

The Vaccine Adverse Event Reporting System (VAERS) Results

Data current as of 11/04/2022

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	0919022-1	Complete loss of vision in the left eye 12 hours after receiving second dose (Moderna mRNA-1273) while having a fever of 102 F for 6 hours. Loss of vision lasted for 1 minute. Loss of vision occurred while standing. Referral to primary care and ophthalmology specialist found normal eye exam and MRI of orbits but presence of tachycardia especially while standing (fluctuations between 60 beats at rest/laying down to 130 beats per minute standing). Postural tachycardia syndrome (POTS) is suspected. Currently pursuing cardiac workup with cardiologist and Covid POTS specialist. POTS specialist believes autoantibody development after vaccination could be suspected as recovering covid patients similarly present to clinic with POTS like symptoms.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	0950966-1	On 1/9/2021 started to have Postural Orthostatic Tachycardia Syndrome and PVCs associated with SOB and chest tightness and not recovered yet.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	0951826-1	Palpitations with heart rate up to 150 on 1/10/21 at 2pm accompanied by dizziness, nausea, headache and shortness of breath. Required IV fluids, EKG, labs, telehealth visit, cardiology referral and placed on Metoprolol for suspected POTS. Currently still having orthostatic tachycardia 7 days after onset of symptoms and pending cardiology referral.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1000168-1	Developed palpitations with orthostatic Increase in heart rate upon standing; Developed palpitations with orthostatic Increase in heart rate upon standing; Concern for postural orthostatic tachycardia/POTs; This is a spontaneous report from a contactable Physician (patient). A 53-year-old female patient (not pregnant) received the first dose of bnt162b2 (PFIZER-BIONTECH COVID-19 VACCINE), Lot number: EL0140, intramuscularly on 21Dec2020 07:30 at single dose in Left arm for COVID-19 immunization in hospital. Medical history was none, no known allergies. Patient didn't have covid prior vaccination. There were no concomitant medications. There were no other vaccines in four weeks and no other medications in two weeks. The patient developed palpitations with orthostatic increase in heart rate upon standing. Concern for postural orthostatic tachycardia/POTs. Adverse events started from 23Dec2020, 07:00 AM and resulted in doctor or other healthcare professional office/clinic visit. No treatment was received for the events. The patient had not recovered from the events. Covid test with nasal swab type post vaccination was performed on 01Jan2021 with negative result.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1008362-1	Heart Palpitations, Lightheadedness still occurring 11days post vaccine, POTS
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1023089-1	NauseaVomiting Aggravation of POTS, dizziness, fever, nausea, muscle aches and pain Narrative:
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1039926-1	Nearly passed out; Postural Orthostatic Tachycardia Syndrome; icy like pulsation through my blood occurred; fell to the ground; This is a spontaneous report from a contactable consumer reported for herself. A 45-year-old female patient (not pregnant) received the first dose of bnt162b2 (Pfizer-Biontech Covid-19 Vaccine), Lot number: EL9261, via an unspecified route of administration on 06Feb2021 12:30 at single dose in Left arm for covid-19 immunisation. Facility type Vaccine was Hospital. Medical history included anaemia, no known allergies. Patient had COVID-19 starting on 06Jan2021 and persisting through 16Jan. Her COVID symptoms were crushing chest pain, no fever, blood oxygen level never dropped below 98%. The patient's concomitant medications were not reported. There were no other vaccine in four weeks. Patient was experiencing Postural Orthostatic Tachycardia Syndrome. Nearly passed out going to the toilet when she first awoke. An icy like pulsation through her blood occurred first thing this AM, day after the vaccine. She fell to the ground and called for her husband to help her. He gave her 500mg acetaminophen and aspirin. She slept. Same thing happened with pulse 140+, he measured, as she showered. They stopped the shower, she laid down and recovered. When she got up immediately the pulse rises to 120+. Adverse events started from 07Feb2021 08:30 AM. Therapeutic measures were taken in response to the events. The outcome of the events was not recovered. Covid was not tested post vaccination.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1065449-1	EDD 04/15/2021 Pregnancy history: hyperemesis gravitorium POTS pSVT Started feeling bad and fatigued around 9pm. Woke up with chills, severe body aches and bone pain, severe left arm pain, headache, nausea at 11pm. Felt worst I had ever felt in my life. Couldn't get out of bed due to severe pain. Temp max 101. Lasted until 1pm next day and then resolved however felt tired for several days after and had episodes of tachycardia and pSVT for 2days after (h/o POTS and pSVT and think dehydration from episode with nausea and fever probably caused that)
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1070596-1	Suffered syncope dec 10 th .. assumed post viral work up was done essentially negative. Was slowly improving except for a little brain fog . covid test was neg then . First vaccine dose was on Jan 4 th .. min arm soreness for 24 hrs and no reacion after that Second dose was on Jan 29 th .. started with tachycardia to 110 that night and developed POTS .. with severe flares the next 2 weeks,,, now im 4 weeks out suffering from hyperadrenergic POTS / severe flares with in appropriate tachycardia(proven by holter) and inc blood pressure with it .
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1085712-1	DIZZY AND LIGHTHEADED POST VACCINE, WHICH PROGRESSED TO NAUSEA AND VOMITING. GIVEN P.O. BENADRYL @ 1444 WHICH WAS IMMEDIATELY THROWN UP. PT WITH STABLE VITAL SIGNS. PATIENT W/HISTORY OF POTS. SENT TO ED FOR FURTHER EVALUATION/TX.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1095905-1	Doctors describe it as a possible immune response. Starting with loss of appetite and weight loss with diarrhea. Heart palpitations and chest pain. Elevated heart rate when standing diagnosed as postural orthostatic tachycardia. Ankle swelling and upper abdominal pain with bloating. Decreased circulation in hands and feet. Symptoms have progressed over a six week period and have not improved.

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POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1102503-1	severe dizziness and palpitations with any change in posture- Postural Orthostatic Tachycardia Syndrome. was severe for 4 weeks but is still intermittently present 6 weeks later. I had to move a recliner to my clinic office to be able to get through my work day. could not stand for more than 5minutes without feeling that I would fall down. nausea x 2 weeks severe fatigue limiting activity x 4 weeks chest pain x 4 weeks (intermittent associated with tachycardia, no association with activity or food, pleuritic in nature, lasted 5-30 minutes at a time, no chest pressure, no sweating with it) I am better but not fully recovered.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1106764-1	23 yo F with h/o POTS who was feeling fine until about 25 minutes after the vaccine at which time she developed shortness of breath, chest tightness, flushing sensation, lightheadedness with sense of impending doom and abdominal cramping. Reported she felt similar to when her POTS flares up, but that only occurs with standing which she hadn't done. HR 126 and BP 174/93 and repeat was 132 and 152/113. Oropharynx appeared normal but she appeared pale and very weak, and slumped over in the seat of the car. 911 called and EpiPen and IM Benadryl given with some improvement of symptoms. BP continued to be hypertensive and HR tachycardic. O2 sats remained stable at 99%. With her overall symptoms, concern for anaphylaxis, although her symptoms were likely multifactorial - POTS, anxiety.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1111723-1	About 12 hours exactly after getting the 2nd dose I got extreme POTS flare up and a mild ocular migraine. I had a fever that kept going from the mid 99s to the 101s for 36 hrs. Was freezing and burning and had lots of joint and body pain. Most people I know had all of that, but the reason I'm reporting is the tachycardia. My tachy has been fairly well controlled with meds and after my second dose it was so bad any time I sat up, I couldn't breath, my tachy got so bad, my heart rate would jump from up to 70bpm, just sitting up. My resting heart rate on meds has been 60-80, and for those 36 hours was 80-110. Anytime I did anything my heart rate would jump to 130-150 and I could NOT BREATHE. My SpO2 was fine, so I know that the issue was my POTS flaring up and that it was the tachy. I just want to report that it could cause issues with people with dysautonomia, so they don't freak out if it happens. My heart rate is still elevated, but is slowly going back down.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1111946-1	Tightening and swelling in throat and face, difficulty swallowing, heat and pressure in neck and head, dizziness and weakness, chills and sweating, all within 10 minutes of vaccination, Increase in heartrate and blood pressure and itching. Later, a sunburn like rash on chest, neck and face that lasted for 2 days. Itching lasted for days. After 30 mins, patient received 50 mg of Benadryl. In ED patient received Epinephrine and a steroid and vitals were monitored and was observed for hours. Dizziness slowly subsided and lasted for a few days.. Patient is being treated with Prednisone for a few days. This triggered patients POTS, including tachycardia, fatigue, weakness. Moderna COVID 19 Vaccine EUA.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1121149-1	24 hours after receiving the second vaccine, I developed fevers, headaches, chills, exhaustion and tachycardia. All symptoms improved within 4 days. However, the tachycardia has persisted. I am experiencing postural tachycardia. When sitting my HR is 80s to 90s, upon standing my heart rate increases to 120s-130s. Currently I am under the care of a cardiologist. She is unsure if the tachycardia is due to the vaccine or if it triggered something that was underlying. Plan to increase my fluids, wear compression stockings, and follow up in 3 months.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1121855-1	diagnosed with neurocardiogenic syncope; P.O.T.S/-POTS; tired the next day; experienced a headache for a couple hours; This is a spontaneous report from a contactable nurse. The nurse reported similar events for 2 patients. This is 1st of 2 reports. A 58-year-old male patient received first dose of bnt162b2 (PFIZER-BIONTECH COVID-19 VACCINE; lot number and expiration date unspecified), via an unspecified route of administration on 02Mar2021 as single dose for COVID-19 immunisation. Medical history included open heart, prostate cancer, lyme disease, neobladder, and sepsis, all from Aug2020; and blood pressure (abnormal). Concomitant medication included fludrocortisone for blood pressure (abnormal). Reporter stated that her husband seemed tired the next day, although husband says he wasn't. Today, 05Mar2021, patient experienced a headache for a couple hours, and was tired today. On an unspecified date, the patient was diagnosed with neurocardiogenic syncope and Postural orthostatic tachycardia syndrome (POTS) and given medication Florinef 0.1mg. Patient had been taking for about a week. Reporter was asking if it would cause issues with the vaccine since it was a corticosteroid and if it would cause issues if he was going to get a flu shot. Reporter was also asking what the efficacy after the first dose was. Outcome of events was unknown. Information about the Lot/batch number has been requested.; Sender's Comments: A causal association between BNT162B2 and the reported events cannot be excluded based on a compatible temporal relation. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to RAs, Ethics Committees, and Investigators, as appropriate. ,Linked Report(s) : US-PFIZER INC-2021261960 same drug/reporter/event, different patient
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1124201-1	"Call received from patient who was advised to call to report a reaction to the COVID-19 vaccine. Patients history includes contracting COVID back in June of 2020 for which she spent 2 days in the hospital. In November of 2020, she reports she ended up in the hospital for another 2 days and was diagnosed with post-COVID POTS. She then went to medical facility and underwent 6 treatments of hyperbaric oxygen in February of 2021. Patient states that after these treatments, she felt great. She has reportedly been out of work since November, I believe, and was given the OK to return on 3/10/21. She was also advised by her neurologist that she should take the COVID vaccine which she did on 3/15/21. Two days later, on 3/17/21, she states that her POTS was ""triggered"" and she began to experience dizziness, fainting, fatigue, headaches, nausea and vomiting and various GI issues. Currently, she states these symptoms are getting worse, instead of better, and she has been unable to work, missing last Thursday and Friday, and will be going home early today. She asks if she should get her second COVID vaccine. I advised that is something she needs to discuss with her primary care provider."

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POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1164475-1	Patient is a * year old * who received a single dose of J&J COVID 19 vaccine in the right deltoid. Immediately following administration of the vaccine, patient began experiencing the sensation of heart racing, difficulty breathing, and feelings of anxiety. Patient relates this has happened with vaccines received in the past, as she has postural orthostatic tachycardic syndrome (POTS). She feels as if this is an aggravation of her POTS. Patient states she has allergies/sensitivities to ciprofloxacin, bactrim, and sulfa drugs, but she has never needed to use epinephrine. She denies chest pain/tightness, wheezing, swelling of the face/lips/mouth/tongue/throat, skin rash/itching, cramping abdominal pain, nausea, and vomiting. She does not take any medications on a daily basis. POTS aggravation. Patient was not displaying active signs and symptoms of anaphylaxis. Patient's heart rate and breathing continued to slow down once patient was brought to a quiet place and started to enact breathing techniques. Vital signs continued to improve as patient sat. Patient encouraged to consult her PCP and inform them of their post-vaccination reaction. She was instructed to go to the emergency department if she should develop chest pain, difficulty breathing, swelling of the face/lips/airway, cramping abdominal pain with nausea and vomiting. Patient discharged to home
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1178084-1	patient had a syncopal episode in the observation area post vaccination. she has POTS syndrome and states that she losses consciousness about twice per week. She had no extremity weakness, no bowel or bladder incontinence.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1188375-1	Tachycardia (resting heart rate of 120); palpitations; PVCs; exacerbation of POTS; severe, intolerable body aches; full-body trembling; severe fatigue; low-grade fever (99.9 F); mild headache; loss of appetite; symptoms lasted about 20 hours, with fatigue and exacerbation of POTS lasting one additional day
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1190976-1	Complete flare of Postural orthostatic tachycardia syndrome; Complete flare of Postural orthostatic tachycardia syndrome; Can't stand up, walk, talk without struggling to breath; Can't stand up, walk, talk without struggling to breath; This is a spontaneous report from a contactable nurse (patient herself). A 44-year-old non-pregnant female patient received first dose of bnt162b2 (PFIZER-BIONTECH COVID-19 mRNA VACCINE, Formulation: Solution for injection, Lot number: ER8733, Expiration date: Unknown), via an unspecified route of administration in left arm on 25Mar2021 at 14:00 (at the age of 44-year-old) as a single dose for COVID-19 immunisation. The patient's medical history included just POTS (postural orthostatic tachycardia syndrome) from 2 1/2 years prior. Concomitant medication included nadolol received in two weeks. The patient previously took cefepime and experienced known allergies: Cefepime. The patient did not receive other vaccines in four weeks. The patient was not diagnosed with COVID priori vaccination. The patient did not undergo COVID test post vaccination. The patient experienced complete flare of postural orthostatic tachycardia syndrome (last flare was 2 1/2 years prior), can't stand up, walk, talk without struggling to breath on 25Mar2021 at 16:30. The events were considered as serious (disability or permanent damage) by nurse. No treatment medications were received for the adverse events. The outcome of the events was not recovered.; Sender's Comments: Based on the current available information and the reportedly close drug-event temporal association, a possible contributory role of the suspect product BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE) to the development of the events cannot be excluded. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to Regulatory Authorities, Ethics Committees and Investigators, as appropriate.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1207805-1	Pt. was very sick the day after the shot, then Friday morning his heart was going into atrial fibrillation and jumping between 110 heart rate and 160+. He was out golfing when he noticed this. He rested later that day but was extremely tired and felt sick. Saturday morning (2.5 days after vaccine) he needed to go to the emergency room because his heart rate was back over 160. The EKG showed sinus tachycardia and gave him a message for it but it made it worse and the rate was over 200. They had to stop and start his heart then put on beta blocker which brought it to 180, then another beta blocker brought to 150. Following EKGs showed atrial fibrillation, postural orthostatic tachycardia syndrome, and super ventricular tachycardia. Pt. had this about a year ago but was fine after a few days. This was the first time he was hospitalized for it and is now on daily medications. He fears the Moderna vaccine triggered it and is very worried about the second dose.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1210429-1	POTS-like symptoms with new onset of resting tachycardia to 140s with new dyspnea at rest that would get significantly worse with minimal exertion. Some associated lightheadedness initially. Resting HR declined by about 10 bpm each week, but as of today still with resting tachycardia most of the time between 100-105. April 2021 still with HR spike to 140s during a warm bath.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1218620-1	Within one hour of the shot administration I became tachycardia, hypertensive, and with chills. Over the next 48 hours my symptoms worsened to include headaches, dizziness, fatigue, and near syncope requiring an emergent visit to the ER. My symptoms persisted and two weeks later I required another visit to the ER and was admitted to the hospital overnight due to tachycardia, hypertension, diarrhea, chest pressure, headaches, fatigue, weakness, chills, and near syncope. Since the onset of events post the Pfizer vaccine, I have required multiple visits with MDs/specialist for management of symptoms and course of treatment. My local physician suspected postural orthostatic tachycardia syndrome (POTS) of which I sought medical opinion and met with a world expert and after meeting with him, he concluded my symptoms were in fact in line with POTS. Since then I have continued to experience flare-ups and episodes of tachycardia, most recently 4/14/2021. It has now been over 3 months since the onset of symptoms post vaccine and I continue to require treatment and management of above symptoms. I have not returned back to previous level of function nor have I been able to return to work. I do not have any prior medical history of this condition or set of symptoms.

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POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1224493-1	increased intracranial pressure; Pseudotumor Cerebri; Transverse sinus stenosis; left sided pulsatile tinnitus; severe headache; Postural Orthostatic Tachycardia Syndrome; dizzy and light headed; Then I developed a red circle around the injection site a week after the injection; This is a spontaneous report received from contactable consumer (patient). A 39-years-old female patient received bnt162b2 (PFIZER-BIONTECH COVID-19 VACCINE), dose 1 via an unspecified route of administration, administered in arm right on 18Mar2021 12:45 (Batch/Lot number was not reported) as single dose for covid-19 immunisation. The patient medical history was not reported. No known drug allergies. The patient received other concomitant medications within 2 weeks of vaccination (unspecified). The patient did not receive any other vaccines within 4 weeks prior to the COVID vaccine. Adverse event started on 18Mar2021 13:15. The patient became dizzy and light headed within 30 minutes of receiving the first dose. The patient believed this was related to her postural orthostatic tachycardia syndrome (POTS). The symptoms lasted for approximately 12 hours. She also developed symptoms of increased intracranial pressure the morning after she received the first dose. The patient believed this was related to her pseudotumor cerebri (PTC) and transverse sinus stenosis (TSS). The symptoms included left sided pulsatile tinnitus and a severe headache. These symptoms lasted for approximately one week. Then she developed a red circle around the injection site a week after the injection. The patient contacted her neurologist as a result of all of symptoms. No treatment was received for the adverse events. Prior to vaccination, the patient was not diagnosed with COVID-19. Since the vaccination, the patient has not been tested for COVID-19. Outcome of the events was recovering. Information about lot/batch number has been requested.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1227262-1	Postural orthostatic tachycardia syndrome; Pain in arm; Joint pain; This is a solicited report from a contactable consumer (patient), via a non-Pfizer marketing program. A 23-year-old female patient received first dose of BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE) intramuscularly on an unspecified date as single dose for COVID-19 immunization and adalimumab (HUMIRA), subcutaneously from an unspecified date at unspecified dose for moderate to severe adult crohn's disease. Medical history included hemorrhage of colon from 2018 and moderate to severe adult crohn's disease. The patient's concomitant medications were not reported. On an unspecified date, patient experienced postural orthostatic tachycardia syndrome, pain in arm and joint pain. The events were reported as serious, medically significant. The action taken in response to the events for adalimumab was unknown. Outcome of event pain in arm was unknown while for all other events was recovered on an unspecified date. Causality assessment for the drug Humira and the events Postural orthostatic tachycardia syndrome and Joint pain was reported as No reasonable possibility by the reporter and manufacturer while for the event Pain in arm was not reported by the reporter and No reasonable possibility by the manufacturer. Causality assessment for the drug BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE) and the events postural orthostatic tachycardia syndrome, pain in arm and joint pain was not reported by the reporter. The reporter's assessment of the causal relationship of the events with the suspect product was not provided at the time of this report. Since no determination has been received, the case is managed based on the company causality assessment. No follow up attempts are possible; information about lot/batch number cannot be obtained. No further information is expected.; Sender's Comments: A contributory role of the vaccine BNT162B2 to reported events cannot be fully excluded based on the presumed temporal relationship and since it is part of the product safety profile. Underlying hemorrhage of colon and moderate to severe adult Crohn's disease may be contributory to the event orthostatic tachycardia syndrome. Case will be reassessed if additional information is received The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to regulatory authorities, Ethics Committees, and Investigators, as appropriate.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1232047-1	Significant postural orthostatic tachycardia 150+ bpm (upon standing for more than 10 minutes) lasting over 10 days as well as occasionally while supine followed by shortness of air while tachycardic only; horrible and persistent headache unlike anything typical, distinct muscle aches and joint pain, nausea, dizziness/lightheadedness the worse of these lasting approximately 8 days and intermittent thereafter.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1238146-1	Dizziness/ lightheaded within minutes of vaccine followed by uncontrollable shaking for 2-3 hours Approximately 14 hours after I woke up uncontrollably shaking for an hour with low temp 96.3, and low BP 86/55 and headache and nausea. For the continual week following, I have experience elevated POTS symptoms along with new symptoms which include tingling and cold burning sensation in forearms and hands and legs and feet along with aching pains. I've been experiencing muscle spasms and cramping in the hand of the arm my vaccine was administered, and having a hard time gripping with this hand. And overall fatigue has been continual.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1238589-1	Patient has history of POTS disease and felt she was experiencing an episode post the administration of Moderna vaccine which was administered at 11:30 hours. 110/77 Pulse 85 - Patient immediately chose to be evaluated at the hospital - Exam by Dr- EMS called and transported per patient request.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1240055-1	Increased heart rate with walking, increased respiratory rate with walking in the morning. This progressed to throughout the day over the next week. Hospitalized for these symptoms, sweating, and dizziness on 03/25/21-03/27/21. High lactate levels were also present. Multiple tests for cardiac workup have been negative except for high heart rate and respiratory rate with sitting, standing, and walking but these will return to normal within a few minutes. Oxygen saturation has also been dropping as low as 74% for a few minutes after lying back down. Diagnosis of POTS was made but continued work up in progress for oxygen saturation dropping.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1250889-1	Within 2 minutes of injection, it trigged mild POTS issues - dizzy, faint, blurred vision, increased heart rate. This in turn triggered a panic attack. About 2 hours later injection site started to ache. This morning my arm feels like someone knuckled punched me, I am still unsteady on my feet - dizzy, woozy, faint. Joint pain is worse from head to toe, but this can be from the weather - it is hard to decipher.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1255969-1	Now in with syncopal episodes. Has had a loop recorder in place Jan 2021. dx with POTS

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<p>POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME</p>	<p>COVID19 VACCINE (COVID19)</p>	<p>1261238-1</p>	<p>DIFFICULTY BREATHING; MENTAL CHANGES; RAPID HEART BEAT; FULL BODY PAIN; FEELING OF LEAD IN VEINS TOE NAILS TO HEAD; ANXIETY; BRAIN ZAPS; FEELING OF HEAT IN BRAIN; SEVERE PAIN; LEG PAIN; LEG FALLING ASLEEP; FEELING OF CHANGES IN NERVOUS SYSTEM; FEELING SPACEY; PALPITATIONS; DIFFICULTY SLEEPING; BURNING IN CHEST; LIGHTHEADED; FEELING LIKE GOING TO PASS OUT; PANIC ATTACK; EXTREME BONE PAIN; SUFFOCATING; SUFFERING AND TORTURE; FOOT FALLING ASLEEP; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME; This spontaneous report received from a patient concerned a 37 year old male. The patient's height, and weight were not reported. The patient's concurrent conditions included non smoker, non alcoholic user, and postural orthostatic tachycardia syndrome, and other pre-existing medical conditions included the patient had illicit drug use as a teenage. the patient was homeless from age of 14 to 22. the patient was sober as of 26-mar-2006, past 15 years was sober. The patient experienced drug allergy when treated with ciprofloxacin. The patient received covid-19 vaccine ad26.cov2.s (suspension for injection, route of admin not reported, batch number: 1805029, and batch number: 1805029 expiry: 25-MAY-2021) dose was not reported, administered on 11-MAR-2021 for prophylactic vaccination. No concomitant medications were reported. On 2021, Laboratory data included: CT scan (NR: not provided) not reported, Contrast media reaction (NR: not provided) not reported, Diagnostic ultrasound (NR: not provided) not reported, Echocardiogram (NR: not provided) not reported, Fibrin D dimer abnormal (NR: not provided) not reported, and Heart rate (NR: not provided) Increased. On MAR-2021, the subject experienced difficulty breathing. On MAR-2021, the subject experienced mental changes. On MAR-2021, the subject experienced rapid heart beat. On MAR-2021, the subject experienced full body pain. On MAR-2021, the subject experienced feeling of lead in veins toe nails to head. On MAR-2021, the subject experienced anxiety. On MAR-2021, the subject experienced brain zaps. On MAR-2021, the subject experienced feeling of heat in brain. On MAR-2021, the subject experienced severe pain. On MAR-2021, the subject experienced leg pain. On MAR-2021, the subject experienced leg falling asleep. On MAR-2021, the subject experienced feeling of changes in nervous system. On MAR-2021, the subject experienced feeling spacey. On MAR-2021, the subject experienced palpitations. On MAR-2021, the subject experienced difficulty sleeping. On MAR-2021, the subject experienced burning in chest. On MAR-2021, the subject experienced lightheaded. On MAR-2021, the subject experienced feeling like going to pass out. On MAR-2021, the subject experienced panic attack. On MAR-2021, the subject experienced extreme bone pain. On MAR-2021, the subject experienced suffocating. On MAR-2021, the subject experienced suffering and torture. On MAR-2021, the subject experienced foot falling asleep. On MAR-2021, the subject experienced postural orthostatic tachycardia syndrome. On APR-2021, Laboratory data included: Stress test (NR: not provided) not reported. The action taken with covid-19 vaccine ad26.cov2.s was not applicable. The patient had not recovered from rapid heart beat, difficulty breathing, full body pain, feeling of lead in veins toe nails to head, anxiety, brain zaps, feeling of heat in brain, severe pain, leg pain, leg falling asleep, feeling of changes in nervous system, feeling spacey, palpitations, difficulty sleeping, burning in chest, mental changes, extreme bone pain, suffocating, and suffering and torture, and the outcome of lightheaded, feeling like going to pass out, panic attack, foot falling asleep and postural orthostatic tachycardia syndrome was not reported. This report was non-serious.; Sender's Comments: V0: Medical assessment comment not required as per standard procedure since case was assessed as non serious.</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
<p>POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME</p>	<p>COVID19 VACCINE (COVID19)</p>	<p>1276687-1</p>	<p>Felt upper neck getting squeezing; Heart palpitation; Shortness of breath/Unable to breath/Shortness of breath while walking in normal pace or going upstairs; Side effects; Anxiousness getting worse/weakness of hands getting worse; Heaviness; Syncope; Feeling of cold/warm; Heart burn/Burning sensation upto throat; Dizziness; Position changed to standing from sitting; Passed out; No appetite; Heartburn; POTS(Postural orthostatic tachycardia syndrome); Autonomic nerve disorder; Fatigue; Unable to perform work; Feel tingling with both hands; Nervousness; Anxiousness; Weakness of upper arm/Leg weakness; Squeezing sensation of upper chest; Soreness of arm; Headache interferes with sleep/Inability to fall asleep; Pressure headache at nose and forehead/Severe headache; This spontaneous case was reported by a consumer and describes the occurrence of MUSCULOSKELETAL DISCOMFORT (Felt upper neck getting squeezing), DYSPNOEA (Shortness of breath/Unable to breath/Shortness of breath while walking in normal pace or going upstairs), PALPITATIONS (Heart palpitation), LOSS OF CONSCIOUSNESS (Passed out) and SYNCOPE (Syncope) in a 53-year-old female patient who received mRNA-1273 (Moderna COVID-19 Vaccine) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. Concurrent medical conditions included Penicillin allergy. Concomitant products included CALCIUM CARBONATE (CALTRATE [CALCIUM CARBONATE]) from 10-Jan-2020 to an unknown date for Calcium supplementation. On 12-Jan-2021 at 11:00 AM, the patient received first dose of mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) 1 dosage form. On 12-Jan-2021, the patient experienced PAIN IN EXTREMITY (Soreness of arm), INSOMNIA (Headache interferes with sleep/Inability to fall asleep) and HEADACHE (Pressure headache at nose and forehead/Severe headache). On 19-Jan-2021, the patient experienced DYSPNOEA (Shortness of breath/Unable to breath/Shortness of breath while walking in normal pace or going upstairs) (seriousness criterion hospitalization) and CHEST DISCOMFORT (Squeezing sensation of upper chest). On 21-Jan-2021, the patient experienced MUSCULAR WEAKNESS (Weakness of upper arm/Leg weakness) and ANXIETY (Anxiousness). On 22-Jan-2021, the patient experienced PARAESTHESIA (Feel tingling with both hands) and NERVOUSNESS (Nervousness). On 27-Jan-2021, the patient experienced IMPAIRED WORK ABILITY (Unable to perform work). On 10-Feb-2021, the patient experienced PALPITATIONS (Heart palpitation) (seriousness criterion hospitalization). On 13-Feb-2021, the patient experienced LOSS OF CONSCIOUSNESS (Passed out) (seriousness criterion medically significant), DIZZINESS (Dizziness) and SITTING DISABILITY (Position changed to standing from sitting). On 14-Feb-2021, the patient experienced MUSCULOSKELETAL DISCOMFORT (Felt upper neck getting squeezing) (seriousness criterion hospitalization), FEELING OF BODY TEMPERATURE CHANGE (Feeling of cold/warm) and BURNING SENSATION (Heart burn/Burning sensation upto throat). In February 2021, the patient experienced DECREASED APPETITE (No appetite). February 2021, the patient experienced DYSPEPSIA (Heartburn), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS(Postural orthostatic tachycardia syndrome)) and FATIGUE (Fatigue). February 2021, the patient experienced AUTONOMIC NERVOUS SYSTEM IMBALANCE (Autonomic nerve disorder). On 24-Feb-2021, the patient experienced SYNCOPE (Syncope) (seriousness criterion medically significant). On 26-Mar-2021, the patient experienced CHEST DISCOMFORT (Heaviness). On an unknown date, the patient experienced VACCINATION COMPLICATION (Side effects) and CONDITION AGGRAVATED (Anxiousness getting worse/weakness of hands getting worse). The patient was hospitalized from 14-Feb-2021 to 17-Feb-2021 due to DYSPNOEA, MUSCULOSKELETAL DISCOMFORT and PALPITATIONS. On 14-Jan-2021, PAIN IN EXTREMITY (Soreness of arm) had resolved. On 19-Jan-2021, DYSPNOEA (Shortness of breath/Unable to breath/Shortness of breath while walking in normal pace or going upstairs) had resolved. At the time of the report, MUSCULOSKELETAL DISCOMFORT (Felt upper neck getting squeezing), LOSS OF CONSCIOUSNESS (Passed out), SYNCOPE (Syncope), INSOMNIA (Headache interferes with sleep/Inability to fall asleep), CHEST DISCOMFORT (Squeezing sensation of upper chest), DIZZINESS (Dizziness), FEELING OF BODY TEMPERATURE CHANGE (Feeling of cold/warm), DECREASED APPETITE (No appetite), DYSPEPSIA (Heartburn), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS(Postural orthostatic tachycardia syndrome)), AUTONOMIC NERVOUS SYSTEM IMBALANCE (Autonomic nerve disorder), VACCINATION COMPLICATION (Side effects), SITTING DISABILITY (Position changed to standing from sitting), BURNING SENSATION (Heart burn/Burning sensation upto throat), CHEST DISCOMFORT (Heaviness), NERVOUSNESS (Nervousness), CONDITION AGGRAVATED (Anxiousness getting worse/weakness of hands getting worse) and FATIGUE (Fatigue) outcome was unknown and PALPITATIONS (Heart palpitation), MUSCULAR WEAKNESS (Weakness of upper arm/Leg weakness), PARAESTHESIA (Feel tingling with both hands), ANXIETY (Anxiousness), IMPAIRED WORK ABILITY (Unable to perform work) and HEADACHE (Pressure headache at nose and forehead/Severe headache) had not resolved. DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): On 23-Jan-2021, Blood test: negative (Negative) Negative. On 23-Jan-2021, Computerised tomogram: negative (Negative) Negative. On 27-Jan-2021, Blood test: normal (normal) normal. On 13-Feb-2021, Electrocardiogram: normal (normal) normal. On 13-Feb-2021, Heart rate: 108 (High) Went up from 70s to 108.. On 13-Feb-2021, X-ray: normal (normal) normal. On 14-Feb-2021, Magnetic resonance imaging: postural orthostatic tachycardia syndrome. (normal) Diagnosis: Postural orthostatic tachycardia syndrome.. On 14-Feb-2021, Ultrasound scan: postural orthostatic tachycardia syndrome. (normal) Diagnosis: Postural orthostatic tachycardia syndrome.. On 24-Feb-2021, Electromyogram: autonomic nerve disorder and syncope. (Inconclusive) Autonomic nerve disorder and syncope.. On 24-Feb-2021, Quantitative sudomotor axon reflex test: autonomic nerve disorder and syncope (Inconclusive) Autonomic nerve disorder and syncope.. On 24-Feb-2021, Reflex test: autonomic nerve disorder and syncope. (Inconclusive) Autonomic nerve disorder and syncope.. On 28-Mar-2021, Laboratory test: ruled out heart attack (Inconclusive) Ruled out heart attack. On 28-Mar-2021, X-ray: ruled out heart attack. (normal) Ruled out heart attack.. The action taken with mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) was unknown. Additional laboratory investigations included neurology study. Treatment for the event included acetaminophen, naproxen, lorazepam, metoprolol and fludrocortisone. The patient consulted rheumatologist and no significant abnormal findings. Based on the current available information and temporal association between the use of the product and the start date of the events, a causal relationship cannot be excluded. Most recent FOLLOW-UP information incorporated above includes: On 22-Apr-2021: Added reporter details, medical history, laboratory investigations, concomitant medication, new adverse events, seriousness of the events, outcome of events and treatment medication.; Sender's Comments: Based on the current available information and temporal association between the use of the product and the start date of the events, a causal relationship cannot be excluded.</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1280037-1	Approximately one hour following injection, had a headache and dizziness. The following day, extreme fatigue, headache dizziness. In the 10 days following, tinnitus, joint pain, chest heaviness, palpitations, daily headache, brain fog, dizziness. Felt a little better after a day or so, but after receiving a Botox injection on April 1st, symptoms came back. More notable was heart palpitations, dizziness, shortness of breath. Inability to stand for long duration. Exhausted after minimal amount of physical activity.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1280228-1	Event #1: severe headache right after vaccination. Pressure headache around forehead and nose. ED visit 1/23 for headache. Cat scan head and neck, negative. headache is still ongoing. Event #2: SOB, heart palpation (started 2/10). ED visit twice (2/13,2/14), admitted to hospital. s/s: severe headache, dizziness, weakness of legs and hands, tingling of hands, anxiousness, feeling of warm/cold, hear pa;patation, inability to fall sleep, fatigue, heartburn, No appetite. Diagnosis: POTS. Symptoms are still on going. Event #3: hand tingling, leg and hand weakness, anxiousness started 1/22/21. Still on going.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1288421-1	Watering eyes/recurrent eyes watery; Runny nose/recurrent runny nose; Drop in blood pressure; Seasonal allergy; Postural orthostatic tachycardia syndrome; tachycardia syndrome; Psoriasis flare-up/flare off of psoriasis/Psoriasis flare-up/Psoriasis flare-up -Worsened; Scalp swelling/ scalp swelling - Worsened/swollen scalp; Knee swelling; Psoriatic arthritis aggravated/-Worsened/flare off of psoriatic arthritis; Itchy scalp/Itchy scalp -Worsened/Localised itching -Worsened/itch on back, arms, knees; Local swelling / Local swelling -Worsened/swollen back; Scalp pain/Scalp pain Worsened/painful scalp; Pain back/Pain back - worsened/painful back; Painful arm/Painful arm - worsened; Painful knee/Painful knee Worsened; Swollen arm /Swollen arm -worsened; This is a non-interventional study report based on the information received by Pfizer (Mfr Control No. 21K-163-3740568-00) received from a contactable consumer (patient). A 37 yearsold male patient received bnt162b2 (BNT162B2), dose 1 intramuscular on 25Mar2021 (at the age of 37 years old) (Batch/Lot number was not reported) as SINGLE DOSE for covid-19 immunisation; adalimumab (HUMIRA), subcutaneous from 2017 (Batch/Lot number was not reported) to 25Mar2021, at unknown dose weekly[1 in 2 wk] for Moderate to Severe Chronic Plaque Psoriasis . Medical history included non tobacco, abstains from alcohol, Klippel feil syndrome, spinal fusion surgery, seasonal allergy, postural orthostatic tachycardia syndrome from 2017 to an unknown date , blood pressure decreased from 2017 to an unknown date. The patient concomitant medications were not reported. It was unknown if patient was enrolled in a COVID-19 Vaccine Trial. The patient experienced psoriatic arthritis aggravated/-worsened/ flare off of psoriatic arthritis (medically significant) on 25Mar2021, postural orthostatic tachycardia syndrome on an unspecified date, tachycardia syndrome on an unspecified date. psoriasis flare up/ Psoriasis flare up -Worsened on 25Mar2021, scalp swelling/ scalp swelling - worsened/ painful scalp on 25Mar2021, knee swelling on 25Mar2021, watering eyes/recurrent eyes watery on an unspecified date, runny nose/recurrent runny nose on an unspecified date, drop in blood pressure on an unspecified date, seasonal allergy on an unspecified date, itchy scalp/itchy scalp -worsened/localised itching -worsened/ itch on back, arms, knees on 25Mar2021, local swelling / local swelling -worsened/ swollen back on 25Mar2021, scalp pain/scalp pain worsened/painful scalp on 25Mar2021, pain back/pain back - worsened/ painful back 25Mar2021, painful arm/painful arm - worsened on 25Mar2021,painful knee/painful knee worsened on 25Mar2021, swollen arm /swollen arm -worsened on 25Mar2021, psoriasis flare-up/psoriasis flare-up -worsened on 25Mar2021. The patient underwent lab tests and procedures which included blood pressure measurement: drop on 2017 blood test: normal o an unspecified date, magnetic resonance imaging: normal on 2018, x-ray: normal on 2008. The action taken in response to the event for adalimumab was permanently withdrawn on 25Mar2021(also reported as dose not changed). The clinical outcome of the event Psoriatic arthritis aggravated, Psoriasis flare-up, Scalp swelling, Knee swelling, Itchy scalp, Local swelling , Scalp pain, Painful arm, Knee pain, Swollen arm, Psoriasis flare-up was not recovered, while Postural orthostatic tachycardia syndrome, tachycardia syndrome, Watering eyes, Runny nose, Drop in blood pressure recovered, and the remaining events was unknown. Causality for Humira (Adalimumab) the reporter's causality for the event(s) of postural orthostatic tachycardia syndrome, swollen scalp, swollen knee, recurrent eyes watery, recurrent runny nose, blood pressure drop, seasonal allergies, itch on scalp, itch on back, arms, knees, swollen back, flare off of psoriasis, flare off of psoriatic arthritis, painful scalp, painful back, painful arms, painful knees, swollen arm and recurrent congestion with humira (adalimumab) was no reasonable possibility. The reporter assessment of the causal relationship of the (enter the event term) with the suspect product was not provided at the time of this report. Since no determination has been received, the case is managed based on the company causality assessment. Information on the lot/batch number has been requested.; Sender's Comments: Based on the available information, the reported events are attributed to underlying or intercurrent medical conditions which were unlikely related to BNT162B2 vaccine.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1291312-1	Throwing up; nausea; chest pain & tightness to the point I could not move my arm to use my emergency inhaler prescribed after COVID/ I couldn't move; tremor increased; post COVID syndrome & orthostatic hypertension.; post COVID syndrome & orthostatic hypertension.; Lymph node pain; Tilt Table Testing confirmed Covid-induced POTS; mild injection site pain; COVID symptoms in same order as the Oct2020 COVID (upper respiratory, less intense headache, shortness of breath, chest pain); COVID symptoms in same order as the Oct2020 COVID (upper respiratory, less intense headache, shortness of breath, chest pain); COVID symptoms in same order as the Oct2020 COVID (upper respiratory, less intense headache, shortness of breath, chest pain); COVID symptoms in same order as the Oct2020 COVID (upper respiratory, less intense headache, shortness of breath, chest pain).; chest pain & tightness to the point I could not move my arm to use my emergency inhaler prescribed after COVID; dizzy; Fatigue; vasovagal response; Passed out; This is a spontaneous report from a contactable other health professional (patient). A 46-year-old female patient received first dose of BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE), via an unspecified route of administration, administered in arm left on 05Feb2021 at 10:30 (Lot Number: EL9261) (at the age of 46-year-old) as single dose for COVID-19 immunisation. The patient was not pregnant. Medical history included infectious mononucleosis (Recent mono) in 2020 (Spring), urinary tract infection (UTI) in 2020 (Summer), venous Insufficiency on Dec2020, shingles in past on an unspecified date, lactose & gluten intolerance from an unknown date and unknown if ongoing, COVID-19 from Jun2020 to an unknown date (I had recovered from mild COVID in Jun and Oct2020 that required no hospitalization and was managed with DAYQUIL, XYZAL, Prednisone, Vit D and melatonin). Concomitant medications included ibuprofen at 2400 mg and 800 mg; pregabalin (LYRICA); progesterone; bifidobacterium bifidum/bifidobacterium lactis/bifidobacterium longum/lactobacillus acidophilus/lactobacillus rhamnosus (PROBIOTIC), all concomitants were taken for an unspecified indication, start and stop date were not reported. The patient experienced mild injection site pain, COVID symptoms in same order as the Oct2020 COVID (upper respiratory, less intense headache, shortness of breath, chest pain), dizzy, fatigue, vasovagal response, passed out, nausea, throwing up, tremor increased, chest pain & tightness to the point I could not move my arm to use my emergency inhaler prescribed after COVID/ I couldn't move, post COVID syndrome and orthostatic hypertension, tilt table testing confirmed COVID-induced POTS (postural orthostatic tachycardia syndrome) and lymph node pain, all on 05Feb2021 at 11:00. All events were serious disabling and required hospitalization. The patient underwent lab tests and procedures which included computerized tomogram (CT): unknown results on an unspecified date, D-dimer: 1300 is very elevated, it shows that I have a lot of inflammation in my body or I could have the clot, 1300, almost 3 times the normal value; magnetic resonance imaging head (MRI): unknown results on an unspecified date, SARS-COV-2 test (nasal swab): negative on 19Feb2021, tilt table test: COVID-induced pots on 05Feb2021 . Unspecified therapeutic measures were taken as a result of the events. The patient outcome of the event passed out was unknown and not recovered for all the other events.; Sender's Comments: Based on the current available information and the plausible drug-event temporal association, a possible contributory role of the suspect product BNT162B2 to the development of reported events cannot be excluded. The case will be reassessed if additional information becomes available. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to Regulatory Authorities, Ethics Committees and Investigators, as appropriate.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1293106-1	Since I have dysautonomia there was a chance that I was going to have a flareup of my postural orthostatic tachycardia syndrome. However, I have lost out almost a week of work due to the effects of the vaccination triggering my postural orthostatic tachycardia syndrome along with my Ehlers-Danlos syndrome which is a connective tissue disorder. This does not mean that a person should not be vaccinated that has my conditions; but it does mean that there needs to be more research done on people like me and others so we can make an educated guess about what to do
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1314158-1	Developed postural osteostatic tachycardia within a couple days. Still experiencing.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1320248-1	fainting; POTS; Dysautonomia; This is a spontaneous report from a contactable consumer (patient). A 40-year-old female patient (non-pregnant at time of vaccination) received the second dose of BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE), via an unspecified route of administration administered in the left arm on 20Mar2021 (Lot number: EP7534) as single dose for COVID-19 immunisation. Medical history included hypertension and depression, allergies to penicillin. Concomitant medications included fluoxetine hydrochloride (PROZAC), bupropion hydrochloride (WELLBUTRIN), labetalol. The patient previously took the first dose of BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE), via an unspecified route of administration administered in the left arm on 02Mar2021 (Lot number: EN6205) as single dose for COVID-19 immunisation. The patient did not receive any other vaccines within 4 weeks prior to the COVID vaccine. Prior to vaccination, the patient did not diagnose with COVID-19. Since the vaccination, the patient had not been tested for COVID-19. Occurred on 29Mar2021, patient experienced dysautonomia: fainting and POTS. The adverse events resulted in Doctor or other healthcare professional office/clinic visit and Emergency room/department or urgent care. The outcome of events was not recovered.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1321258-1	All symptoms are 4.18.21 - Present * New onset POTS like symptoms (70+ BPM increase from laying down to standing) * Unable to walk without inducing further tachycardia (previously could ski with tachycardia) - Week of 5/10 lowered to 40BPM increase, still cannot lift things or go up stairs. New occasional heart palpitations * New tingling sensations in left fingertips and left foot * Short term memory confusion * Shortness of breath and visual shakiness upon walking
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1327323-1	Approx. 6 days after the first dose I experienced POTS. It woke me up. I have subsequently had 3 episodes with the most recent this morning 05/12/2021
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1339102-1	Swollen arm with redness, POTS (fatigue,, dizziness, lightheadedness, blurry vision, increased heart rate upon standing, shortness of breath, exercise intolerance, nausea)
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1341553-1	Signs and symptoms of Orthostatic intolerance, new (not happened before) Sinus tachycardia with sinus arrhythmia - confirmed, new (not happened before) Signs and symptoms of Postural orthostatic tachycardia syndrome (not happened before) Exertional dyspnea Tachycardia associated with ordinary and routine activities Hypovolemia Acute renal insufficiency (never

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1347169-1	happened before) Experienced episode of syncope at work the next day and had to receive IV fluids and be sent home, started having more frequent episodes of syncope, completed several EKGs showing abnormal rhythms, fitted for a 24 hour heart monitor that showed runs of SVT; now being treated by cardiology for POTS and SVT; seeing an Electrophysiologist to consider and Ablation; Also was taken to ER at one point for possible MI
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1349530-1	"Passing out POT syndrome has occurred 10 times since initial vaccine; Passing out POT syndrome has occurred 10 times since initial vaccine; This is a spontaneous report from a contactable consumer (patient). A 17-year-old female patient received bnt162b2 (PFIZER-BIONTECH COVID-19 VACCINE), via an unspecified route of administration on 07Apr2021 15:15 (Batch/Lot number was not reported) as 1ST DOSE, SINGLE for covid-19 immunization. Medical history included history of migraines from an unknown date and unknown if ongoing. Concomitant medication included vitamin d3 taken for an unspecified indication, start and stop date were not reported. Passing out POT syndrome has occurred 10 times since initial vaccine worsening post second vaccine on 13Apr2021 12:00. The patient experienced ""passing out POT syndrome has occurred 10 times since initial vaccine"" and was reported as worsening post second vaccine. The patient did not receive any other vaccines within 4 weeks prior to the COVID vaccine. Prior to vaccination, the patient was not diagnosed with COVID-19. Since the vaccination, the patient hasn't been tested for COVID-19. Therapeutic measures taken as a result of the event included a Heart monitor (as reported). Outcome of events was not recovered. No follow-up attempts are needed; information about lot/batch number cannot be obtained."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1361382-1	POTS (postural orthostatic tachycardia syndrome). Cough, DOE and elevated HR at rest. (pt's usual HR is in the 60s; it is now in the 90s to 100s after the vaccine). Pt's HR increased from 79 lying to 106 standing (orthostatics done in urgent care)
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1361792-1	Six days (evening of 5/20) after the first dose of the COVID vaccine (Pfizer), Patient started to experience severe dizziness and nausea. Since that evening he has experienced the following: - Significant increase in heart rate when transitioning from laying down to sitting and/or standing. - Severe dizziness - Excessive fatigue - Headaches - Gastrointestinal issues (constant nausea. Nausea increases in severity when standing. Diarrhea.) - Muscle pain in his upper arms and upper legs The above symptoms have continued 24/7 since their onset.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1364582-1	Starting on the day of the vaccine (2nd dose), I noticed typical sore arm. At 7pm, had a fever, nausea, full body pain, and flu-like symptoms. I did take ibuprofen and Benadryl a few hours later around bedtime. I woke up with fatigue, lethargy and Covid fog (decrease mental acuity and lethargic). I had symptoms for 4 days and symptoms started to improve. I noticed my heart rate increased at 120 and would only decrease if I lay down. I went to see a doctor who diagnosed me with POTS (posterial orthostatic tachycardia syndrome). I was prescribed metoprolol 25mg once a day.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1365067-1	Received vaccine 5/22/21 - had some local arm swelling & pain which resolved that night. 5/23 had fever, chills, nausea, diarrhea x2 days with complete resolution. On 5/29, developed urticarial rash on legs & arms - no improvement with OTC Benadryl. No new foods/obvious exposure to other allergens other than family had tried a new scent of their brand of fabric softener. 5/31, developed nausea, vomiting, hand/feet swelling, & had a pre-syncopal episode. Presented to ER; tachycardic with symptomatic orthostatics though vitals otherwise normal. Received IV fluids, Pepcid, Decadron with improvement in HR/symptoms. Continued to be orthostatic with some extremity swelling so received IM Epinephrine - subsequent improvement in rash, nausea. Hospitalized for monitoring. Orthostatis/nausea resolved, vitals remained stable. Some intermittent itchiness/hives present that came & went still present at the time of discharge from hospital.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1366568-1	I am a physician. My so developed POTS syndrome after the second dose. He was completely healthy before this., a competitive tennis player.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1368587-1	I would be standing up and had to sit down because my heart started to race and was bedridden for a week (Pots Syndrome). I'm in the process of trying to get diagnosis on it to find out correlation between the two to find out if it was due to the vaccine because my health started going downhill shortly after receiving my vaccination. I have been going to a couple of Cardiologists so far and am mentioning the correlation with the vaccination to see what they are saying and it is still an ongoing investigation. My heart rate increases drastically when I stand up and goes down rapidly when I sit down within 30 seconds.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1371212-1	Within 24 hours of the vaccine started to develop episodes of tachycardia (mom who is a physician measure heart rates as high as 130-140) with minimal activity. He noticed a couple of episodes of heart racing (was not noticing other episodes) but no HR obtained. He developed more pleuritic chest pain at the site of his rib pain and persistent fatigue. Seen in my office three times over the next 7-10 days. and symptoms persisted. Testing included CXR and ECG which were normal. COVID PCR NP swab was negative and blood work was normal (cbc, ebv/cmv titers, thyroid). He was evaluated by cardiology on 5/24/21 and diagnosed with POTS. Currently (early June) he continues to have fatigue significant enough that he can't get through an entire school day (very atypical for him) and has intermittent pleuritic chest pain (which had mostly resolved about 10 days after the vaccine) The tachycardia has resolved for the most part (within 2 weeks of the vaccine)
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1377754-1	Worsening of POTS (postural orthostatic tachycardia) symptoms; worsening of ME/CFS symptoms: 1) profound, debilitating fatigue, 2) post-exertion malaise, 3) unrefreshing sleep, 4) orthostatic intolerance, 5)cognitive dysfunction. ME/CFS feels like being sick every day--like having the flu every day (body aches, feeling ill, brain fog)--have all worsened significantly since the booster dose of Moderna vaccine.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1380714-1	developed a large amount of antibodies that is now causing his heart to be inflamed; Postural orthostatic tachycardia syndrome/ when he stands or walks,his blood report becomes very elevated.; Shortness of breath was more severe, started to breath hard; COVID-long hauler; Symptoms were worse today; This spontaneous case was reported by a consumer (subsequently medically confirmed) and describes the occurrence of HEART INJURY (developed a large amount of antibodies that is now causing his heart to be inflamed) in an 82-year-old male patient who received mRNA-1273 (Moderna COVID-19 Vaccine) (batch no. 031M20A) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. The patient's past medical history included COVID-19 from 17-Jan-2020 to April 2020, Hemochromatosis, Ferritin (Ferritin was up to 1110, well out of normal range) in 2002 and Heart enlarged (Had a sonogram in the past which showed his heart was enlarged a little bit). Previously administered products included for an unreported indication: TETANUS VACCINE in April 2021. Concurrent medical conditions included Sleep apnea (Uses a sleep apnea machine), Holter monitoring (Wearing a heart monitor with expected removal on 26-APR-2021) since 12-Apr-2021 and Hypertension. On 16-Feb-2021, the patient received second dose of mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) 1 dosage form. On 25-May-2021, the patient experienced CONDITION AGGRAVATED (Symptoms were worse today). On an unknown date, the patient experienced HEART INJURY (developed a large amount of antibodies that is now causing his heart to be inflamed) (seriousness criterion medically significant), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural orthostatic tachycardia syndrome/ when he stands or walks,his blood report becomes very elevated.), DYSPLNOEA (Shortness of breath was more severe, started to breath hard) and POST-ACUTE COVID-19 SYNDROME (COVID-long hauler). The patient was treated with ACETYLSALICYLIC ACID (BABY ASPIRIN) for Shortness of breath, at an unspecified dose and frequency and IVABRADINE for Shortness of breath, at an unspecified dose and frequency. At the time of the report, HEART INJURY (developed a large amount of antibodies that is now causing his heart to be inflamed), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural orthostatic tachycardia syndrome/ when he stands or walks,his blood report becomes very elevated.) and POST-ACUTE COVID-19 SYNDROME (COVID-long hauler) outcome was unknown and DYSPLNOEA (Shortness of breath was more severe, started to breath hard) and CONDITION AGGRAVATED (Symptoms were worse today) had not resolved. DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): On an unknown date, Heart rate: increases (High) With movement heart rate increases. For mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular), the reporter did not provide any causality assessments. No concomitant medications were provided. This case was linked to MOD-2021-089705 (Patient Link). Most recent FOLLOW-UP information incorporated above includes: On 01-Jun-2021: Additional event added. Other HCP information added and case updated accordingly.; Sender's Comments: Very limited information regarding these events has been provided at this time. The events are probably related to the patient's comorbidities, additional information required.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1381069-1	extreme fatigue; postural orthostatic tachycardia syndrome (POTS)/ heart rate increased dramatically upon standing; This is a spontaneous report from a contactable physician (parent). A 16-year-old male patient (son) received BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE), dose 2 intramuscular, administered in Left arm on 06May2021 13:00 (Lot Number: EW0163) as 2nd dose, single for covid-19 immunisation. The patient medical history was none. no known allergies. concomitant medication was none. the patient did not receive any other vaccines within 4 weeks prior to the COVID vaccine. the patient did not receive other medications within 2 weeks of vaccination. Patient previously received first dose of BNT162B2 (brand: Pfizer, lot number: EW0161) on 15Apr2021 01:00 PM (at age of 16 years old) via Intramuscular into Left arm for Covid-19 immunization in Hospital. Patient is an extremely fit competitive tennis player, developed extreme fatigue 2 days after the second dose (08May2021 17:00), which has now lasted for more than 2 weeks. After getting an smart watch they noted that his heart rate increased dramatically upon standing, and after excluding other possibilities, believe this to be postural orthostatic tachycardia syndrome (POTS) on 08May2021 17:00. event resulted in Doctor or other healthcare professional office/clinic visit, Emergency room/department or urgent care, Disability or permanent damage. Prior to vaccination, the patient was not diagnosed with COVID-19. Since the vaccination, the patient underwent covid tested post vaccination which included Nasal Swab: negative on 14May2021. Treatment received for the events included so far compression socks, rest and diet changes. Outcome of the events was not recovered. Follow up needed, further information has been requested.; Sender's Comments: A causal association between BNT162B2 and the reported events cannot be excluded based on a compatible temporal relation. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to RAs, Ethics Committees, and Investigators, as appropriate.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1384593-1	Dysautonomia; POTS Syndrome; This is a spontaneous report from a contactable pharmacist (patient's sister-in-law). A 53-year-old female patient received BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE, lot numbers and expiration dates were not provided), via an unspecified route of administration on an unspecified date at 1st dose, single dose and via an unspecified route of administration on an unspecified date at 2nd dose, single dose for COVID-19 immunization. The patient's medical history and concomitant medications were not reported. The patient received both doses of Pfizer COVID-19 vaccine. She had mild but prolonged symptoms after the first dose, and she had similar symptoms after the second dose but was more severe and was not resolving. She has seen and consulted medical professionals and may be diagnosed with dysautonomia and POTS syndrome on an unspecified date which the pharmacist mentioned they have seen to be reported as a complication from the COVID-19 disease, but not with the vaccine per se. Dysautonomia was described as very rare and serious. She has been bedridden for six weeks. The patient was perfectly normal and healthy before she was vaccinated. The outcome of the events was not recovered. Information on the lot/batch number has been requested.; Sender's Comments: The patient was 53-year-old female, and postural orthostatic tachycardia syndrome (POTS) syndrome was not uncommon in her age group. The events POTS syndrome and dysautonomia were unlikely related to the BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE). The case will be reassessed should additional information become available. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to Regulatory Authorities, Ethics committees and Investigators, as appropriate.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1392099-1	Pt received first dose on May 14. Initially, we did not think side effects. Pt did complain of getting dizzy when standing up, but we did not think was related. We thought it was from her methotrexate. Pt received her second dose on June 6. On June 7, Pt had chest pain, tachycardia, and did not feel right. We went to Hospital. Pt was admitted because of the high pulse rate and nausea and vomiting. It appears that the vaccine triggered POTS. This is an update to my report that I filled out in the hospital a few days ago
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1395119-1	headache and fatigue day after vaccine, then 2nd day had episode of orthostatic syncope, now appears to be fully recovered but continues to have orthostatic tachycardia
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1403416-1	I had a bad flare up of my medical condition POTS which caused dizziness, fatigue, and I couldn't do much of anything. Usually when I get a flare up it goes away for some time but its a little different now. I got a yeast infection and I haven't had one in over 30 years.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1407990-1	Elevated Irregular Heartbeat. Hospital admission on 5/3-5/6 for Tachycardia , cardiovascular testing and electrolytes replacement. Potential POTS Postural Orthostatic Tachycardia Syndrome
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1410439-1	Approximately 10 days post vaccination I developed symptoms of dysautonomia (lightheadedness when standing, global digestive upset). I initially visited urgent care due to concern of heart issues (had an EKG done that was normal) and strong symptoms of anxiety that are very unusual for me. These symptoms progressed over the course of the next 2 weeks to include postural orthostatic tachycardia syndrome. I have a sudden increase in heart rate of ~20-40bpm upon standing with a concomitant drop in systolic blood pressure of ~20mmHg. I have lost 8lbs due to an inability to eat a normal amount of food without stomach cramping and diarrhea.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1413336-1	After receiving the vaccine on 3/31, experienced typical side effects noted such as sore arm, body aches, etc. - however two days after felt numbness and tingling in feet and hands which went away a few days later. On 4/14, the tingling in feet returned. Went to ER on 4/16 as tingling/numbness getting worse and progressing upward to legs; evaluated and sent home. Returned to ER on 4/22 as numbness/tingling continued to progress upward, evaluated and sent home. On 4/25, in addition to constant numbness/tingling, started experiencing tachycardia. Resting heart rate as well as heart rate doing simple tasks was high. Also began experiencing difficulty getting a full breath. Woke up 4/27 to worsening breathing and tachycardia, as well as new feelings of adrenaline rushes and Internal tremors throughout the body. PCP ordered Troponin and D Dimer and D Dimer elevated. Back to ER that day - negative Covid test - CT of chest showed no blood clots; sent home. That evening, resting heart rate was high and elevated even while lying down (90-110 bpm). The next day, 4/28, all symptoms continued and worsened as day progressed. Returned to ER and in the way experienced a pre syncope episode - upon arrival to ER blood pressure was 70/30; stabilized and sent home. Continued tachycardia and another pre-syncope episode that evening. Was referred to neurology and had appointment 4/29; all symptoms remained and were increasingly debilitating. Neurologist determined more testing needed, and was admitted to the hospital for observation/testing. Diagnosed with Guillain Barre Syndrome after head/neck/spine MRI and lumbar puncture, which showed elevated protein. Hospitalized for 5 day course of IVIG and discharged 5/4. Started feeling better for a few weeks, although numbness/tingling in legs/feet never went away. The week of 5/17 started feeling burning in throat/nose/chest and returning tachycardia; returned to ER 5/23, was admitted for observation as D Dimer high again - checked for DVT, all clear; testing and suspicion of Postural Orthostatic Tachycardia Syndrome (POTS); discharged 5/25. On evening of 5/30, experienced new concerning neurological tremors and sudden involuntary movements, as well as stiff neck/head. Returned to ER 5/31; evaluated and released. Have continued to experience autonomic nervous system dysfunction, POTS symptoms, tachycardia and bradycardia, constant numbness and tingling in extremities and occasional tingling/numbness in other areas in the body, pressure in head, internal tremors, adrenaline rushes, feelings of burning in throat/chest, suspected reflux; upcoming appointments with an Electrophysiologist and Neuromuscular Doctor for further evaluation. Note - also reported this using v-safe up until the weekly check ins were over
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1416953-1	I was diagnosed with POTS about 3 weeks after the second injection. I started developing episodes of tachycardia, hypotension, and near syncopal episodes.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1425253-1	Within 24 hours of booster dose of Moderna vaccine, noted severe joint pains which lasted about a day, and then worsening of profound, debilitating fatigue, worsening POTS, autonomic dysfunction symptoms--rapid heart rate, inability to stand for more than a few seconds, inability to walk longer than a few steps, temperature dysregulation (feeling too hot, night sweats); felt like a relapse of ME/CFS and POTS similar to the worsening of symptoms that occurred with mono infection--mostly bed bound, housebound. Still have not recovered to baseline before the vaccine.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1441099-1	My daughter experienced on day of her 2nd vaccine, feel nauseated in the evening time, then the second day. Felt very lethargic, fatigue, laying in bed all day, sleeping. She still had nausea also experienced chills, highest temp 99.8F. Her arm pit on the right side where she got the vaccine was really sore. She basically like within a couple of days she started her period cycle again and it was very heavy and lasted one week and half almost two weeks. On 06-08-2021, at about 10pm, she was brushing her teeth when she saw black spots and she went to tell me. At about 11:30pm that night, she squatted to pat our dog and when she got up and she felt really dizzy, lightheaded so I got concerned. Her symptoms persisted and I scheduled an appointment with her pediatrician on 06-15-2021. The pediatrician ruled out anemia. Her pediatrician said she has Postural orthostatic tachycardia syndrome. Her pediatrician said that this is something manageable, she needs to strengthen her calf muscles and drink lots of water. They monitored her heart pressure and blood pressure. Her heart rate had increased to 40bpm. I also gave her Ibuprofen medication after the vaccine. Leading to today she has been having dizziness and light headedness every single day. My daughter is still experiencing symptoms, dizzy and light headed today. For her 1st vaccine--within few days after her 1st dose, she experienced when using the treadmill, she would feel very dizzy. I did not think anything of it at first and this happened three times then it stopped. She also had a sore arm.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1443604-1	Cardiac arrhythmia, tingling in head, brain fog, dysautonomia, light sensitivity, tachycardia with any exertion.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1444368-1	My POTS went from well controlled to debilitating. Chest pressure, out of breath, shaky, brain fog, severe fatigue, nausea, headache. Resting heart rate went from 55-65 to 75-90. Unable to work
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1446328-1	symptomatic with POTS (Postural Orthostatic Tachycardia Syndrome), chest pain, short of breath.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1450333-1	Approximately 24 hours after dose given, developed debilitating pain in joints and muscles, temp spiked to 103, developed mouth sores in side mouth and on tongue, extreme headache, tops of feet and hands became numb, cramping and tingling in all extremities, chest tightness, unable to ambulate for 6 hours. Have had debilitating headaches every morning since dose, Brain fog, developed bells palsy on L side of face approximately 2 weeks after does, lost hearing in left ear, started with blurred vision in my l eye, started having POTS syndrome, dizzy and falling when standing from lying and sitting position, increased anxiety, increased fatigue, malaise and increased body pain, increased palpitations, difficulty concentrating, daily fevers, neuropathy, chronic swelling of L ankle, post exertional malaise (mental and physical exertion)
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1461955-1	Developed Postural Orthostatic Tachycardia Syndrome (POTS) after receiving vaccine. Heart rate increases upon sitting up and standing by >40bpm, followed by light headedness, blackouts, fatigue, migraines, numbness in arms, and labored breathing. Bedridden for 2-3 days after each episode.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1464216-1	I was diagnosed with Postural orthostatic tachycardia syndrome. I was given medication. Currently on treatment. I passed out and had tachycardia. That would cause shortness of breath and dizziness. I was diagnosed in March and I am currently on medication treatment.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1464612-1	On May 13th, I felt my feet go numb and I could not stand. I sat down to immediately find a heat go through my bod - heat to head. I then felt my heart racing. Took my pulse and it was 134. (I have had no heart issues at all previously - normal resting heart rate in the 60s). Three more times this happened, with heat going from feet to head (numbness in feet). Each heart rate was progressively lower with each incidence. Then it stopped. This was in the afternoon and by evening felt ok. The 14th, the same thing happened but only 3 times and with hr incidents starting at 123. Then fine again. The morning of the 15th started again, so I went to urgent care appointment in the afternoon. By this time, my heart rate was up and down.. They ran an EKG and it was fine, just showing rapid heart rate. But I was sent to the ER for further tests. At ER another EKG, chest x-ray and blood work. Only item of significance was an elevated TSH. At this point, my heart rate was going up and down (I had a finger monitor so I could watch it). I'll note at this point, the heart rate was random but I was able to walk. Over the next week or so, hr got worse and positional. When I stood up, it would sky rocket to the 140s. I became shaky, developed brain fog, nausea, feeling like I was going to fall over and felt only well laying down or sitting. I visited my primary who initially thought anxiety but as symptoms were getting worse (I could no longer do anything: walk farther than from the living room to the kitchen, do simple tasks while standing or sitting - hr would increase while doing activities even while sitting, and no longer drive).My doctor decided it was more than anxiety when I was continuing to have symptoms that looked like POTS. I have been to the cardiologist - she did a 24 holter and EKG - no significance, but decided my heart was not the primary cause of the positional heart rate increase. I am due for an echocardiogram this week - just to make sure but she did not think that was the issue. An MRI this week, recommended by my neurologist. and have done preliminary blood work/urinalysis for possible endocrine issues - all that have come back normal so far (but seeing an endocrinologist next month anyway). I currently am seeing functional neurologist who has diagnosed me with dysautonomia (so far of unknown reasons) - he is helping me with the heart rate issue (POTS) and other symptoms that have developed over the weeks like electrical zaps throughout my body - some sort of neruopathy. I was in great health until this shot. I had not even had a cold since January of 2020. I may have hypothyroidism but it has been managed with some ups and downs in TSH for the last 20 years with no other issues. Some of my doctors do not correlate the shot to my problem but some have. There does not seem to be any other explanation.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1474201-1	Immediate heart palpitations once received injection , about 1-2 minutes after injections. Elevated heart rate continued for weeks, has now turned into POTS. Ringing in the ears Muscle pains Headaches
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1478110-1	My period was 2 weeks late, which is not typical. Then, my POTS symptoms became much worse, making it feel like my beta blocker wasn't working. Symptoms include feeling dizzy, fatigued, headaches, shakiness, more adrenaline surges, rapid heartrate.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1485136-1	Dizziness, fatigue, nausea, numbness and tingling in all extremities. This has been occurring roughly a week after the initial vaccination.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1498592-1	Heart rate 160+ beats per minute, chest pain, heart palpitations, low blood pressure, dizziness, shortness of breath, dehydration, migraines, hallucinations, COVID-like symptoms, chills, muscle spasms, fever of over 103 degrees Fahrenheit, vomiting, diarrhea, POTS. I have gone to the ER 5 times since the date I received the vaccine on April 6, 2021. Symptoms are ongoing. I have been referred to and seen by a cardiologist, gastroenterologist, and mental health practitioners as a result.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1500990-1	Developed Postural Tachycardia Syndrome (POTS) with vomiting and diarrhea, 20 lb weight loss. She was evaluated by pedi GI, who made the diagnosis based on labs, EKG, vital signs, and clinical presentation. Symptoms started 3 days after the 2nd Pfizer COVID vaccination was administered. She was treated with supportive care (fluids, salt, compression stockings), omeprazole 20 mg BID, cyproheptadine 2 mg BID. She received a single dose of decadron (for croup on June 25,2021). Her symptoms have improved though they have not fully resolved. she continues on omeprazole and cyproheptadine.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1501912-1	I had been having these health issues since January 2020 but believe I was being misdiagnosed with panic attacks by my GP and not certain this was from the COVID vaccines. On May 20, 2021 around 10pm my heart rhythm got out of sync and it felt like my heart was flipping. I had my husband take me to the ER at 3am (May 21, 2021). The ER had to sedate and shock my heart to get a normal heartbeat. I was ultimately asked if I had had COVID and diagnosed with POTS. Our family believes we had COVID in January 2020 but no testing was available to know for sure.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1510114-1	Migraine, nausea and vomiting, low grade fever and headache. That resulted in tachycardia because I could not keep my medications down. This was similar to the reaction I had to flu vaccine. Migraine was intractable and I couldn't get rid of with medications I had on hand. It started on the 4th and I went to ER on 12th. I ended up getting dehydrated. I had a heart rate of 170's. After lab work was done, my troponin - they said it doubled while I was in the ER - but it was never out of range. But because it doubled, they admitted me to hospital to keep it from going up. I was given 2 liters of normal saline to hydrate. was given multiple medications. I had continuing saline IVs through admission. My troponins did not keep going up. The prolonged QT was due to anti-nausea meds I had been taking at home. My QT returned to normal after hydration and Oral Metoprolol 100 mg given in the ER. Myocardia ischemia - They consulted with cardiologist - he said that they would do a echo-cardiogram if the Troponin kept going higher. But since my symptoms resolved that I didn't have to have that done. Also was given in the Hospital, Ativan, Toradol; Dilatid; Benadryl and Reglan while in the hospital. Mild carditis - from COVID vaccination - I wasn't diagnosed with it - but it's a concern. Currently, I have normal Tachycardia that still happens with me. I have shortness of breath sometimes - but that correlated with low blood pressure while standing but that can go with the POTTS.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1513426-1	Patient has P.O.T.S. Patient was driving and had a episode and blacked out. Patient had a high fever.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1515783-1	First two days, swollen supraclavicular node. I still have this. Two weeks later, swollen node under right armpit. I still have this. I had ultrasound and mammogram of breasts. No cancer. One month later I had abdominal pain so my doctor ordered a ultrasound and CT scan. It showed enlarged spleen at 15cm and several pericical lymph nodes measuring 1cm. Waiting to see a hematologist on this issue. Then, July 6th I had a sudden episode of tachycardia reaching 150 bmp. Blood pressure 170 over something. Near syncope. Went to hospital several times until I was admitted. The high heart rate abated but returns as soon as I stand. This comes along with postural hypotension as well according to discharge diagnosis. The hospital did EKG, echocardiogram, 24hr holter, x-ray, chest CT, blood work, and nothing showed up except my EKG was abnormal one time. They didn't really explain. I went to my cardiologist because I couldn't hardly walk after these episodes. The dizziness was so bad and I felt like if pass out if I stood. Dr. said I have POTS, (Postural Orthostatic Tachycardia Syndrome) and they're gonna do more testing. I'm seeing an electrophysiologist soon as well as getting a sleep study. I have started on antidepressants and any anxiety meds since from all this stress. I still have all the symptoms except I can walk now around my house and a little outside.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1522435-1	peripheral neuropathy; Still cannot move hands / cannot write anything, cannot type or sign anything; postural orthostatic tachycardia syndrome; Feel dizziness / dizzy all the time; Can't sleep at night; Hands freeze; daily migraines; Still have headache; Fatigue all the time/chronic fatigue; This spontaneous case was reported by a consumer and describes the occurrence of NEUROPATHY PERIPHERAL (peripheral neuropathy) in a female patient of an unknown age who received mRNA-1273 (Moderna COVID-19 Vaccine) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. Concurrent medical conditions included Autoimmune disorder (Auto immune disorder .) and Hypotension (low blood pressure). On an unknown date, the patient received first dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) 1 dosage form. On an unknown date, received second dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) dosage was changed to 1 dosage form. On an unknown date, the patient experienced NEUROPATHY PERIPHERAL (peripheral neuropathy) (seriousness criterion medically significant), MUSCULOSKELETAL STIFFNESS (Still cannot move hands / cannot write anything, cannot type or sign anything), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (postural orthostatic tachycardia syndrome), DIZZINESS (Feel dizziness / dizzy all the time), INSOMNIA (Can't sleep at night), PERIPHERAL COLDNESS (Hands freeze), MIGRAINE (daily migraines), HEADACHE (Still have headache) and FATIGUE (Fatigue all the time/chronic fatigue). At the time of the report, NEUROPATHY PERIPHERAL (peripheral neuropathy), DIZZINESS (Feel dizziness / dizzy all the time), INSOMNIA (Can't sleep at night), PERIPHERAL COLDNESS (Hands freeze), MIGRAINE (daily migraines), HEADACHE (Still have headache) and FATIGUE (Fatigue all the time/chronic fatigue) outcome was unknown and MUSCULOSKELETAL STIFFNESS (Still cannot move hands / cannot write anything, cannot type or sign anything) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (postural orthostatic tachycardia syndrome) had not resolved. Concomitant medications were not provided. Treatment medications were not reported. Company comment: Based on the current available information and temporal association between the use of the product and the start date of the events, a causal relationship cannot be excluded. This case was linked to MOD-2021-127566 (Patient Link). Most recent FOLLOW-UP information incorporated above includes: On 28-Jul-2021: Follow up received contains significant information ; event outcome updated as not recovered not resolved for stiffness, Events migraine, peripheral neuropathy added.; Sender's Comments: Based on the current available information and temporal association between the use of the product and the start date of the events, a causal relationship cannot be excluded.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1528064-1	Erythromelalgia, neuropathy, POTS; Erythromelalgia, neuropathy, POTS; Erythromelalgia, neuropathy, POTS; Inappropriate route of vaccination; This spontaneous case was reported by a consumer and describes the occurrence of NEUROPATHY PERIPHERAL (Erythromelalgia, neuropathy, POTS), ERYTHROMELALGIA (Erythromelalgia, neuropathy, POTS) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Erythromelalgia, neuropathy, POTS) in a 46-year-old female patient who received mRNA-1273 (Moderna COVID-19 Vaccine) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. Concurrent medical conditions included Food intolerance (No food allergies but can tolerate very little foods.). On 08-Jan-2021, the patient received first dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) 1 dosage form. On 08-Feb-2021, received second dose of mRNA-1273 (Moderna COVID-19 Vaccine) (Cutaneous) dosage was changed to 1 dosage form. On 08-Feb-2021, the patient experienced INCORRECT ROUTE OF PRODUCT ADMINISTRATION (Inappropriate route of vaccination). On 18-Feb-2021, the patient experienced NEUROPATHY PERIPHERAL (Erythromelalgia, neuropathy, POTS) (seriousness criterion medically significant), ERYTHROMELALGIA (Erythromelalgia, neuropathy, POTS) (seriousness criterion medically significant) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Erythromelalgia, neuropathy, POTS) (seriousness criterion medically significant). On 08-Feb-2021, INCORRECT ROUTE OF PRODUCT ADMINISTRATION (Inappropriate route of vaccination) had resolved. At the time of the report, NEUROPATHY PERIPHERAL (Erythromelalgia, neuropathy, POTS), ERYTHROMELALGIA (Erythromelalgia, neuropathy, POTS) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Erythromelalgia, neuropathy, POTS) had not resolved. DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): On an unknown date, Body temperature: fluctuations (abnormal) fluctuations in feet. Concomitant medication were not provided Treatment medication were not reported. It was reported that, 2 weeks after vaccine patient started having hot feet and it was progress to bulging veins, tingling in face, hands and feet. Company Comment: Based on the current available information and temporal association between the use of the product and the start date of the events, a causal relationship cannot be excluded.; Sender's Comments: Based on the current available information and temporal association between the use of the product and the start date of the events, a causal relationship cannot be excluded.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1528788-1	P.O.T.S shortly after shot started standing up and feeling dizzy dr noticed when I stood my heart would race and my BP would drop
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1531058-1	Diagnosed with POTS after vaccine; This is a spontaneous report from a contactable other hcp (patient). A 46-years-old non pregnant female patient received second dose of bnt162b2 (BNT162B2, Formulation: solution for injection, Lot number: not reported) via an unspecified route of administration, administered in Arm Left on 31Mar2021 at 10:00 AM (at the age of 46-years-old) as DOSE 2, SINGLE for covid-19 immunisation. Historical vaccine included first dose of bnt162b2 for covid-19 immunisation. Medical history included covid-19 and patient had known allergies to codeine from an unknown date and unknown if ongoing. Concomitant medications was not reported. The patient didn't take any other vaccine in four weeks. The patient had covid prior vaccination, covid tested post vaccination. The patient diagnosed with POTS after vaccine on 01Apr2021 at 08:00 AM. The adverse events resulted in Doctor or other healthcare professional office/clinic visit. The patient underwent lab tests and procedures which included blood test (Abbott antibody test): negative on 12Apr2021 and sars-cov-2 test: positive on 09Feb2021. Therapeutic measures were taken as a result of diagnosed with pots after vaccine with beta blockers and Pepcid. The events outcome was unknown. No follow-up attempts are possible; information about lot/batch number cannot be obtained.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1531781-1	May 17 awoke with extreme headache and Vomiting. Treated for migraine in ER several days later but did not respond to treatment. Had Dose 1 of Pfizer on 6/9 and had fatigue, headache, GI upset. Had dose 2 on 6/30. Had leg pain and fatigue 7/1. By 7/3 was bed ridden - SOB, Heart racing, dizzy. Has seen Cardiology who evaluated for POTS. Since then has an array of symptoms - Ringing in ears, jaw pain, constipation, debilitating fatigue, joint pain, low B12 Similar symptoms to Long COVID. No known diagnosis, but now suspects episode in May was COVID
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1534110-1	Postural orthostatic tachycardia syndrome; kept passing out; Constipation; Blurred vision; loss of words; in a wheelchair; Memory loss; Slurred speech; major fatigue; Headache; Fever chills; extreme dizziness; This is a spontaneous report from a contactable consumer (patient's mother-in-law). A 39-year-old male patient received BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE, Solution for injection, Lot number: not reported), dose 2 via an unspecified route of administration on an unspecified date in 2021 as single dose for covid-19 immunization (at the age of 39-year-old). The patient medical history was not reported. The patient's concomitant medications were not reported. Patient historical vaccine included first dose of BNT162B2 via an unspecified route of administration on an unspecified date for covid-19 immunization (at the age of 39-year-old). The patient hospitalized for postural orthostatic tachycardia syndrome for 7 days between 24May2021 to 28May2021, kept passing out from May2021 to Jun2021. On an unspecified date in May2021, the patient experienced in a wheelchair and loss of words. He started to have memory loss and slurred speech around the same time of 24May2021 to 28May2021. Her son in law started wearing a helmet when he was released from the hospital. He also started using a wheelchair at that time. He was very weak and dizzy. In order to avoid accidents he was given a prescription for a wheelchair. Her son in law was perfectly healthy prior to this. He also had fever and chills like everyone does. Her son in law had a battery of test at the hospital to rule out any other possible cause. Results are unavailable at this time. Her daughter had the vaccine at the same time and was fine. On an unspecified date in 2021, the patient experienced extreme dizziness, major fatigue, headache, fever chills. On an unspecified date, blurred vision and constipation. The outcome of all the events was not recovered.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1534862-1	Increase in resting heart rate after injection. On June 20th, experienced Postural orthostatic tachycardia syndrome (POTS). Continues to have POTS
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1536637-1	Well there were a number of symptoms: I was having stomach burning sensation from my diaphragm; heart palpitations - almost like a panic attack; dizziness - frequently. And then I passed out - I fainted out and got a concussion. So I went to the doctor and she referred me to Cardiologist for tests. I have not passed out since so they aren't putting me on medication. Treatment: Sitting up slowly; increase salt intake and increased hydration. To help with the problems with dizziness. The other symptoms are slowly resolving and the cardiologist says they should continue to resolve - she's seen this in other patients.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1541628-1	This activated POTS in my system. I have been having tachycardia with standing and minimal activity, dizziness, nausea, near syncope, intolerance to heat, fatigue ever since getting the vaccine. I am 38 years old and very healthy and active. I am a Registered Nurse and I work full time. I have been unable to live my normal life since getting the vaccine. I have missed work and I never miss work. I am unable to exercise! I am so fatigued I can barely make it through a whole day without a nap. I have lost 8lbs since getting the vaccine and I have a poor appetite.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1544079-1	POTS; Bad chills; nausea; diarrhea; general weakness; severe neck pain; dizziness; This spontaneous case was reported by a health care professional (subsequently medically confirmed) and describes the occurrence of DIARRHOEA (diarrhea), ASTHENIA (general weakness), NECK PAIN (severe neck pain), DIZZINESS (dizziness) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) in a 37-year-old female patient who received mRNA-1273 (Moderna COVID-19 Vaccine) (batch no. 025J20A) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. The patient's past medical history included GERD in 2010. Concurrent medical conditions included Seasonal allergy since 2010. Concomitant products included LORATADINE for Seasonal allergy. On 28-Dec-2020, the patient received first dose of mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) 1 dosage form. On 31-Dec-2020, the patient experienced NECK PAIN (severe neck pain) and DIZZINESS (dizziness). On 08-Jan-2021, the patient experienced DIARRHOEA (diarrhea), ASTHENIA (general weakness), CHILLS (Bad chills) and NAUSEA (nausea). On an unknown date, the patient experienced POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS). On 18-Jan-2021, DIARRHOEA (diarrhea), NECK PAIN (severe neck pain), DIZZINESS (dizziness), CHILLS (Bad chills) and NAUSEA (nausea) had resolved. At the time of the report, ASTHENIA (general weakness) had not resolved and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) outcome was unknown. The action taken with mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) was unknown. For mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular), the reporter did not provide any causality assessments. Most recent FOLLOW-UP information incorporated above includes: On 15-Feb-2021: Case is non serious On 19-Mar-2021: Adding completed ADR form received from patient
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1545192-1	first 24 hours felt run down and flu like, next numbness and tingling in hands, arm, legs, feet and face. Went to ER due to numbness and tingling on 7/24/21. Feeling worse each day. History of Postural Orthostatic Tachycardia, but has been off medicine (metoprolol) for years. Heart rate is elevated again - 150's and even 160's. Difficulty standing. Now like when first diagnosed with POTS when has been controlled for years. Interfering with activities of daily living, unable to go to work as must be on feet and not sitting. Even sitting, heart rate is elevated.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1554487-1	Within a week from second shot, started having significant trouble breathing and higher heart rate than usual. Drs tried treating it as asthma initially as I had mild asthma in the past (but have never even had a full-blown asthma attack), but relief was only just enough that I was able to sleep without waking up not being able to breathe. After asthma medications proved to not help enough over the course of a week with a new management medication (Flovent), I tried Prednisone as my pulmonologist suggested. That also didn't help. I was struggling to breathe and my heart rate was consistently over 120 bpm, so I went to the ER. After a lot of testing and being admitted for two nights at the hospital, eventually I was diagnosed with POTS. Although I've had symptoms of it before, and suspected I might have it, I had never come close to having so much trouble breathing before and my heart rate was higher than normal (over 120 just sitting up partially) even though it's fairly common for my heart rate to be over 100 with very little activity. After the diagnosis of POTS I have been following instructions to treat at home, but even with treatment for a week and a half so far (compression stockings and a lot of fluids and electrolytes), although my breathing is much better when I'm completely still, even walking up and down stairs slowly makes it hard to catch my breath. At this time it's unclear whether this is a permanent change in my condition or a temporary one. Also worth noting is that we had a major heat wave around the time of my second vaccine shot and I may have been more dehydrated than normal and hotter, which could have exacerbated the POTS symptoms, but heat and dehydration have never put me in this state before.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1561254-1	diarrhea; abdominal pain; Migraines; anorexia; mild edema of extremities; Night sweats; presyncope; POTS; Fatigue; pain at injection site; Severe mid-back pain; Fever; Worse case of headaches radiating from the base of her head; Muscle aches; 5hours later she had stiff neck and pain; 5hours later she had stiff neck and pain; Profound somnolence; Loss of appetite; Mental confusion; Left and right eye pain; having symptoms similar to meningitis; This spontaneous case was reported by a physician and describes the occurrence of MUSCULOSKELETAL STIFFNESS (5hours later she had stiff neck and pain), NECK PAIN (5hours later she had stiff neck and pain), SOMNOLENCE (Profound somnolence), DECREASED APPETITE (Loss of appetite) and CONFUSIONAL STATE (Mental confusion) in a 67-year-old female patient who received mRNA-1273 (Moderna COVID-19 Vaccine) (batch no. 006M20A) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. The patient's past medical history included Lymphopenia (CD4 count 119), Autonomic neuropathy, Raynaud's disease, Fever (Episodic fever of unknown origin) and Vasculitis. Concurrent medical conditions included Drug allergy (many adverse drug reactions), Food allergy (Allergic to Ocean Perch), Allergy to topical drugs, Immunodeficiency, Antiphospholipid syndrome since 2007, GERD, Hypertension, Sjogren's syndrome since 1986, Protein S deficiency, Migraine, Hiatus hernia, Diverticulum, Candidiasis of mouth, Rhinitis, Factor VIII inhibitor increased, Antiphospholipid antibodies, Methylenetetrahydrofolate reductase deficiency, Chronic pulmonary embolism, DVT and Tricuspid regurgitation (Moderate). Concomitant products included DIPHENHYDRAMINE HYDROCHLORIDE (BENADRYL [DIPHENHYDRAMINE HYDROCHLORIDE]) for Allergy, PARACETAMOL (TYLENOL) for Chronic pain, FAMOTIDINE for GERD, NEBIVOLOL HYDROCHLORIDE (BYSTOLIC) for Migraine, DICLOFENAC SODIUM (DICLOFENAC HIKMA) for Neuropathy, Pain and Phlebitis, OXYMETAZOLINE for Sinus arrest, FONDAPARINUX, TRAMADOL, CALCIUM CARBONATE, CHLORHEXIDINE and FLUCONAZOLE for an unknown indication. On 12-Feb-2021, the patient received first dose of mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) 1 dosage form. On 06-Mar-2021, the patient experienced BACK PAIN (Severe mid-back pain). On an unknown date, the patient experienced MUSCULOSKELETAL STIFFNESS (5hours later she had stiff neck and pain), NECK PAIN (5hours later she had stiff neck and pain), SOMNOLENCE (Profound somnolence), DECREASED APPETITE (Loss of appetite), CONFUSIONAL STATE (Mental confusion), EYE PAIN (Left and right eye pain), MENINGISM (having symptoms similar to meningitis), DIARRHOEA (diarrhea), ABDOMINAL PAIN (abdominal pain), MIGRAINE (Migraines), DECREASED APPETITE (anorexia), OEDEMA (mild edema of extremities), NIGHT SWEATS (Night sweats), PRESYNCOPE (presyncope), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS), FATIGUE (Fatigue), HEADACHE (Worse case of headaches radiating from the base of her head), MYALGIA (Muscle aches), INJECTION SITE PAIN (pain at injection site) and PYREXIA (Fever). On 14-Mar-2021, BACK PAIN (Severe mid-back pain) had resolved. At the time of the report, MUSCULOSKELETAL STIFFNESS (5hours later she had stiff neck and pain), NECK PAIN (5hours later she had stiff neck and pain), SOMNOLENCE (Profound somnolence), DECREASED APPETITE (Loss of appetite), CONFUSIONAL STATE (Mental confusion), EYE PAIN (Left and right eye pain), MENINGISM (having symptoms similar to meningitis), HEADACHE (Worse case of headaches radiating from the base of her head), MYALGIA (Muscle aches) and PYREXIA (Fever) had resolved, DIARRHOEA (diarrhea), ABDOMINAL PAIN (abdominal pain), DECREASED APPETITE (anorexia), OEDEMA (mild edema of extremities), NIGHT SWEATS (Night sweats), PRESYNCOPE (presyncope), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS), FATIGUE (Fatigue) and INJECTION SITE PAIN (pain at injection site) outcome was unknown and MIGRAINE (Migraines) was resolving. Not Provided DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): On an unknown date, Body temperature: 99-100f (Low) Low grade fever. The action taken with mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) was unknown. For mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular), the reporter did not provide any causality assessments. Most recent FOLLOW-UP information incorporated above includes: On 23-Jul-2021: Follow-up received and does not contain significant information. On 23-Jul-2021: Follow-up received contains Significant information Medical history and concomitant Details updated.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1571081-1	The day after the shot I felt achy and uncomfortable, as expected. Very unexpectedly, however, two days after my first vaccine I felt much better than I had in years! I had energy, alertness, and my fatigue was gone. It lasted approximately half a day; then my normal fatigue returned. Given that I have suspected POTS/dysautonomia, I was told to mention this to you all. I did tell my doctor, but it didn't lead us anywhere, practically speaking. However, given that people who have had COVID have reported their POTS-like side effects get better after vaccination, but I *haven't* had COVID but my similar symptoms POTS symptoms improved, I wanted to mention it in case that's relevant.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1579386-1	Fever of 104F; headache; full-body nerve pain; tachycardia; postural tachycardia (heart rate went from 80 while at rest to 120-140 upon standing; change in heart rate occurred within 30 seconds of standing and remained elevated for more than 15 minutes). Postural tachycardia continued for 10 days after the vaccine. Nerve pain continued for 6 days after the vaccine. Headache continued for 3 days after the vaccine. Fever continued for 36 hours after the vaccine.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1582165-1	7/19/21: Head itching following 9am vaccine, eyes started burning at noon, canker sores and red spots in mouth 10pm. Vision issues when tried to read print on electronics. 7/20/21: Tongue swelling around noon. Was so weak could barely walk across the room. Was put on dexamethasone for 3 days and started benadryl. 7/21 - 7/23: Completed dexamethasone. Continued to be very weak, dizzy, skin on entire body turned red. 7/25 - 7/26: Extreme fatigue, attack acardia, so weak couldn't walk across house and bed ridden. 7/27 - 7/30: More canker sores and red spots in mouth on inside of cheeks and swelling and on lip. Inner cheeks and lip top layers peeled off. Eyes turned red and crusty with stringy puss, legs and skin on back and chest felt like they were burning. Developed rash on hands. 7/31 - 8/18: While standing or walking felt like collapsing. Fell 4 times when standing still or walking. Very limited stamina to be able to walk more than a couple of houses (day before vax ran 4 miles and regularly run 5 miles a day). Had d-dimer test and leg ultrasound to rule out bloodclots. Had repeated ultrashound of both legs because blood is pooling in feet and they are turning bright red and purple and dark gray. Still cannot walk my dog or run. Doctor said may have induced condition called POTS.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1583010-1	I went to the doctor for abdominal pain that started around the time of the shot. Every time I went in they noticed that my heart rate was really high. This summer they diagnosed me with Postural orthostatic tachycardia syndrome (POTS). And they have not figured out why I have it yet. They think I might have had COVID before getting the vaccine. For treatment they gave me lots of electrolytes for hydration. They think I might have POTS before getting the vaccine.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1587263-1	SVT Feb 1, 2021; near syncopal Feb 8, 2021; ER with chest pain Feb 17, 2021; increased POTS symptoms with visit to Cardiologist Feb 2021; EKG and echo obtained; started on Florinef March 2021; low b12 and D found April 2021; ER April 28, bedridden with extreme fatigue and zero appetite April 28-May 5, 2021. Saw Neurologist May 2021. Started Mg and salt tabs. MRI brain August 4, 2021 to r/o pituitary lesion d/t migraines and worsening POTS symptoms; b12 and vit D levels corrected after oral replacement x 90 days.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1591680-1	Tachycardia and POTS since 1 hour after vaccination. Heart rate ranging 111-203 constantly up and down no lower for at least 73 hours after injection. Fatigue.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1616776-1	Ehlers Danlos aggravated; increased pain sensation; did not receive second moderna covid 19 injection; POTS like symptoms; rapid increase in heart rate which is unpredictable; sudden onset especially when hot; tremors in body for two weeks/Full body tremors; decreased sensation in legs; felt as though she was walking on pillows and felt very unstable; felt as though she was walking on pillows and felt very unstable; elevation in blood pressure; elevation in heart rate; This spontaneous case was reported by a consumer and describes the occurrence of TREMOR (tremors in body for two weeks/Full body tremors), BLOOD PRESSURE INCREASED (elevation in blood pressure), HEART RATE INCREASED (elevation in heart rate), HYPOAESTHESIA (decreased sensation in legs; felt as though she was walking on pillows and felt very unstable) and GAIT DISTURBANCE (felt as though she was walking on pillows and felt very unstable) in a 33-year-old female patient who received mRNA-1273 (Moderna COVID-19 Vaccine) (batch no. 025B21A) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. Concurrent medical conditions included Ehlers-Danlos syndrome and Seasonal allergy. Concomitant products included LORATADINE (CLARITIN [LORATADINE]) for Seasonal allergy, VITAMIN D NOS and BIOTIN for an unknown indication. On 06-Apr-2021 at 8:00 AM, the patient received first dose of mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) 1 dosage form. On 06-Apr-2021, the patient experienced GAIT DISTURBANCE (felt as though she was walking on pillows and felt very unstable). On 06-Apr-2021 at 6:00 PM, the patient experienced HYPOAESTHESIA (decreased sensation in legs; felt as though she was walking on pillows and felt very unstable). On 07-Apr-2021, the patient experienced TREMOR (tremors in body for two weeks/Full body tremors) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS like symptoms; rapid increase in heart rate which is unpredictable; sudden onset especially when hot). In April 2021, the patient experienced BLOOD PRESSURE INCREASED (elevation in blood pressure) and HEART RATE INCREASED (elevation in heart rate). On an unknown date, the patient experienced CONDITION AGGRAVATED (Ehlers Danlos aggravated; increased pain sensation) and PRODUCT DOSE OMISSION ISSUE (did not receive second moderna covid 19 injection). On 06-May-2021, TREMOR (tremors in body for two weeks/Full body tremors) had resolved. On 20-May-2021, HYPOAESTHESIA (decreased sensation in legs; felt as though she was walking on pillows and felt very unstable) and GAIT DISTURBANCE (felt as though she was walking on pillows and felt very unstable) had resolved. At the time of the report, BLOOD PRESSURE INCREASED (elevation in blood pressure), HEART RATE INCREASED (elevation in heart rate) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS like symptoms; rapid increase in heart rate which is unpredictable; sudden onset especially when hot) had not resolved, CONDITION AGGRAVATED (Ehlers Danlos aggravated; increased pain sensation) outcome was unknown and PRODUCT DOSE OMISSION ISSUE (did not receive second moderna covid 19 injection) had resolved. The action taken with mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) was unknown. The mother of the patient reported that a week later patient experienced tremors in body , elevation in heart rate and blood pressure. She did not receive the second dose because of these side effects. Treatment medication was not reported. Most recent FOLLOW-UP information incorporated above includes: On 25-Jul-2021: Patient demographics, medical history updated. Concomitant medications Claritin, vitamin D and Biotin added. New events Full Body Tremors, Decreased Sensation in Legs and POTS like Symptoms added. On 26-Jul-2021: Non-significant follow-up appended
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1623498-1	I was nauseous ,fatigue, bodyaches ,vomiting
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1628809-1	patient felt like she was going to pass out and realized it was her blood pressure. pt recorded bp of 76/63 with hr of 140bpm the symptoms quickly resolved after a few minutes and hr decreased to 80bpm after she remained lying down flat. Pt continued to have POTS through out the day and was managed by lying down

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1644336-1	Erythromelagia, neuropathy, POTs; Erythromelagia, neuropathy, POTs; Erythromelagia, neuropathy, POTs; Inappropriate route of vaccination/ Incorrct route of administration; This case was initially received via another Manufacturer (Reference number: PVIUS2021001139) on 03-Aug-2021. The most recent information was received on 17-Aug-2021 and was forwarded to Moderna on 17-Aug-2021. The license partner had received the report from FDA VAERS (Reference number: 1528064). This regulatory authority case was reported by a consumer and describes the occurrence of NEUROPATHY PERIPHERAL (Erythromelagia, neuropathy, POTs), ERYTHROMELALGIA (Erythromelagia, neuropathy, POTs) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Erythromelagia, neuropathy, POTs) in a 46-year-old female patient who received mRNA-1273 (Moderna COVID-19 Vaccine) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. Concurrent medical conditions included Food intolerance (No food allergies but can tolerate very little foods.). On 08-Jan-2021, the patient received first dose of mRNA-1273 (Moderna COVID-19 Vaccine) (Other) 1 dosage form. On 08-Feb-2021, received second dose of mRNA-1273 (Moderna COVID-19 Vaccine) (Cutaneous) dosage was changed to 1 dosage form. On 08-Feb-2021, the patient experienced INCORRECT ROUTE OF PRODUCT ADMINISTRATION (Inappropriate route of vaccination/ Incorrect route of administration). On 18-Feb-2021, the patient experienced NEUROPATHY PERIPHERAL (Erythromelagia, neuropathy, POTs) (seriousness criterion medically significant) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Erythromelagia, neuropathy, POTs) (seriousness criterion medically significant). 18-Feb-2021, the patient experienced ERYTHROMELALGIA (Erythromelagia, neuropathy, POTs) (seriousness criterion medically significant). On 08-Feb-2021, INCORRECT ROUTE OF PRODUCT ADMINISTRATION (Inappropriate route of vaccination/ Incorrct route of administration) had resolved. At the time of the report, NEUROPATHY PERIPHERAL (Erythromelagia, neuropathy, POTs), ERYTHROMELALGIA (Erythromelagia, neuropathy, POTs) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Erythromelagia, neuropathy, POTs) had not resolved. DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): On 08-Feb-2021, Body temperature: fluctuations (abnormal) fluctuations in feet. For mRNA-1273 (Moderna COVID-19 Vaccine) (Cutaneous), the reporter did not provide any causality assessments. No concomitant product information was provided by the reporter. No treatment information was provided by the reporter. It was reported that, 2 weeks after vaccine patient started having hot feet and it was progress to bulging veins, tingling in face, hands and feet. On 18-Feb-2021, the patient experienced NEUROPATHY PERIPHERAL, ERYTHROMELALGIA and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME. On 08-Feb-2021, INCORRECT ROUTE OF PRODUCT ADMINISTRATION had resolved. At the time of the report, NEUROPATHY PERIPHERAL, ERYTHROMELALGIA and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME had not resolved Company Comment: Based on the current available information and temporal association between the use of the product and the start date of the events, a causal relationship cannot be excluded. Most recent FOLLOW-UP information incorporated above includes: On 17-Aug-2021: Follow-up document received and included new events neuropathy peripheral, erythromelalgia and start date of event added.; Sender's Comments: Based on the current available information and temporal association between the use of the product and the start date of the events, a causal relationship cannot be excluded.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1646495-1	My heart rate will jump up to the 120s just standing and doing normal none strenuous activities; my heart rate will go up beyond 150s/ rarely go over 130; feel light headed and dizzy; Major brain fog; heart palpitations; chronic fatigue/ exhausted; orthostatic intolerance; POTs; This is a spontaneous report from a non-contactable nurse (patient) reported for herself. A 26-years-old female patient (patient was not pregnant at the time of vaccination) received second dose of BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE, Solution for injection, Lot number: EN6201, Expiration date: unknown) intramuscular, administered in left arm on 12Feb2021 at 09:00 am (age at vaccination was 26 years) as dose 2, single for COVID-19 immunization. The patient's medical history included fatigue (probably had chronic fatigue, but undiagnosed). The patient did not have any known allergies. The patient did not receive any concomitant medications or other medications within 2 weeks of vaccination. The patient previously received first dose of BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE, Solution for injection, Lot number: EK9231, Expiration date: unknown) intramuscular, administered in left arm on 21Jan2021 at 09:00 am (age at vaccination was 26 years) as dose 1, single for COVID-19 immunization and experienced fatigued. The facility where the most recent COVID-19 vaccine was administered was Hospital. The patient did not receive any other vaccines within 4 weeks prior to the COVID vaccine. Prior to vaccination, the patient was not diagnosed with COVID-19. Since the vaccination, the patient has not been tested for COVID-19. On 26Feb2021 at 08:00, the patient's heart rate would jump up to the 120s just standing and doing normal nonstrenuous activities, her heart rate would go up beyond 150s/ rarely go over 130, felt lightheaded and dizzy, major brain fog, heart palpitations, chronic fatigue/exhausted, orthostatic intolerance and POTs (Postural orthostatic tachycardia syndrome). About 2 weeks after receiving her 2nd dose, she began to feel lightheaded and dizzy. Major brain fog and heart palpitations. Recently in the last couple months she has been diagnosed with chronic fatigue. She had probably had that since being a teenager and it had come and gone. But after receiving her vaccines she had become fatigued again but had developed these new symptoms as stated above. Her heart rate would jump up to the 120s just standing and doing normal nonstrenuous activities (like doing laundry) her heart rate would go up beyond 150s. She had a Holter monitor to evaluate what was going on, she also had her smart watch monitoring her heart rate during the day. Her doctor diagnosed her with chronic fatigue along with orthostatic intolerance or POTs. She thought she was getting a little better with her new meds, but some days she reverted back to waking up exhausted and her heart rate was still not under 100 bpm, but she rarely went over 130 now and didn't have palpitations or felt dizzy or lightheaded. The adverse events resulted in Doctor or other healthcare professional office/clinic visit. The patient underwent lab tests which included heart rate: 120, heart rate: 150, heart rate: 130, holter monitor: results not reported on an unspecified date in 2021. Therapeutic measures were taken as a result of the events. The events were reported as non-serious. The outcome of the events feel light headed and dizzy and heart palpitations was resolved on an unspecified date of 2021. The outcome of all the other events was not resolved. No follow-up attempts are possible. No further information is expected.; Sender's Comments: Based on the information provided in the narrative, a causal association between the suspect drug and increase in heart rate cannot be completely excluded. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to Regulatory Authorities, Ethics Committees and Investigators, as appropriate.
POSTURAL ORTHOSTATIC	COVID19 VACCINE (COVID19)	1646954-1	Dizziness; Nausea; loss of appetite; inability to eat; didn't feel good at all; felt sick; symptoms of POTs and MCAS exist and the vaccine took it to next level; symptoms of POTs and MCAS exist and the vaccine took it to next level; symptoms of POTs and MCAS exist and the vaccine took it to next level

Symptoms TACHYCARDIA SYNDROME	Vaccine Type	VAERS ID	Adverse Event Description
			<p>level; hurt at her injection site for a month; This is a spontaneous report from a contactable consumer (patient reported for herself). A 41-years-old female patient received BNT162B2 (PFIZER-BIONTECH COVID-19 MRNA VACCINE, Solution for injection, Lot Number: ER8727, expiry date not reported, NDC 59267-1000-1) via an unspecified route of administration, administered in left deltoid on 25Mar2021 10:45 am (age at vaccination: 41 years old) as dose 1, 0.3 ML, single to protect herself and to protect others (covid-19 immunisation). Medical history included postural orthostatic tachycardia syndrome (POTS) from Dec2017 and ongoing; mast cell activation syndrome (MCAS) from Dec2017 and ongoing; vestibular neuronitis from 2008 to an unknown date; vestibular migraine from an unknown date and unknown if ongoing; Meniere's type symptoms from 2019 to an unknown date wherein she was diagnosed by ENT she was on the cusps hat would be similar to having prediabetes and not diabetes as the number was not there to have diabetes but she needed to stop eating sugar anyways. She could not definitively say she had Meniere's because her testing on an unknown date did not indicate that level. She was on the cusps. Concomitant medication included midodrine taken for an unspecified indication, start and stop date were not reported. Patient previously took flu shot on unknown dates as immunization. Patient did not receive prior vaccinations (within 4 weeks). Patient wanted to report adverse reactions with the vaccine. She has a few doctor that she would like to include. She gave consent for Pfizer to reach out to any of the providers. The adverse reaction was that she had major dizziness and the dizziness never stopped since 25Mar2021 11:00. It continued through March, April and May. Somewhat subsided in June. She has had nausea, dizziness, loss of appetite, and the inability to eat because of the nausea, all since 25Mar2021 11:00. She would characterize that as loss of appetite. It was now symptoms that come and go. It was back again. The vaccine was administered on 25Mar2021. She got dizziness the day she received the vaccine, 25Mar2021, and it got debilitating on the next day, 26Mar2021. It has improved. Some days she didn't feel it at all. Then somehow it came back. It was more like a nausea. This extreme nausea that was only alleviated when she was laying down. The loss of appetite has improved, but she was still having issues. Another symptom she knew people complain of was sore arm. It hurt at her injection site for a month since an unspecified date in 2021. Patient reported that in 2008 she was diagnosed with vestibular neuritis and later was treated for vestibular migraines. She was able to wean off the medication and manage the vestibular migraines for the most part as they waxed and waned. She was in good health. With POTS she has good blood pressure and her cholesterol was fine (dates unspecified). Her comorbidities could have contributed to her experience. With MCAS being a degenerative disease, it hurt her. It was almost like draining a battery. She could never get back to 100% again. She felt like taking this first shot was a roll of the dice. What she was reading in articles was the vaccine was working but it was downplaying the side effects. If comorbid conditions were only effecting a small portion of the population, she felt like she was being punished for fear of moving forward with second dose. Her appointment was at 10:30AM. She probably didn't get it until 10:45AM. The dizziness, nausea, and loss of appetite started about 11:00AM. The problem with chronic illness was those symptoms of POTS and MCAS exist and the vaccine took it to next level (25Mar2021). They let her leave after 15 to 20 minutes. She thought maybe it was an initial reaction and thought she would be fine. She just wanted to leave because she didn't feel good at all. She didn't go into anaphylaxis, but she felt sick. They had driven 40 minutes out of their way to get the vaccine. She just wanted to go home. The patient did not require emergency room but the events required physician office visits. She went to the doctor's office. She had a virtual call with withheld and they prescribed Phenergan for nausea and dizziness. She talked to her ENT and had a visit with him as well. She was also seen at the nurse practitioner's office. She did not see her nurse practitioner, but one of her colleagues for dizziness. Not one of them could advise for or against the second dose. That told her that the doctors don't want to take the liability. They have to abide by health code. They were afraid to take on liability if they advise the second one. Not one of them could tell her. She was emotional. Her take away was that she was a guinea pig and they will report it back to them. It has taken years for vaccines to be vetted and they couldn't tell you what will happen. One doctor said she was covered 80% which was better than nothing. They were staying on neutral ground. Someone in her position needed answers. People with symptoms with comorbid conditions have no answers. She was living in limbo every day. Someone should advise her to take the vaccine. She knew the risk and took the risk but she did not understand the level of the risk. People with Mast have been masking before mask policies were mandated. They have been social distancing before it was a word. If she had known that for the Mast Cell community she would have said that they wanted to protect other people, but they have been protecting themselves a lot longer than before COVID hit with wearing mask. The people with Mast Cell Activation Syndrome have a named (Withheld). He wrote an article about the people with Mast. His conjecture may be true that people with MCAS and POTS all have the symptoms of those COVID long haulers which are trouble breathing, tachycardia, and low blood pressure. That is POTS in a nut shell. Somehow they have been prophylactically treating themselves and not knowing it. With COVID symptoms they talk about cytokine storm and the body's mast cell. People who have Mast Cell Activation Syndrome have a good treatment protocol. They could have had it and not know. They live with pain at base line. What could have been COVID, they could have thought it was just a flare. They were treating everyday with antihistamine which was not a cure. They were treating with Cromolyn Sodium and histamine stabilizer. It would be a cluster fuck if that population got COVID and that was why caller got vaccine. She also realized that she was already taking medication for Mast Cell and Cytokine Storm. She was one step ahead of people who haven't had to take an antihistamine in their life. Those were her thoughts. She was tired of her population being overlooked and paired down to a statistic of people who have COVID vaccine and were not going to die. The people that experienced this was a small population and they didn't realize how debilitating these side effects were and how permanent can be. It was not being discussed in the articles and it was being overlooked. It saddened her. She was in this population and was trying to do the right thing. People with Mast Cell take over the counter antihistamines like Allegra and Zyrtec. They were prescribed histamine stabilizer like Cromolyn Sodium and also compounded antihistamine Ketotifen, taken orally as well. People with POTS were already taking Propranolol or Midodrine, if on the other spectrum, to stabilize their blood pressure. She couldn't speak to what's happening in the lungs. They could easily get that fixed. POTS and MCAS are rare disease. There was a population of 20,000. withheld is a football MVP and his wife has POTS. They use his platform to discuss POTS. If the vaccination companies were going to make vaccines they need to include chronic illness groups. People were being overlooked. It was sensitive and needed a better treatment plan. Patient clarified that she was just speaking generally about people with POTS and Mast Cell. She did not have NDC, lot, and expiry to provide for antihistamines, histamine stabilizer, Cromolyn Sodium, Ketotifen, Propranolol, and Midodrine. Those medications were specifically tailored for individuals. For her, she was just on Midodrine. People with this condition have to take something that slowed down heart rate and also raised blood pressure. Some people have to do both and it was a delicate balance. One doctor said she was covered 80% which was better than nothing. Then there were fillers in medications. She</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
			was asking if this was a reaction to fillers in medications or if she did react to filler in the vaccine or to the vaccine itself. She didn't know. She probably won't have answers until postmortem. She wasn't sure who she should go see to get tested for a reaction. She asked if this was a reaction aside from the deactivated virus. She reacted fine to the flu shot. She was not antivax. She knew this was completely a different beast. No further details provided. She declined transfer to another hospital. She wanted to confer with colleagues. She helped monitor a MAST cell activation group of over 15,000 people. They have shut down vaccine talk. Therapeutic measures were taken as a result of the events dizziness, symptoms of POTS and MCAS exist and the vaccine took it to next level, and nausea. The patient was recovering from dizziness, loss of appetite, and inability to eat. The event hurt at her injection site for a month was recovered on an unspecified date in 2021. The outcome of the other events reported was unknown. Follow-up attempts are completed. No further information is expected.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1655375-1	Systemic: Body Aches Generalized-Mild, Systemic: Fever-Medium, Systemic: Tachycardia-Medium, Additional Details: Patient has previous diagnosis of Potts, patient had fever of 103 for 2 days after injection, is still having issues with heart rate as of 08/28/2021. patient has not sought ER care at this time as her tachycardia is not bad enough for her to go to ER
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1655960-1	Patient stated that she developed many problems due to receiving the vaccination. Postural Orthostatic Tachycardia syndrome. Hypertension, QT
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1658704-1	Syncope/POTS/refractory tachycardia/fatigue
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1666325-1	I started experiencing problems with low blood pressure within a few weeks of my second Moderna shot. After a series of visits to my GP and two cardiologists, I have been diagnosed with Postural Orthostatic Tachycardia Syndrome (POTS). The diagnosing physician said that sudden onset of POTS (I had no symptoms prior to March 2021) can be related to an immune response from a viral illness. I have not been ill since February 2020, but I did have a very strong immune response to the second Moderna shot (I spent 2 days in bed). So it seems plausible that the POTS is related to the vaccination.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1666451-1	ten minutes after second dose, she fainted. They fainted a second time on Aug 18th, prompting our urgent care visit. Urgent care pediatrician diagnosed with POTS, following up with pediatric cardiologist
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1671893-1	POTS syndrome
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1675193-1	Started developing what I initially thought was bug bites on my stomach, thighs, arms and upper trunk. Turns out they are hives and they are non stop, new ones keep popping up, but as they go, they dry up and become eczema like. In addition, after the vaccination, my mast cell activation symptoms that were in remission flared up immediately as well as my POTS symptoms flared up that were in remission as well.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1682183-1	"All issues started 7 hours after injection (injected at 12pm, symptoms started at 7pm). Extreme GI issues. Diarrhea 7+ times within 2 hours. Puking 5+ times within 2 hours. Heartbeat raced uncontrollably to 160+ for hours. Worst chills and aches I've ever gotten. Never been sicker in my life (even from strep, flu, etc). The extreme illness went away after 3-4 days. Proceeded to lose 40 POUNDS. Went from 6'0" foot tall exercising every day at 195 pounds to 158 pounds within 6 weeks (with 0 diets or exercise change). From April to August - multiple doctor visits, GI doctor visits, 2 emergency room visits, Cardiologist visits. Never felt "myself" after the vaccine. I am pro-vaccine & pro-science, although clearly, I was exceptionally unlucky with this vaccine. I use to be a healthy 24-year-old with no health issues, eating very healthy exercising every day, 0 drugs 0 alcohol 0 smoking, and this vaccine wrecked me."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1692073-1	very bad reaction to vaccine/Postural orthostatic hypotension; very bad reaction to vaccine/Postural orthostatic tachycardia syndrome; very bad reaction to vaccine/blood pressure fluctuated so much; This is a spontaneous report from a contactable consumer (patient's mother). A male patient of an unspecified age received BNT162b2 (PFIZER BIONTECH COVID-19 mRNA VACCINE, Solution for injection, Batch/Lot number and Expiration date was not reported), via an unspecified route of administration on an unspecified date as dose 2, single for COVID-19 immunisation. Medical history included postural orthostatic hypotension from an unknown date and unknown if ongoing. The patient concomitant medications were not reported. Historical vaccine included patient received BNT162b2 (PFIZER BIONTECH COVID-19 mRNA VACCINE, Solution for injection, Batch/Lot number and Expiration date was not reported), via an unspecified route of administration on an unspecified date as dose 1, single for COVID-19 immunisation. On an unspecified date, patient had a very bad reaction with the second dose of Pfizer COVID vaccine, patient had postural orthostatic hypotension (had this prior to the vaccine as well), Postural Orthostatic Tachycardia Syndrome (POTS syndrome) and his blood pressure fluctuated so much. Patient's mother asked can he take the booster dose, what precautions he should take and also asked that they say do not switch to Moderna for booster dose if you have received Pfizer, is that correct. The outcome of all the events was unknown. The lot number for the vaccine, BNT162B2 was not provided and will be requested during follow-up.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1692119-1	"She was diagnosed with the POPS syndrome, Postal tachycardia syndrome.; This is a spontaneous report from a contactable consumer (patient's husband). A 27-year-old female patient received the second dose of BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE, Lot Number: EW0172) via an unspecified route of administration, administered in Arm Left on 29Apr2021 at age of 27-year-old at single dose for COVID-19 immunisation. Medical history included birth control. Concomitant medication included ethinylestradiol, etonogestrel (NUVARING) taken for contraception. The patient previously took the first dose of BNT162B2 (PFIZER-BIONTECH COVID-19 VACCINE, Lot number: ""EW0158.""") on 08Apr2021 at age of 27-year-old at left arm for COVID-19 Immunisation. The reporter reported the adverse effect from the Pfizer vaccine do to with the patient so, she was usually vaccinated. She had a first dose on 08Apr2021 and second on 29Apr2021 so, after her second dose between 29 within 1-2 minutes of getting the vaccine on 29Apr2021, she lost her vision, had severe headache, dizziness and that subsided and about 30 minutes after that, it came back and didn't go away. Quite a few day they had to go to emergency room, she was admitted by the night. Some of them were shorten since then, she had been in emergency room four times, undergoing medical treatments with medical doctors, cardiologists, neurologist and medical doctors, then they saw to specialist and she diagnosed with POPS syndrome by the result of the Pfizer vaccine. The reporter stated the doctor believed for the vaccine so just wanted to report that. When probed treatment for adverse events: Reporter stated, nitially, When taken her in emergency room and admitted, she was given migraine cocktail through IV, she had severe migraine since she got her vaccine, that was cleared about 50%, then she was diagnosed with the POPS syndrome, postal tachycardia syndrome (as reported), that was medical person, diagnosed with professional at doctor office which result from the Pfizer vaccine, since then she was diagnosed with undergone treatments to health people, Involves. She was having IV therapy. She was taking puncture black supplement (not further clarify) magnesium Albertine, she was having soft pills for blood pressure which was very very low. She took some pain killer for headache, that has not gone away since that day. She took NAD, injections. She also a therapist to her Cardiovascular health and exercise. Reporter stated, ""Well help her some medical dose."" Lab test information included she had full blood worked on, She was actually like tested everything(not further clarified). The outcome of the event(s) was recovering. Follow-up (30Aug2021): Follow-up attempts are completed. No further information is expected."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1704185-1	Intermittent dizziness from 3/28/2021 through April. Since early May have had daily symptoms ranging from foggy head, off balance, lightheaded, dizziness with fatigue and orthostatic intolerance.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1719403-1	After 2nd does , Pt POTS were in full swing, dizziness, unsteady on feet, fog headed, fatigue ,
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1719610-1	Orthostatic hypotension, postural orthostatic tachycardia, lightheadedness on standing. Began approximately one month after second dose of Pfizer/BioNTech Covid 19 vaccine and lasted 2 months.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1725400-1	POTS Syndrome after 2nd dose; Could not breath while walking after 2nd dose; Did not make it walking to the end of the hallway after 2nd dose; Passed out again after 2nd dose; Wearing a heart monitor after 2nd dose; Passed out after 2nd dose; Sternum hurting after 2nd dose; Thinks had chest pain after 2nd dose; Fatigue after 2nd dose,Very tired fast if works; Hard time breathing,Out of breath fast if works; Could not work for months after after 2nd dose; This spontaneous case was reported by a consumer and describes the occurrence of POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS Syndrome after 2nd dose), DYSPNOEA (Could not breath while walking after 2nd dose), GAIT DISTURBANCE (Did not make it walking to the end of the hallway after 2nd dose), LOSS OF CONSCIOUSNESS (Passed out after 2nd dose) and LOSS OF CONSCIOUSNESS (Passed out again after 2nd dose) in a 54-year-old female patient who received mRNA-1273 (Moderna COVID-19 Vaccine) (batch nos. 030B20A and 014M20A) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. The patient's past medical history included Cardiopulmonary resuscitation and Gastrointestinal surgery. Concurrent medical conditions included Autoimmune disorder and Chest pain. Concomitant products included OMALIZUMAB (XOLAIR) for an unknown indication. On 04-Mar-2021, the patient received first dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) 1 dosage form. On 06-Apr-2021, received second dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) dosage was changed to 1 dosage form. On 16-Apr-2021, the patient experienced DYSPNOEA (Hard time breathing,Out of breath fast if works), LOSS OF PERSONAL INDEPENDENCE IN DAILY ACTIVITIES (Could not work for months after after 2nd dose), CHEST PAIN (Thinks had chest pain after 2nd dose) and FATIGUE (Fatigue after 2nd dose,Very tired fast if works). In July 2021, the patient experienced LOSS OF CONSCIOUSNESS (Passed out after 2nd dose) (seriousness criterion medically significant) and CHEST PAIN (Sternum hurting after 2nd dose). In August 2021, the patient experienced POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS Syndrome after 2nd dose) (seriousness criterion hospitalization), DYSPNOEA (Could not breath while walking after 2nd dose) (seriousness criterion hospitalization), GAIT DISTURBANCE (Did not make it walking to the end of the hallway after 2nd dose) (seriousness criterion hospitalization), LOSS OF CONSCIOUSNESS (Passed out again after 2nd dose) (seriousness criterion medically significant) and CARDIAC ASSISTANCE DEVICE USER (Wearing a heart monitor after 2nd dose). The patient was hospitalized from sometime in August 2021 to sometime in August 2021 due to DYSPNOEA, GAIT DISTURBANCE and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME. At the time of the report, POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS Syndrome after 2nd dose), DYSPNOEA (Could not breath while walking after 2nd dose), GAIT DISTURBANCE (Did not make it walking to the end of the hallway after 2nd dose), LOSS OF CONSCIOUSNESS (Passed out after 2nd dose), LOSS OF CONSCIOUSNESS (Passed out again after 2nd dose), DYSPNOEA (Hard time breathing,Out of breath fast if works), LOSS OF PERSONAL INDEPENDENCE IN DAILY ACTIVITIES (Could not work for months after after 2nd dose), CHEST PAIN (Sternum hurting after 2nd dose), CARDIAC ASSISTANCE DEVICE USER (Wearing a heart monitor after 2nd dose), CHEST PAIN (Thinks had chest pain after 2nd dose) and FATIGUE (Fatigue after 2nd dose,Very tired fast if works) outcome was unknown. DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): In August 2021, Electrocardiogram: abnormal (abnormal) Abnormal. Patient thought the breathing difficulty was due to her allergies. Patient was not admitted, but she was in the ER for 3 days. Treatment medications were not reported. Company comment: The case concerns a 54-year-old-female patient with previous relevant medical history of cardiopulmonary resuscitation, who experienced the unexpected event of postural orthostatic tachycardia syndrome, dyspnoea, gait disturbance and loss of consciousness. The events occurred approximately 4 months after the second dose of Spikevax. The rechallenge was not applicable since the events have not been reported after the first dose. The benefit-risk relationship of Spikevax is not affected by this report. This case was linked to MOD-2021-320279 (Patient Link).; Sender's Comments: The case concerns a 54-year-old-female patient with previous relevant medical history of cardiopulmonary resuscitation, who experienced the unexpected event of postural orthostatic tachycardia syndrome, dyspnoea, gait disturbance and loss of consciousness. The events occurred approximately 4 months after the second dose of Spikevax. The rechallenge was not applicable since the events have not been reported after the first dose. The benefit-risk relationship of Spikevax is not affected by this report.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1726518-1	"8/29: Headache, back pain, muscle aches 08/31: Ear pressure and dizziness 09/01:Same as above but palpitations/chest pain began 09/01: Started a OTC decongestant and Rhinocort/Flonase to attempt to relieve ear pressure. 09/03: Saw NP and was prescribed Methylpred to attempt to relieve ear pressure. He agreed that I was having palpitations and tachycardia. Labs were drawn. 09/05: Stopped Methylpred/Sudafed and all caffeine to see if cardiac syptoms would resolve. 09/09: Appoint with Dr. Cardiology dx'd with POTS. Does believe that vaccine caused the flare. This is documented. Started on Metoprolol 12.5 mg bid and Sodium Chloride tid. 09.13-9/15: No resolution in symptoms. Increased to Metoprolol 25 mg bid and Sodium Chloride 09/ 21:Noticing cognitive issues. I am a nurse and making many errors I would not have normally made. Calf Pain, SOB, Break through palpitations mid day and evening, my head feels ""full"", general weakness still"
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1737591-1	day of vaccine (4/16/21): extreme dizziness 4/20/21: extremely cold and blue hands and feet 4/26/21: numbness/tingling in face, hands, and legs 4/28/21: heart palpitations that ended up being frequent PVCs, PACs, SVT. Also dysautonomia... HR increases AT LEAST 30 BPM upon standing 4/29/21: very bad and unbearable headaches accompanied by vomiting 5/2/21: seizures started Around this time, symptoms of psychosis also started Was admitted to the hospital 4 times starting 5/3/21 up until this date 9/27/21 Symptoms have not gone away, if anything they are now worse. Most recently, I am now experiencing terrible body aches, memory problems, and neck pain. Those are somewhat new symptoms

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1737807-1	Disclaimer: Dates/descriptions are approximate. This is a follow-up to my initial report filed back in April. - Immediately after shot: heart rate spike to 180, dizziness, sweating, weakness and pain in hands ? sent to ER for monitoring; - 0-2 months after: Rapid heart rate for first two weeks; pain in extremities and limbs that ?traveled? upwards to hips, spine, and head; burning in mouth; severe headache and facial pressure; burning on scalp: tingling, burning, and numbness in various places on body; tongue pain and burning; feeling of ?manual? breathing; sudden flushing and HR spikes; deep pain?described as bone pain. Two more ER visits, multiple primary care visits, Rheumatology and Electrophysiology visits. Bedridden for first two months; medical leave required. Labwork, X-rays, MRIs ordered. Rheumatological / autoimmune cause ruled out. - 2-4 months after: Bedridden; same symptoms plus ongoing muscle spasms and tremors; continuing, severe pain in spine, shoulders, knees. Unable to tolerate physical therapy. Additional doctor visits including Neurology visits. Pain in chest and feeling of pressure on throat. - 4-6 months out: Continuing symptoms. Able to get out of bed for longer periods of the day, but extreme muscle / exertional fatigue from activit. Rapid HR continues, even at rest. Dizziness and ?tunnel vision? upon standing. Cardiology and Electrophysiology appointments; POTS suspected. More Neurology visits? EMG/nerve conduction study, autonomic testing, and biopsies for small fiber neuropathy. Echocardiogram, holter monitor. Insignificant findings. - 6-8 months : Continued symptoms, but improving. Rapid HR, dizziness, muscle fatigue/pain/weakness, unexplained rashes, tongue/mouth burning. Continuing bone pain sensation. Diagnosed with mast cell disorder by Allergist/Immunologist; advised that symptoms were a reaction to the vaccine. Neuro treating heart issues as POTS.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1750394-1	onset of dizziness, tachycardia, and neurologic symptoms that started about 4 weeks after 2nd COVID vaccine. Now seen at Hospital for presumed POTS.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1752022-1	"High heart rate spikes; heart rate issues got significantly worse; Pins and needles in arms and legs; ocular migraines; anxiety; panic attacks; breathing issues; pressure in chests; fatigue; vertigo; POTS; diarrhea; nausea; occasional dizziness; This is a spontaneous report from a contactable consumer (patient). A 35-year-old non-pregnant female patient received bnt162b2 (PFIZER-BIONTECH COVID-19 VACCINE), dose 1 via an unspecified route of administration, administered in Arm Left on 03Mar2021 14:00 (2:00 PM) (Batch/Lot Number: Unknown) as DOSE 1, SINGLE for covid-19 immunisation. No medical history included and patient's concomitant medications were not reported. The patient reported that: ""High heart rate spikes started 9 days after first vaccine. They continued to go unnoticed until my symptoms peaked in July. This is where my heart rate issues got significantly worse and other issues occurred. Pins and needles in arms and legs, ocular migraines, anxiety, panic attacks, breathing issues, pressure in chests, fatigue, vertigo, POTS, diarrhea, nausea"". The patient also stated that: ""I'm still dealing with the cardiac issues, occasional dizziness, pins and needles and GI issues"". The events reported to start on 12Mar2021 at 06:00 PM. The events resulted in: Doctor or other healthcare professional office/clinic visit, Emergency room/department or urgent care and hospitalization for 3 days. No treatment was noted. The patient had no Covid prior vaccination. The patient is covid tested post vaccination via Nasal Swab on 25Aug2021 with negative result. The outcome of the events was not recovered"

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1753319-1	<p>05/2020 - Umbilical hernia repair (no mesh) and appendectomy. Smooth surgery, smooth recovery, no issues at all except hernia recurring 6 weeks later. 12/2020 - Covid. I had fever, cough, horrible headache, loss of taste/smell, etc. Negative covid test, wife tested positive. I'm 100% sure I had it and I had a false negative. Recovered fully from what I could tell in about 2-4 wks. Mid 03/2021 - 2nd Pfizer vaccination. A few days later - playing tennis with a friend. Not overly warm out (maybe 80-85 degrees no humidity). Had to stop mid game because i felt like I absolutely could not catch my breath and i felt like a slight pain in my chest. Had an EKG done a week later and it was fine. Early 04/2021 - Step-father inlaw passed away pretty unexpectedly. 04/13/2021 - Hernia repair (mesh used). I was totally fine, not concerned at all before the surgery. Woke up in the recovery room in a panic, couldn't breathe. I remember gasping for air. They were able to stabilize me I guess? Sent me home that day and I only really remember a couple things the rest of that day, and I think I was fairly normal. 04/14/2021 - When everything really went to shit. Every 6 hours after the 10am surgery the previous day I was taking 5mg of oxycodone. On the 5th and final dose that I took at around 4:30p, I went into a serious panic attack with horrible like air hunger/shortness of breath. Went to the ER said all my vitals and stuff were fine and sent me home. Had another panic attack I think later that night. I remember like my head just feeling like immense pressure, and my mind doing/seeing things it never had before. Like I was just seeing stars and I for sure felt like I was going to die. Eventually I was able to fall asleep around 3am. Had continued air hunger/shortness of breath every day around the clock for the next two months. Constantly felt like I wasn't getting enough air. I think the lowest my O2 went to was 90 or 91. Another panic attack early May. Which was when I stopped working. Late 05/2021 - Went to a psychiatrist and was given Zoloft. Took for 4 or 5 days. Didn't sleep for 4 days straight. Early 06/2021 - Between the insomnia and suicidal thoughts I asked my family to get me some help. I was tired and delirious and having some intense frequent thoughts about hurting myself. I've never had thoughts like these ever before. Discontinued Zoloft while I was in the ER. Early 06/2021 - ER sent me to a mental hospital for a 72 hour hold. This was hands down the worst experience and time of my life. I received no help at all while I was there and it felt like I was in prison. They tried giving me a few different pills and none helped. I got about 12 hours combined of sleep while I was there. 06/10/2021 - Went to this mental health outpatient treatment facility. Was absolutely reeling at the time. Most of the people there were nice but had radically different backgrounds I had (abusive or completely dysfunctional home), and it was obvious that all of their problems were rooted in their families. Now my family isn't perfect, but I've always had 100% loving parents. Didn't find the program very helpful. 6/15/2021 - Started on Prozac 10mg, went up to 20mg. At this time I absolutely couldn't do anything (most days for the previous 2 weeks prior to this I sat in one spot and had no desire to do anything, it was the worst feeling ever). Late 06/2021 - Psych told me to go up to 40mg of Prozac. Nearly got serotonin syndrome, went to urgent care and went back down to 20mg. Mid 07/2021 - Went back to home with my mom and wife. Late 07/2021 - titrated up to 30mg because 20mg didn't seem to be doing much. Early 08/2021 - Stumbled upon a r/covidlonghaulers sub-Reddit and discovered that all this shit seems to be covid related. The only differences between my surgery last year and this year from a biological standpoint was the mesh and having gotten covid in 12/2020. Early 08/2021 - moved to the mountains with my wife and her mom. A week later - evacuated from our house for 3 weeks because of wildfires. Mid 09/2021 - evac lifted went back to our house. Late 09/2021 - family decided I should come back home for a little while. List of symptoms throughout all of this (bolded are the ones still lingering to this day): Constant headaches. Sleep problems / chronic insomnia (never had a problem with sleeping in my life prior to all of this). Earlier on in April, May, June I'd get either brain zap feelings or a shot of adrenaline that would jolt me awake when I was trying to fall asleep. For a long time it was hard to get to sleep and stay asleep. Thankfully now it's easier to fall asleep, but I usually wake up 3-6x per night. Difficulty Breathing (this mostly went away in June). Dissociation/Derealization/Depersonalization; Dizziness; Hand Tremors (I have a video I can text if you'd like); Anhedonia; General brain fog; Difficulty thinking; reading; concentrating; forgetfulness; nausea and appetite loss; Acid Reflux; Chest pain/tightness/discomfort (few EKG's, a CT of my chest and an echo done. All show my heart/lungs are fine) Palpitations every so often Orthostatic / Tachycardia problems (BP drops 20-30 systolic when I go from laying down to standing and 10-15 diastolic). Heart rate usually goes up by 25+, (usually from 70 ish to 100ish); Disorientation (especially after sleep) Low energy most of the time, but I can do almost all tasks without any physical inabilities; Difficulty exercising and honestly maybe PEM; Exercising makes me feel shitty. I recently (late september) did a kind of test where I cycled for 30 mins one day. The next day I felt horrible. A little over 24 hours later I was absolutely balling for about 20-30 mins. Muscle twitches; Anxiety/PTSD/Depression/Intrusive thoughts; Body aches; Muscle soreness or stiffness with minimal activity; No pre-existing physical or mental health issues.</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1754013-1	<p>One week after vaccine I developed POTs syndrome and since then my symptoms of POTs and diabetes has become significantly worse. I've been hospitalized 3 times and I am currently on leave from work due to inability to work. I experienced high heart rate, racing heart, dizziness, pressure in head, and basically a cortisol stress hormone burst that comes out of nowhere, and my blood sugar went from being perfectly controlled to me experiencing hypoglycemia (130 blood glucose and it should be 70).</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1767493-1	nausea; POTS flare ups not experienced for years. So bad over past months since May vaccine that we have explored every gastro possibility to no avail.; POTS flare ups not experienced for years. So bad over past months since May vaccine that we have explored every gastro possibility to no avail.; This is a spontaneous report from a contactable consumer. A non pregnant 19-year-old female patient received bnt162b2 (PFIZER-BIONTECH COVID-19 VACCINE ; Lot number and expiration date were not reported), via an unspecified route of administration, administered in Arm Right on 04May2021 14:45 (at the age of 19-years-old) at dose 2, single for covid-19 immunization. Medical history included known allergies to penicillins and POTS (Postural orthostatic tachycardia syndrome). The patient's concomitant medications were not reported. Historical vaccine included bnt162b2 (PFIZER-BIONTECH COVID-19 VACCINE ; Lot number and expiration date were not reported), via an unspecified route of administration, administered on 13Apr2021 15:00 at dose 1, single for covid-19 immunization. Prior to vaccination, the patient was not diagnosed with COVID-19 and since the vaccination has not been tested for COVID-19. Patient did not receive any other vaccines in four weeks. Patient had POTS which was managed at time of Covid vaccine. After 2nd vaccine patient symptoms became much worse on 05May2021. She has not experienced POTS flare ups for years. It was so bad over past months since second vaccine that they have explored every gastro possibility to no avail. Nowshe has to withdraw from her first college classes due to this worsening of her POTS illness. The most recent covid-19 vaccine was administered at Pharmacy or Drug Store. The events resulted in Doctor or other healthcare professional office/clinic visit, Emergency room/department or urgent care. Patient was given Fluids in ER and nausea prescriptions. The outcome of the event POTS was not recovered, outcome of nausea was unknown. No follow-up attempts are possible; information about lot/batch number cannot be obtained.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1768657-1	I originally had a lymph lump under my left arm. I went to a doctor about 5 days after the vaccine. It lasted about ten days. I reported this. During the spring throughout the summer until now I have developed tachycardia POTS. I didn't have these symptoms prior to the vaccine. It is now compromising my life.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1770573-1	passing out; fatigue; Migraine; postural orthostatic tachycardia syndrome/symptoms of headache, tachycardia, dizziness and felt horrible; Breast enlargement; chills; Lymphnode swelling in armpit; This is a spontaneous report from a contactable consumer (mother). A 17-year-old female patient received bnt162b2 (PFIZER-BIONTECH COVID-19 VACCINE), via an unspecified route of administration on 16May2021 12:00 at 17-year-old (Batch/Lot number EW0186) as DOSE 2, SINGLE for covid-19 immunisation. Medical history included ongoing Cholinergic urticaria. The patient's concomitant medications were not reported. The patient previously took first dose of bnt162b2, on right arm on 18Apr2021 09:00 at 17-year-old for covid-19 immunisation and experienced overtired (18Apr2021 to 20Apr2021). 2 months after they reported to as 2 in half weeks after getting the vaccine got symptoms of headache, tachycardia, dizziness and felt horrible. She was diagnosed with POTS(postural orthostatic tachycardia syndrome). Her symptoms have been debilitating at times. Asking if Pfizer has any reports on this in younger people after getting the vaccine. Stated that no medication is working very well as they are trying to treat these symptoms. Asking if symptoms will worsen if she gets covid because she responded this way to the vaccine. Also information on booster shot for people with POTS. Asking where she could see more information about clinical trial. Stated that non information has Pfizer has provided from the life changing event that her daughter is experiencing is appalling. Caller states she is calling about the Pfizer vaccine, reclarified as the Pfizer Covid vaccine. Caller states she is calling about her daughter, who got the second dose of vaccine. Caller states 4 weeks, her daughter woke up on 11Jun2021 with a severe headache, and ended up in the emergency room. Caller states she also was passing out and felt like a light switch went off. Caller states her daughter has no prior medical history. Caller states her daughter has seen a series of doctors and she, herself, is feeling desperate. Caller states she was later diagnosed with POTS(postural orthostatic tachycardia syndrome). Caller states her daughter also had dizziness and tachycardia. Caller states her daughter is now followed by a cardiologist and a neurologist. Caller states she was calling various institutions, and at the PRIVACY, she cannot get an appointment for 14 months, because she was told they are inundated with post vaccine injury cases and post Covid cases of POTS. Caller states her daughter is a national level swimmer, and she got her daughter in to see a doctor, who assumed she had a Migraine, and started her on medication, which had no effect. Specifics identified later in report. Caller states her daughter had dizziness, and the room was spinning, and she had an MRI (Magnetic resonance imaging), which was normal. Caller states her daughter was referred to a neurologist. Caller states her daughter was diagnosed with POTS by a neurologist at PRIVACY on 21Jul2021. Caller states her daughter did see a cardiologist, who did various tests, and she was ruled out for myocarditis, and all the tests came back normal. Caller states her daughter still has tachycardia, and she is constantly dizzy and her heart rate will go from 50 to 100 without warning and she feels like she is going to pass out. Caller states her daughter feels horrible and can't really function. Caller states that her husband is in the medical field and she does understand that reactions and POTS can occur. Caller states she is looking for any studies that can provide information. Caller states she is looking for information, to find out how she can understand any data on POTS and the vaccines, what the findings are, or if she can be directed to any studies that are being done. Caller states her daughter's life has changed overnight. Caller states she is just trying to get information. Caller states her daughter was on medications to treat some of the symptoms but they did not work. Caller states another reason for reaching out today to Pfizer, is she understands the recent FDA decision to provide boosters to certain population. Caller states no one truly knows the data well enough to know how the vaccines, affect children. Caller states that before they put another vaccine into her daughter's arm, her daughter has gotten a medical exemption, because of the way she responded to the Covid vaccine. Caller asks now, because of her reactions, will her daughter have worsened symptoms if she contracts Covid? Caller states that her daughter did not have any issues prior to the vaccination. Caller clarifies from earlier in call that the doctors tried her daughter on a two medication trial for her headache. First medication: Caller states it was a migraine medication that did not work. Caller states the medication should have worked quickly if her daughter truly had a migraine. Caller states she does not know the name of the medication. Caller states the doctor determined quickly that her daughter did not have a traditional migraine. Second medication: Gabapentin, titrating dose: 100mg for 3 days, 200mg for 3 days, 300mg for 3 days. Caller states this medication did not work. Caller states her daughter had a reaction and it actually made her headaches worse. Caller states her daughter felt more dizzy. Caller states she just went through all the medications that they are not using and disposed of any medications not used. Caller states later that after the second vaccine, her daughter had chills, lymph node swelling in caller thinks left armpit, and she thinks, left breast enlargement (probably in the morning). Caller states it was on the same side as vaccine, but cannot remember if it was on the left or right side. The caller understood the risks and common side effects. The development of POTS triggers in her system. She said when it is in the

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
			<p>percentage it's lifechanging. She developed tachycardia; debilitating dizziness; headaches that are excruciating. She even had an MRI (Magnetic resonance imaging) done and she didn't have a brain tumor. There are severe symptoms. She said they are a drug company they are collecting data all the time. They are compiling information; someone she spoke with before said they are seeing clusters of symptoms but they are not calling it POTS. She has tachycardia, fatigue and headaches. They are not getting diagnosed. She know they have this. She wanted to know the ideology of this going forward. She wanted to know if her daughter gets a booster; both cardiologist and neurologist said not to. They are looking for medications. She's on 2 cardiac meds that are not helping. What are they seeing in POTS diagnosis; if there is a study for her. They are being followed by people are taking the information. She didn't know if it's going to be compiled. It's frustrating. The drug company have got studies and investigators. They are acting like nothing is going on. Other have a POTS clinic and it's inundated with post covid POTS and vaccine related POTS. It's incredibly frustrating. Where can she be followed? She was frantically looking for help. NIH as been more helpful. They gave her specific information on places that are studying this and who to contact. The CDC does nothing: they say report an adverse event and look for studies. The website: pfizer vaccine/research: that website doesn't give you contact person. She and her husband are not antivaxxers. They are grateful for the company, but there has to be moral responsibility. It's not being talked about. When it's presented you are sent through these dead end holes. If it was the precedents child experiencing this they would be doing everything to help. She wanted useful information. She knew that's not their fault. Caller was upset there wasn't more information Pfizer MI could present. She was upset that they are collecting this information but it isn't available and it's not being talked about. The patient experienced passing out (hospitalization) on an unspecified date with outcome of unknown, postural orthostatic tachycardia syndrome/symptoms of headache, tachycardia, dizziness and felt horrible on 11Jun2021 with outcome of not recovered, chills on 16May2021 20:00 with outcome of recovered on 17May2021, breast enlargement on 17May2021 with outcome of recovering, lymphnode swelling in armpit on 16May2021 with outcome of recovered, fatigue on an unspecified date with outcome of unknown, migraine on an unspecified date with outcome of unknown. No follow-up attempts are needed. No further information is expected.</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1788377-1	<p>Noticed hair loss and hand swelling between March-August 2021. On August 9, 2021, I had an overwhelming sensation that I was going to faint while walking, I also had stomach pain and diarrhea. In the following week, I was taken to the Emergency Department 4 times; my heart felt like it was racing, I got extremely lightheaded, I could not walk straight, I needed to hold on to something sturdy within my range to hold myself up, felt like I was dying. Doctors performed EKG, routine blood work and results were normal so they did not know what was wrong with me and would just give me IV fluid and discharge me.</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1789132-1	<p>On days 1-3, Fever, malaise, long lasting unilateral headache, body aches, fatigue, and minor tinnitus. On days 8-12, Anxiety, panic attacks, waking up in a panic, POTS (postural orthostatic tachycardia syndrome) like symptoms, dizziness when standing long and tachycardia, minor shortness of breath, and exercise intolerance.</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1790601-1	<p>her face, neck, down her arm and chest felt tingly,m pins and needles on feet and hands; heart started pounding; shortness of breath; left arm went numb and tingling,face numb and tingling; chest pain,sharp shooting pains in chest,really sever chest pain; she was diagnosed with POTS Postural Orthostatic Tachycardia Syndrome; her doctor recommended her not getting the second dose; tremors,constantly shaking; panic attacks; legs would give off; twitching; anxiety attacks,could not have the door shut due to her anxiety; ringing in ears; arm hurt,extremly painful; felt really bad,t did not feel like her body,felt like she was going to die,can't control her body,still feels like she is not going to wake up one day,bad brain fog; short term memory; could not multi task,has not been able to work since April,everything was so overwhelming, she could not even schedule a doctor's appointment,make a phone number and send a text message; swelling in the right side of her body; still has muscle spasm; horrible migraines; electric shock going all over her body; hair loss; hard time concentrating, black out in the middle of conversations; sensitivity to pain; nerves are overly sensitive; extrimly painful; affected her psychologically; chest tightness; has not been able to work; This spontaneous case was reported by a consumer and describes the occurrence of CHEST PAIN (chest pain,sharp shooting pains in chest,really sever chest pain), PALPITATIONS (heart started pounding), DYSPNOEA (shortness of breath), HYPOAESTHESIA (left arm went numb and tingling,face numb and tingling), PARAESTHESIA (her face, neck, down her arm and chest felt tingly,m pins and needles on feet and hands), TREMOR (tremors,constantly shaking), PANIC ATTACK (panic attacks), LIMB DISCOMFORT (legs would give off), MUSCLE TWITCHING (twitching), ANXIETY (anxiety attacks,could not have the door shut due to her anxiety), TINNITUS (ringing in ears), PAIN IN EXTREMITY (arm hurt,extremly painful), FEELING ABNORMAL (felt really bad,t did not feel like her body,felt like she was going to die,can't control her body,still feels like she is not going to wake up one day,bad brain fog), AMNESIA (short term memory), LOSS OF PERSONAL INDEPENDENCE IN DAILY ACTIVITIES (could not multi task,has not been able to work since April,everything was so overwhelming, she could not even schedule a doctor's appointment,make a phone number and send a text message), SWELLING (swelling in the right side of her body), MUSCLE SPASMS (still has muscle spasm), MIGRAINE (horrible migraines), ELECTRIC SHOCK SENSATION (electric shock going all over her body), ALOPECIA (hair loss), DISTURBANCE IN ATTENTION (hard time concentrating, black out in the middle of conversations), SENSITIVE SKIN (sensitivity to pain), NEURALGIA (nerves are overly sensitive), PAIN (extrimly painful), MENTAL STATUS CHANGES (affected her psychologically) and CHEST DISCOMFORT (chest tightness) in a 35-year-old female patient who received mRNA-1273 (Moderna COVID-19 Vaccine) (batch no. 045A21A.) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. No Medical History information was reported. On 22-Mar-2021, the patient received first dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) 1 dosage form. On 22-Mar-2021, the patient experienced CHEST PAIN (chest pain,sharp shooting pains in chest,really sever chest pain) (seriousness criterion hospitalization). On 03-Apr-2021, the patient experienced PALPITATIONS (heart started pounding) (seriousness criterion hospitalization), DYSPNOEA (shortness of breath) (seriousness criterion hospitalization) and HYPOAESTHESIA (left arm went numb and tingling,face numb and tingling) (seriousness criterion hospitalization). In April 2021, the patient experienced IMPAIRED WORK ABILITY (has not been able to work). On an unknown date, the patient experienced PARAESTHESIA (her face, neck, down her arm and chest felt tingly,m pins and needles on feet and hands) (seriousness criterion hospitalization), TREMOR (tremors,constantly shaking) (seriousness criterion medically significant), PANIC ATTACK (panic attacks) (seriousness criterion medically significant), LIMB DISCOMFORT (legs would give off) (seriousness criterion medically significant), MUSCLE TWITCHING (twitching) (seriousness criterion medically significant), ANXIETY (anxiety attacks,could not have the door shut due to her anxiety) (seriousness criterion medically significant), TINNITUS (ringing in ears)</p>

Symptoms	Vaccine Type	VAERS ID	(seriousness criterion medically significant), PAIN IN EXTREMITY (arm hurt,extremely painful) Adverse Event Description
			<p>(seriousness criterion medically significant), FEELING ABNORMAL (felt really bad,t did not feel like her body,felt like she was going to die,can't control her body,still feels like she is not going to wake up one day,bad brain fog) (seriousness criterion medically significant), AMNESIA (short term memory) (seriousness criterion medically significant), LOSS OF PERSONAL INDEPENDENCE IN DAILY ACTIVITIES (could not multi task,has not been able to work since April,everything was so overwhelming, she could not even schedule a doctor's appointment,make a phone number and send a text message) (seriousness criterion medically significant), SWELLING (swelling in the right side of her body) (seriousness criterion medically significant), MUSCLE SPASMS (still has muscle spasm) (seriousness criterion medically significant), MIGRAINE (horrible migraines) (seriousness criterion medically significant), ELECTRIC SHOCK SENSATION (electric shock going all over her body) (seriousness criterion medically significant), ALOPECIA (hair loss) (seriousness criterion medically significant), DISTURBANCE IN ATTENTION (hard time concentrating, black out in the middle of conversations) (seriousness criterion medically significant), SENSITIVE SKIN (sensitivity to pain) (seriousness criterion medically significant), NEURALGIA (nerves are overly sensitive) (seriousness criterion medically significant), PAIN (extrimly painful) (seriousness criterion medically significant), MENTAL STATUS CHANGES (affected her psychologically) (seriousness criterion medically significant), CHEST DISCOMFORT (chest tightness) (seriousness criterion medically significant), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (she was diagnosed with POTS Postural Orthostatic Tachycardia Syndrome) and OFF LABEL USE (her doctor recommended her not getting the second dose). The patient was hospitalized from 07-Apr-2021 to 10-Apr-2021 due to CHEST PAIN, DYSPNOEA, HYPOAESTHESIA, PALPITATIONS and PARAESTHESIA. The patient was treated with NORTRIPTYLINE for Adverse event, at an unspecified dose and frequency; GABAPENTIN for Adverse event, at an unspecified dose and frequency; ESCITALOPRAM OXALATE (LEXAPRO) for Adverse event, at an unspecified dose and frequency; DULOXETINE HYDROCHLORIDE (CYMBALTA) for Adverse event, at an unspecified dose and frequency and METOPROLOL for Adverse event, at an unspecified dose and frequency. At the time of the report, CHEST PAIN (chest pain,sharp shooting pains in chest,really sever chest pain), PALPITATIONS (heart started pounding), DYSPNOEA (shortness of breath), HYPOAESTHESIA (left arm went numb and tingling,face numb and tingling), CHEST DISCOMFORT (chest tightness) and IMPAIRED WORK ABILITY (has not been able to work) had not resolved, PARAESTHESIA (her face, neck, down her arm and chest felt tingly,m pins and needles on feet and hands), TREMOR (tremors,constantly shaking), PANIC ATTACK (panic attacks), LIMB DISCOMFORT (legs would give off), MUSCLE TWITCHING (twitching), ANXIETY (anxiety attacks,could not have the door shut due to her anxiety), TINNITUS (ringing in ears), PAIN IN EXTREMITY (arm hurt,extremely painful), FEELING ABNORMAL (felt really bad,t did not feel like her body,felt like she was going to die,can't control her body,still feels like she is not going to wake up one day,bad brain fog), AMNESIA (short term memory), LOSS OF PERSONAL INDEPENDENCE IN DAILY ACTIVITIES (could not multi task,has not been able to work since April,everything was so overwhelming, she could not even schedule a doctor's appointment,make a phone number and send a text message), SWELLING (swelling in the right side of her body), MUSCLE SPASMS (still has muscle spasm), MIGRAINE (horrible migraines), ELECTRIC SHOCK SENSATION (electric shock going all over her body), ALOPECIA (hair loss), DISTURBANCE IN ATTENTION (hard time concentrating, black out in the middle of conversations), SENSITIVE SKIN (sensitivity to pain), NEURALGIA (nerves are overly sensitive), PAIN (extrimly painful), MENTAL STATUS CHANGES (affected her psychologically) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (she was diagnosed with POTS Postural Orthostatic Tachycardia Syndrome) outcome was unknown and OFF LABEL USE (her doctor recommended her not getting the second dose) had resolved. DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): On 03-Apr-2021, Heart rate: high (High) 173, elevated. In April 2021, Echocardiogram: normal (normal) normal. In 2021, Blood test: normal (normal) normal. The action taken with mRNA-1273 (Moderna COVID-19 Vaccine) (Unknown) was unknown. For mRNA-1273 (Moderna COVID-19 Vaccine) (Unknown), the reporter did not provide any causality assessments. Lab data includes ECG, cardiac test, cardiac enzymes. The patient has gone to the ER 7 times since April. The patient stated that Nortriptyline, Gabapentin (after taking it, leg, face swelled up, and was in pain). The Patient saw a psychiatrist, they gave antidepressants and antianxiety pills, but stopped it. Concomitant medication not reported. Company Comment: This case concerns a 35 year-old, female patient with no relevant medical history, who experienced the serious unexpected events of paraesthesia, tremor, limb discomfort, muscle twitching, panic attack, anxiety, tinnitus, pain in extremity, feeling abnormal, amnesia, loss of personal independence in daily activities, swelling, muscle spasms, migraine, electric shock sensation, alopecia, disturbance in attention, sensitive skin, neuralgia, pain, mental status changes, chest discomfort, palpitations, chest pain, dyspnoea and hypoaesthesia. The events occurred after the first dose of Moderna COVID-19 vaccine. The rechallenge was unknown since the events occurred after the first dose and no information has been provided regarding second dose. Off label use was considered as an additional event. The benefit-risk relationship of Moderna COVID-19 vaccine is not affected by this report.; Sender's Comments: This case concerns a 35 year-old, female patient with no relevant medical history, who experienced the serious unexpected events of paraesthesia, tremor, limb discomfort, muscle twitching, panic attack, anxiety, tinnitus, pain in extremity, feeling abnormal, amnesia, loss of personal independence in daily activities, swelling, muscle spasms, migraine, electric shock sensation, alopecia, disturbance in attention, sensitive skin, neuralgia, pain, mental status changes, chest discomfort, palpitations, chest pain, dyspnoea and hypoaesthesia. The events occurred after the first dose of Moderna COVID-19 vaccine. The rechallenge was unknown since the events occurred after the first dose and no information has been provided regarding second dose. Off label use was considered as an additional event. The benefit-risk relationship of Moderna COVID-19 vaccine is not affected by this report.</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1794961-1	Initially started as feverish feeling, generalized weakness and fatigue. Went to local ED ~8 times and initially diagnosed with dehydration and hypokalemia. Came to Hospital on 7/24/21 for 2nd opinion. found to have severe orthostatic hypotension with palpitations meeting POTs criteria. seen by endocrine, neurology, cardiology and discharged after few weeks on potassium replacement and to increase hydration. Autonomic function test done in 9/2021 shows signs suggestive for POTS and autonomic dysfunction of sympathetic sudomotor fibers. Possible in small fiber or autonomic neuropathy.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1801830-1	Body aches - used a heating pad sometimes and also took Celebrex to help with the pain. I also had chills and I took a lot of baths. I rested a lot. Kind of light headed and had nausea - resting and trying to be horizontal. I have had a lot of fluids and ginger. I had had the first POTS episode recently - the doctor had said I could take - Promethazine if I needed it but I haven't taken that yet. I have been shaky and I've tried to have electrolytes and salt and tried to keep my blood sugar up. I am kind of recovered. I'm still having the nausea and the light-headedness. I did have some chills and aches today but they are more minor; getting better.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1814159-1	Day 0: evening fatigue Day 1: about 24 hours post-vaccine I started having tachycardia, dizziness, low bp (POTS flare), injections site soreness, fatigue. Symptoms progressed that evening to full body joint pain (feels like every joint), headache, fatigue, sore jawline and jaw, sleep disturbance from joint pain Day 2: POTS flare, full body joint pain, headache, erythromelalgia (hands and feet), fatigue, sore jaw and neck, bilateral ear fullness and tinnitus, sleep disturbance from joint pain. The bilateral knee pain becomes so severe and debilitating to the point that I cannot talk a short walk or walk up stairs (I have mild-moderate arthralgia off and on particularly in my hips, low back, and wrists, but I have NEVER experienced this level of arthralgia). Gait was affected by my knee symptoms. Mild knee swelling, Livedo reticularis of knees, sensitive to touch. Wrists, fingers, and elbows are also painful and tender. I start a conversation with my primary doctor a couple days after vaccination and we agree to starting with conservative treatment, scheduling a visit to my rheumatologist, considering prednisone. I continued taking Aleve twice a day instead of starting prednisone. All symptoms improve other than knee symptoms (and continued mild elbow/wrist/finger pain) 5/5/2021 received bilateral steroid injections to knees and soon thereafter began to see slow improvement. 5/10/21 First day I was able to skip a dose of NSAID 5/13/21 was my first slow and short walk outside without severe pain End of May 2021 my bp normalized, started having days with only mild pain and no NSAIDs, Still falling asleep around 6pm every night , but I can walk a mile and walk up and down the stairs. June 2021 turned the corner. 9/??/2021 elbows and finger pain subside Today, October 2021, knee pain continues to be a new and physically limiting part of my life, however no longer severe/debilitating. It is managed with lifestyle changes (no fast movements or running, no lifting weights/toddler, no kneeling or squatting, resting, using uniform movements, etc), NSAIDS when needed which is most days. Worse in morning and at the end of the day, but I can live a lot of my life again, albeit carefully. Rheumatologist Dx suspects inflammatory arthritis as a result of vaccine (august 2021) Allergist Dx suspects reactive arthritis, does not think it is allergic reaction to vaccine Primary care Doctors reluctant to recommend vaccine second dose, and I am certainly extremely hesitant due to the first one being so destructive to my physical capability.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1822420-1	Initial chest pain, sob and rapid heart rate and tightness and pain in back of head afterwards. Could not get out of bed for 5 days following. The next week chest pain that radiates into back, neck, shoulder and jaw with profuse sweating, sob, dizziness, blurred vision, swelling in fingers, abdominal pain and nausea. Heart rate has consistently run between 122-168 and has been as high as 200bpm. Blood pressure 150/100. This worsens whenever I stand to do anything!!!!
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1829655-1	I started on the next day at 2AM with fever 102.5 degrees, muscle ache, exhausted and it felt like I had flu, I went 5 days with these symptoms. Before I used to walk 5 miles a day, I tried to walk 2 miles and I would get chest pain, shortness of breath, rapid heartbeat and my heart palpitations for a month. 1 month later I couldn't even walk down 3 houses and my chest was in pain. I felt dizzy and fainted and unresponsive for 45 minutes. At this point I went to the doctor's office, and I passed out in the lobby, and they called an ambulance and came with a diagnose of POTS (Postural Orthostatic Tachycardia Syndrome) my blood pressure was 257 over 127 so they were concerned and gave me temporary. When I got home the medicine was wore out and my heart was beating super-fast, I decided to have my son to take me to the hospital. I stayed at the hospital for 1 week because they were trying to control my blood pressure and pulse when I would stand up, still till this day I cannot walk/run my 5 miles. Now they have prescribed blood pressure metoprolol 25mg extended release, 1 a day for life. I'm still waiting to hear back to neurology and heart doctor to maintain me. With the tiredness there is a memory fog.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1834612-1	On October 5th I had a fever, chills, sore arm, swelling at injection site, before going to bed. Woke up at 2:00am with strong heart palpitations, chest pain, increased pulse rate, very light headed and dizzy. Contacted my dr and made an appointment, he did chest x-ray and blood test for cardiac markers such as triponin etc. suspected pericarditis and started a course of steroid to reduce inflammation. After several days on steroids it had not improved much so I went to the ER and they did ct scan looking for blood clots and re checked blood work. No clots and labs were all good. Symptoms appear to be consistent with postural orthostatic tachycardia syndrome.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1840005-1	intermittent transient episodes of lightheadedness, speech changes, numbness/dysesthesia, forehead dysesthesias followed by word finding difficulty +/- mild confusion, at times associated with leg jerking, L sided dysesthesias, and tongue clicking, followed by a prolonged feeling of fatigue. possible absent seizures Mild incidental length-dependent sensory loss to temperature in the distal legs irregular small amplitude twitching lower then upper extremities with varying anatomic involvement, amplitude, and frequency. chronic light-headedness/dizziness Brain fog Postural orthostatic tachycardia syndrome
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1859019-1	Diagnosed with POTS
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1864770-1	SYNCOPE, POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME. MEDICINE
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1865188-1	After vaccine - Extreme POTS symptoms and Vitamin D level dropped - on 50,000 IU Vitamin D/week ever since vaccine; was taking 2,000 IU/day prior to testing; recently put on Metoprolol due to ongoing orthostatic tachycardia. Symptoms since April include extreme weakness, fatigue, orthostatic tachycardia up to 140s/150s when standing, unable to stand for extended periods of time, some days unable to stand for more than thirty seconds, slow healing bruises, etc.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1868044-1	The morning following the vaccine my heart rate was elevated into the 190?s. I went to the emergency Dept where I was seen and advised to follow up with a cardiologist. I did and have been diagnosed with POTS (Postural Orthostatic tachycardia syndrome) I am still having an elevated heart rate despite treatment with medication. Prior to receiving the vaccine I did not have any heart issues.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1877435-1	POTS symptoms, dizziness, lightheadedness, tachycardia, chronic fatigue, heat intolerance, sweats, hot flashes, shortness of breath, difficulty breathing

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1880726-1	I received my first Moderna shot on 12/30/21. At first I had the common cold like symptoms, like fatigue that are associated with the vaccine. That month I started to have little heart flutters, but after I looked up heart flutters on internet, and it said that they aren't serious, I didn't worry about it. I also had an incident that month when I was driving where my left arm got completely numb. After I received the second shot on 2/3/21, I took 3 days off from work, because I wasn't feeling well. I had flu like symptoms, with no fever, but went back to work, because the symptoms felt mild enough. I had some additional pressure in my ears that came and went. I was still having bad cases of fatigue and light headedness. On February 12, I woke up with extreme fatigue. I felt so dizzy that it felt like my head was at the bottom of a swimming pool. I had to get fingerprinted for work so I drove with symptoms. When I went in to get fingerprinted, I fainted and was rushed to the hospital. My EKG came back normal while I was laying down so I was released that day. My symptoms were worse with intense PVCs, fatigue, neusea, lightheadedness, dizziness, migraines, vision problems and GI issues. I followed up with my PCP and after testing she suspected that I had POTS syndrome. After having to leave my jobs because the symptoms were so bad and I moved back to State for better medical care, I followed up with more doctors and was diagnosed with POTs Syndrome. After physical therapy, acupuncture, and lifestyle changes, my symptoms have gotten better but I still have them. Lately, I have had a lot of PVCs. I have severely lost income, because I couldn't work.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1887883-1	01/23-01/25: Paresthesias b/l arms and dorsal hands, fever to 103F, rigors, neck stiffness 01/27: Urticaria, severe swelling and erythema left foot joints 02/10: cervical spine arthritis, spasm of the left trapezius and SCM muscles. Muscle weakness 02/10-04/20: Tachycardia to 120s-130s at rest, POTS, nausea, diarrhea, 20lb weight loss 04/20-present: chronic cervical spine arthritis
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1889244-1	Patient has had on going dizziness & syncope for the last 2 months. She went to the ER 2x, was hospitalized and was evaluated by neurology and cardiology. She has been diagnosed with POTS.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1905319-1	Rash, fever greater than 105, neurological symptoms in speech (talking incoherently), episodes of POTS
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1910269-1	"24 hours after vaccination experienced fatigue, fever (99.9) which lasted about 36 hours. 4 days after vaccination (9/20/21), experienced numbness that started at the left side of my head and spread down through the left side of my neck, shoulder, arm. Became hypersensitive to lights and sounds, felt nerve ""shocks"" in extremities, occasional tinnitus. These symptoms would wax and wane over the course of the next couple of days progressing into head to toe full body numbness 2 days after the initial event (9/22/21). Visited ER on 9/23/21 when experiencing numbness/paresthesias from arms to hands and from legs to feet. numbness and paresthesias would wax and wane with gradually lessening intensity/episodes over the next several weeks. Also would experience orthostatic episodes of dizziness/faintness periodically that would impact driving, standing for long periods of time. Have occasional headaches in varying areas of my head. Noticed bowel changes (constipation) that would last longer than occasional episodes prior to vaccination (up to 4 to 5 days with regular meals). Paresthesias have now become more temperature sensitive neuropathies in hands and feet. Still experience occasional headaches, orthostatic dizziness/faintness. Currently approaching week 11 post vaccination and am recovered to about 85% of my baseline having been evaluated and receiving treatment for the past 6 weeks. Treatment is currently ongoing and symptoms much less intense but ongoing (received POTS diagnosis)"
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1912443-1	-HA / Nausea / dizziness reported the day of vaccine, followed by chest tightness and shortness breath by second week. Trial of albuterol/xopenex without improvement. -3rd week - pt developed fatigue, chest pain and joint pains. Referred to Pulm/Rheum - postural tachycardia noted at Rheum visit Pt diagnosed with dysautonomia/AMPS by Rheum 5/6/2021 5/19/2021 ER visit for throat itching/trouble swallowing, abdominal pain + nausea -Epipen, IVF, antihistamine/steroids given 5/20/2021 - symptoms returned. Epipen given at home. ER treatment - IVF /IV steroids and Atrovent. D/C'd home on PO prednisone, Zyrtec + Pepcid. 6/8/2021 - started on omeprazole by GI for IBS-D 6/3/2021 - seen by Cardiology for chest pain /syncope symptoms. - Echo: Sinus bradycardia, LV function @ lower limit of normal, no effusion -ECG: Sinus bradycardia with short PR interval with pre-excitation -Abnormal stress test with EKG changes with exercise (ST segment depression in Leads II, III, aVF and V3-V6, resolves in recovery) 6/3/2021 - starts PT for POTS/AMPS 7/6/2021 Cardiac MRI - mild enlargement of LV w/normal systolic function - nl RV/function - no sign of MI, myocarditis or cardiomyopathy. 7/13/2021 - palpitations/POTS. Started on metoprolol XL 12.5 mg. As of 7/29/2021, pt improving. Decrease in palpitations and increase of activity. Still fatigued. Tolerating PT and metoprolol.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1914573-1	Developed shortness of breath, tachycardia, dizziness, inability to regulate body temperature, brain fog, fatigue, and headaches. Was diagnosed with POTS (Postural Tachycardia Syndrome) which she is still suffering from and may be chronic.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1928676-1	POTS, small fiber neuropathy, MCAS, medication reactions. Beginning <1 week post-vaccine and worsening for 3+ months.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1939852-1	POTS MCAS Neuropathy Dysautonomia Muscle Pain Insomnia GI Distress Phantosmia Blood Clotting Shortness of breath Body temp dysregulation Headaches Rosacea Chest pain Back pain Light headed Fatigue Brain fog and cognitive impairment Eye dryness Rashes Joint pain Anxiety
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1943694-1	3 days post 1st vaccine: stabbing pain in right foot - 12 hours 30 mins post 2nd vaccine: numbness, tingling of right arm, hand, fingers of right hand - 4 days 12 hours 2nd post vaccine: numbness, tingling of right side of face and forehead that lasted 4 days 5 days post 2nd vaccine: stabbing pain in right foot - 2 weeks 4 weeks post 2nd vaccine: nasal wing sores - peaked 6 months but continues 10 months post vaccine 6 weeks: internal and external vibrations, tremors and jerks - peaked 6 months but continues on a lesser level 10 months post vaccine insomnia from waking up jerking and with tremors and vibrations trouble swallowing - peaked 6 month but continues on a lesser level at 10 months 8 weeks: excessive hair loss weight loss POTS symptoms full body flat, non-itchy, non-oozy spotted rash - 2 weeks 12 weeks: shingles on right side of upper back, under arm and breast area 15 weeks oral thrush

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1947138-1	"POTS; develop shortness of breath; chest pain; fatigue; This is a spontaneous report received from a contactable reporter(s) (Consumer or other non HCP). The reporter is the patient. A 23 year-old female patient (not pregnant) received bnt162b2 (BNT162B2), administered in arm left, administration date 09Jul2021 11:30 (Lot number: EW0196) at the age of 23 years as dose 1, single for covid-19 immunisation. The patient's relevant medical history was not reported. Concomitant medication(s) included: CLONAZEPAM; LEXAPRO; SPIRONOLACTONE. The following information was reported: POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (disability) with onset 28Oct2021, outcome ""recovering"", described as ""POTS""; FATIGUE (disability) with onset 18Jul2021 08:00, outcome ""recovering"", described as ""fatigue""; DYSPNOEA (disability) with onset 20Jul2021, outcome ""recovering"", described as ""develop shortness of breath""; CHEST PAIN (disability) with onset 20Jul2021, outcome ""recovering"", described as ""chest pain"". The events ""pots"", ""fatigue"", ""develop shortness of breath"" and ""chest pain"" were evaluated at the physician office visit and emergency room visit. The patient underwent the following laboratory tests and procedures: investigation: (28Oct2021) pots; sars-cov-2 test: (21Jul2021) negative, notes: Nasal Swab. Therapeutic measures were taken as a result of postural orthostatic tachycardia syndrome, fatigue, dyspnoea, chest pain included: propranolol and physical therapy. Clinical course: The patient did not receive any other vaccines within 4 weeks prior to the COVID vaccine. After many visits with different specialists patient was diagnosed with POTS on 28Oct. Never had any problems like this until got the vaccine. Prior to vaccination, the patient was not diagnosed with COVID-19. No known allergies. No follow-up attempts are possible. No further information is expected."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1954244-1	"kidney infection; fatigue; headaches; brain zaps; muscle zaps; muscle fatigue; stiffness; joint pain; insomnia; brain fog; congestion; numbness of legs, arms and face; pressure in head; exercise intolerance; POTS; heart palpitations; not able to regulate temperature; gastritis; UTI; I have been sick since I received the the vaccine- 11 months now; This is a spontaneous report received from contactable reporter(s) (Consumer or other non HCP). The reporter is the patient. A 44 year-old female patient (not pregnant) received bnt162b2 (COVID-19 MANUFACTURER UNKNOWN), administered in arm left, administration date 18Jan2021 11:00 (Batch/Lot number: unknown) at the age of 44 years as dose 1, single for covid-19 immunisation. The patient had no relevant medical history. No known allergies. No Covid prior vaccination. Concomitant medications included: SERTRALINE and Multivitamins. No other vaccine in four weeks. The following information was reported: KIDNEY INFECTION (medically significant) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""kidney infection""; FATIGUE (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""fatigue""; HEADACHE (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""headaches""; ELECTRIC SHOCK SENSATION (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""brain zaps""; MUSCLE SPASMS (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""muscle zaps""; MUSCLE FATIGUE (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""muscle fatigue""; MUSCULOSKELETAL STIFFNESS (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""stiffness""; ARTHRALGIA (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""joint pain""; INSOMNIA (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""insomnia""; FEELING ABNORMAL (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""brain fog""; NASAL CONGESTION (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""congestion""; HYPOAESTHESIA (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""numbness of legs, arms and face""; HEAD DISCOMFORT (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""pressure in head""; EXERCISE TOLERANCE DECREASED (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""exercise intolerance""; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""POTS""; PALPITATIONS (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""heart palpitations""; TEMPERATURE REGULATION DISORDER (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""not able to regulate temperature""; GASTRITIS (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""gastritis""; URINARY TRACT INFECTION (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""UTI""; ILLNESS (non-serious) with onset 24Jan2021 11:00, outcome ""not recovered"", described as ""I have been sick since I received the the vaccine- 11 months now"". The events ""kidney infection"", ""fatigue"", ""headaches"", ""brain zaps"", ""muscle zaps"", ""muscle fatigue"", ""stiffness"", ""joint pain"", ""insomnia"", ""brain fog"", ""congestion"", ""numbness of legs, arms and face"", ""pressure in head"", ""exercise intolerance"", ""pots"", ""heart palpitations"", ""not able to regulate temperature"", ""gastritis"", ""uti"" and ""i have been sick since i received the the vaccine- 11 months now"" were evaluated at the physician office visit. The patient underwent the following laboratory tests and procedures: blood test: (2021) unknown results. Therapeutic measures were taken as a result of kidney infection, fatigue, headache, electric shock sensation, muscle spasms, muscle fatigue, musculoskeletal stiffness, arthralgia, insomnia, feeling abnormal, nasal congestion, hypoaesthesia, head discomfort, exercise tolerance decreased, postural orthostatic tachycardia syndrome, palpitations, temperature regulation disorder, gastritis, urinary tract infection, illness. Symptoms have ranged in severity on and off. The lot number for bnt162b2 was not provided and will be requested during follow up."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1958688-1	Fatigue, General Malaise, Brain Fog, Post Exertional Malaise, POTS

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1963341-1	20 minutes after receiving shot I was driving home and became light headed and dizzy, felt like I wanted to faint, difficulty taking a deep breath, nauseated, shaky and heart rate was 125. Chewed a Claritin, drank 20 ounces of water quickly and feeling subsided within 10 minutes. Next day I developed nerve pain over the right side of my upper and lower teeth, severe headache and neck pains, pain over my right eye socket lasting 6 hours. I would have headaches waking me from sleep on and off with pulsations of my heart beat in my right ear. April 4th I felt faint at work-experiencing the same symptoms I did after receiving my vaccine. April 7th I had an MRI brain and experienced a vasovagal near syncopal event while in the scanner. April 12th I went to ED for tachycardia. I was diagnosed with palpitations. PCP ordered Event Monitor for two weeks. I was having auditory and visual hallucination, difficulty thinking, brain fog, headaches, neck and back pain, nerve pains to my feet with burning sensations, Nerve pains to my face and teeth, muscle aches, body aches, nausea, diarrhea, anorexia, anxiety, tremors, pulsations in my brain, vertigo, feeling of bugs crawling on my skin, muscle weakness, fatigue, double vision, blurred vision, disassociation, insomnia. I was diagnosed with POTS May 18th. Started on a beta blocker May 29th.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1967260-1	Dizziness, extreme fatigue, debilitating. Diag6with POTS 12/13/21
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1968221-1	Since the last check in, new diagnoses: chronic pancreatitis, postural orthostatic tachycardia syndrome (POTS), dizziness, fainting, muscle aches, low blood pressure.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1968613-1	First 8 hours (April 8 and 9th, 2021) I became extremely nauseous, and vomited on and off for the next 48 hours. First 24 hours (April 9, 2021) Fever, chills, sweating. First month: By May 2021 I quit my internship because I stayed nauseous and had really bad headaches, along with uncontrollable crying and anxiety. I had depression and extreme fatigue but couldn't sleep. I got epilepsy. I had dizzy spells and kept passing out. Multiple times a day I felt like I was going to pass out, I got splotches of vision and couldn't drive at night anymore. These symptoms lasted for 4 months. In July of 2021, I was diagnosed with POTS and started treatment with a clinic. I dropped out of college, (at the time I was a senior). I can barely do any exercise or handle anything stressful. I've improved a little but now take blood thinners, vitamin B shots, N-Acetyl-L-Cysteine supplements and vagus nerve vitamins.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1974031-1	<p>They are investigating for myo/pericarditis; The dysautonomia went into full blown POTS; Cytomegalovirus; It is like her immune system went haywire; Epstein Barr Virus; Dysautonomia; She has tinnitus all the time now; Has an exertion problem to where she can't do anything physically demanding; She couldn't breath, and had to get off the treadmill; She has palpitations; Her heart rate went to 160/tachycardia type situation; Her pain level is high; Had severe fatigue that is getting gradually better; This spontaneous case was reported by a consumer and describes the occurrence of POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (The dysautonomia went into full blown POTS), CYTOMEGALOVIRUS INFECTION (Cytomegalovirus), IMMUNE SYSTEM DISORDER (It is like her immune system went haywire), EPSTEIN-BARR VIRUS INFECTION (Epstein Barr Virus) and AUTONOMIC NERVOUS SYSTEM IMBALANCE (Dysautonomia) in a 58-year-old female patient who received mRNA-1273 (Moderna COVID-19 Vaccine) (batch nos. 028or5B21A and 007B21A) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. Previously administered products included for Immune system disorder: Hizentra. Past adverse reactions to the above products included No adverse event with Hizentra. Concurrent medical conditions included Immune system disorder (for which she has taken Hizentra for 2 years), Epstein-Barr virus infection, Cytomegalovirus infection, Dysautonomia and Ehlers-Danlos syndrome (history of a connective tissue disorder called Ehlers Danlos Syndrome.). On 18-Mar-2021, the patient received first dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) 1 dosage form. On 15-Apr-2021, received second dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) dosage was changed to 1 dosage form. In April 2021, the patient experienced POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (The dysautonomia went into full blown POTS), CYTOMEGALOVIRUS INFECTION (Cytomegalovirus), IMMUNE SYSTEM DISORDER (It is like her immune system went haywire), EPSTEIN-BARR VIRUS INFECTION (Epstein Barr Virus), AUTONOMIC NERVOUS SYSTEM IMBALANCE (Dysautonomia), TINNITUS (She has tinnitus all the time now), ASTHENIA (Has an exertion problem to where she can't do anything physically demanding), DYSPNOEA (She couldn't breath, and had to get off the treadmill), PALPITATIONS (She has palpitations), TACHYCARDIA (Her heart rate went to 160/tachycardia type situation), PAIN (Her pain level is high) and FATIGUE (Had severe fatigue that is getting gradually better). On an unknown date, the patient experienced MYOCARDITIS (They are investigating for myo/pericarditis). At the time of the report, POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (The dysautonomia went into full blown POTS), CYTOMEGALOVIRUS INFECTION (Cytomegalovirus), IMMUNE SYSTEM DISORDER (It is like her immune system went haywire), EPSTEIN-BARR VIRUS INFECTION (Epstein Barr Virus), AUTONOMIC NERVOUS SYSTEM IMBALANCE (Dysautonomia), TINNITUS (She has tinnitus all the time now), ASTHENIA (Has an exertion problem to where she can't do anything physically demanding), DYSPNOEA (She couldn't breath, and had to get off the treadmill), PALPITATIONS (She has palpitations), TACHYCARDIA (Her heart rate went to 160/tachycardia type situation) and PAIN (Her pain level is high) had not resolved, FATIGUE (Had severe fatigue that is getting gradually better) was resolving and MYOCARDITIS (They are investigating for myo/pericarditis) outcome was unknown. DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): In April 2021, Cardiac stress test: normal (normal) Normal. In April 2021, Heart rate: 160 (High) the electrical was normal but her heart rate went to 160. In April 2021, Magnetic resonance imaging heart: results pending Results pending. In April 2021, Pain assessment: high (High) high. The patient had a history of serious health issues. No concomitant medications reported. The patient had no history of COVID-19 infection as well as no history of Myocarditis/pericarditis. They were investigating for myo/pericarditis for which she had a heart MRI & is still awaiting the results. She had a stress test that the doctor said was normal, but not normal. She was only about to go for a couple of minutes, the electrical was normal but her heart rate went to 160, she couldn't breath, and had to get off the treadmill. The patient did not receive any corrective treatment for the events. Company comment: This is a spontaneous case concerning a 58 year-old, female patient with a history of Autonomic nervous system imbalance, who experienced the non-serious unexpected, according CCDS, AESI of Postural orthostatic tachycardia syndrome and non-serious expected, according CCDS, AESI of myocarditis (the patient reported they are investigating for myopericarditis and MRI was performed, results pending). The event Postural orthostatic tachycardia syndrome occurred approximately 1 week after the second dose of mRNA-1273 vaccine and the event myocarditis on an unknown date. The rechallenge was not applicable, as the events were reported exclusively after the second dose and no information on additional dosing is available. The medical history, of Autonomic nervous system imbalance remains a confounder. The benefit-risk relationship of mRNA-1273 vaccine is not affected by this report. This case was linked to MOD-2021-408497 (Patient Link). Sender's Comments: This is a spontaneous case concerning a 58 year-old, female patient with a history of Autonomic nervous system imbalance, who experienced the non-serious unexpected, according CCDS, AESI of Postural orthostatic tachycardia syndrome and non-serious expected, according CCDS, AESI of myocarditis (the patient reported they are investigating for myopericarditis and MRI was performed, results pending). The event Postural orthostatic tachycardia syndrome occurred approximately 1 week after the second dose of mRNA-1273 vaccine and the event myocarditis on an unknown date. The rechallenge was not applicable, as the events were reported exclusively after the second dose and no information on additional dosing is available. The medical history, of Autonomic nervous system imbalance remains a confounder. The benefit-risk relationship of mRNA-1273 vaccine is not affected by this report.</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1978685-1	<p>postural orthostatic tachycardia; booster; This is a spontaneous report received from non-contactable reporter(s) (Physician) from a representative. An adult female patient (unknown if pregnant) received bnt162b2 (BNT162B2), administration date Dec2021 (Batch/Lot number: unknown) as dose 3 (booster), single for covid-19 immunisation. The patient's relevant medical history and concomitant medications were not reported. Vaccination history included: Covid-19 vaccine (Dose Number: 2, Batch/Lot No: Unknown. Not available/provided to reporter at the time of report completion, Manufacturer: Unknown), for Covid-19 immunization; Covid-19 vaccine (Dose Number: 1, Batch/Lot No: Unknown. Not available/provided to reporter at the time of report completion, Manufacturer: Unknown), for Covid-19 immunization. The following information was reported POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (non-serious) with onset Dec2021, outcome recovered; IMMUNISATION (non-serious) with onset Dec2021, outcome recovered. The event postural orthostatic tachycardia was evaluated at the physician office visit. Therapeutic measures were taken as a result of postural orthostatic tachycardia syndrome, immunisation. The lot number for bnt162b2 was not provided and will be requested during follow up. Doctor's office/urgent care was facility type vaccine. Other vaccine in four weeks was unknown. The patient was on low dose beta-blocker and it was feeling much better. AE treatment was beta-blocker. Covid prior vaccination was unknown. Covid tested post vaccination was unknown.</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1979187-1	worsening fatigue, brain fog, orthostatic intolerance, chest pain, SOB/breathlessness, headaches, rashes, pruritus, neuropathy and neuralgia
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1979403-1	I had strong sinus Tachycardia as soon as I got both shots. My heart rate increased few days after the second shot. Few weeks later the second shot, I end up in the ER with a pulse of 182. Investigation a month later found normal heart function. I was diagnosed with POTS and started with propranol. Never had any problems before the vaccine.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1981294-1	Noticed heart palpitations immediately after the shot. 1 week later after 2nd shot noticed shortness of breath. 2 weeks later symptoms became more severe. By 3rd week I could no longer tolerate walking up stairs, drinking coffee, drinking alcohol due to lightheadedness. By the 4th week I had fainted at work with a very high heart rate and inability to stand up anymore. I was sent to hospital where my conditions worsened overnight. By morning I could no longer stand up without my heart rate going to >135 bpm. As I stayed in hospital, my condition worsened each day where I developed extreme sensitivity to movement (heart rate would spike) extreme exhaustion and lost the ability to speak and communicate with others. Doctors diagnosed me with a very severe case of POTS (Postural Orthostatic Tachycardia) Have also experienced dizziness, vitreous floaters, after-image. This makes normal life difficult especially when reading or driving.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1981800-1	On 05/11/2021 by evening I had intense chills, fever rising. The next day I had 103.7, my vision was seriously impaired. I could not read or see anything. 05/12/2021 I went to see my pediatrician. She told me if my fever did not go down by the next day to go to hospital by 05/13/2021, my fever started to break the previous day, but it completely went down on 05/13/2021. Under a week post vaccine, I had slight pain in my wrist and elbow, nerve pain would shoot throughout my forearm. It was in both arms, not just the arm I received my vaccine in. I occasionally get nerve pinches because of my hypermobility. Within 7 days the nerve pain was intense and it stayed that way for over a month. I was unable to use my arms for a month and a half. That settled on its own a month or 2 later. The never pain itself has settled down. My doctors have told me we can't eliminate the possibility that the vaccine triggered it. My health has declined. I was diagnosed with POTS on 09/20/2021. I was having those symptoms several months before that. I do have family members with POTS, but I have never had any symptoms. The symptoms came on suddenly and the doctors are wondering if there was a trigger that set off the symptoms, were the symptoms were so bad and so sudden. I now have a long term health condition. I still don't know if this was caused by the vaccine. My doctors still think it might be a possibility that it was caused by the vaccine. I am still in my current occupation. My arm pain is gone but my arms are just weak now. I did not need accommodations at school prior to the vaccine and I do now.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1984183-1	-Fast and pounding heart rate, tachycardia, palpitations. Up to 140. -Developed POTS, dysautonomia, exercise/heat intolerance, nausea, tinnitus, shortness of breath
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1992484-1	Fatigue, short term memory loss, POTS
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1995334-1	"Syncope; Afib attack; Dizziness; palpitations; awaiting diagnosis for Postural Orthostatic Tachycardia Syndrome (POTS); This is a spontaneous report received from a contactable reporter(s) (Consumer or other non HCP). The reporter is the patient. A 39 year-old male patient received bnt162b2 (BNT162B2), administered in arm left, administration date 05Apr2021 (Lot number: 6206) at the age of 39 years as dose 2, single for covid-19 immunisation. Relevant medical history included: ""Former Afib"" (unspecified if ongoing); ""Sleeve Gastrectomy"" (unspecified if ongoing); ""Gall bladder removed"" (unspecified if ongoing); ""Appendix removed"" (unspecified if ongoing); ""Depression"" (unspecified if ongoing); ""Anxiety"" (unspecified if ongoing). There were no concomitant medications (no other medications in two weeks). Past drug history included: Trazodone, reaction(s): ""Allergy""; Abilify, reaction(s): ""Allergy"". Vaccination history included: Bnt162b2 (DOSE 1, SINGLE, Lot Number:8733, Anatomical Location:Left arm), administration date: 14Mar2021, when the patient was 39 years old, for COVID-19 Immunization. The following information was reported: SYNCOPE (hospitalization, disability, medically significant) with onset 24Apr2021, outcome ""not recovered"", described as ""Syncope""; ATRIAL FIBRILLATION (hospitalization, disability, medically significant) with onset 24Apr2021, outcome ""not recovered"", described as ""Afib attack""; DIZZINESS (hospitalization, disability) with onset 24Apr2021, outcome ""not recovered"", described as ""Dizziness""; PALPITATIONS (hospitalization, disability) with onset 24Apr2021, outcome ""not recovered"", described as ""palpitations""; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (hospitalization, disability) with onset 24Apr2021, outcome ""not recovered"", described as ""awaiting diagnosis for Postural Orthostatic Tachycardia Syndrome (POTS)"". The patient was hospitalized for dizziness, palpitations (hospitalization duration: 3 day(s)); the patient was hospitalized for syncope, atrial fibrillation, postural orthostatic tachycardia syndrome (hospitalization duration: 3 day(s)). The events ""syncope"", ""afib attack"", ""dizziness"", ""palpitations"" and ""awaiting diagnosis for postural orthostatic tachycardia syndrome (pots)"" were evaluated at the physician office visit and emergency room visit. The patient underwent the following laboratory tests and procedures: angiogram: unknown results; echocardiogram: unknown results; magnetic resonance imaging: unknown results; sars-cov-2 test: negative. There was no covid prior vaccination and covid tested post vaccination. Therapeutic measures were taken as a result of syncope, atrial fibrillation, dizziness, palpitations, postural orthostatic tachycardia syndrome. Follow-up attempts are completed. No further information is expected."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1995838-1	Four days after my Moderna COVID booster shot, I began to experience symptoms similar to POTS. The problem started on November 27 with nausea, bloating, fatigue and lightheadedness after yardwork that involved a lot of stooping and standing back up. On December 11, I ended up in the emergency room and Hospital. when my resting blood pressure was 170/120 due to severe nausea Blood testing and an EKG did not show issues with my heart. I had a follow-up appointment with Dr. on December 13. I had an ultrasound to check my gall bladder, but it was clear. I started Cipro on December 17 which helped with bloating and some with the nausea. The POTS symptoms continued to grow worse with time. By December 26, my heart rate when standing was 140 compared to 65 lying down. Simple tasks like goig to the bathroom resulted in severe dizziness and nausea. I lost 15 pounds in one month. Since this time, the POTS symptoms have improved. Today, my heart rate when standing is 105 compared to 65 when lying down. I've gained a couple of pounds back. I have not driven an automobile since December 10th.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1997332-1	Lightheaded, headaches, extreme fatigue, insomnia, exercise intolerance, inability to tolerate heat, excessive sweating, tachycardia, blurry vision, heavy legs and intermittent anxiety starting about 1-2 weeks after 2nd dose of vaccine; and increasing in severity over summer. Diagnosed with POTS via tilt table test from a cardiologist. No history of above symptoms before vaccine. No concomitant infections.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1997538-1	Flu like symptoms with fever, myalgia, fatigue and elevated heart rate, that continues to be present even now. Gradually developed severe symptoms of POTS. Severely decreased cardiac endurance and exercise tolerance. Shortness of breath after short walk or climbing a set of stairs with rapid heart rate response.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	1997784-1	Dizziness, nausea, high heart rate, fainting. I have been diagnosed with Dysautonomia and POTS, I have been doing on going treatment since March and had multiple ER visits. IV hydration 2x a week. Now I have to take a Steriod (Fludrocortisone) everyday to keep my blood volume high. I never had any health conditions or problems before getting my vaccine, I had to quit my dream of being a nurse because I cant stay standing without fainting.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2002069-1	06/26/2021 I was unable to sleep through out the night and about a month later it progressed throughout the day. my heart rate was elevated. anytime I got up my heart rate would go up. I ended up being diagnosed with POTS
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2003156-1	Within 12 hours I developed facial swelling - mostly of the eyes/eyelids that lasted for 3 days. Within 60 hours I had my first bout of what we now believe is POTS though I did not know it at the time - I experienced a sudden onset of feeling as if I was going to pass out with shortness of breath, weakness, tunnel vision and the need to immediately lay down - I went to bed and when I woke I was weak but better. At the 72 hour mark I woke with a rash on my left torso - it receded 2 days later. On 8/13/21 I had my major episode of what we believe it POTS. I was working and it was the first day of my period. At 10:30am I was standing and quickly realized I was going to pass out if I didn't lay down. I was able to leave the room I was in, walk about 5 steps and then had to lay down. I was unable to get up or lift my head for approximately 30 minutes. I had extreme shortness of breath, was profusely sweating, tunnel vision, was barely able to speak, if I tried to sit up or lift my head I would almost pass out again. I was experiencing some menstrual cramping that had begun 10 days earlier which was strange for me as I don't get cramps but the pain level was maybe a 4/10 so it didn't seem as if I was passing out from pain but I wasn't sure. I asked the person with me to get me electrolyte water and advil. 30 min after ingesting I was able to sit up. I was exhausted after wards and went home. About 6 hours later I had another bout of feeling like I was going to pass out - took Advil and drank electrolyte water and it abated. My period was just one day that cycle and was really just clots which is also unusual for me. I reached out to my gynecologist to see if this may be vaccine related and she referred me back to my primary. Once I spoke with my Dr - he stated he believed it was POTS but to have a wait and see approach to see if it clears on its own. He suggested daily electrolyte water and salt. Since then, every cycle I have several bouts of POTS that could begin anywhere from about 9 days prior to my period lasting through cycle day 3. They can vary on their timing but I have found if I drink electrolyte water daily I can keep them from becoming a full episode. I also eat Celtic Sea Salt when I become shaky just to try to prevent an episode.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2006236-1	Immediately after the vaccine , my heart rate spiked. I began to feel nauseous and was shaking. Felt dizzy, felt like I was going to pass out and tongue was numb. I went to the 15-minute waiting area and told the nurse how I was feeling and they gave me a granola bar and water and went home. 1 + hour later went home and I was very tired and out of it. I slept the entire day until the next morning. The next week I was having dizzy spells but okay enough to function. 01/08/2021 I went to bed that evening and we were watching tv and I sat up and felt like something wasn't right. Felt like my body was tingling and felt was like I was going to pass out. Convulsions. HR was at 180 and continued for 5 hours that night. Friend of mine is a NP, so I went to see her and she monitored me, HR finally went down to around 110. Next day, got a couple hours of sleep and it happened all over again. Convulsions were worse. Kept thinking I was about to have a seizure. I was freezing cold and sweating. Heart rate was at 180, throwing up the night before and during the next day. Nervous system was completely discombobulated. 01/09/2021- went to ER at 4pm that Saturday. And I've never experienced these types of symptoms before. There was really nothing else going on until this event. Symptoms were moving around quite a bit, Tachycardia lasted for hours. Lost 20 lbs. in 3 weeks. Couldn't eat, constant adrenaline dumps and surges. Shaking a lot, dizzy spells, almost felt like Vertigo. Tongue would consistently go numb. Neuropathy issues in legs and arms. Episodes of convulsions, couldn't regulate body temp - always cold. Spiked a lot of anxiety, became a bit paranoid and delusional - psychosis - aware of what was happening but I was afraid to be in certain spaces. Severe insomnia, sleep was 2-3 hours a night to the point where my doctor said I had to take something. Put me on Ativan, doubled Fluoxetine dosage. Stayed away from inflammatory foods. Lost lots of weight and went down in sizes in 3 weeks. Constant nausea. Lots of GI issues - 3 days around the time I went to the ER - stool was gray during that time. Ruled all of that out in the ER. Since then, things started to settle down a month later. Went to work. 2 months before I started to feel 50-70% recovered. Doctor basically said they didn't know what it was but I didn't get the 2nd vaccine because nobody knew what was happening to me or what the response was. Was also told to see an Immunologist. Was not an allergic event, something else. Confirmed that he thought I had developed dysautonomia or POTS, was sent to dysautonomia clinic - following up in 5 months. 90% recovered but issues with adrenaline and insomnia and numbness issues and dizzy spells every now and then. Currently on different supplements and doing acupuncture, massages, etc. Flares in August and November. Immunologist advised me to not get the 2nd vaccine until I was under the care of a specialist because he did not know how to manage. Currently waiting. I've been fully vaccinated for all other previous vaccinations in the past, but I've never had a reaction to any vaccine, until this reaction.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2019882-1	After pfizer second dose in March and after booster in Novemeber of 2021 - having tachycardia upon standing and heart rate staying well over 100 for a long time, and increase is over 30-40 beats like POTS - it does come back down in the 80s-90s when setting .
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2025507-1	While I had POTS prior to the vaccine booster, I had a significant POTS flare after receiving the booster. This prevented daily activities as well as being able to travel over the holidays. While I didn't associate it at the time, I think I had a significant flare after my first two doses as I sought treatment for POTS from Dr. as well as a cardiologist.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2027628-1	I've been largely unable to perform basic functions, including cooking, walking around my house, exercising, or working; Difficulty breathing; Chest pain; Difficulty eating; I lay in bed all day/when standing or walking a few feet, had to stay in bed for significant portions of the day; Body Aches;

Symptoms	Vaccine Type	VAERS ID	<p>Nausea, Palpitations, inability to sit up, work/when standing or walking a few feet, had to stay in bed for significant portions of the day; Adverse Event Description</p>
			<p>bed for significant portions of the day; Loss of appetite; Shakiness/shivers; Brain fog; I started to feel fatigue/fatigue; Extreme fatigue; Veryhighfever; Chills/shivers; I tried to stand up to brush my teeth I felt dizzy/I lay in bed all day; Extremely sick; tachycardia; posterior orthostatic tachycardia syndrome; This spontaneous case was reported by a consumer and describes the occurrence of TACHYCARDIA (tachycardia), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (posterior orthostatic tachycardia syndrome), CHEST PAIN (Chest pain), LOSS OF PERSONAL INDEPENDENCE IN DAILY ACTIVITIES (I've been largely unable to perform basic functions, including cooking, walking around my house, exercising, or working) and PALPITATIONS (Palpitations) in a 27-year-old female patient who received mRNA-1273 (Moderna COVID-19 Vaccine) (batch no. 012H21B) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. Previously administered products included for Product used for unknown indication: Pfizer vaccine on 05-Apr-2021 and Pfizer vaccine on 26-Apr-2021. Past adverse reactions to the above products included No adverse event with Pfizer vaccine and Pfizer vaccine. Concurrent medical conditions included Birth control. Concomitant products included LEVONORGESTREL (MIRENA) from 11-Jan-2018 to an unknown date for Birth control. On 27-Nov-2021, the patient received third dose of mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) .25 milliliter. On 27-Nov-2021, the patient experienced TACHYCARDIA (tachycardia), ILLNESS (Extremely sick), DIZZINESS (I tried to stand up to brush my teeth I felt dizzy/I lay in bed all day), PYREXIA (Veryhighfever), CHILLS (Chills/shivers) and FATIGUE (Extreme fatigue). 27-Nov-2021, the patient experienced POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (posterior orthostatic tachycardia syndrome). On 07-Dec-2021, the patient experienced FATIGUE (I started to feel fatigue/fatigue). On 10-Dec-2021, the patient experienced PALPITATIONS (Palpitations), IMPAIRED WORK ABILITY (Inability to sit up, work/when standing or walking a few feet, had to stay in bed for significant portions of the day), DECREASED APPETITE (Loss of appetite), TREMOR (Shakiness/shivers), FEELING ABNORMAL (Brain fog), DYSPHAGIA (Difficulty eating), BEDRIDDEN (I lay in bed all day/when standing or walking a few feet, had to stay in bed for significant portions of the day), MYALGIA (Body Aches) and NAUSEA (Nausea). On 15-Dec-2021, the patient experienced CHEST PAIN (Chest pain) and DYSPNOEA (Difficulty breathing). On an unknown date, the patient experienced LOSS OF PERSONAL INDEPENDENCE IN DAILY ACTIVITIES (I've been largely unable to perform basic functions, including cooking, walking around my house, exercising, or working). The patient was treated with PROPRANOLOL for Adverse event, at a dose of bid. On 28-Nov-2021, ILLNESS (Extremely sick), DIZZINESS (I tried to stand up to brush my teeth I felt dizzy/I lay in bed all day), PYREXIA (Veryhighfever), CHILLS (Chills/shivers) and FATIGUE (Extreme fatigue) had resolved. At the time of the report, TACHYCARDIA (tachycardia), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (posterior orthostatic tachycardia syndrome), PALPITATIONS (Palpitations), FEELING ABNORMAL (Brain fog) and FATIGUE (I started to feel fatigue/fatigue) was resolving, CHEST PAIN (Chest pain), LOSS OF PERSONAL INDEPENDENCE IN DAILY ACTIVITIES (I've been largely unable to perform basic functions, including cooking, walking around my house, exercising, or working), DYSPNOEA (Difficulty breathing) and DYSPHAGIA (Difficulty eating) outcome was unknown, IMPAIRED WORK ABILITY (Inability to sit up, work/when standing or walking a few feet, had to stay in bed for significant portions of the day) and BEDRIDDEN (I lay in bed all day/when standing or walking a few feet, had to stay in bed for significant portions of the day) had not resolved and DECREASED APPETITE (Loss of appetite), TREMOR (Shakiness/shivers), MYALGIA (Body Aches) and NAUSEA (Nausea) had resolved. DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): On 27-Nov-2021, Heart rate: 90-120 (High) resting heart rate was 90-120 and 200 (High) heart rate got up to 200. On 03-Dec-2021, Electrocardiogram: results not reported (Inconclusive) Results not reported EKGs and Holter Monitor showed tachycardia. On 10-Dec-2021, Blood thyroid stimulating hormone: results not reported (Inconclusive) Results not reported. On 10-Dec-2021, Full blood count: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Alanine aminotransferase: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Aspartate aminotransferase: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Blood alkaline phosphatase: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Blood bilirubin: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Blood calcium: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Blood lactic acid: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Blood magnesium: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Blood phosphorus: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Brain natriuretic peptide: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, C-reactive protein: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Chest X-ray: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Differential white blood cell count: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Electrocardiogram: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Fibrin D dimer: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Full blood count: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Lipase: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Red blood cell sedimentation rate: results not reported (Inconclusive) Results not reported. On 13-Dec-2021, Troponin I: results not reported (Inconclusive) Results not reported. On 15-Dec-2021, Blood calcium: results not reported (Inconclusive) Results not reported. On 15-Dec-2021, Blood magnesium: results not reported (Inconclusive) Results not reported. On 15-Dec-2021, Blood phosphorus: results not reported (Inconclusive) Results not reported. On 15-Dec-2021, Differential white blood cell count: results not reported (Inconclusive) Results not reported. On 15-Dec-2021, Electrocardiogram: results not reported (Inconclusive) Results not reported. EKG done twice on 15-DEC-2021.. On 15-Dec-2021, Full blood count: results not reported (Inconclusive) Results not reported. On 15-Dec-2021, SARS-CoV-2 test: results not reported (Inconclusive) Results not reported. On 16-Dec-2021, Electrocardiogram: results not reported (Inconclusive) Results not reported. On 16-Dec-2021, Electrocardiogram ambulatory: results not reported (Inconclusive) Results not reported. 24hrs. On 17-Dec-2021, Blood bicarbonate: results not reported (Inconclusive) Results not reported. On 17-Dec-2021, Blood calcium: results not reported (Inconclusive) Results not reported. On 17-Dec-2021, Blood chloride: results not reported (Inconclusive) Results not reported. On 17-Dec-2021, Blood glucose: results not reported (Inconclusive) Results not reported. On 17-Dec-2021, Blood magnesium: results not reported (Inconclusive) Results not reported. On 17-Dec-2021, Blood phosphorus: results not reported (Inconclusive) Results not reported. On 17-Dec-2021, Blood potassium: results not reported (Inconclusive) Results not reported. On 17-Dec-2021, Blood sodium: results not reported (Inconclusive) Results not reported. On 17-Dec-2021, Blood urea: results not reported (Inconclusive) Results not reported. On 17-Dec-2021, Brain natriuretic peptide: results not reported (Inconclusive) Results not reported. On 17-Dec-2021, C-reactive protein: results not reported (Inconclusive) Results not reported. On 17-Dec-2021, Electrocardiogram: results not reported (Inconclusive) Results not reported. On 17-Dec-2021, Troponin I: results not reported (Inconclusive) Results not reported. On 23-Dec-2021</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
			Echocardiogram: results not reported (Inconclusive) Results not reported. On an unknown date, Blood test: results not reported (Inconclusive) Results not reported. On an unknown date, Cardiac function test: results not reported (Inconclusive) Results not reported. On an unknown date, Chest X-ray: results not reported (Inconclusive) Results not reported. On an unknown date, Electrocardiogram: results not reported (Inconclusive) Results not reported. On an unknown date, Heart rate: 150-200 (High) For first few weeks heart rate was 150-200 and 120-140 (High) Heart rate now is 120-140 when she stands up.. On an unknown date, Myocardial necrosis marker: results not reported (Inconclusive) Results not reported. Patient stated that she went to the ER twice since receiving the Moderna booster vaccine but was not hospitalized. Before receiving the COVID booster, patient exercised 5-7 times a week, worked 40 hours a week, and had no preexisting conditions, resting heart rates during sleep were typically 50-60, heart rates during the day typically 60-85, heart rates while going on a walk typically 100-110, heart rates with running/high intensity exercise typically 145-185. After receiving the booster, patient had been largely unable to perform basic functions, including cooking, walking around my house, exercising, or working. From 28 Nov 2021 to 6 Dec 2021, the heart rates were higher than normal but had no other symptoms and was able to do normal activities. On 10 Dec 2021, patient woke up feeling like been hit by a truck, had very erratic and high heart rates (47-209). Patient stated that symptoms intermittently improved, but 70% of the time continued to feel extremely fatigued with very erratic and high heart rates and symptoms have moderately improved with high salt diet, high fluid intake, and rest. Patient was advised to increase salt intake to 4-5 grams. On 10-DEC-2021 patient was examined for non fasting lipid panel with results not reported. On 13-DEC-2021 and 15-DEC-2021 chemistry panel was done with results not reported. On 17-DEC-2021 creatinine and calculated glomerular was done with results not reported. On 22-DEC-2021 24 hour urine metanephrines and catecholamines was done sults not reported. CC: This case concerns a 27-year-old female patient with no relevant medical history, who experienced the non-serious, unexpected AESI of Postural orthostatic tachycardia syndrome. The event occurred 10 hours after the booster dose of mRNA-1273 vaccine. The benefit-risk relationship of mRNA-1273 vaccine is not affected by this report. Most recent FOLLOW-UP information incorporated above includes: On 03-Jan-2022: Significant follow up, Added patient demographics, laboratory tests and events and concomitant medication details, events onset date for the symptoms updated.; Sender's Comments: This case concerns a 27-year-old female patient with no relevant medical history, who experienced the non-serious, unexpected AESI of Postural orthostatic tachycardia syndrome. The event occurred 10 hours after the booster dose of mRNA-1273 vaccine. The benefit-risk relationship of mRNA-1273 vaccine is not affected by this report.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2038351-1	The day after my vaccination I noticed severe palpitations upon standing to get out of the bath tub. Over the next two weeks I started getting dizzy, and the palpitations became more frequent and consistent. I also developed debilitating fatigue and brain fog. My mid-February, I was mostly bed-bound and not able to return to work even virtually. It was around this time we identified the symptoms as being consistent with POTS, and the official diagnosis came later that summer when I visited the dysautonomia clinic. Nearly one year later, although no longer bed-bound, I am still suffering from daily tachycardia, dizziness, fatigue, brain fog. In order to maintain some degree of function, I follow a daily exercise protocol specifically for POTS patients, must be sure to take in large amounts of electrolytes and fluids every day, I also have tried numerous supplements and nutritional regimens.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2048785-1	Chills, fever, muscle ache, headache, weakness ? Tylenol 1000 mg alternating with ibuprofen 400 mg q 4 hrs, tachycardia hr 130-150 resting with chest palpitations. No SoB or chest pain noted, no adderall taken that day. Elevated hr noted second day with orthostatic tachycardia exacerbated standing. Pulse rate regular, BP 129/93. Tachycardia lasting from second day post vaccination until fourth day for total about 48+ hrs in tachycardia. No treatment was pursued at that time.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2051269-1	TOTS posterioral tachycardia syndrome. My heart was racing in my sleep. My smart watch said my pulse was 196. My blood pressure was fine. I went to the ER. It lasted until about 4:00PM.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2054097-1	Starting the week after the first vaccine I had drastically fluctuating high blood pressures that had previously been controlled and steady, chest pain, nose break out left side, felt something was in my left eye, loss of high-pitched hearing and tinnitus in left eye, POTS symptoms, dizziness. I have experience the POTS, fluctuating blood pressures, headaches and tinnitus over the last year since my vaccine. They are all somewhat better at this point. I have asked two doctors to report this but I doubt that they have due to lack of staffing.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2055723-1	Symptoms started week after first dose, high heart rate, shortness of breath. Feeling tired. Then after the second dose the symptoms got worse. Feeling faint, low blood pressure, shortness of breath could not walk up a flight of stairs, high heart rate. Started seeing a cardiologist and had a treadmill stress test and it was abnormal. My echo was abnormal. Symptoms increased and was hospitalized on 7/29/21-7/31/21 for chest pain and elevated d dimer. Was given heparin. Then discharged. Then readmitted on 8/1/21-8/3/21 and had heart catheterization done. The heart looked ok and now seeing neurologist because they believe the COVID vaccine antibodies caused POTS. Currently seeing pulmonary specialist as well and have been off work on medical leave. I can not focus, fatigued, headache and over all feeling of not being well.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2058973-1	Tachycardia, orthostatic intolerance, Autonomic dysfunction, overactive bladder, Postural Orthostatic Tachycardia Syndrome, presyncope upon standing. Signs of tachycardia and presyncope upon standing started about a week after receiving second dose. Symptoms were intermittent at first and seemed worse around menses. Symptoms began to be persistent everyday after contracting a breakthrough case of Covid-19 on August 27, 2021. Currently being treated with Propanolol 10mg BID and lifestyle changes.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2063879-1	I was at work after lunch. I was feeling fine then felt lightheaded and my heart rate was elevated. I laid down to rest and felt worse after an hour so I asked to have my husband come get me. I sat up to drink some water and felt very ill. I said I didn't feel right and laid down. I wasn't able to move my legs or arms. I could move my hands a little. I couldn't speak, but was able to respond with yes/no for the majority of the time. My coworkers called 911 while working me up in the clinic where I work. I was evaluated and then admitted with a dx of hypotonia and near syncope. I was very weak and couldn't speak or use my hands for several hours. A few after that I could wiggle my toes. I was able to lift my legs after a few more hours, but very weak. I was able get up for the first time before lunch the following day with assistance from a nurse using a walker. I had a headache that wouldn't go away and continued to be very weak. I was discharged from the hospital 4/9/21 and still was not walking on my own. After an extensive work up I was diagnosed with POTS. This does not fully explain all my symptoms from that time, but does explain my current symptoms that are ongoing.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2074471-1	12/27/2021 developed acute onset SOB, tachycardia and dyspnea on exertion. Went to urgent care where EKG demonstrated sinus tach, labs normal aside from mildly elevated d-dimer . Sent to BI ER to r/o PE. CT neg, troponin neg, tele with resting sinus tach., covid/flu/rsv neg. Ruled out for MI and sent home. Symptoms persisted causing me to spend a week on the couch, unable to do anything without exacerbating symptoms. Had echo demonstrated mildly thickened mitral/aortic valve (not clinically significant according to cardiology) repeat troponin and inflammatory markers neg. Second week was able to return to work with a reduced schedule as symptoms were improving but will occurring with activity. Over month sx gradually improved. Saw cardiology, 01/28/2021 who diagnosed me with POTS.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2075572-1	4 days after receiving vaccination heart rate began to elevate, severe migraines, was diagnosed with POTS (Postural Orthostatic Tachycardia Syndrome).
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2079592-1	After the first vaccine I had a rapid heart rate and dizziness for days. I had a fever and extreme fatigue as well. On January 1, 2021 I went for a short hike with my family. When I was done I had a sudden feeling I couldn't breath and chest pain. Every time to tried to take a deep breath in I couldn't. The pain was sharp and hurt more as I inhaled for a deep breath. My heart felt like it was pounding out of my chest. After several minutes I could breath normally again. I should have gone to the hospital but I after it subsided I figured I was ok. I did tell my gynecologist about it that week because I was a little nervous after. I thought it was a PE after thinking about it, but she didn't have any recommendations for me at the time. With the second vaccine I had a 103 fever for over 48 hours. I had swollen lymph node with both vaccines. The second vaccine was in my right arm and ended up having lymph node biopsy. After the second vaccine I had a terrible time with rapid heart rate, dizziness and severe fatigue. There were times I almost fainted at work. I would have to sit down for a while until the dizziness subsided. I later found out that was POTS syndrome from my neurologist. On March 25th my right eye became inflamed and painful. It felt like daggers shooting through my eye. I went to the doctor and was referred to eye specialist. He diagnosed me with uveitis. I was sent to two eye specialists. A retina and glaucoma specialists. My eye pressures were so hight I had to have a trabeculoplasty surgery on both eyes in May. The eye pain and inflammation has persisted since March. I had several bouts of shingles. My headaches got so back with the eye pain I was then referred to a neurologist. They did a brain MRI and lots of blood work. I was also referred to a rheumatologist. The headaches were so bad it felt like my right side of my head would go numb when I sleep on it. My whole right side has neuropathy. This has lasted the whole time. I can barely pick things up with my right hand and I have a right foot drop. I have lost 50 percent of vision in my right eye since the vaccine. I take Neurontin, prednisone, valtrex now since the vaccine.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2082420-1	On 11/15 experienced shortness of breath and high-blood pressure. Saw PCP 11/16. I was put on a beta-blocker and saw a cardiologists. By 11/20 my shortness and pain in my chest was so bad I had to go to urgent care. Went to the ER the same day. Had abnormalities in my chest. I received a dose of aspirin. I was discharged but diagnosed w/ POTS. I had an improvement over the next couple of weeks. On 12/08 during a flight I had to put on oxygen in midair and take to the ER immediately after my flight. I was put on aspirin again which made a massive improvement over the following 3 weeks. I'm still having occasional shortness of breath. I began Eliquis on 2/1. I will be returning to rheumatologist.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2083502-1	Patient received her first felt poorly for weeks after the first Covid 19 vaccine on 3/19/2021.She recovered enough for the second dose. After that she did not recover. Dysautonomia symptoms, chest pain, heart pulpitatibrain, heart rate fluctuating between lower 40s to 160s, shortness of breath and tremors after mild exertion, extreme low blood pressure, fog, swelling of legs when standing, feeling very ill, insomnia, interrupted sleeping pattern, extreme fatigue, Small muscle spasms & sudden reflex sending electric shock waves through body leaving a tingly sensation behind. For months light touch was irritating or painful as this became less of a problem joint pains started.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2087438-1	"lightheadedness/Dizziness; chest pain; disorientation; tachycardia; blood pressure swings; generalized pain; I have had POTS like symptoms; This is a spontaneous report received from contactable reporter(s) (Consumer or other non HCP). The reporter is the patient. A 28 year-old male patient received bnt162b2 (BNT162B2), administered in arm left, administration date 19Apr2021 08:30 (Lot number: EP7533) at the age of 28 years as dose 1, single for covid-19 immunisation. Relevant medical history included: ""Sleep apnoea syndrome"" (unspecified if ongoing). There were no concomitant medications. The following information was reported: DIZZINESS (non-serious) with onset 26Apr2021, outcome ""not recovered"", described as ""lightheadedness/Dizziness""; CHEST PAIN (non-serious) with onset 26Apr2021, outcome ""not recovered"", described as ""chest pain""; DISORIENTATION (non-serious) with onset 26Apr2021, outcome ""not recovered"", described as ""disorientation""; TACHYCARDIA (non-serious) with onset 26Apr2021, outcome ""not recovered"", described as ""tachycardia""; BLOOD PRESSURE ABNORMAL (non-serious) with onset 26Apr2021, outcome ""not recovered"", described as ""blood pressure swings""; PAIN (non-serious) with onset 26Apr2021, outcome ""not recovered"", described as ""generalized pain""; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (non-serious) with onset 26Apr2021, outcome ""not recovered"", described as ""I have had POTS like symptoms"".The events ""lightheadedness/dizziness"", ""chest pain"", ""disorientation"", ""tachycardia"", ""blood pressure swings"", ""generalized pain"" and ""i have had pots like symptoms"" were evaluated at the physician office visit and emergency room visit. Relevant laboratory tests and procedures are available in the appropriate section. Therapeutic measures were not taken as a result of dizziness, chest pain, disorientation, tachycardia, blood pressure abnormal, pain, postural orthostatic tachycardia syndrome. Additional information: The reporter stated that dose 2, information included, Product:COVID 19,Brand: Pfizer,Lot number: EW 0179,Lot unknown: False, Administration date:10May2021,Administration time: 08:00 AM,Dose number: 2,Vaccine location: Left arm.For the past 14 weeks following my vaccination I have had POTS like symptoms. Dizziness, lightheadedness, chest pain, disorientation, tachycardia, blood pressure swings, generalized pain, and more. No history of these issues prior to the vaccine.The patient did not receive any other vaccines within 4 weeks prior to the COVID vaccine.The patient did not receive any other medications within 2 weeks of vaccination.Prior to vaccination,the patient was not diagnosed with COVID-19.Since the vaccination,the patient has been tested for COVID-19. Follow-Up (31Aug2021): Follow-up attempts are completed. No further information is expected. No follow-up attempts are possible. No further information is expected."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2087765-1	The vaccine triggered my POTS symptoms. As a result, I have been experiencing brain fog, dizziness, fatigue, headaches, tachycardia, muscle weakness, occasional slurred speech, and disorientation.

SYNDROME Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2091499-1	Initially very tired, but was fine for a few days, and then I started to develop numbness and tingling in my throat and then numbness and tingling in my arm where the injection site was then it had spread to my left side of my body. I went to medical center and the doctors there laughed at me. After this I went home and I was still having trouble breathing, I started to develop bad panic attacks around January 11. I saw my family doctor she pond it off as panic attacks but then I began seeing stars regularly, muscle weakness in my whole body, shortness of breath, neurological symptoms such as: Brain fog, numbness, tingling, insomnia, headaches, waking up gasping for air, and I have now been diagnosed with pots, my life has been turned up side down. I am now going on a full month of severe symptoms, which symptoms are very similar to that of a blood clot, low oxygen levels, disorientation, and severe anxiety. After my second vaccine all of these symptoms have become more severe, I cannot work, and I cannot function normally. At times I have trouble breathing or as if I stop breathing while trying to fall asleep, this is lead to regular brain fog, delirium and anxiety. I have been referred to cardiology due to my symptoms following vaccination, the next referral will be neurology, I cannot function without being dizzy and near fainting. I regularly see stars and weird splotches in my vision, I feel disconnected from reality to the point by don?t even know who my family or friends are, almost as if all of my short term and now long-term memory are erased. I have a history of auto immune disease and in the past I have had Bell?s palsy which led to a a half paralyzed face. Since vaccination I have been very ill and I am so weak I cannot do my job and I barely leave my house.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2092609-1	Migraine equivalent Visual snow syndrome Migraine without aura and without status migrainosus, not intractable Dysautonomia (HCC) Intractable persistent migraine aura without cerebral infarction and without status migrainosus POTS (postural orthostatic tachycardia syndrome) Adverse effect of COVID-19 vaccine
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2095852-1	Dizziness, Confusion, Disorientation, Memory Loss, Partial Seizures, Insomnia, Head Pressure, Eye Pain, Fatigue, 33 Pound Weight loss, Muscle Twitching, Muscle Loss, Pins and Needles in Hands and Feet, POTS, Heart Palpitations, High Cortisol, GI symptoms.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2098743-1	"The following day after Vaccine #2, I developed left sided chest pain which would come and go. This progressed to an overall uncomfortable tremor feeling, paresthesia and tightness across entire chest followed by head pressure and pain, lightheaded, dizziness, vertigo. On 10/03/2020 I experienced an acute overwhelming event of severe chest pain, loss of bodily functions, severe sudden shortness of breath, severe internal vibration ""like an electric current through out entire body."" Rush of this to head which left me unable to think clearly or speak. Vision extremely blurry and intense tinnitus.. Son called 911. EMS reported B/P was 180/110. Total body with uncontrollable shaking tremors. Emergency doctor treated me and diagnosed me with an adverse sympathetic response to the vaccine. I have since been to ER another time and hospitalized also for same. I am currently being treated for Mast Cell Activation Syndrome, POTS and have received treatment for pericarditis."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2101115-1	He had mast cell activation as well; He has side effect from the vaccine; He had a very bad hyperadrenergic syndrome; My son is having emotional difficulties; He is very sick; This spontaneous case was reported by a consumer and describes the occurrence of MAST CELL ACTIVATION SYNDROME (He had mast cell activation as well) in a male patient of an unknown age who received mRNA-1273 (Moderna COVID-19 Vaccine) (batch no. Unknown) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. Concurrent medical conditions included Mast cell activation syndrome. On an unknown date, the patient received dose of mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) 1 dosage form. On an unknown date, the patient experienced MAST CELL ACTIVATION SYNDROME (He had mast cell activation as well) (seriousness criterion medically significant), VACCINATION COMPLICATION (He has side effect from the vaccine), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (He had a very bad hyperadrenergic syndrome), EMOTIONAL DISTRESS (My son is having emotional difficulties) and ILLNESS (He is very sick). At the time of the report, MAST CELL ACTIVATION SYNDROME (He had mast cell activation as well), VACCINATION COMPLICATION (He has side effect from the vaccine), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (He had a very bad hyperadrenergic syndrome), EMOTIONAL DISTRESS (My son is having emotional difficulties) and ILLNESS (He is very sick) outcome was unknown. The action taken with mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) was unknown. No Concomitant medications were reported. No treatment medications were reported. Caller was looking for information about the excipients of the Moderna COVID-19 vaccine because she and her son suffer from primary mast cell activation (hereditary condition) and have horrible side effects to . She had not received the vaccine because of her condition but that her son received the vaccine without asking her and he developed side effects from it, he was new to the condition and had a very bad hyperadrenergic syndrome) and mast cell activation as well. Caller did not give consent for follow up with Safety team, she stated her son was having emotional difficulties and was very sick. Company comment: This is a spontaneous case concerning a male patient of an unknown age with medical history of primary mast cell activation (hereditary condition) and have horrible side effects to , who experienced the serious, unexpected, event of Mast cell activation syndrome and other non-serious events such as Postural orthostatic tachycardia syndrome) among others. The events occurred on an unknown date. The patient received a dose of mRNA-1273 vaccine on an unknown date. The mentioned medical history remains a confounder. The benefit-risk relationship of mRNA-1273 vaccine is not affected by this report.; Sender's Comments: This is a spontaneous case concerning a male patient of an unknown age with medical history of primary mast cell activation (hereditary condition) and have horrible side effects to PEG, who experienced the serious, unexpected, event of Mast cell activation syndrome and other non-serious events such as Postural orthostatic tachycardia syndrome) among others. The events occurred on an unknown date. The patient received a dose of mRNA-1273 vaccine on an unknown date. The mentioned medical history remains a confounder. The benefit-risk relationship of mRNA-1273 vaccine is not affected by this report.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2101656-1	Within a day developed chest pain, tightness, heaviness, palpitations. Progressed over time. Repeated ER visits. Later diagnosed with Postural Orthostatic Tachycardia Syndrome. Am now completely bedridden.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2109076-1	"Worst relapse of ME/CFS I've ever had in 18 years. Have been bed bound since, never returned to baseline.; Worst relapse of ME/CFS I've ever had in 18 years. Have been bed bound since, never returned to baseline.; Worst relapse of ME/CFS I've ever had in 18 years. Have been bed bound since, never returned to baseline.; vertigo; dysautonomia; POTS; MCAS; menstrual cycle changes; This is a spontaneous report received from a contactable reporter(s) (Consumer or other non HCP). The reporter is the patient. A 48 year-old female patient (not pregnant) received bnt162b2 (BNT162B2), administered in arm left, administration date 13Apr2021 15:00 (Lot number: EW0169) at the age of 48 years as dose 1, single for covid-19 immunisation. Relevant medical history included: ""ME/CFS"" (unspecified if ongoing); ""ME/CFS"" (unspecified if ongoing); ""Fibromyalgia"" (unspecified if ongoing); ""PCOS"" (unspecified if ongoing); ""Sleep apnea"" (unspecified if ongoing). Concomitant medication(s) included: METFORMIN ER; GABAPENTIN; VENLAFAXINE XR; LAMICTAL. Past drug history included: Septra, reaction(s): ""Known allergies:Septra"". The following information was reported: CHRONIC FATIGUE SYNDROME (disability), POST VIRAL FATIGUE SYNDROME (disability), DISEASE RECURRENCE (disability) all with onset 13Apr2021 18:00, outcome ""not recovered"" and all described as ""Worst relapse of ME/CFS I've ever had in 18 years. Have been bed bound since, never returned to baseline.""; VERTIGO (disability) with onset 13Apr2021 18:00, outcome ""not recovered"", described as ""vertigo""; AUTONOMIC NERVOUS SYSTEM IMBALANCE (disability) with onset 13Apr2021 18:00, outcome ""not recovered"", described as ""dysautonomia""; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (disability) with onset 13Apr2021 18:00, outcome ""not recovered"", described as ""POTS""; MAST CELL ACTIVATION SYNDROME (disability) with onset 13Apr2021 18:00, outcome ""not recovered"", described as ""MCAS""; MENSTRUAL DISORDER (disability) with onset 13Apr2021 18:00, outcome ""not recovered"", described as ""menstrual cycle changes"". The events ""worst relapse of me/cfs i've ever had in 18 years. have been bed bound since, never returned to baseline."" , ""vertigo"" , ""dysautonomia"" , ""pots"" , ""mcas"" and ""menstrual cycle changes"" were evaluated at the physician office visit. The patient underwent the following laboratory tests and procedures: sars-cov-2 test: (14Jan2022) negative, notes: Blood test; (10Dec2021) negative, notes: Nasal Swab. Therapeutic measures (MCAS labs, Valtrex, Claritin, Pepcid AC, Benadryl) were taken as a result of chronic fatigue syndrome, post viral fatigue syndrome, disease recurrence, vertigo, autonomic nervous system imbalance, postural orthostatic tachycardia syndrome, mast cell activation syndrome, menstrual disorder. No follow-up attempts are possible. No further information is expected."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2109653-1	? Immediately after vaccine: arm soreness ? 10-14 days after vaccine: flu-like feeling ? headache, sore throat fatigue, resolved after ~a week ? July 31, 2021: Severe headache of new type (48 hours) followed by a week of severe dizziness, both of which confined patient to couch for most of this period ? From then: Gradually increasing symptoms of ME/CFS: Severe, new fatigue; dyspnea; exercise intolerance; post-exertional malaise; orthostatic intolerance/POTS; brain fog; dramatically reduced function (5-15% of previous function) Worsening post-booster No symptoms or positive tests for Covid, very limited exposure due to limited function
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2109657-1	Immediately after vaccine: arm soreness ? 10-14 days after vaccine: flu-like feeling ? headache, sore throat, fatigue, resolved after ~a week ? July 8, 2021: Headache, dizziness, nausea, shaking upon exertion ? From then: Gradually increasing symptoms of ME/CFS: Severe fatigue; dyspnea; exercise intolerance; postexertional malaise; orthostatic intolerance/POTS; poor temperature regulation; worsened brain fog; trouble focusing eyes; dramatically reduced life function (tried part-time schooling Fall 2021, dropped out of school September 2021 due to severity of symptoms) No symptoms or positive tests for Covid
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2118998-1	Two days after the shot, I felt pain in my neck, occipital region and lower back (which lasted about seven days), was very anxious, and cried easily which is very unusual for me. Two days later, my calf hurt and I looked down to see a 3? x 1? bruise on the inside of my calf (for no reason). The following day, I noticed shooting pains and tingles throughout my legs. I could feel the blood coursing through my veins. I woke up several nights with intense vibration in my chest, drenched in sweat also odd for me. I can be just relaxed and sitting and see twitches in my calf, ankle, thigh ? very unnerving. Although it has mellowed, the vibration, twitching and pains in my legs are still happening. Have POTS.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2130103-1	The symptoms began after the second dose of the Moderna vaccine. I experienced a fever in of nearly 104 degrees, which lasted for about 36 hours. I was too weak to move from bed until about 48 hours after the vaccination. Beginning 2 days after vaccination once I could move again, I started to experience episodes of periodic profound fatigue, usually lasting only a day or two at a time, usually following minor exertion (such as gardening, paddle boarding, painting, for example). Then, about 2 months after the 2nd dose, I suddenly became much worse. The fatigue became constant, and I could no longer stand without becoming dizzy and my heart feeling like it would beat out of my chest. Even driving was too much, as blood would pool in my arms and legs. I had recurring headaches, digestive problems that came out of nowhere. These symptoms started to get better in August, very gradually. I was diagnosed with POTS in September after tilt table test. I received a Pfizer booster in October at the recommendation of my cardiologist, who believed that covid posed a greater risk than the side effects from the vaccine. The symptoms again worsened.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2131251-1	Acute Onset Dysautonomia (POTS), Acute onset Bradycardia, Fainting, Tremors, Blurred Vision, Confusion, Nausea Unable to stand up without a severe blood pressure drop, unable to walk to the bathroom or shower without getting light headed and passing out. Unable to leave bed without assistance, had to withdraw from college for the semester (Doctor ordered medical leave) Basically, his life has been ruined, he is mostly bed-ridden. He is only 21 years old, a college student who just got engaged. His cardiologist said it was triggered by the vaccine. No improvement to date.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2131403-1	Patient began to have episodes of tachycardia, vertigo, dyspnea, and presyncope. Heart rate went to 170 bpm with chest pain. Patient went to ER 3 days later with worsening symptoms and inability to deal with the side effects of the vaccine. He went to the local university where he is employed in the ER and was unable to work. An EKG was abnormal showing ST elevation, Q waves, possible infarct, tachycardia supraventricular tachycardia, and symptoms of autonomic dysautonomia POTS. He developed numbness on the left side of his body into his jaw and face and pursing of his lip and contraction of his facial muscles and began to pass out. He was given IV Ativan and fluids and other tests were performed. His co2 level was low, creatinine was elevated, monocytes were highly elevated, PT/INR level was high normal. and lactic acid elevated. He was observed until heart rate lowered and was sent home to follow up with primary.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2137264-1	<p>Patient was healthy and well until she received the J&J vaccine May 5, 2021. No immediate reactions were noted until May 17, 2021 when she noted edema of her legs L>R. She actively run 5 and 10 K races without dyspnea or pain at the time and denied leg pain. One May 25, she came home for a medical exam; Edema was noted but no heart, lung abnormalities were found or leg tenderness was absent. A Doppler sonogram of the legs and MRI of the knees were normal. In late July, 2021 Patient experienced auditory, taste and visual hallucinations. She seemed agitated and talked incessantly. She expressed delusional ideation to her parents when she visited them August 1-5, 2021. To her mother, a Child Neurologist, she appeared confused, anxious, with a severe tachycardia, dilated pupils, warm erythematous extremities and sweaty palms. In a local ER she had a normal Brain CT, TSH, Lyme, CBC and CMP. She expressed fear that her family might harm her. She was transported to a larger Hospital. During the trip she experienced frequent urination without dysuria, anorexia. She described early satiety and described a prior seven days of eating only flavored water. Complaints of thirst with habitual water drinking and polyuria occurred in late July and continued into her September psych hospitalization but would resolve when tests at the hospital required prolonged fasting. She developed constipation going 7-10 days with no bowel movement. During a 7 day hospitalization she was grossly psychotic. These episodes markedly worsened with in 15-45 minutes of eating a meal. Grossly feculent breath was noted after many meals but seemed to clear a 4-5 hours. In addition she demonstrated severe and recurrent postural tachycardia, incompletely improved by IV saline? c/w Potts syndrome. 48 hour cardiac monitor revealed recurrent sinus tachycardia. Head MRI, CXR, CMP, CBCd, EEG, Chest and Abd CT, and lumbar puncture were normal. Multiple CNS markers for limbic encephalitis were absent. Attempts at longer term psychiatric hospitalization failed due to unavailable beds for admission. After multiple threats of self harm and continued paranoid ideation she was admitted to The Retreat at Shepard-Pratt Psychiatric Hospital. She was given Seroquel but became angry and irritable. It was discontinued after 8 days. A prior Lactulose Breath Test returned very positive and c/w small bowel bacterial overgrowth. This prompted the start of Xifaxin 550 mgm tid. Simultaneously, a she was started on Lithium carbonate 300 mgm bid after a diagnosis of bipolar disorder manic type was made by multiple Psychiatry consultants. Within 48 hours of these two therapies, her affect and ideation returned to normal. No further hallucinations were noted. She expressed clear awareness of her prior hallucinations and faulty ideation. Xifaxin was tapered to daily in November and stopped completely by 02/01/2022. Bid Lithium carbonate continues yielding low therapeutic blood levels of Lithium. Several consultants believe that Patient developed a dysautonomia of the autonomic nervous system, i.e., Gillian-Barre dysautonomia (Pott's Syndrome, gastroparesis, small bowel bacterial overgrowth, hypomotility of the small and large bowel, and peripheral sympathetic dystrophy) and early limbic encephalitis with psychosis, manic type and that this followed the J&J vaccine. She remains clinically normal except for recurrent asymmetric edema. of the L lower extremity.</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2151657-1	<p>Sore throat, hordeolum, early menstrual cramping outside of normal cycle, postural orthostatic tachycardia syndrome upon sitting and standing (POTS), contracted COVID for the first time in between first and second doses of COVID-19 Pfizer vaccine, sore nipples, inflammation of breasts and uterus, migraine, fatigue, brain fog, missed period, late period, heavy period, long duration of period, epistaxis, chronic systemic inflammation.</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2155110-1	<p>I work as a nurse, I was at work when I started having palpitations and felt lightheaded. I was unable to complete my shift. I went to the ER. They were unable to bring my heart and blood pressure down. I was admitted. Hospital was unable to diagnosis me. I then went to Dr of cardiology. I was diagnosed with POTS which has been debilitating for me. i missed several days of work and still continue to suffer from it. I was placed on steroids which then caused severe esophagitis. I was told that was the only treatment option for me. I still have POTS and can now no longer be treated. I also suffer from tinnitus and abnormal periods now. I have not reported this sooner, because I was told several times by my PCP and cardiologist, that there was no link between the COVID vaccine and POTS. I have since then read the documents Pfizer was mandated to release, which now shows POTS as an adverse reaction. It has not only impacted my physical well being but I am also at risk to lose my job. The state has mandated the booster for healthcare workers. Despite all of the research I have to support my claims, no physician will sign my exemption form. Overall I would say that it has impacted not only my physical health ,but my mental health. I am being forced to choose between risking my health further or keeping a job that I love.</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2160790-1	<p>Dermatographia; Her heart rate is ok when sitting but abnormal when she stands up.; Legs would look purple and blotchy and it has progressed to the arms; Rash came back after 2nd dose; legs and arms ache/She can't do anything because pain gets worse with activity/Palms and feet sting; skin change colors, Legs would look purple and blotchy and it has progressed to the arms; Patient had ribcage pain; she still has burning sensation; She also had bruising flares are often; Small muscle twitches; She felt the blood going to her feet when standing up; she doesn't feel dizzy but she feels like rocking on a boat; Fatigue comes and goes; petechiae; Chest pain/ even though she had chest pain the cardiology tests came back normal; She was diagnosed with Postural orthostatic syndrome in mid October.; This spontaneous case was reported by a consumer and describes the occurrence of PETECHIAE (petechiae), CHEST PAIN (Chest pain/ even though she had chest pain the cardiology tests came back normal), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (She was diagnosed with Postural orthostatic syndrome in mid October.), MECHANICAL URTICARIA (Dermatographia), HEART RATE ABNORMAL (Her heart rate is ok when sitting but abnormal when she stands up.), RASH MACULAR (Legs would look purple and blotchy and it has progressed to the arms), RASH (Rash came back after 2nd dose), PAIN (legs and arms ache/She can't do anything because pain gets worse with activity/Palms and feet sting) and SKIN DISCOLOURATION (skin change colors, Legs would look purple and blotchy and it has progressed to the arms) in a 34-year-old female patient who received mRNA-1273 (Moderna COVID-19 Vaccine) (batch no. 027D21A) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. The patient's past medical history included Insomnia and Fatigue. Concurrent medical conditions included Penicillin allergy. On 16-Aug-2021, the patient received second dose of mRNA-1273 (Moderna COVID-19 Vaccine) (Intramuscular) 1 dosage form. In October 2021, the patient experienced POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (She was diagnosed with Postural orthostatic syndrome in mid October.) (seriousness criterion medically significant). On an unknown date, the patient experienced PETECHIAE (petechiae) (seriousness criterion medically significant), CHEST PAIN (Chest pain/ even though she had chest pain the cardiology tests came back normal) (seriousness criterion medically significant), MECHANICAL URTICARIA (Dermatographia) (seriousness criterion medically significant), HEART RATE ABNORMAL (Her heart rate is ok when sitting but abnormal when she stands up.) (seriousness criterion medically significant), RASH MACULAR (Legs would look purple and blotchy and it has progressed to the arms) (seriousness criterion medically significant), RASH (Rash came back after 2nd dose)</p>

Symptoms	Vaccine Type	VAERS ID	(seriousness criterion medically significant), PAIN (legs and arms ache/She can't do anything Adverse Event Description)
			<p>because pain gets worse with activity/Palms and feet sting) (seriousness criterion medically significant), SKIN DISCOLOURATION (skin change colors, Legs would look purple and blotchy and it has progressed to the arms) (seriousness criterion medically significant), MUSCULOSKELETAL CHEST PAIN (Patient had ribcage pain), BURNING SENSATION (she still has burning sensation), CONTUSION (She also had bruising flares are often), MUSCLE TWITCHING (Small muscle twitches), SENSATION OF BLOOD FLOW (She felt the blood going to her feet when standing up), MALAISE (she doesn't feel dizzy but she feels like rocking on a boat) and FATIGUE (Fatigue comes and goes). The patient was treated with PROPRANOLOL for Postural orthostatic tachycardia syndrome and Tachycardia, at an unspecified dose and frequency. At the time of the report, PETECHIAE (petechiae), CHEST PAIN (Chest pain/ even though she had chest pain the cardiology tests came back normal), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (She was diagnosed with Postural orthostatic syndrome in mid October.), MECHANICAL URTICARIA (Dermatographia), HEART RATE ABNORMAL (Her heart rate is ok when sitting but abnormal when she stands up.), RASH MACULAR (Legs would look purple and blotchy and it has progressed to the arms), RASH (Rash came back after 2nd dose), SKIN DISCOLOURATION (skin change colors, Legs would look purple and blotchy and it has progressed to the arms), MUSCLE TWITCHING (Small muscle twitches), SENSATION OF BLOOD FLOW (She felt the blood going to her feet when standing up) and MALAISE (she doesn't feel dizzy but she feels like rocking on a boat) outcome was unknown, PAIN (legs and arms ache/She can't do anything because pain gets worse with activity/Palms and feet sting), CONTUSION (She also had bruising flares are often) and FATIGUE (Fatigue comes and goes) had not resolved and MUSCULOSKELETAL CHEST PAIN (Patient had ribcage pain) and BURNING SENSATION (she still has burning sensation) was resolving.</p> <p>DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): On an unknown date, Heart rate: abnormal (abnormal) abnormal. On an unknown date, Laboratory test: normal (normal) Normal. On an unknown date, Platelet count: normal (normal) platelet levels were fine. Patient had seen a great number of specialists but the lab work was normal. The patient never had COVID + test or diagnosis. Patient had taken a T cell test, a nucleocapsid and PCR test to rule out COVID. The patient the aching of legs and arms, skin changes colors, legs would look purple and blotchy and it has progressed in the arms, that was not there initially. The patient had to go to Urgent care, for the first symptoms and the petechia, she followed up with primary care doctor, and was referred to a neurologist, cardiologist and dermatologist but no one has helped her and the tests have come out normal. The patient did receive other vaccines within 1 month prior to Moderna Covid-19 vaccine. The AE cause patient to seek urgent care and patient had been referred to several specialists (Cardiologist, Neurologist, Dermatologist). The AE outcome some are ongoing some have improved. Concomitant medications were not reported. Company comment:This spontaneous case concerns a 34 year old female patient with no relevant medical history reported, who experienced the Serious (Medically significant) , unexpected, AESI event of Postural Otthostatic tachycardia syndrome which she occurred approximately 1.5 months post vaccination with the 2nd dose of mRNA -1273 vaccine On an unknown date this patient experienced, Serious , unexpected events of petechiae , pain, chest pain, mechanical urticaria , heart rate abnormal , rash macular, skin discoloration and rash . This case was accompanied by other non-serious unexpected events of malaise , musculo-skeletal chest pain , burning sensation , contusion muscle twitching , sensation of blood flow and non-serious expected event of fatigue. The patient had pain of legs and arms, skin changes colors, legs would look purple and blotchy and it has progressed in the arms. The patient had to go to Urgent care, for the first symptoms and also because of the petechiae , she followed up with primary care doctor, and was referred to a neurologist, cardiologist and dermatologist but there was no improvement and the tests have all come out normal. The patient never had COVID + test or diagnosis. Patient had taken a T cell test, a nucleocapsid and PCR test to rule out COVID.Treatment information was not reported (but in the product tab included Propanolol was specified as treatment drug for tachycardia and POTS) including the specific laboratories/diagnostic procedures and the results .It was mentioned that the rash recurred after the 2nd dose of mRNA-1273 which was initially experienced after the 1st dose hence for this event it may be assessed as a positive re-challenge. At the time of this report the events of burning sensation and musculo-skeletal chest pain are resolving while the other reported events are unresolved. The benefit -risk relationship of mRNA -1273 (Moderna Covid 19 Vaccine) is not affected by this report. This case was linked to MOD-2022-493999 (Patient Link).; Sender's Comments: This spontaneous case concerns a 34 year old female patient with no relevant medical history reported, who experienced the Serious (Medically significant) , unexpected, AESI event of Postural Otthostatic tachycardia syndrome which she occurred approximately 1.5 months post vaccination with the 2nd dose of mRNA -1273 vaccine On an unknown date this patient experienced, Serious , unexpected events of petechiae , pain, chest pain, mechanical urticaria , heart rate abnormal , rash macular, skin discoloration and rash . This case was accompanied by other non-serious unexpected events of malaise , musculo-skeletal chest pain , burning sensation , contusion muscle twitching , sensation of blood flow and non-serious expected event of fatigue. The patient had pain of legs and arms, skin changes colors, legs would look purple and blotchy and it has progressed in the arms. The patient had to go to Urgent care, for the first symptoms and also because of the petechiae , she followed up with primary care doctor, and was referred to a neurologist, cardiologist and dermatologist but there was no improvement and the tests have all come out normal. The patient never had COVID + test or diagnosis. Patient had taken a T cell test, a nucleocapsid and PCR test to rule out COVID.Treatment information was not reported (but in the product tab included Propanolol was specified as treatment drug for tachycardia and POTS) including the specific laboratories/diagnostic procedures and the results .It was mentioned that the rash recurred after the 2nd dose of mRNA-1273 which was initially experienced after the 1st dose hence for this event it may be assessed as a positive re-challenge. At the time of this report the events of burning sensation and musculo-skeletal chest pain are resolving while the other reported events are unresolved. The benefit -risk relationship of mRNA -1273 (Moderna Covid 19 Vaccine) is not affected by this report.</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2170938-1	<p>Following the vaccine I had a fever of 104.3. My temp stayed the same for a while and over the next month I had random fevers. I started getting what felt like brain zaps on the left side of my head. The skin on the left side of the roof of my mouth was peeling off so I went to urgent care. They prescribed me with liquid lidocaine and a paste to go on the area to allow it to heal. That took about a week and a half to heal. My heart rate was also elevated at random times and this is still continuing. I am currently wearing a heart monitor. I was diagnosed with POTS (Postural orthopedic tachycardia syndrome). Also, I now sweat so much in my sleep that the medical grade tape for my heart monitor comes off every night and my bed is soaked. Upon further testing my doctor believes I have hyper adrenal POTS. I am currently taking salt tablet and heart medication (metoprolol).</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2171086-1	After each vaccine I experienced mild flushing of the chest, neck and face for about 30 min after the vaccine. Once it resolved, they cleared me to go. 12 hours later, I developed a fever of 101, body chills, extreme nausea, diarrhea, headache and other flu-like symptoms. I was extremely fatigued to the point where I was unable to get up and ended up being in bed for about 3 days. It increased my POTS symptoms (heart palpitations, dizziness and presyncope). I called the doctor to see if I should be taking medicine or not to treat the symptoms and I was told to treat my symptoms as if I was in a POTS flare (fluids, tylenol and legs elevated above heart). Also, I was told to continue the normal medicine regimen and to take the cannabis as needed. The fatigue and body aches lasted for a full week. The fever only lasted for about a few days.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2173614-1	About 15 minutes after the shot I had a wave of dizziness and felt like I was going to pass out. When I got home, I felt incredibly dizzy, worried I would lose consciousness, and like I was having some sort of allergic reaction. This faded within a few hours, at which point I started having the expected flu-like symptoms from the shot. These flu like symptoms lasted weeks instead of days. Then, since getting my 2nd Covid shot, I have never felt back to normal or back to 100% health like I was before vaccination. During these 5 months after the shot I have had 4 allergic reactions (two of which required medical assistance, and one required steroids), and have had a few infections (bronchitis, colds, and covid). It feels like my body and immune system became very sensitive after the shot, and I have had an infection or allergic reaction every 2-3 weeks since the shots, and this was not the case before. I had very strong health for the year and a half leading up to the shot with no infections and no allergic reactions. Today, I am left with constant exhaustion, and a feeling that CFS, POTS, and MCAS as been reactivated starting with the shot. I have not had a single day where I have felt good after the shot.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2179420-1	"Re-emergence of dysautonomia/POTS symptoms.; Re-emergence of dysautonomia/POTS symptoms.; This is a spontaneous report received from a contactable reporter(s) (Consumer or other non-HCP). The reporter is the patient. A 36-year-old female patient (not pregnant) received bnt162b2 (BNT162B2), administered in arm left, administration date 28Oct2021 (Lot number: 320308D) at the age of 36 years as dose 3 (booster), single for covid-19 immunisation; influenza vaccine (INFLUENZA), administration date 28Oct2021 (Batch/Lot number: unknown) as dose number unknown, single. Relevant medical history included: ""Crohn's disease"" (unspecified if ongoing), notes: I have crohn's disease; ""Interchange of vaccine products"" (unspecified if ongoing). Family history included: ""Dysautonomia/POTS symptoms."" (Unspecified if ongoing), notes: -Originally dx at age 17 with POTS but have not had tachycardia or needed medication for it in the last 10 years., -My sister developed a severe case of dysautonomia/ POTS.; ""Autoimmune Issues"" (unspecified if ongoing), notes: Have family history of autoimmune issues. Concomitant medication(s) included: APRISO; WELLBUTRIN; LOESTRIN; VIT D [COLECALCIFEROL]. Vaccination history included: Moderna (Dose Number: 2, Batch/Lot No: 007M20A), administration date: 29Jan2021, when the patient was 35 years old, for COVID-19 Immunization; Moderna (Dose Number: 1, Batch/Lot No: 037K20A), administration date: 01Jan2021, when the patient was 35 years old, for COVID-19 Immunization. The following information was reported: AUTONOMIC NERVOUS SYSTEM IMBALANCE (non-serious), POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (non-serious) all with onset 04Nov2021, outcome ""not recovered"" and all described as ""Re-emergence of dysautonomia/POTS symptoms."" Therapeutic measures were not taken as a result of autonomic nervous system imbalance, postural orthostatic tachycardia syndrome. Additional information: Seriousness criteria was no according Results in death, not Life threatening, did not Caused/prolonged no hospitalization, no Disabling/Incapacitating, no Congenital anomaly/birth defect. the patient did not receive any other vaccines within 4 weeks prior to the COVID vaccine. Reported Event: Re-emergence of dysautonomia/POTS symptoms. Originally dx at age 17 with POTS but have not had tachycardia or needed medication for it in the last 10 years. Began having symptoms again shortly after booster. Has not resolved. Have family history of autoimmune issues. I have Crohn's disease. My sister developed a severe case of dysautonomia/ POTS in Apr after completing Moderna vaccines. My other sister has a history of Guillain-Barre. No Known allergies. Prior to vaccination, the patient did not diagnose with COVID-19. Since the vaccination, the patient did not get tested for COVID-19. Follow-up attempts are completed. No further information is expected."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2182027-1	"right sided weakness; Patient also reported severe dizziness with 1st dose of vaccine.prolonged hypoglycemia; developed POTS (diagnosed by clinician); This is a spontaneous report received from a contactable reporter(s) (Pharmacist). An adult female patient received bnt162b2 (BNT162B2) (Batch/Lot number: unknown) as dose 1, single for covid-19 immunisation. Relevant medical history included: (unspecified if ongoing); ""inflammatory bowel disease"" (unspecified if ongoing). The patient's concomitant medications were not reported. The following information was reported: ASTHENIA (non-serious), outcome ""not recovered"", described as ""right sided weakness""; DIZZINESS (non-serious), outcome ""not recovered"", described as ""Patient also reported severe dizziness with 1st dose of vaccine.""; HYPOGLYCAEMIA (non-serious), outcome ""not recovered"", described as ""prolonged hypoglycemia""; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (non-serious), outcome ""not recovered"", described as ""developed POTS (diagnosed by clinician)"". The events ""right sided weakness"", ""patient also reported severe dizziness with 1st dose of vaccine."" , ""prolonged hypoglycemia"" and ""developed pots (diagnosed by clinician)"" were evaluated at the physician office visit and emergency room visit. Relevant laboratory tests and procedures are available in the appropriate section. Therapeutic measures were taken as a result of asthenia, dizziness, hypoglycaemia, postural orthostatic tachycardia syndrome. Additional Information : other vaccine in four weeks: Unknown . Ae resulted in: Doctor or other healthcare professional office/clinic visit, Emergency room/department or urgent care. Patient did not received covid prior vaccination. Known allergies: unknown The lot number for bnt162b2 was not provided and will be requested during follow up."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2184735-1	Cardiovascular disease ultimately consistent with development of hyperadrenergic POTS disease
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2187610-1	I now have POTS (autonomic dysfunction) as a result of the vaccine. They told me it was anxiety and I was fine. I went to a cardiologist to confirm that something was wrong and have been unable to work for 6 months. I just started working again as a registered nurse but the pain, weakness, and vertigo stays with me everyday. I think my days as a registered nurse may be numbered.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2198739-1	"Began having symptoms of disautonomia 5 days post vaccine. Symptoms included: dizziness, vertigo, SOB, heart palpitations, tachycardia, tachycardia upon standing, panic episodes, feeling faint, slow visual processing, visual ""floaters"", fatigue, brain fog. Has gotten progressively worse since then, and was recently diagnosed with postural orthostatic tachycardia syndrome and was advised to report to CDC by primary care doctor."

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2200494-1	"right sided weakness; prolonged hypoglycemia; developed POTS (diagnosed by clinician); This is a spontaneous report received from a contactable reporter(s) (Pharmacist). An adult female patient received bnt162b2 (BNT162B2) (Batch/Lot number: unknown) as dose 3 (booster), single and (Batch/Lot number: unknown) as dose 2, single for covid-19 immunisation. Relevant medical history included: ""ehlers danlos"" (unspecified if ongoing), notes: Ehlers danlos; ""inflammatory bowel disease"" (unspecified if ongoing), notes: Inflammatory bowel disease. The patient's concomitant medications were not reported. Vaccination history included: Bnt162b2 (Dose 1, Batch lot number unknown.), for Covid-19 immunization, reaction(s): ""severe dizziness with 1st dose of vaccine"". The following information was reported: ASTHENIA (non-serious), outcome ""not recovered"", described as ""right sided weakness""; HYPOGLYCAEMIA (non-serious), outcome ""not recovered"", described as ""prolonged hypoglycemia""; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (non-serious), outcome ""not recovered"", described as ""developed POTS (diagnosed by clinician)"". The events ""right sided weakness"", ""prolonged hypoglycemia"" and ""developed pots (diagnosed by clinician)"" were evaluated at the physician office visit and emergency room visit. Relevant laboratory tests and procedures are available in the appropriate section. Therapeutic measures were taken as a result of asthenia, hypoglycaemia, postural orthostatic tachycardia syndrome. Additional information: The patient had no Covid-19 prior vaccination. The patient has tested covid post vaccination. If the patient had any Known allergies was unknown. It was unknown if the patient had any other vaccine in four weeks. No follow-up attempts are possible; information about lot/batch number cannot be obtained. No further information is expected."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2211339-1	I started having severe hives that are persistent. I still have them. I have seen several dermatologists and my primary doctor. Allergy medications have not helped. It started 8 days after the vaccine. I believe that it was caused by the vaccine. I have been on Claritin 10mg since it started. My doctor still wanted me to get my second shot so she put on a bunch of allergy meds preventatively for that. I switched to Zyrtec in July 2021 and it did not help. I had huge painful nodules that would show up on my hands. I switched back to Claritin after that. The vaccine also made my POTS go crazy and I was unable to stand up for a few days. My heart rate was so fast. I saw another Dermatologist Dr. I saw another dermatologist on 02/24/2022. He stated me on prednisone but it made my heart rate raise. I could only take it for two days. He will start me on a new medication soon called Xolair.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2213229-1	On April 9th: I got the Covid Johnson & Johnson covid vaccine About a week later I suddenly got sick (after eating an unwashed apple?) Nausea, diarrhea, no fever, pain in my gut, and bloating. Ringing in my ears. Generally not feeling well at all and this came on very suddenly. April 22, I got desperate and went to ER where they did bloodwork and an abdominal CT scan, which showed only normal findings. Follow up with my primary at that time on April 23. He thought I had got these GI issues from eating an unwashed apple and symptoms were from toxins from a bacterial infection and it would resolve on its own soon. Which it never did. I did tell him I had just gotten the covid vaccine on April 9th I went to the ER again on April 27 because I was no better. They did blood work again, which again they said was normal. They put me on phenergan (which is an antihistamine) and this is the only medication that has given me some relief but I can't be on this at work. I also requested a stool series from Dr., all of which was negative. I made an appointment with a gastroenterologist office and saw his PA on April 29. He really did nothing for me except to say it would pass and he thought it could be intestinal Covid. He sent me for a covid test but it came back negative and there was no way for testing for Covid in the GI tract. I mentioned that I felt I may have had covid in the past because I had direct contact several times but tested negative each time. My mother had a severe case of double pneumonia covid and actually tested negative three times while being admitted to a local Hospital and only tested positive with some type of specialized covid test. He put me on Omeprazole 20 mg and Miralax, which I can no longer take and also continued me on Phenergan 12.5 mg. On May 7th I went to the clinic locally, They did another Covid test and also stated my symptoms could be covid related but, again, it came back negative. On May 8th I was so desperate for some type of relief and some answers that I went to the [local Hospital ER, where they did more blood work and a complete abdominal CT scan with IV and Oral contrast which showed only normal findings. Again, they prescribed phenergan 25 mg and Reglan 10 mg. and suggested I have an endoscope done. At every ER visit I went to at the onset of my issues after the J&J covid vaccine, I told them at each ER visit that this all started shortly after my Covid vaccine and that I was perfectly healthy before getting the shot and have been healthy my whole life. Had an endoscopy by Dr. on May 12 with somewhat normal findings. It showed Esophagitis, Grade A and mild gastritis. There was some other finding on biopsy but he didn't write it down or give me the report at my follow up visit on May 24 and just stated the I had a clean bill of health from the endoscopy. He did not see any reason to have a colonoscopy at this time. On May 22, out of desperation, I had 5 amoxicillin from another issue at another time left over at 500 mg and I started to take them. after the 2nd day, I started feeling somewhat better. I again saw PA at Dr.'s office on May 24th. Again, he would not actually listen to my concerns on how I was feeling and that it was going on for so long. I did get him to put me on a course of Amoxicillin but that was only because I had a reactive band on my Lyme test. My major issue at this time is the fact that I keep having to call into work because of my stomach issues. I try to eat as much as my stomach will tolerate but have lost a significant amount of. weight over this. My anxiety is high because no one is giving me any diagnosis or solutions. Phenergan seems to be the only medication that helps but I can not work while taking it. I also started on Benadryl every day, which did help. was on it for many months. On May 28 I went to the clinic again because of my anxiety issue and not being able to sleep. If I'm at work and have issues from driving bucket truck and have to take a phenergan, I can't work for the rest of the day. It seemed like the Phenergan was making me lightheaded and no longer helped me sleep. I saw a NP, that day. He was extremely helpful and explained that Phenergan could actually be making me more anxious. He also explained gastritis and what he was planning to put me on and why. I saw my new primary for the first time on June 1 and have been seeing her at first bi-weekly and then every month for this whole duration, and she has been filing my paperwork for short term disability through my employer. I never thought that I would need either of them because I have always been healthy or got or things easily and didn't need to take sick time or vacation time for things like I'm going through now and I have blown through all my vacation and sick days from the onset of this illness in mid April. I have lost over 25 lbs and continue with GI problems, ringing of my ears, dizziness, lightheadedness, brain fog, headaches, neck pain, etc. My primary also did my referral to the clinic in hopes that they could further help me with medications that she would not be able to prescribe for me but maybe they could because they were a research hospital. Scheduled appointment for colonoscopy on June 9th. Did Miralax and Ducolax prep and all clear liquid day before as ordered and it went well and stool was just clear liquid. Day of colonoscopy went well until after I woke up. I had a sharp mid lower abdominal pain that I did not have when coming in for the colonoscopy, and doctor stated he could not complete the colonoscopy due to incomplete prep. Said it would have to be rescheduled in about 2 to 3 weeks with a different prep but would have to see if that

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			<p>kind of prep could be gotten by then. I asked him about the sharp pain I was having and all he said was that it wasn't from the colonoscopy. Needless to say, I was angry and did not like his attitude about the pain I was experiencing. He never even asked me where the pain was and how it felt. For the rest of the day of the colonoscopy, I was nauseated, stomach pain, and continued with diarrhea, lightheadedness, and the stationary sharp abdominal pain. The day after the colonoscopy (June 10th), the hospital called me to see how I was doing. I told them about the pain I was having and the nurse told me to call Dr.'s office, which I did and left a message. (This was early morning). When I didn't hear back from his office, I again called and talked to the receptionist and left another message that I would like to hear back before office hours ended at 6:00. PA never called back until 6:30 that evening. When I told him the nurse at the hospital asked me to talk to his office about this sharp stationary abdominal pain he wanted to pass it off as gas. I told him it wasn't gas, that it was sharp and stationary, and I could feel it when gas and/or stool passed by that area. He put me on hold and went to talk to Dr. When PA got back on the phone, he told me to go to the ER and he would call them and ask that they do a CT scan with contrast. So off to the ER for the scan and more blood work, which is enclosed with this note) Didn't get out of there till 10:30. By now I'm really upset but was told there was no perforation but still had pain. All I had asked of Dr. was if things got a bit rough and the pain would go away in a day or so!!! Next day after the CT scan with IV contrast (Friday June 11th) (this is the 2nd time of getting IV contrast and also had oral contrast 2 times before this scan) I had itchy rash on my feet and inside both my upper thighs, nausea, headache, and musculoskeletal neck pain, along with increased anxiety, loose stool, and increase of unsettled stomach. So I believe that it is a reaction to the contrast. It was like I was right back to day one of this problem. On Saturday June 12th, still had the rash, abdominal pain was better, headache was much less, neck pain was gone, but still lightheaded, still had stool that looked like diarrhea with Miralax, stomach still unsettled (worse in the mornings) Sunday June 13, still have the rash, still lightheaded, still mostly loose stool, stomach unsettled, especially in the mornings until I eat something, and will get some nausea, gas, and bloating. Monday June 14, still have the rash but almost gone, still lightheaded, stool a bit better, and stomach is still the same but better than when this all first started. I have not had any phenergan. Last night, around 9:30 when I went to bed, I started to have musculoskeletal pain again but in my left elbow (something like the neck pain I had). It lasted about 3 hours and then was gone. I have read the this can be from late iodine contrast reaction along with a lot of the other symptoms I have, such as the headache, skin rash, itching, nausea, dizziness, musculoskeletal pain, and gastrointestinal upset.: August 26th I was seen by Dr. at the clinic locally. He did a bilateral nerve block in my neck, which did help my left side neck and head pain but it did eventually return. From what I have read and learned about these Covid reactions, my pain is caused by inflammation and swelling of the brain stem. I had my echocardiogram (ordered from Dr.) on 9/9 and findings were normal. On 9/14 I had an MRI of my brain, ordered by Dr., at the hospital, checking for inflammation. It was normal. I have been seen at Dr.s office twice a week for follow up on my neck with ultrasound therapy to help with nerve inflammation/headaches. This was Drs recommendation and it will continue for several more weeks. I have been seeing him continually since the onset of my problem. I had a Virtual appointment on Sunday 9/26 with another Dr. regarding my symptoms and he concurred that this is most likely due to covid vaccine causing and autoimmune issue. He will be ordering and administrating ozone infusion therapy each week (starting today)9/30 was my first infusion.I had a total of 10 ozone IV therapy sessions over a 10 week period. Dr. (neurologist) ordered a prednisone titration pack to help with my inflammation but I couldn't start it yet because of the NVG testing and bloodwork I am having this morning so hoping to start it this weekend. I'm hoping to be able to be put on Hydroxychloroquine and/or Ivermectin as per the protocol to treat these symptoms per the attached document which should neutralize the spike Protein from the vaccine. Dr. wanted to try the Prednisone taper first and clinic will not issue me Ivermectin and/or Hydroxycloquin for this. I have my appointment with the longhauers/vaccine adverse reaction clinic on October 12 at 2:00. I am so hopeful that the doctor there will be able to give us more answers as how to neutralize this spike protein from the Covid vaccine. Didn't happen, their hands are tied when it comes to discussions regarding Covid vaccine adverse reactions. I have been doing about the same. My headaches are starting to come back since my nerve block and steroid injection but not quite as bad as it was before the procedure. I'm still off, as in headache - dizziness - stomach unsettled, etc. (especially in the mornings) I find it hard when traveling to morning appointments because it usually makes me quite nauseated. I still am not driving because of this and the dizziness. And, I have extreme sound sensitivity along with tinnitus. I am still on 12.5mg of Benadryl at night along with several supplements to help with my issues in my gut and my head. These supplements are all in line with protocols for autoimmune reactions from the vaccine that Dr. has recommended and protocols from researching the internet. I have had an echocardiogram recently, which was normal. I have had two. medical professionals now tell me that this is most likely an autoimmune response from the J&J covid vaccine. I have not been able to return to work since June and was working only off and on before that because I would feel so ill at work, so I used up my sick and vacation time. I have had an VGN test ordered by my primary and it showed mild hearing loss and she referred me to an ENT doctor, who studied my ears and my brain MRI and can't explain hearing loss except that, since getting the J&J covid vaccine, my ears are constantly ringing. My brain MRI, ordered by Dr in neurology at the clinic, was normal and the ENT doctor said it showed the nerves in my ears quite well and he saw no damage or inflammation there. Had tilt table done and diagnosed with POTS. Another Doctor I see weekly is trying to figure out exactly where this inflammation from the vaccine is located that caused the POTS diagnosis. I feel that these ozone treatments are helping but not sure yet. I'm still having my same issues. Ringing of my ears, headaches (although headaches are better at times), still have stomach issues off and on, my heart rate is still elevated and goes quite high at times, my blood pressure still fluctuates anywhere from 114/64 to 134/90 (my normal is 120/80) and my heart rates run high (resting is at high 80s to low 90s but raises significantly when I stand up and/or move around. Will spike up to 140 and above. Also becoming quite sound sensitive and is worse when my head, left sided, pressure and pain, along with neck pain and ringing of my ears is worse. I have been in contact with many forums who are experiencing my same symptoms and the neck and head issues are always on left side and is a result from brain stem inflammation and swelling. With all the Doctors having their hands tied and not being able to freely discuss covid vaccine adverse reactions and prescribe certain medications that they feel may help without losing their jobs, I feel at a loss. I'm just so frustrated and disappointed in my experience at the clinic. From the very beginning of my issues right after having the covid vaccine, with all the ER visits, weekly and monthly appointment with my primary doctor, all the blood work, testing, etc. no one seems to be able to help or openly discuss the issues I'm going through. I have to wait long periods of time to get in to see specialists and to get testing done. I have got more information and protocols of what has caused this reaction to the J&J vaccine, what is going on in my body as a result, some medications, such as Ivermectin, to help with my issues, and what to do with my</p>

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			<p>POTS diagnosis all on medical websites documentations of covid vaccine adverse reactions and injuries. I just don't understand how the politics of the current administration and the pharmaceutical industry can completely shut down all the evidence of these catastrophic reactions and ban the medical professions from this important information and viable medications that can help, not only with adverse reactions but with patients that actually have covid, and they are sent home with no medications such as Ivermectin or Hydroxicloriquin and many who subsequently die because of it. The most devastating thing that has come from 9 months of a reaction to a vaccine that should have been pulled from the market, and has completely devastated my life and career, is the fact that the medical professionals have given me no hope and no sound treatment plan because the CDC, this governmental administration, etc. has shut all information and research down. I also am scheduled to have testing at the clinic on January 31 2022 (ordered by Dr.) and an appointment with Dr. at the clinic on February 1st 2022. He is a specialist dealing with POTS and related symptoms caused by Covid 19 and Covid vaccines. My POTS symptoms are well documented by 1000's of people that are having these same reactions after receiving the Covid vaccine, along with the GI problems, headaches and neck pain (always on the left side), dizziness, brain fog, etc. Did have my testing done at clinic. Dr. did state that he's seen my symptoms in other patients after getting Covid vaccine. He put me on a medication to stabilize my heart rate and blood pressure but I could not tolerate it. All he had to offer after that was online classes to educate myself on POTS. What a waste. Another visit where doctors don't know how to treat us with vaccine injuries or can't because of political reasons. When I do find a treatment that could help me looking at the county protocols for Covid vaccine injury, I can't get the medication that might help because my insurance will not pay because it is off label use according to the FDA. You would think in cases like mine that my doctor can try different drugs without the government's interference. I have even purchased a hyperbaric oxygen chamber to use on a daily basis to help get me back to normal. As of April 2022, it is now almost one year since I was struck down after getting the J&J covid-19 vaccine. I am slowly getting better but still not back to my health normal self. I have started back to work on light duty but, if I can not get over this and back to doing my full job capabilities, I can be fired. I just don't know why the FDA and federal government can't just admit that this can happen to people after getting the covid vaccine and why they can't compensate us. I have filed for compensation, over 25000.00 that it has cost me so far, but from what I'm hearing and reading, I might not receive anything. In closing, April of 2021 forever destroyed my life after getting the covid vaccine and yet no one is being held accountable for it or even acknowledging the hundreds of thousands of us who are suffering from it. Procedures done since this start in April 2021: 4/22/21: ER visit local Hospital with cat scan and blood work. Normal findings 4/27/21: ER visit local Hospital No abnormal findings. (I have had blood work done on at least 10 occasions since onset) I have had at least 4 or 5 Covid tests since onset - all negative 5/8/21: ER 2nd Hospital with full work up, blood work, and CT scans, no findings 5/12/21 Esophago-gastro-duodenoscopy at 3rd facility outpatient surgery, no significant findings 6/4/21: Full abdominal ultrasound at 3rd facility, Normal 6/9/21: Incomplete Colonoscopy, no findings 8/26/21: Dr. at clinic, Greater Occipital Nerve Block bilaterally performed with some relief that eventually wore off. 9/9/21: Echocardiogram at 3rd facility Hospital, Normal 9/14/21: Brain MRI done at 3rd facility Hospital, Normal 9/30/21: VNG testing at hearing specialist: mild hearing loss 10/14/21: Followup from VNG test with ENT Dr., tested hearing, reviewed MRI of brain, addressing hearing loss and Tinnitus. No findings. 10/21/21: Chest X-ray and NM Lung Ventilation and Perfusion Nuclear Scan, normal 10/27/21: Tilt Table Test, POTS diagnosis Three months of Ozone IV therapy, 10 Sessions 12/14/21: Cardiologist appt: EKG Diagnosis POTS 12/30/21: PFTs 3rd facility Hospital: 02/01/22: Testing and appointment with Dr. at Clinic. March 2022: hyperbaric oxygen therapy 5 days a week and continuing indefinitely. Physicians and Hospitals I have been treated at: 1st facility 2nd facility 3rd facility 4th facility 5th facility 6th facility 7th facility 8th facility 9th facility 10th facility 10th facility 11th facility 12th facility Current medications: Low Dose Naltrexone 4.5 mg a day Corlanor 5 mg a day (Ivabradine) Fluvoxamine 25 mg twice a day Propranolol 20mg as needed to lower heart rate Ivermectin 15mg once a week Medications that were ordered and have been stopped: Gabapentin Sertraline Ondansetron ODT Promethazine Hydroxyzine Metoclopramide Buspirone Amoxicillin Sucralfate These are all prescription medication. Also I am on many supplements and have been on even more that were discontinued</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2213478-1	<p>- Intermittent tachycardia and heart palpitations, gradually building to intense chest pains lasting for months and severe bouts of tachycardia (sudden resting heart rate of 140-150 BPM) lasting for several hours at a time, resulting in cardiology POTS diagnosis - Blood pressure instability - Persistent dizziness, lightheadedness, spacial disorientation, and vertigo - Neuropathy (numbness and tingling in extremities) - Blurry and double vision - Nausea and heartburn - Rapid drop in ferretin and sex hormone levels - Insomnia / jolting awake at night</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2215615-1	<p>"passing out; fainting; new sudden onset of a cardiac problem; POTS syndrome; tingling and numbness in my arm; tingling and numbness in my arm; some heart palpitations; fast heart rates / HR alarm would go off detecting abnormally high heart rates over 100 bpm at rest and without activity; This is a spontaneous report received from a contactable reporter(s) (Other HCP). The reporter is the patient. A 24 year-old female patient (not pregnant) received bnt162b2 (BNT162B2), intramuscular, administered in arm left, administration date 29Apr2021 (Lot number: EW0158) at the age of 23 years as dose 2, single for covid-19 immunisation. Relevant medical history included: ""chronic migraines"" (unspecified if ongoing), notes: chronic migraines. cleft lip and pallet; ""cleft lip and pallet"" (unspecified if ongoing). The patient's concomitant medications were not reported. Vaccination history included: Bnt162b2 (Dose Number: 1, Batch/Lot No: EW0158, Location of injection: Arm Left, Route of Administration: Intramuscular), administration date: 07Apr2021, when the patient was 23 years old, for COVID-19 Immunization. The following information was reported: LOSS OF CONSCIOUSNESS (disability, medically significant) with onset Jan2022, outcome ""not recovered"", described as ""passing out""; SYNCOPE (disability, medically significant) with onset Jan2022, outcome ""not recovered"", described as ""fainting""; PARAESTHESIA (disability), HYPOAESTHESIA (disability) all with onset May2021, outcome ""not recovered"" and all described as ""tingling and numbness in my arm""; PALPITATIONS (disability) with onset May2021, outcome ""not recovered"", described as ""some heart palpitations""; HEART RATE INCREASED (disability) with onset May2021, outcome ""not recovered"", described as ""fast heart rates / HR alarm would go off detecting abnormally high heart rates over 100 bpm at rest and without activity""; CARDIAC DISORDER (disability) with onset 2022, outcome ""not recovered"", described as ""new sudden onset of a cardiac problem""; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (disability) with onset 2022, outcome ""not recovered"", described as ""POTS syndrome"". The events ""passing out"", ""fainting"", ""tingling and numbness in my arm"", ""tingling and numbness in my arm"", ""some heart palpitations"", ""fast heart rates / hr alarm would go off detecting abnormally high heart rates over 100 bpm at rest and without activity"", ""new sudden onset of a cardiac problem"" and ""pots syndrome"" were evaluated at the physician office visit. The patient underwent the following laboratory tests and procedures: heart rate: (May2021) over 100 bpm, notes: over 100 bpm at rest and without activity; sars-cov-2 test: (Dec2021) negative, notes: covid test type post vaccination= Nasal Swab; (Jan2022) positive, notes: covid test type post vaccination= Nasal Swab. It was unknown if therapeutic measures were taken as a result of loss of consciousness, syncope, paraesthesia, hypoaesthesia, palpitations, heart rate increased, cardiac disorder, postural orthostatic tachycardia syndrome. Clinical information: The patient did not receive any other vaccines within 4 weeks prior to the COVID vaccine. After the covid vaccine she began to feel tingling and numbness in her arm. and some heart palpitations/fast heart rates. she wearied a heart rate monitoring watch for exercise and never had issues before the vaccine. after the vaccine she began noticed her HR alarm would go off detecting abnormally high heart rates over 100 bpm at rest and without activity. She didn't think much of it and learned to live with it. She got sick with covid at the end of December and in January she started passing out and fainting. Went to her PCP, who sent him to a neurologist, who now sent her to a cardiologist where they had confirmed she had a new sudden onset of a cardiac problem. She had a lot more testing to confirm a final diagnosis, but they believe she had POTS syndrome now. her family has no history of cardiac related issues, and she was a perfectly healthy individual before the vaccine. Prior to vaccination, the patient was not diagnosed with COVID-19. Since the vaccination, the patient has not been tested for COVID-19. No COVID prior vaccination. No follow-up attempts are possible. No further information is expected.; Sender's Comments: Based on the current available limited information in the case provided, the causal association between the events and the use of suspect product BNT162B2 cannot be fully excluded. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to regulatory authorities, Ethics Committees, and Investigators, as appropriate."</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2219733-1	<p>fainting episodes; POTS/pulse would go from 90-200; This spontaneous case was reported by a physician and describes the occurrence of SYNCOPE (fainting episodes) in an adult patient of an unknown gender who received mRNA-1273 (Spikevax) for COVID-19 vaccination. The occurrence of additional non-serious events is detailed below. No Medical History information was reported. On an unknown date, the patient received dose of mRNA-1273 (Spikevax) (unknown route) 1 dosage form. On an unknown date, the patient experienced SYNCOPE (fainting episodes) (seriousness criterion medically significant) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS/pulse would go from 90-200). At the time of the report, SYNCOPE (fainting episodes) outcome was unknown and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS/pulse would go from 90-200) had not resolved. DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): On an unknown date, Heart rate: 90-200 (High) 90-200. The action taken with mRNA-1273 (Spikevax) (Unknown) was unknown. For mRNA-1273 (Spikevax) (Unknown), the reporter did not provide any causality assessments. No concomitant medications was reported. Reporter said they developed POTS and she treated them with IV fluids and have not fully recovered. She was not specific as to who but stated in general that their pulse would go from 90-200 and had fainting episodes at varying times. Company Comment : This spontaneous case reported by a physician concerns an adult patient of unknown age and gender, with no medical history reported, who experienced the unexpected serious (medically significant) event of syncope and the unexpected, non serious adverse events of special interest, Postural Orthostatic Tachycardia syndrome (POTS), that occurred on an unknown date after receiving a dose of mRNA-1273 Vaccine on an unknown date. No concomitant medications was reported. Postural Orthostatic Tachycardia syndrome was treated with IV fluids and the physician reported that that the patient's pulse would go from 90-200 and had fainting episodes at varying times. Outcome of syncope was unknown and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) had not resolved. The benefit-risk relationship of mRNA-1273 Vaccine is not affected by this report. This case was linked to MOD-2022-531875 (Patient Link).; Sender's Comments: This spontaneous case reported by a physician concerns an adult patient of unknown age and gender, with no medical history reported, who experienced the unexpected serious (medically significant) event of syncope and the unexpected, non serious adverse events of special interest, Postural Orthostatic Tachycardia syndrome (POTS), that occurred on an unknown date after receiving a dose of mRNA-1273 Vaccine on an unknown date. No concomitant medications was reported. Postural Orthostatic Tachycardia syndrome was treated with IV fluids and the physician reported that that the patient's pulse would go from 90-200 and had fainting episodes at varying times. Outcome of syncope was unknown and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) had not resolved. The benefit-risk relationship of mRNA-1273 Vaccine is not affected by this report.</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
<p>POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME</p>	<p>COVID19 VACCINE (COVID19)</p>	<p>2236506-1</p>	<p>Diagnosis: POTS with associated low cardiac output, low systemic vascular resistance, excessive venous pooling, reduced blood flow to brain, impaired cognition, vagal dysfunction and moderate sympathetic failure. Likely Mast Cell Disorder. ME-CFS. Peripheral paresthesia (possible sudomotor small fiber neuropathy.) Autoimmune response to vaccination. Was completely healthy prior to vaccination Onset of symptoms: Approximately April 13-17 2021: HSV1 blister (unusual for patient, ongoing through Jan, 2022. Additional 6-7 outbreaks) End of May 2021: Polymorphous light eruption rash (never had before) Early June 2021: onset of debilitating fatigue and brain fog, episodes of near syncope, heat intolerance (never had before, ongoing) August 10, 2021: onset of urgent diarrhea (lasts 6 weeks) August 20, 2021: onset of peripheral paresthesia (never had before, starts in feet and lower legs, quickly spreads to upper legs, hands and full arms, accompanied by internal vibrations. Ongoing with flares.) Initial work-up at primary care negative. September 2021- mid October 2021: weakness in legs, cramping, difficulty walking (ongoing with flares) Nothing found in initial neuro exam. MRI of brain and spine negative. Found positive IgG antibody to Ehrlichia. Treated presumptively with 7 days of doxycycline late September. Some improvement of symptoms in early October, now believed to be due to cooling of weather. Mid to late October, 2021: Symptoms return. Treated with second course of doxycycline. Does not improve. Post-treatment IgG reveals no increase in antibodies. Second neuro exam. Orders additional labs including paraneoplastic panel. All negative. Late October-November, 2021: vertigo, dizziness, neck stiffness, heart palpitations, lightheadedness, constipation, vascular throbbing, tinnitus (both pulsatile and tonal), constipation, venous pooling, vascular instability, shortness of breath on exertion, tachycardia, shortness of breath bending down, exercise intolerance (all never had before, all ongoing) Could not complete EMG as it was too painful. Initial Rheumatological work-up. Notes reddening of feet. Orders Avisa antibody panel. Negative, but for positive ANA 1:160. Audiological exam negative. Late November -early December, 2021 Given course of oral prednisone. Experiences remission/improvement of many symptoms. Cardio workup. Holter monitor, echocardiogram, EKG all negative. Work-up by Infectious Diseases, all negative but for elevated CRP, EBV AB which are inconclusive. December 2021: Purchases at home blood pressure cuff, reports heart rate elevations of over 30 bpm at home ?poor man's tilt. Confirmed by orthostatic bp in physician's office. Autonomic testing is ordered. EMG and nerve biopsy completed. Negative. Late December 2021 through January 2022: Experiences flare, possible reaction to contrast agent for MRA which was negative. Tinnitus becomes unbearably loud. Peripheral paresthesia returns. Experiences new allergies, skin rashes, certain foods, pain in hips, pain around rib cage, abdominal pain. Begins work-up for MCAS. Second course of oral prednisone improves symptoms as does initiation of H1 and H2 blockers. Mid Feb- late March 2022: Immunology diagnoses likely Mast Cell Disorder continues H1 and H2 blockers. Begins PT for presumptive POTS, autonomic dysfunction. Improvement of many symptoms. Undergoes extensive autonomic testing. POTS diagnosis is positive with tilt table test. ?POTS with associated low cardiac output, low systemic vascular resistance, excessive venous pooling.? Testing also indicates reduced blood flow to brain, possible cognitive impairment, possible autonomic neuropathy, vagal dysfunction, and moderate sympathetic failure. Late March 2022- present (4/15/2022) Flare of symptoms after travel. Increased peripheral paresthesia which spreads to trunk (upper back and buttocks), internal vibrations, pain in hips, worsening venous pooling, orthostatic intolerance, very elevated heart rate upon standing, extreme fatigue and brain fog, loudening tinnitus, throbbing vasculature, pulsatile tinnitus with postural shifts, heart palpitations, shortness of breath on exertion. Started on course of prednisone 4/12/2022</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2237933-1	"platelets caused the blood clots; hair loss; fever; My daily headaches were sharp and intense; tinnitus; blurry vision; light sensitivity/managed light cooking and dishes by sitting in a chair; noise and activity intolerance exercise intolerance/noise and activity caused over stimulation; poor endurance; could not sleep/insomnia; brain fog; inability to focus/concentrate; poor short term memory; head congestion; burning and tingling hands/feet; chest vibrations/tremors inside my chest/felt like a cell phone that I couldn't turn off; adrenaline dumps; weight loss; POTS (Postural orthostatic tachycardia syndrome); burning and tingling hands/feet; muscle weakness; diarrhea; raised my heart rate to 140 simply by standing up; breathless; blood vessel inflammation; fatigue; abnormal platelet activation; This is a spontaneous report received from contactable reporter(s) (Physician and Nurse). A 62-year-old female patient received BNT162b2 (BNT162B2), as dose 2, single (Batch/Lot number: unknown) for covid-19 immunisation. The patient's relevant medical history and concomitant medications were not reported. Vaccination history included: Covid-19 vaccine (Dose: 1, Unknown manufacturer.), for COVID-19 Immunization. The following information was reported: THROMBOSIS (medically significant), outcome ""unknown"", described as ""platelets caused the blood clots""; ALOPECIA (non-serious), outcome ""unknown"", described as ""hair loss""; PYREXIA (non-serious), outcome ""unknown"", described as ""fever""; HEADACHE (non-serious), outcome ""not recovered"", described as ""My daily headaches were sharp and intense""; TINNITUS (non-serious), outcome ""unknown""; VISION BLURRED (non-serious), outcome ""unknown"", described as ""blurry vision""; PHOTOPHOBIA (non-serious), outcome ""unknown"", described as ""light sensitivity/managed light cooking and dishes by sitting in a chair""; HYPERACUSIS (non-serious), outcome ""unknown"", described as ""noise and activity intolerance exercise intolerance/noise and activity caused over stimulation""; EXERCISE TOLERANCE DECREASED (non-serious), outcome ""unknown"", described as ""poor endurance""; INSOMNIA (non-serious), outcome ""unknown"", described as ""could not sleep/insomnia""; FEELING ABNORMAL (non-serious), outcome ""unknown"", described as ""brain fog""; DISTURBANCE IN ATTENTION (non-serious), outcome ""unknown"", described as ""inability to focus/concentrate""; MEMORY IMPAIRMENT (non-serious), outcome ""unknown"", described as ""poor short term memory""; UPPER RESPIRATORY TRACT CONGESTION (non-serious), outcome ""unknown"", described as ""head congestion""; PARAESTHESIA (non-serious), BURNING SENSATION (non-serious), outcome ""unknown"" and all described as ""burning and tingling hands/feet""; CHEST DISCOMFORT (non-serious), outcome ""unknown"", described as ""chest vibrations/tremors inside my chest/felt like a cell phone that I couldn't turn off""; ADRENAL DISORDER (non-serious), outcome ""unknown"", described as ""adrenaline dumps""; WEIGHT DECREASED (non-serious), outcome ""unknown"", described as ""weight loss""; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (non-serious), outcome ""unknown"", described as ""POTS (Postural orthostatic tachycardia syndrome)""; MUSCULAR WEAKNESS (non-serious), outcome ""unknown"", described as ""muscle weakness""; DIARRHOEA (non-serious), outcome ""unknown"", described as ""diarrhea""; HEART RATE INCREASED (non-serious), outcome ""unknown"", described as ""raised my heart rate to 140 simply by standing up""; DYSPNOEA (non-serious), outcome ""unknown"", described as ""breathless""; VASCULITIS (non-serious), outcome ""unknown"", described as ""blood vessel inflammation""; FATIGUE (non-serious), outcome ""unknown""; PLATELET DISORDER (non-serious), outcome ""unknown"", described as ""abnormal platelet activation"". The events ""platelets caused the blood clots"", ""hair loss"", ""fever"", ""my daily headaches were sharp and intense"", ""tinnitus"", ""blurry vision"", ""light sensitivity/managed light cooking and dishes by sitting in a chair"", ""noise and activity intolerance exercise intolerance/noise and activity caused over stimulation"", ""poor endurance"", ""could not sleep/insomnia"", ""brain fog"", ""inability to focus/concentrate"", ""poor short term memory"", ""head congestion"", ""burning and tingling hands/feet"", ""chest vibrations/tremors inside my chest/felt like a cell phone that i couldn't turn off"", ""adrenaline dumps"", ""weight loss"", ""pots (postural orthostatic tachycardia syndrome)"", ""muscle weakness"", ""diarrhea"", ""raised my heart rate to 140 simply by standing up"", ""breathless"", ""blood vessel inflammation"", ""fatigue"" and ""abnormal platelet activation"" required physician office visit. The patient underwent the following laboratory tests and procedures: Blood test: blood vessel inflammation and abnormal platelet, notes: activation; Heart rate: 140, notes: symptoms raised my heart rate to 140; Weight: Loss. Therapeutic measures were taken as a result of headache. The information on the batch/lot number for BNT162b2 has been requested and will be submitted if and when received. Follow up (06Apr2022): This is a follow-up spontaneous report received from non-contactable physician and Nurse (patient). Updated information included: New reporter in slider#2 and slider#3 updated, Patient name, gender, age reported, historical vaccine, all lab data, suspect information included dose number reported and events added. case updated as serious.; Sender's Comments: Based on the current available limited information in the case provided, the causal association between the events and the use of suspect product BNT162B2 cannot be fully excluded. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to regulatory authorities, Ethics Committees, and Investigators, as appropriate."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2239558-1	Tinnitus worsened substantially a few months after getting the 2nd Pfizer vaccine. Additional symptoms included. Peripheral neuropathy, elevated blood pressure spikes, constant headaches and what seemed like POTS (Postural orthostatic tachycardia syndrome. In August 2021 I joined the covid clinic and was referred to a neurologist, endocrinologist, rheumatologist, a Physical therapist, and cardiologist. Separately I visited two ENTs. 2nd one did MRI to rule out brain tumor. Visited two audiologists to get base line hearing tests. Now am being treated with TRT (Tinnitus retraining therapy) with a hearing aid. Have been taking 1.5mg Ativan daily since Aug 2021 due to anxiety from tinnitus. Have done acupuncture with no benefits. I have been seeing a physical therapist to see if TMJ could be culprit of the tinnitus but no benefits. I did a full heart stress test with my cardiologist which came back with a healthy heart. Both my Neurologist and Rheumatologist believe my symptoms are due to the vaccine or long covid. All of my symptoms have gone away except for the tinnitus which I still suffer from 24/7 today. Also my I have tested positive for Rheumatoid arthritis antibodies, however, have no physical symptoms.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2240962-1	"Arm weakness noticed in June while doing pizza deliveries, during summer 2021 had feelings of static and ""surges"" of electricity in my brain. Started noticing fatigue, brain fog, and constant breathlessness early September, and by early October I had to drop out of college and was fired because my symptoms made me inefficient at work, and the brain fog/fatigue made it nearly impossible to focus on my studies. Noticed dizzy spells in late October and at this point was feeling numbness/tingling in my extremities and discoloration of my hands and feet. In January the insides of my body and brain started to feel like they were on fire, and still experience all of these symptoms at the time of writing this."

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2241027-1	I woke up one day and started to feel chest pain and tightness that continued to get worse through out the day. I was getting very easily out of breathe, feeling like I might faint or fall over, weak. When my arm got tingly and I had to urinate every few minutes, I went to the hospital. They ran every test possible and nothing looked like an emergency. They told me to see my general practitioner, she was out of office so I saw her nurse practitioner. He ran more tests which didn't turn up anything and recommended I see a cardiologist. The cardiologist checked my heart and had me wear a monitor for 24 hours. The monitor showed sudden spikes in my heart rate up around 160. He said I likely have POTS and must've gotten covid but didn't know it but I didn't. I didn't have covid or any other sickness at any point. The symptoms persist on a random but consistent basis. I feel chest pain, out of breathe, weak, fast heart rate when doing normal activities like laundry or when walking uphill/stairs, carrying things, etc. This isn't like normal being out of shape and getting winded, it's very different.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2249889-1	Palpitations, POTS, complete loss of ability to live a normal life due to severe fatigue. Symptoms worsened after booster in January. My health has been destroyed.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2254884-1	Breakthrough case of COVID-19. I had a sore throat, congestion, cough and a migraine. I had some abdominal and muscle pain. About 6 days in I started having chest pain, brain fog, trouble breathing and some dizziness. I think that was it, I never had a significant fever. I had an elevated heart rate at 14 days in and that is when I went to see my doctor. I was given 7 days of a steroid pack because I was still having elevated heart rate, trouble breath, dizziness and fatigue. I was still feeling pretty bad after that, and she gave me another 7 days of steroids and that seemed to help with the fatigue. I was probably not back to 100% until about 4 weeks later, I still had had trouble breathing and fatigue. My doctor ended up diagnosing me with post COVID-19 postural orthostatic tachycardia. My heart rate is elevated whenever I stand up.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2255250-1	Tachycardia, essential hypertension, POTS Syndrome - was totally non functional for 3 months.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2257807-1	11/30/21 - Received Pfizer booster shot. Sore at injection site 12/01/21 - Low grade fever, body aches, fatigue. These lasted for 2 days. Mild fatigue continued to last 12/06/21 - Sore throat and fatigue and dizziness, heart palpitations, and vasovagal syncope and pre syncope episodes begin. The sore throat lasted for over 2 weeks. Fatigue and dizziness has been continuous. Vasovagal syncope episodes continued to last for 1.5 months. I saw near vasovagal syncope episodes because I took steps to make sure I did not faint. For example, if I saw my vision was dimming/blackening, I would quickly sit or lie down. 12/27/21 - Extreme dizziness started, it is constant. Fatigue is getting worse. Both symptoms continue until present time 1/10/22 - Tension headaches begin Present time - fatigue, dizziness, autonomic disorder, tension headaches, heart palpitations, exercise and heat intolerance, postural lightheadedness , diagnosed with Postural orthostatic tachycardia syndrome
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2258635-1	Tested positive for covid virus in Jan 2022. Since then have been experiencing chest pains, dizziness, POTS syndrome, irregular HR.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2262137-1	COVID-19 01/04/2022, I had mild symptoms, shortness of breath, fatigue, and heart palpitations. Brain fog that continued for multiple months along with the heart palpitations. My O2 percentage never dropped significantly. By the end of January, I had to go on FMLA for work and was stuck on the couch because I found out anything I did would cause my heart rate to rise significantly. Postural tachycardia syndrome symptoms had continued. I started to take aggressive antihistamine doses to help with long COVID-19 symptoms. This got me to the point that my brain fog and lethargy started to lower. In March I visited my cardiologist who then gave me a heart monitor for two weeks. I have an appointment with them on 05/04/2022. I did get an ultrasound of my heart and was diagnosed with a thoracic aneurysm and then had a CT the last week of April. Somewhere between the first and second week of April I began to feel a bit normal, I was able to hit approximately 10,000 steps a day and the only symptoms that I have now are Lethargy, around 1 or 2 every day I have to take a nap. My sleep schedule has been disrupted and have shown issues with sleep cycle and having more lucid dreams. My jump in heart rate has been seen to calm down.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2264825-1	Numbness and tingling initial symptoms led to ER visit. Other symptoms developed over time. Brain fog, muscular pain and tightness in diaphragm , ribs and hip. Extreme heart palpitations and extreme fatigue. Dxed with POTS 8/21. Within hours of receiving booster 12/21, numbness and line of pain along left side from head to shoulder. Within week, new chest pain, heart attack feeling, barely able to function, terrible brain fog and pressure in head. Double and blurry vision with headache. High blood pressure . Struggles to get out of bed. Can't work.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2265938-1	I began experiencing fast heart rate when standing. The symptoms were exacerbated by heat, so I had to stop going to the sauna. I also started experiencing Raynaud's phenomenon in three fingers on my right hand, when exposed to colder temperatures. In the fall of 2021, my tachycardia symptoms worsened and I was sent to the emergency room and given saline (which improved my symptoms). I was referred to a cardiologist and finally diagnosed with Postural Orthostatic Tachycardia Syndrome in February of 2022.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2267471-1	I felt very sick about a second after the injection. Cold extremities, pale, like I was going to faint, shaking, nausea, head tension, and a feeling of the world disappearing. My symptoms have changed a lot over the course of my illness. Some of them are: gastrointestinal issues like frequent urination, diarrhea, difficulty fully emptying bladder. Tachycardia upon standing. Pulse during tilt table test was 60-126. HR is frequently 150+. Blurred vision. Headaches. Nerve pains. Lack of appetite and difficulty eating. Cramps and random muscle pains. Throat tightness. Tension in my head like there is too much pressure. Fatigue. Exercise intolerance. Confusion and memory issues. Difficulty absorbing information. Irritability. Difficulty swallowing. Chest pains and palpitations. Intolerance to heat. Difficulty breathing. Cold extremities. Like I was upright when lying down. Pins and needles. I have gotten better and my symptoms constantly change. The most consistent symptoms are fatigue, lightheaded, blurred vision, tachycardia. The two week following vaccinations I had very long (multiple hours) episodes that were very severe. One day I lost the ability to get up from my bed despite trying. This went away after a few minutes. I took 0.25-0.5 mg lorazepam as needed. Doctors thought it was anxiety at first but were confused because it was very atypical. I have no treatments since there are none for POTS. I felt better in April but am a lot worse now again in May. Gets almost unbearable when I'm on my period. My doctor suspect I had an adverse reaction to the spike protein which then developed into POTS. I passed out twice with my second vaccine despite no history of fainting. I was not scared of needles. I had the flu vaccine in October/November with no issues despite being anxious after my experience with the second COVID vaccine. My doctor says I have a textbook case of POTS (Postural Orthostatic Tachycardia Syndrome). I feel so unwell and have dropped out of college.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2278382-1	"Initial symptom was chills with the development of tension headache with numbness and radiation down neck. Initially thought reaction to shellfish, ruled out. Symptoms progressed to development of chronic, debilitating POTS. She described episodes of intense fatigue, "adrenaline surges," anxiety, and tachycardia. Her resting HR is 40-60. When standing, it will spike to 110 then go down to 95-100. If she raises her left arm, her HR can go up to 130. She was home/bedbound for about 3-4 months in an attempt to keep her HR stable and had to take leave/dramatically reduce work hours. Her symptoms improved slightly with 12.5mg sertraline, vitamin supplements, and an herbal remedy, but she still has flares."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2278850-1	He started to experience migraines. After about three days his heart would start racing at rest. His heart rate would go as high as 170 beats per mins. So we made an appointment with his primary care physician. They ordered an MRI for his head and the results were normal. We were referred to a cardiologist for his heart rate. The did an Echocardiogram and was diagnosed with pots and sinus tachycardia. He was prescribed metoprolol and given a heart monitor to wear for two days to monitor his heartrate while he slept. He was also sent to the neurologists for the headaches. She stated that it was common to have headaches from pots. She prescribed zonisamide. He has a follow up appointment in 11/2022 to see about weening him off of the zonisamide. I'm not sure if this has anything to do with it. But I had COVID in 09/2020 and my son was exposed, but never tested positive.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2279030-1	I started noticing excessive fatigue, shortness of breath, increased heart rate. When this did not settle down I went to see my PCP. She referred me to a Cardiologist who did an echocardiogram and a two week Holter study. The cardiologist said the my tachycardia was no longer responding to the metoprolol. He referred me to see a more specialized cardiologist. This cardiologist determined I have in conjunction with the inappropriate sinus tachycardia I also have postural orthostatic tachycardia syndrome. He prescribed me another medication to take with the metoprolol tartrate. I am still more tired than normal, the shortness of breath is gone and my heart rate is improving.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2287674-1	very dizzy, felt high/drunk/stoned for months, major headache ,confusion, loss of short and long term memory, unable to control my body, tremors, shakes, legs wouldnt move at times, major fatigue, vert weak, at times i couldnt even hold a cup. At times I couldnt get up out of a chair or a bed. neurological functional movement disorder. I had pots previously but that added to this and made me worse. i have better days and really bad days.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2289889-1	First vaccine- immediate pain down left arm. Within 30 minutes- blurred vision, tingling in lips, hands and feet. Treatment- pharmacist instructed drink pedialyte and rest at home 7 days after first vaccine- dry mouth, tremors, racing heart. Went to ER twice. Family Dr tried adding buspirone to medications. Symptoms improved after approx 2 weeks. However, became shaky/tremors with exertion. 2nd dose 5/3/21- Woken in middle of the night with racing/pounding heart, pain and burning in feet/legs. No treatment sought. Continued to have tremors/jittery feeling with exertion. July- muscle twitching began in legs. August- jittery feeling increased, insomnia and night dizziness began. Woke mid august with racing/pounding heart. Heart rate 50 when lying and 130-150 when upright. Also had increased urination, 5 lb weight loss, diarrhea, flushing/redness after eating and near syncope. Referred to a cardiologist, then referred to autonomic neurologist for tilt table testing. November 2021- diagnosed with pots. December 2021- started on corlanor Referred to allergist for continued flushing/jittery/tremors with eating March 2022- diagnosed with Mast Cell Activation Syndrome. Treatment- singulair, xyzal, famotidine
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2290513-1	Within 48 hours I was experiencing severe nausea, shortness of breath, and tachycardia. These symptoms became more severe over the next few months and I have now been diagnosed with POTS syndrome, gastroparesis, and general dysautonomia. At 6 months I have seen no improvement and am completely bedridden- unable to stand, walk, or eat solid foods.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2296732-1	Small fiber neuropathy & postural orthostatic tachycardia syndrome (POTS) Numbness in my extremities (left arm first, then both arms, that continued to my feet and legs) & face (first on one side, then the other, and then traveling numbness), electric-shock like nerve pain, tachycardia, dizziness, migraine headaches, nausea, chest pain, blurred vision, brain fog, GI problems, tightness in throat and itching tongue when eating/drinking on and off, and shakiness.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2296762-1	Thirty minutes after the shot, I started having head pain, fatigue, and chills. The day after the shot, I started having tightness in my chest, sore neck and shoulders, sore jaw, and twitches in my right thumb. I called the Pharmacist to report my symptoms and was told to take Tylenol and Ibuprofen. He also gave me the VSAFE number to call. I called the VSAFE number and all the representative did was email me a link to their website with common side effects from the vaccine. Three days after the shot, my eyes felt sore and were difficult to move. I went to see my Primary Care doctor. I was told that my symptoms were normal, was told to take ibuprofen, and was encouraged to take the second shot. Five days after the shot is when the numbness, tingling, and twitches started in my arms and legs. I had trouble sleeping because of the tremors,. I also had rapid heart rate. Six days after the shot, I saw my eye doctor to have my eyes checked. The eye doctor said my eyes looked fine and to follow-up with my Primary Care doctor. A week after the shot, I went to see a Neurologist who gave me a Depo-Medrol shot and prescribed ten days of Clonazepam (0.5 mg tablet at night) and steroids for the next two weeks. I took a Methylprednisolone 4mg dose pack for the first week, and Prednisone (10 mg) for the second week. The Clonazepam helped me sleep and calmed the tremors. One week and three days after the shot, I started seeing a Cardiologist. After the two rounds of steroids, I was prescribed Cyclobenzaprine (10 mg at night) to help with the head pain. I took Cyclobenzaprine intermittently from 9/2021 to 1/2022. On 10/8/2021, I had an echocardiogram done, and my heart rate was slightly higher than normal. Six weeks after the shot is when the stabbing, burning pain started in my legs, buttocks, and back, and I lost all muscle tone in my body. I had weakness in my legs, and it was hard to walk. I had to get an emergency appointment with the Rheumatologist the Neurologist referred me to. The Rheumatologist prescribed Gabapentin (300 mg x 3 daily). Nine weeks after the shot, I noticed the blotchy look on my skin, and I had also lost 10 pounds. Three months after the shot, I had muscle twitches in my face, and it was hard to move my forehead muscles. On 12/1/2021, I had an EMG nerve conduction study done that the Neurologist ordered. The results were negative however the Neurologist suspected I could have Small Fiber Neuropathy. I also went to physical therapy twice a week for the month of December 2021. The Gabapentin worked for the first two months, but the pain started coming back in January 2022. In February 2022, I saw a new doctor who took my orthostatic vitals, and they were elevated. She suspected I had POTS, and referred me back to the Cardiologist. I went to an Urgent Care on 2/13/2022 because of the pain, and I was referred back to my Rheumatologist. On 3/3/2022, I had a blood test done to see if I had a reactivation of old infections. My Mycoplasma Pneumoniae and EBV levels were high. On 3/23/2022, I did a tilt table test that confirmed I had borderline POTS. It's been eight months and two weeks, and I still have paresthesia and pain in my legs and left arm, tingling, muscle twitches, fatigue, and rapid heart rate. I'm currently taking anti-inflammatories and vitamins to help with my symptoms.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2301169-1	"Postural orthostatic tachycardia syndrome; report describes neuropathic symptoms/Neurological symptoms/Severe orthostatic tachycardia, paler, diarrhea, fluctuation in blood pressure; This is a literature report. A female patient received BNT162b2 (BNT162B2), as dose 2, single (Batch/Lot number: unknown) for covid-19 immunisation. The patient's relevant medical history included: ""Covid -19"" (unspecified if ongoing). The patient's family history included: ""Rheumatoid arthritis"" (unspecified if ongoing). The patient's concomitant medications were not reported. Vaccination history included: Covid-19 vaccine (DOSE 1, SINGLE Unknown manufacture), for Covid -19 Immunization. The following information was reported: POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (medically significant, life threatening), 10 days after the suspect product(s) administration, outcome ""unknown""; NEUROLOGICAL SYMPTOM (medically significant, life threatening), 10 days after the suspect product(s) administration, outcome ""unknown"", described as ""report describes neuropathic symptoms/Neurological symptoms/Severe orthostatic tachycardia, paler, diarrhea, fluctuation in blood pressure"". The patient underwent the following laboratory tests and procedures: Antibody test: negative; Biopsy skin: normal; 17.2; Normal; 11.1, notes: wnl; 15, notes: wnl; Blood pressure diastolic: Unknown result; Blood pressure measurement: fluctuation; Blood pressure systolic: Unknown result; Heart rate: Unknown result; Immunohistochemistry: Unknown result; Autonomic testing: POTS; Unknown result; Normal; CSF pattern II OCB;negative autoimmune, notes: dysautonomia panel; negative; Unknown result; Magnetic resonance imaging: Not Done; Neurological examination: Normal; Respiratory rate: Unknown result; Valsalva maneuver: Unknown result. No follow-up attempts are possible; information about lot/batch number cannot be obtained. No further information is expected.; Sender's Comments: Based on the available reported information, the causal association between the events and the suspect drug BNT162B2 cannot be excluded. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to regulatory authorities, Ethics Committees, and Investigators, as appropriate.,Linked Report(s) : US-PFIZER INC-202200764439 Same article/ drug and different patient/event"
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2303855-1	Hives; SoB; diarrhea; intense GERD; tachycardia; once better in January and I tapered off Allegra ~ SOB feeling throat was closing; fatigue; exercise intolerance; burning; white tongue; numbness in face~ diagnosed with POTS; laryngeal spasm; vocal cord dysfunction~ still not well. Now on prednisone Allegra; Prilosec; omeprazole; some tests still pending
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2306897-1	Fast Heart beat- Light Headed,Fatigue and weakness, extreme Blood pressure Spikes Unable to work 1 year now Still in treatment- over 20 ER Visits 3 Hospital Admissions Cardiologist test and exams Neurologist- Test and exams Endocrinologist Test and Exams Waiting for referral approval for high level of care Hospital- End Results- (POTS)

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2314111-1	Dose 1: Paresthesias developed almost immediately after injection into right delotoid along right arm with warm/cold/tingling sensations. By day 2, I had paraesthesias radiating into axilla with a sensation of sweat without actual sweating. The paraesthesias continued into my right face with tingling, right eye with irritation, and right ear with flushing. I consulted with a neurologist at my place of employment. He conducted basic blood work and EMG on right arm which were normal. I was instructed to proceed with the second dose against my better medical judgement. On January 19, 2021, I received the second dose in my left deltoid. For the following 3 days, I had severe pain at the injection site radiating into my neck and upper back. On day 4, I awoke with intense itching in right ear canal and tinnitus. I also developed extreme abdominal pain, nausea, intense headache. By January 30, 2021, I was having tachycardic episodes that sometimes lasted through the night, chest discomfort, and blood pressure swings with elevations as high as 200s/120s. I went to the ER on January 30, 2021 and suggested I was having a severe reaction. A CT showed mesenteric panniculitis. My suggestion was dismissed, and I was sent home with ibuprofen and instructions to follow up with GI and ENT. No explanation for the wide variety of my symptoms was given. Through February I continued with tachycardia and blood pressure issues. Follow up with GI included upper and lower endoscopies that were unrevealing. Medrol dose pack was given which improved mesenteric panniculitis. Audiogram was performed by ENT and was normal. One ENT attributed the tinnitus to post vaccine inflammation. Others dismissed it without further investigation (this was before tinnitus as side effect was known). Symptoms continued to progress to include autonomic dysfunction: positional tachycardia, temperature dysregulation, intractable insomnia, adrenal dumps, brain fog. Muscle fasciculations, tremors, and skin ?zaps? continued. The right eye irritation progressed to blurry vision and problems adjusting to light changes. The electrical paraesthesias progressed to full blown body wide neuropathies with stinging, stabbing, burning, prickling sensations. The cardiac dysfunction progressed to atrial fibrillation, symptomatic PVCs and NSVT. In Sept a skin biopsy was indicative of small fiber neuropathy and tilt table was positive for POTs. After clinic gave a presentation to Neuromuscular Department in October 2021, my neurologist (who suspected sudomotor, small fiber) decided on a trial of IVIg. This improved the neuropathy symptom, but due to side effect of hemolysis, it was halted. After reaching out to Dr., I was directed to Neurology for evaluation. SCIG trial was initiated. This continued to improve symptoms but exacerbated the tinnitus and cardiac symptoms and was halted. As the medical profession was not actively investigating reactions and I could obtain no response from Pfizer, I took it upon myself to research my affliction. The only labs that were revealing were autoantibody labs from overseas. I was positive for numerous antibodies including ACE2, MAS1, AT1R, beta and muscarinic cholinergic receptors. The validity of these results is questioned. However, based on these findings, a trial of plasmapheresis was undertaken in March 2021. Neuropathies resolved and POTs symptoms improved. Tinnitus was only marginally improved. Muscle fasciculations were reduced. Repeat autoantibody testing post plex showed elimination and/or reduction in antibodies. At 8 weeks, symptoms slowly returned and post plex labs were repeated showing an marked increase in autoantibodies. Persisting symptoms include cardiac arrythmias, muscle fasciculations, paraesthesia, severe tinnitus, muscle weakness, brain fog, headache/head pressure.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2316226-1	Fever for a few days immediately following shot. Then a low grade fever for months, then got sick and after months of drs diagnosed with POTs. Bed ridden continues. Low grade fever daily for 5 months.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2317664-1	Full body-Burning, stinging pain (Small Fiber Neuropathy) Heart palpitations Auditory hallucinations Fainting POTs
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2318895-1	"The morning after her second dose of the Pfizer covid vaccine, Patient woke up very dizzy and, on standing, passed out. She fell over, almost losing consciousness, three more times that morning. From that point on, Patient was ""dizzy"" or lightheaded daily. She had been an avid athlete, playing soccer at least three times per week and teaching swim lessons 4 times a week. She began to have to sit out at soccer practice and to have to leave the field during soccer games. Her dizziness was worse with exertion. She was treated zealously for assumed dehydration, but it did not help. She continued to be more and more dizzy until in January she had to quit her job teaching swim lessons because she would get dizzy in the pool where she was watching young kids. She is home schooled and only attends school twice a week, but she did miss school at least 6 times from dizziness (and more due to heart surgery but I am not counting that). Patient stopped playing soccer completely in November due to her symptoms. In the quest to try to find out what was wrong, her pediatrician, (since retired), found a first degree AV block on her EKG. She was referred to cardiology where she was diagnosed with a 17mm atrial septal defect. Her cardiologist, thought this could be causing the dizziness. The ASD was repaired on 3/2/22 with open heart surgery. Patient felt less dizzy for a day or two while in the hospital, but unfortunately after a week it was clear that the symptoms had not gone away. After further testing (blood pressure tests, holter monitor) she was diagnosed by Dr. with POTs/Disautonomia. Dr. said this could have been caused by her COVID vaccine, especially consdiering the timing of onset and never having symptoms before the vaccine. Dr said disautonomia was a possible side effect of the vaccines. At this time, a year after the vaccine, Patient is still suffering with debilitating dizziness and light-headedness not associated with dehydration. She is still unable to play soccer or to work, or can't tolerate heat and humidity well. This has been very difficult for her. With her concurrent heart condition, we have been to Emergency Room and many doctors trying to tease out what is going on with her."

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2322847-1	"I developed Postural Orthostatic Tachycardia; Dysautonomia; This is a spontaneous report received from a contactable reporter(s) (Consumer or other non-HCP). The reporter is the patient. A 47-year-old female patient (not pregnant) received BNT162b2 (BNT162B2), in May2021 as dose 2, single (Batch/Lot number: unknown) at the age of 47 years for covid-19 immunization. The patient's relevant medical history included: ""allergies"" (unspecified if ongoing); ""Allergy to gold"" (unspecified if ongoing). The patient's concomitant medications were not reported. Past drug history included: Titanium dioxide, reaction(s): ""known allergies titanium dioxide"". Vaccination history included: Bnt162b2 (Dose Number: 1, Batch/Lot No: Unknown. Unable to locate or read the details), administration date: Apr2021, when the patient was 47 years old, for Covid-19 immunization. The patient was neither diagnosed with covid-19 prior vaccination, nor been tested with covid post vaccination. The following information was reported: AUTONOMIC NERVOUS SYSTEM IMBALANCE (disability) with onset May2021, outcome ""recovering"", described as ""Dysautonomia""; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (disability) with onset May2021, outcome ""recovering"", described as ""I developed Postural Orthostatic Tachycardia"". The events ""i developed postural orthostatic tachycardia"" and ""dysautonomia"" required physician office visit. The patient stated that she has been symptomatic for a year. Therapeutic measures were taken as a result of postural orthostatic tachycardia syndrome, autonomic nervous system imbalance by change in diet and a specific exercise program. The information on the batch/lot number for BNT162b2 has been requested and will be submitted if and when received."
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2324030-1	vasovagal syncope, sinus tachycardia, PVCs, inappropriate tachycardia, POTS, all since vaccination
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2327087-1	I experienced fever, sweating, joint pain, muscle pain, swollen lymph nodes, diarrhea, fatigue, and all symptoms but the sweating and fatigue resolved after 2 months. I saw my old PCP 03/10/2021 after the excessive sweating caused a break out under my breasts and across my torso, which was diagnosed as Hidradenitis suppurativa. The fatigue is still lingering over a year later. There is some concern that I could have Occipital neuralgia, due to burning sensation, eye pain, headaches, and tachycardia, I had telogen effluvium reaction to the vaccine that caused hair loss for me as well. I am also presumed to have Postural tachycardia syndrome.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2329126-1	During drive home (approximately 40 min post vaccine) had tachycardia event, heart rate went to 153bpm. After approximately 15 minutes, it started going down. Since then, I have had numerous subsequent episodes and have been diagnosed with paroxysmal tachycardia, dysautonomia/POTS, and tinnitus.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2362203-1	Heart arrhythmias; Insomnia; POTS; This spontaneous case was reported by a patient and describes the occurrence of ARRHYTHMIA (Heart arrhythmias) in a 24-year-old patient of an unknown gender who received mRNA-1273 (Moderna COVID-19 Vaccine) for COVID-19 prophylaxis. The occurrence of additional non-serious events is detailed below. No Medical History information was reported. On an unknown date, the patient received dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) 1 dosage form. On an unknown date, the patient experienced ARRHYTHMIA (Heart arrhythmias) (seriousness criterion medically significant), INSOMNIA (Insomnia) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS). At the time of the report, ARRHYTHMIA (Heart arrhythmias), INSOMNIA (Insomnia) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) had not resolved. Patient stated that the company ruined the life when adverse events experienced 2 weeks after the booster dose. Patient mentioned 6 months after patient was still dealing with it. No concomitant medication information was reported. No treatment medication information was reported. Company comment: This spontaneous case concerns a 24-years-old, unspecified gender with no medical history, who experienced the unexpected serious (medically significant) AESI event of arrhythmia and unexpected non serious AESI event postural orthostatic tachycardia syndrome, which occurred unspecified days after a dose (dose number not specified) of mRNA-1273 vaccine. It is reported that 2 weeks after booster vaccination patient had adverse events lasted for 6 months. The benefit-risk relationship of mRNA-1273 is not affected by this report.; Sender's Comments: This spontaneous case concerns a 24-years-old, unspecified gender with no medical history, who experienced the unexpected serious (medically significant) AESI event of arrhythmia and unexpected non serious AESI event postural orthostatic tachycardia syndrome, which occurred unspecified days after a dose (dose number not specified) of mRNA-1273 vaccine. It is reported that 2 weeks after booster vaccination patient had adverse events lasted for 6 months. The benefit-risk relationship of mRNA-1273 is not affected by this report.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2367435-1	Patient developed postural tachycardia syndrome (POTS) after receiving COVID-19 vaccine. Pt has allergy to PEG-2000 which causes her to develop POTS.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2371818-1	<p>"patient continued to experience burning and itching at the injection site; patient continued to experience burning and itching at the injection site; new-onset postural orthostatic tachycardia syndrome after COVID-19 vaccination; This is a literature report for the following literature source(s). A 46-year-old female patient received BNT162b2 (BNT162B2), in Sep2021 as dose 1, single (Batch/Lot number: unknown) for covid-19 immunisation. The patient's relevant medical history included: ""Raynauds Phenomenon"" (unspecified if ongoing); ""COVID-19"", start date: Dec2020 (unspecified if ongoing). The patient's concomitant medications were not reported. The following information was reported: POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (medically significant) with onset Sep2021, 7 days after the suspect product(s) administration, outcome ""recovering"", described as ""new-onset postural orthostatic tachycardia syndrome after COVID-19 vaccination""; VACCINATION SITE PAIN (non-serious), VACCINATION SITE PRURITUS (non-serious), outcome ""unknown"" and all described as ""patient continued to experience burning and itching at the injection site"". The patient underwent the following laboratory tests and procedures: Aspartate aminotransferase: (2021) 112 IU/l, notes: On day 14 post-vaccination, elevated; Blood pressure measurement: (2021) 113/83 mmHg, notes: 10 min; (2021) 113/77 mmHg, notes: 13 min; (2021) 111/82 mmHg, notes: 15 min; (2021) 114/83 mmHg, notes: 19 min; (2021) 117/84 mmHg, notes: 21 min; (2021) 102/69 mmHg, notes: Supine; (2021) 115/75 mmHg, notes: 30 s; (2021) 122/85 mmHg, notes: 1 min; (2021) 106/77 mmHg, notes: 3 min; (2021) 101/76 mmHg, notes: 5.5 min; (2021) 114/80 mmHg, notes: 7 min; (2021) 113/78 mmHg, notes: 26 min; (2021) 102/68 mmHg, notes: 30 s, post tilt; (2021) 99/65 mmHg, notes: 1 min, post tilt; (2021) 109/72 mmHg, notes: 3 min, post tilt; (2021) 108/74 mmHg, notes: 5 min, post tilt; (2021) 128/87 mmHg; Blood thyroid stimulating hormone: (2021) normal limits, notes: On day 14 post-vaccination; Body temperature: (2021) changes throughout her right arm, notes: On day 7 post-vaccination, the patient continued to experience; Carbon dioxide: (2021) 29 mmHg, notes: On day 14 post-vaccination; (2021) 19 mmHg, notes: while the patient was in supine position and further decreased by 34% down to 19 mmHg upon head-up tilt; (2021) 23 mmHg, notes: 10 MIN; (2021) 24 mmHg, notes: 13 min; (2021) 26 mmHg, notes: 15 min; (2021) 28 mmHg, notes: 19 min; (2021) 24 mmHg, notes: 21 min; (2021) 29 mmHg, notes: Supine; (2021) 28 mmHg, notes: 30 S; (2021) 29 mmHg, notes: 1 min; (2021) 19 mmHg, notes: 3 min; (2021) 21 mmHg, notes: 5.5 min; (2021) 22 mmHg, notes: 7 min; (2021) 25 mmHg, notes: 26 min; (2021) 25 mmHg, notes: 30 s, post tilt; (2021) 24 mmHg, notes: 1 min, post tilt; (2021) 23 mmHg, notes: 3 min, post tilt; (2021) 24 mmHg, notes: 5 min, post tilt; C-reactive protein: (2021) normal limits, notes: On day 14 post-vaccination; Electrocardiogram: (2021) performed, which demonstrated sinus tachycardia, notes: performed, which with a ventricular rate of 121 bpm, On day 14 post-vaccination; Full blood count: (2021) normal limits, notes: On day 14 post-vaccination; Heart rate: (2021) 127, notes: 7 min Units: Bpm; (2021) 127, notes: 10 min Units: Bpm; (2021) 126, notes: 13 min Units: Bpm; (2021) 129, notes: 15 min Units: Bpm; (2021) 129, notes: 19 min Units: Bpm; (2021) 170, notes: Units: Bpm; (2021) 93, notes: Supine Units: Bpm; (2021) 117, notes: 30 s Units: Bpm; (2021) 124, notes: 1 min Units: Bpm; (2021) 123, notes: 3 min Units: Bpm; (2021) 121, notes: 5.5 min Units: Bpm; (2021) 128, notes: 21 min Units: Bpm; (2021) 140, notes: 26 min Units: Bpm; (2021) 107, notes: 30 s, post tilt Units: Bpm; (2021) 120, notes: 1 min, post tilt Units: Bpm; (2021) 105, notes: 3 min, post tilt Units: Bpm; (2021) 88, notes: 5 min, post tilt Units: Bpm; (2021) 107, notes: BPM; (2021) up to 120 beats per, notes: up to 120 beats per minute; (2021) maximum heart rates of 170 bpm, notes: maximum heart rates of 170 bpm; (Sep2021) 9 months after she fully recovered; allergic etiology: (2021) persistent palpitations were not consistent with, notes: On day 14 post-vaccination; (2021) which included cardiovagal response to deep breath, notes: ing and Valsalva maneuver assessment during tilt-table testing On day 14 post-vaccination; (2021) maneuver reproduced the same symptoms the patient, notes: had reported at home and the cutaneous changes consistent with Raynauds Phenomenon, which were witnessed by the autonomic laboratory clinicians; (2021) Tachycardia in response to standing and ordered a, notes: cardiac monitor, which demonstrated episodes of sinus tachycardia with maximum heart rates of 170 bpm. On day 14 post-vaccination; (2021) normal limits, notes: On day 14 post-vaccination; (2021) normal limits, notes: On day 14 post-vaccination; Deep Breathing (normal high range 10.0): (2021) 20.4, notes: HR Range (bpm), 46%; laboratory clinicians: (2021) maneuver reproduced the same symptoms the patient, notes: had reported at home and the cutaneous changes consistent with Raynauds Phenomenon, which were witnessed by the autonomic laboratory clinicians; Neurological examination: (2021) results demonstrated normal electromyography, notes: On day 14 post-vaccination; Oxygen saturation: (2021) 100 %; (2021) 100 %; Polymerase chain reaction: (Dec2020) Positive, notes: COVID-19; Red blood cell sedimentation rate: (2021) normal limits, notes: On day 14 post-vaccination; Respiration abnormal: (2021) 12, notes: Unit: breaths/min 10 min; (2021) 12, notes: Unit: breaths/min 13 min; (2021) 13, notes: Unit: breaths/min 15 min; (2021) 10, notes: Unit: breaths/min 19 min; (2021) 13, notes: Unit: breaths/min 21 min; (2021) 13, notes: Unit: breaths/min Supine; (2021) 12, notes: Unit: breaths/min 30 s; (2021) 11, notes: Unit: breaths/min 1 min; (2021) 15, notes: Unit: breaths/min 3 min; (2021) 12, notes: Unit: breaths/min 5.5 min; (2021) 12, notes: Unit: breaths/min 7 min; (2021) 13, notes: Unit: breaths/min 26 min; (2021) 13, notes: Unit: breaths/min 30 s, post tilt; (2021) 13, notes: Unit: breaths/min 1 min, post tilt; (2021) 12, notes: Unit: breaths/min 3 min, post tilt; (2021) 11, notes: Unit: breaths/min 5 min, post tilt; Thyroxine free: (2021) normal limits, notes: On day 14 post-vaccination; Tri-iodothyronine: (2021) normal limits, notes: On day 14 post-vaccination; Ultrasound scan: (2021) of her right arm showed normal arterial flow and n, notes: o evidence of deep venous thrombosis; Valsalva maneuver (normal high range 1.51): (2021) 1.69, notes: Valsalva Ratio, 19; Vitamin B12: (2021) normal limits, notes: On day 14 post-vaccination. Therapeutic measures were taken as a result of postural orthostatic tachycardia syndrome, vaccination site pain, vaccination site pruritus.; Sender's Comments: Based on the information available and close temporal association, a possible contributory role of the suspect Product cannot be excluded for the reported events . The case will be reassessed once new information is available The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to regulatory authorities, Ethics Committees, and Investigators, as appropriate."</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2379738-1	Began with headaches 2 days after vaccination then became dizzy and light headed and high heart rate and have now been diagnosed with POTS 3 weeks later.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2383854-1	June 9, 2021 was the first time I fainted. I've experienced heart palpitations, dizziness, extreme fatigue, short of breath, and migraines. Ive fainted a total of 10-11 times since June 2021. Prior to this I had no health conditions and never experienced anything like this.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2397329-1	"Long term chronic lyme disease came back; Heart issues; Can't regulate her body temperature; Chronic pain; Syncope; Blood pressure; Slight brain damage; Debilitated; Dysautonomia; Ear ache; Infection; POTS; Parkinson's like symptoms; Migraines; Chronic stomach problems; Major memory loss; Can hardly walk; This is a spontaneous report received from contactable reporter(s) (Consumer or other non HCP). The reporter is the patient. A 53-year-old female patient received BNT162b2 (BNT162B2), on 22Apr2021 as dose 2, single (Batch/Lot number: unknown) at the age of 53 years, in right arm for covid-19 immunisation. The patient's relevant medical history included: ""Long term chronic Lyme disease"", start date: 1998 (ongoing), notes: Long term chronic Lyme disease; ""Bipolar disorder"", start date: 1999 (unspecified if ongoing); ""Fibromyalgia"" (ongoing), notes: Illness/AE: Fibromyalgia, Onset Date: Few years ago, Stop Date: Ongoing; ""Degenerative disc disease"", start date: 2007 (ongoing); ""Neuropathy"", start date: 2007 (ongoing); ""Asthma"", start date: 2007 (ongoing); ""Neck surgery"", start date: 2007, stop date: 2007; ""Fractured lower back that went undiagnosed"", start date: 2007 (ongoing). The patient's family history included: ""Parkinson's"" (unspecified if ongoing), notes: She believes her great grandfather had Parkinson's.; ""dementia"" (unspecified if ongoing), notes: Grandmother on the (ethnicity withheld) side of the family had dementia. The patient's concomitant medications were not reported. Vaccination history included: Bnt162b2 (Dose 1), administration date: Mar2021, when the patient was 53 years old, for COVID-19 immunization. The following information was reported: BLOOD PRESSURE ABNORMAL (hospitalization) with onset 2021, outcome ""unknown"", described as ""Blood pressure""; GAIT INABILITY (non-serious) with onset 2021, outcome ""unknown"", described as ""Can hardly walk""; TEMPERATURE REGULATION DISORDER (hospitalization) with onset 2021, outcome ""unknown"", described as ""Can't regulate her body temperature""; PAIN (hospitalization) with onset 2021, outcome ""unknown"", described as ""Chronic pain""; GASTRIC DISORDER (non-serious) with onset 2021, outcome ""unknown"", described as ""Chronic stomach problems""; ASTHENIA (non-serious) with onset 2021, outcome ""unknown"", described as ""Debilitated""; AUTONOMIC NERVOUS SYSTEM IMBALANCE (non-serious) with onset 2021, outcome ""unknown"", described as ""Dysautonomia""; EAR PAIN (non-serious) with onset 2021, outcome ""unknown"", described as ""Ear ache""; CARDIAC DISORDER (hospitalization) with onset 2021, outcome ""unknown"", described as ""Heart issues""; INFECTION (non-serious) with onset 2021, outcome ""unknown""; LYME DISEASE (hospitalization, life threatening) with onset 2021, outcome ""unknown""; described as ""Long term chronic lyme disease came back""; AMNESIA (non-serious) with onset 2021, outcome ""unknown"", described as ""Major memory loss""; MIGRAINE (non-serious) with onset 2021, outcome ""unknown"", described as ""Migraines""; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (non-serious) with onset 2021, outcome ""unknown"", described as ""POTS""; TREMOR (non-serious) with onset 2021, outcome ""unknown"", described as ""Parkinson's like symptoms""; BRAIN INJURY (medically significant) with onset 2021, outcome ""unknown"", described as ""Slight brain damage""; SYNCOPE (hospitalization, medically significant) with onset 2021, outcome ""unknown"". The patient was hospitalized for cardiac disorder (start date: May2022, discharge date: 2022); for temperature regulation disorder, pain (start date: 2022, discharge date: 2022). The events ""slight brain damage"", ""debilitated"", ""dysautonomia"", ""ear ache"", ""infection"", ""pots"", ""parkinson's like symptoms"", ""migraines"", ""chronic stomach problems"", ""major memory loss"" and ""can hardly walk"" required physician office visit. The events ""long term chronic lyme disease came back"", ""heart issues"", ""can't regulate her body temperature"", ""chronic pain"", ""syncope"" and ""blood pressure"" required physician office visit and emergency room visit. The patient underwent the following laboratory tests and procedures: Bartonella test: (30Jun2022) Positive, notes: Result: Positive detected 2 or more; Unit: Not Provided; Blood immunoglobulin M: (30Jun2022) Positive, notes: Result: Positive detected 2 or more TBRF borrelia species; Unit: Not Provided; (30Jun2022) Positive, notes: Result: Positive for lyme; Unit: Not Provided; (30Jun2022) 2 or more of the starred bands are present, notes: Result: 2 or more of the starred bands are present; Unit: Not Provided; (30Jun2022) Positive, notes: Result: US generous burgdorferi positive; Unit: Not Provided; Blood pressure measurement: (unspecified date) Unknown results; Body temperature: (unspecified date) Unknown results, notes: Can't regulate her body temperature; Borrelia test: (30Jun2022) Positive, notes: Result: Positive; Unit: Not Provided; (30Jun2022) Positive, notes: Result: positive for ELISA lyme disease; Unit: Not Provided; (30Jun2022) Unknown results, notes: Result: Inc-for indecisive she guessed,they were unsure; Unit: Not Provided; (30Jun2022) Positive, notes: Result: Positive; Unit: Not Provided; Lyme disease: (30Jun2022) Positive, notes: Result: 320 positive active; Unit: Not Provided; Magnetic resonance imaging: (2022) Part of her brain is damaged, notes: Result: Part of her brain is damaged; Unit: Not Provided. Clinical course: Caller was very upset and angry. She said that she received Pfizer Covid-19 Vaccine as well the booster shot and this was all the reason why she was experiencing everything right now. She did not mention specific situation or what happened to her. She has done every test and it's pointing to the Pfizer Covid-19 Vaccine. Caller clarified that she has had 3 doses of Pfizer Covid-19 Vaccine including 1 booster shot. She reported after being administered the products all of her symptoms started including: her long term chronic lyme disease came back; Dysautonomia; Neurological issues; Heart issues; Ear ache; Debilitated; slight brain damage; 3 active infections; POTS; Parkinson's like symptoms; migraines; chronic stomach problems; chronic pain; major brain loss; major memory loss; can hardly walk; can't regulate her body temperature. The Pfizer Covid-19 Vaccine was mandated, she did not want it. She has been to many different specialists and these events are all pointing back to the vaccine that she was told she had to take in order to fly. There are so many things wrong with her and they all can be proved. The Pfizer Covid-19 Vaccine was never FDA approved. Now she has a life threatening illness that was killing her and nobody can help her. She was contacting every single newspaper in the country because you guys did not, you lied about long term effects. The Pfizer Covid-19 Vaccine was a Biochemical drug to kill people. You have hurt millions of people. She asked was Pfizer going to pay for her treatment or save her life. Dysautonomia: It's affecting her whole autonomic system and it's been since the Pfizer Covid-19 Vaccines that weren't even FDA approved. When you look up dysautonomia with long term symptoms of COVID she has all of those symptoms. Heart issues: with her blood pressure and syncope. Debilitated: It was very hard for her to do anything she is so debilitated. 3 active infections: Onset dates of these infections are unknown, she does not know how long she has had them. It was from your Pfizer mandated vaccination and booster which she did not want. She clarified that they started in 2021 after her Apr2021 dose of Pfizer Covid-19 Vaccine. Pfizer Covid-19 Vaccine: First dose: Date administered: Either 22Mar2021 or 23Mar2021, she can't read the CDC vaccine record card clearly because of their bad handwriting. Lot/NDC/Expiry: Unknown, this is not on the CDC vaccine record card.

Symptoms	Vaccine Type	VAERS ID	Dose: Unknown strength/volume/dose injection to right shoulder at unknown time, Dosage text: Adverse Event Description
			<p>Unknown strength/volume/dose injection to right shoulder at unknown time, Pharmaceutical form (Dosage form): Injection, Indication as Reported by the Primary Source: Mandated, she was told she had to take in order to fly. Second dose: Date administered: 22Apr2021, Lot: 6W0170 or could be an EW0170, it is not clear on the CDC vaccine record card, NDC/Expiry: Unknown, this is not on the CDC vaccine record card, Dose: Unknown strength/volume/dose injection to right shoulder at unknown time. Third dose/booster: Date administered: 24Dec2021, Lot: 33130BA Unknown number from CDC vaccine record card for this dose: 4177, NDC/Expiry: Unknown, this is not on the CDC vaccine record card. Caller reported there are no treatment or medical interventions to report. No one can treat her. One doctor takes insurance everyone else does not take the insurance. Thousands of dollars to treat her because she has chronic-captured as provided. There were no additional vaccines administered on same date of the Pfizer Suspect. There were no prior vaccinations within 4 weeks. Bipolar disorder diagnosed in 1999. Pertinent Details: she found out that the tick bite she had that went untreated in 1998 turns out it's not bipolar she has; this is stemming from the dysautonomia and lyme disease. Degenerative disc disease started in 2007 and it was ongoing. Pertinent Details: Occurred after she fell in 2007. Neuropathy started in 2007 and it was ongoing. Pertinent Details: From a slip and fall she had on her graduation day in 2007. Asthma, Onset Date: All her life and it was ongoing. Neck surgery started and stopped in 2007 Pertinent Details: She needs neck surgery again. Fractured lower back that went undiagnosed started in 2007 and it was ongoing, Pertinent Details: Occurred when she fell in 2007. The information on the batch/lot number for BNT162b2 has been requested and will be submitted if and when received.; Sender's Comments: Linked Report(s) : US-PFIZER INC-202201010047 Same patient and drug, different event separated in time;"</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2397335-1	<p>"syncope; blood pressure; Can't regulate her body temperature; Chronic pain; long term chronic lyme disease came back; Heart issues; Fractured lower back; Dysautonomia; Ear ache; 3 active infections; POTS; Parkinson's like symptoms; Migraines; Chronic stomach problems; Major memory loss; Neurological issues; Can hardly walk; Slight brain damage; Major brain loss; Debilitated; This is a spontaneous report received from contactable reporter(s) (Consumer or other non HCP). The reporter is the patient. A 53-year-old female patient received BNT162b2 (BNT162B2), on 24Dec2021 as dose 3 (booster), single (Lot number: 33130BA) at the age of 53 years, in right arm for covid-19 immunisation. The patient's relevant medical history included: ""Bipolar disorder"", start date: 1999 (unspecified if ongoing), notes: Illness/AE: Bipolar disorder, Onset Date: Diagnosed in 1999, Stop Date: Unknown, Pertinent Details: she found out that the tick bite she had that went untreated in 1998 turns out it's not bipolar she has; this is stemming from the dysautonomia and lyme disease.; ""Fibromyalgia"" (ongoing), notes: Illness/AE: Fibromyalgia, Onset Date: Few years ago, Stop Date: Ongoing; ""Degenerative disc disease"", start date: 2007 (ongoing), notes: Illness/AE: Degenerative disc disease, Onset Date: 2007, Stop Date: Ongoing, Pertinent Details: Occurred after she fell in 2007.; ""Neuropathy"", start date: 2007 (ongoing), notes: Illness/AE: Neuropathy , Onset Date: 2007, Stop Date: Ongoing, Pertinent Details: From a slip and fall she had on her graduation day in 2007; ""Asthma"" (ongoing), notes: Illness/AE: Asthma, Onset Date: All her life, Stop Date: Ongoing; ""Neck surgery"", start date: 2007, stop date: 2007, notes: Illness/AE: Neck surgery, Onset Date: 2007, Stop Date: 2007, Pertinent Details: She needs neck surgery again; ""Fractured lower back that went undiagnosed"", start date: 2007 (ongoing), notes: Illness/AE: Fractured lower back that went undiagnosed, Onset Date: 2007, Stop Date: Ongoing, Pertinent Details: Occurred when she fell in 2007.; ""Long term chronic Lyme disease"", start date: 1998 (ongoing), notes: Start Date: 1998, Continuing: True, Comments: Long term chronic Lyme disease. The patient's family history included: ""Dementia"" (unspecified if ongoing), notes: Grandmother on the (ethnicity withheld) side of the family had dementia; ""Parkinson's"" (unspecified if ongoing), notes: She believes her great grandfather had Parkinson's. The patient's concomitant medications were not reported. Vaccination history included: BNT162b2 (Second dose: Date administered: 22Apr2021, Lot: 6W0170 or could be an EW0170, it is not clear on the CDC vaccine record card.), administration date: 22Apr2021, when the patient was 53-year-old, for COVID-19 immunization, reaction(s): ""her long term chronic lyme disease came back"", ""Dysautonomia"", ""Slight brain damage"", ""Heart issues"", ""Can't regulate her body temperature"", ""Syncope"", ""Chronic pain"", ""Debilitated"", ""Ear ache"", ""Infection"", ""POTS"", ""Parkinson's like symptoms"", ""Migraines"", ""Chronic stomach problems"", ""Major memory loss"", ""Can hardly walk"", ""blood pressure""; Bnt162b2 (First dose: Date administered: Either 22Mar2021 or 23Mar2021, she can't read the CDC vaccine record card clearly because of their bad handwriting.), administration date: Mar2021, when the patient was 52 years old, for COVID-19 immunization. The following information was reported: INFECTION (non-serious) with onset 2021, outcome ""unknown"", described as ""3 active infections""; GAIT DISTURBANCE (non-serious) with onset 2021, outcome ""unknown"", described as ""Can hardly walk""; TEMPERATURE REGULATION DISORDER (hospitalization) with onset 2021, outcome ""unknown"", described as ""Can't regulate her body temperature""; PAIN (hospitalization) with onset 2021, outcome ""unknown"", described as ""Chronic pain""; GASTRIC DISORDER (non-serious) with onset 2021, outcome ""unknown"", described as ""Chronic stomach problems""; ASTHENIA (disability) with onset 2021, outcome ""unknown"", described as ""Debilitated""; AUTONOMIC NERVOUS SYSTEM IMBALANCE (non-serious) with onset 2021, outcome ""unknown"", described as ""Dysautonomia""; EAR PAIN (non-serious) with onset 2021, outcome ""unknown"", described as ""Ear ache""; CARDIAC DISORDER (hospitalization) with onset 2021, outcome ""unknown"", described as ""Heart issues""; CEREBRAL ATROPHY (medically significant) with onset 2021, outcome ""unknown"", described as ""Major brain loss""; AMNESIA (non-serious) with onset 2021, outcome ""unknown"", described as ""Major memory loss""; MIGRAINE (non-serious) with onset 2021, outcome ""unknown"", described as ""Migraines""; NERVOUS SYSTEM DISORDER (non-serious) with onset 2021, outcome ""unknown"", described as ""Neurological issues""; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (non-serious) with onset 2021, outcome ""unknown"", described as ""POTS""; PARKINSONISM (non-serious) with onset 2021, outcome ""unknown"", described as ""Parkinson's like symptoms""; BRAIN INJURY (medically significant) with onset 2021, outcome ""unknown"", described as ""Slight brain damage""; LYME DISEASE (hospitalization, medically significant, life threatening) with onset 2021, outcome ""unknown"", described as ""long term chronic lyme disease came back""; SYNCOPE (hospitalization, medically significant), outcome ""unknown""; BLOOD PRESSURE ABNORMAL (hospitalization), outcome ""unknown"", described as ""blood pressure""; SPINAL FRACTURE (medically significant), outcome ""unknown"", described as ""Fractured lower back"". The patient was hospitalized for cardiac disorder, syncope, blood pressure abnormal (start date: May2022, discharge date: 2022); for temperature regulation disorder, pain (start date: 2022, discharge date: 2022). The events ""long term chronic lyme disease came back"", ""slight brain damage"", ""major brain loss"", ""debilitated"", ""fractured lower back"", ""dysautonomia"", ""ear ache"", ""3 active infections"", ""pots"", ""parkinson's like symptoms"", ""migraines"", ""chronic stomach problems"", ""major memory loss"", ""neurological issues"" and ""can hardly walk"" required physician office visit. The</p>

Symptoms	Vaccine Type	VAERS ID	events ""heart issues"", ""syncope"", ""blood pressure"", ""can't regulate her body temperature"" Adverse Event Description
			<p>and ""chronic pain"" required physician office visit and emergency room visit. The patient underwent the following laboratory tests and procedures: Bartonella test: (30Jun2022) Positive, notes: Result: Positive detected 2 or more; Unit: Not Provided; Blood immunoglobulin G: (30Jun2022) Positive, notes: Result: 320 positive active; Unit: Not Provided; Blood immunoglobulin M: (30Jun2022) Positive, notes: Result: Positive detected 2 or more TBRF borrelia species; Unit: Not Provided; (30Jun2022) Positive, notes: Result: Positive for lyme; Unit: Not Provided; (30Jun2022) or more of the starred bands are present, notes: Result: 2 or more of the starred bands are present; Unit: Not Provided; (30Jun2022) Positive, notes: Result: US generous burgdorferi positive; Unit: Not Provided; Blood pressure measurement: (unspecified date) Unknown results; Body temperature: (unspecified date) Unknown results, notes: can't regulate her body temperature; Borrelia test: (30Jun2022) Positive, notes: Result: Positive; Unit: Not Provided; (30Jun2022) indecisive she guessed, they were unsure, notes: Result: Inc-for indecisive she guessed, they were unsure; Unit: Not Provided; (30Jun2022) Positive, notes: Result: Positive; Unit: Not Provided; Immunology test: (30Jun2022) Positive, notes: Result: positive for ELISA lyme disease; Unit: Not Provided; Magnetic resonance imaging: (2022) brain is damaged, notes: Result: Part of her brain is damaged; Unit: Not Provided. Clinical course included: Vaccination facility type was noted as pharmacy. Vaccine administered at military facility was noted as no. Time the vaccination was given: was unknown. Additional vaccines administered on same date of the Pfizer suspect-If applicable, list all vaccines administered on same date with the Pfizer vaccine considered as suspect was noted as none. Prior Vaccinations (within 4 weeks) If applicable, list any other vaccinations within four weeks prior to the first administration date of the suspect vaccine(s) was noted as none. The Pfizer Covid-19 Vaccine was mandated; she did not want it. She has been to many different specialists and these events are all pointing back to the vaccine that she was told she had to take in order to fly. The patient was very upset and angry. She said that she received Pfizer Covid-19 Vaccine as well the booster shot, and this was the reason why she was experiencing everything. She did not mention specific situation or what happened to her. She had done every test and it was pointing to the Pfizer Covid-19 Vaccine. She clarified that she has had 3 doses of Pfizer Covid-19 Vaccine including 1 booster shot. She reported after being administered the products all of her symptoms started including: her long term chronic lyme disease came back; Dysautonomia; Neurological issues; Heart issues; Ear ache; Debilitated; slight brain damage; 3 active infections; POTS; Parkinson's like symptoms; migraines; chronic stomach problems; chronic pain; major brain loss; major memory loss; can hardly walk; can't regulate her body temperature. The patient was hospitalized for syncope, when she passed out in her dad's arms. It was unknown that how many days was the hospital stay. The provider was the one who diagnosed her and did all the bloodwork and everything. Dysautonomia noted as It affected her whole autonomic system. When you look up dysautonomia with long term symptoms of COVID she had all of those symptoms. It was very hard for her to do anything she is so debilitated. 3 active infections noted as she did not know how long she has had them. She clarified that they started in 2021 after her Apr2021 dose of Pfizer Covid-19 Vaccine. She reported there are no treatment or medical interventions to report. All events for physician's office; for emergency room events were chronic pain; heart issues including syncope and blood pressure; can not regulate her body temperature.; Sender's Comments: Linked Report(s) : US-PFIZER INC-202201009808 Same patient and drug, different event separated in time;"</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2404728-1	<p>At about 15 minutes after injection, heart rate rose to about 180bpm. I was laid onto a cot by paramedics. They tried to take me to the emergency room but I refused. They measured my blood pressure, but I don't remember what it was. I lied there for about 15 minutes with legs raised while we waited for my heart rate to lower. They let me go when my heart rate reached around 90-100bpm, where it stayed for several hours. I had difficulty walking for a few days -- it was like I had a bad POTS (Postural Orthostatic Tachycardia Syndrome) flare-up. Every time I would stand or sit up, my heart rate would suddenly increase by a notable amount, causing temporary vision loss, light-headedness, and loss of balance, and sometimes difficulty breathing.</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2405504-1	<p>"Postural orthostatic tachycardia syndrome; This is a literature report. A 19-year-old female patient received BNT162b2 (BNT162B2), as dose 2, single (Batch/Lot number: unknown) for covid-19 immunisation. The patient's relevant medical history and concomitant medications were not reported. Vaccination history included: Covid-19 vaccine (DOSE 1, SINGLE), for COVID-19 immunization. The following information was reported: POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (medically significant), 18 days after the suspect product(s) administration, outcome ""unknown"". The patient underwent the following laboratory tests and procedures: Alpha tumour necrosis factor (normal high range 7.2): 12.8 pg/mL, notes: elevated; Antinuclear antibody: 1:80, notes: elevated; Blood pressure diastolic: 10 mmHg; Blood pressure systolic: 16 mmHg; Blood thyroid stimulating hormone: Normal; Echocardiogram: normal; Electrocardiogram: normal; Electrocardiogram ambulatory: normal; Full blood count: Normal; Heart rate: 62, notes: BPM; 130, notes: BPM; Heart rate variability test: showed a significant, notes: increase in sympathetic tone after the head-up position. She responded fairly to salt tablets and propranolol; Interleukin level (normal high range 2.8): 6.2 pg/mL; Tilt table test: orthostatic tachycardia, notes: without OH, consistent with a diagnosis of POTS. Therapeutic measures were taken as a result of postural orthostatic tachycardia syndrome. A 19-year-old female-developed dizziness, headache, nausea, bloating, excessive sweating, and fatigue after 18 days of receiving a second dose of BioNTech-Pfizer COVID vaccine. She has no significant PMH and takes no medication. Her echocardiogram, EKG, and Holter were within normal. Autoimmune panel showed elevated ANA 1:80, elevated tumor necrosis factor-a 12.8 pg/ml (normal < 7.2 pg/mL), and interleukin 10 6.2 pg/mL (normal < 2.8 pg/mL). HUTT showed orthostatic tachycardia without OH, consistent with a diagnosis of POTS. HRV spectral Fourier analysis showed a significant increase in sympathetic tone after the head-up position. She responded fairly to salt tablets and propranolol.; Sender's Comments: Based on available information, the causal association between the event postural orthostatic tachycardia syndrome and the suspect drug bnt162b2 cannot be totally excluded. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated a part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to Regulatory authorities, Ethics committees, and Investigators, as appropriate.,Linked Report(s) : US-PFIZER INC-PV202200033614 Same article/ drug/event and different patient.;"</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2405505-1	"Postural orthostatic tachycardia syndrome; This is a literature report. A 17-year-old female patient received BNT162b2 (BNT162B2), as dose 2, single (Batch/Lot number: unknown) for covid-19 immunisation. The patient's relevant medical history and concomitant medications were not reported. Vaccination history included: Covid-19 vaccine (DOSE 1; MANUFACTURER UNKNOWN), for COVID-19 immunisation. The following information was reported: POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (medically significant), 3 weeks after the suspect product(s) administration, outcome ""recovered"". The patient underwent the following laboratory tests and procedures: Blood pressure diastolic: 18; Blood pressure systolic: 30; Blood thyroid stimulating hormone: normal; Echocardiogram: normal; Electrocardiogram: normal; Full blood count: normal; Heart rate: 53; 123; Heart rate variability test: showed an increased sympathetic activity with, notes: occasional spikes of vagal tone after the head-up position; Interleukin level (normal high range 2.8): 5.6 pg/mL, notes: showed increased titer levels; Interleukin level (normal high range 2.3): 10.4 pg/mL, notes: showed increased titer levels; Interleukin level (normal high range 2.1): 9.4 pg/mL, notes: showed increased titer levels; head-up tilt table (HUTT): showed orthostatic, notes: tachycardia without OH, consistent with a diagnosis of POTS. Therapeutic measures were taken as a result of postural orthostatic tachycardia syndrome.; Sender's Comments: Based on the current available information and the plausible drug-event temporal association, a possible contributory role of the suspect product BNT162B2 to the development of the reported event POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME Cannot be excluded. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to regulatory authorities, Ethics Committees, and Investigators, as appropriate.,Linked Report(s) : US-PFIZER INC-PV202200033614 Same article/ drug/event and different patient.;"
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2405521-1	"Postural orthostatic tachycardia syndrome; The initial case was missing the following minimum criteria: Unidentifiable patient. Upon receipt of follow-up information on 03Aug2022, this case now contains all required information to be considered valid. This is a literature report. A 21-year-old female patient received BNT162b2 (BNT162B2), as dose 1, single (Batch/Lot number: unknown) for covid-19 immunisation. The patient's relevant medical history and concomitant medications were not reported. The following information was reported: POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (medically significant), 12 days after the suspect product(s) administration, outcome ""recovering"". The patient underwent the following laboratory tests and procedures: Antibody test: positive, notes: Mildly with a titer of 0.07 nmol/L (normal less than 0.02); Blood pressure diastolic: 14; Blood pressure systolic: 16; Blood thyroid stimulating hormone: Normal; Echocardiogram: Showed normal biventricular size and function; Electrocardiogram: Showed normal sinus rhythm; Electrocardiogram ambulatory: Showed normal sinus rhythm; Full blood count: Normal; Heart rate variability test: Normal; 47; Autonomic testing: showed orthostatic tachycardia without OH, consist, notes: ent with a diagnosis of POTS; Unremarkable; Normal; Maximum heart rate: 136; Sweat test: Normal; Tilt table test: Prominent orthostatic tachycardia (above), HR delt, notes: a 47 bpm, max HR 136 bpm with no significant orthostatic hypotension (below); Valsalva maneuver: Normal; Antiacetylcholine receptor antibody (normal high range 0.02): 0.07 nmol/L. Therapeutic measures were taken as a result of postural orthostatic tachycardia syndrome.; Sender's Comments: Based on the known safety profile and information in the case report a casual association between reported event Postural Orthostatic tachycardia Syndrome and the suspect drug BNT162B2 cannot be excluded. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to regulatory authorities, Ethics Committees, and Investigators, as appropriate,Linked Report(s) : US-PFIZER INC-PV202200037945 Same article/drug/event and different patient;US-PFIZER INC-202201040964 Same article/ drug/event and different patient.;US-PFIZER INC-202201040965 Same article/ drug/event and different patient.;"
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2405543-1	Postural orthostatic tachycardia syndrome; This is a literature report. Authors report five patients who presented to evaluate orthostatic intolerance that developed after receiving the COVID-19 vaccine. They were diagnosed with postural orthostatic tachycardia syndrome (POTS) after extensive evaluation. All patients underwent a head-up tilt table (HUTT) test. Furthermore, patient 3 underwent heart rate variability (HRV) spectral Fourier analysis. A 46-year-old female developed new onset of lightheadedness, nausea, fatigue, poor concentration, palpitations, and brain fog about 2 weeks after receiving the first dose of BioNTech-Pfizer COVID vaccine. She has no significant past medical history (PMH) and takes no medication. Her echocardiogram, Electrocardiogram (EKG), and Holter were normal. Thyroid-stimulating hormone (TSH) and complete blood count (CBC) were normal. HUTT showed orthostatic tachycardia without orthostatic hypotension (OH), consistent with a diagnosis of POTS. COVID-19 Vaccine to autonomic symptoms: 14 days. Symptoms to HUTT: 168 days. Autonomic symptoms: orthostatic, lightheadedness, palpitations, nausea, brain fog and fatigue. Autonomic diagnosis: POTS. HUTT symptoms: Nausea and short of breath. Maximum systolic blood pressure (BP): 24; Max diastolic BP: 12; Max heart rate (HR): 38; Max HR: 110; complete blood count (CBC): normal (NL); thyroid-stimulating hormone (TSH): NL; Possible markers of autoimmunity: Positi¼ve serum peroxidase anti¼body (65 IU/ml, normal < 9 IU/ml). Heart rate variability (HRV) spectral Fourier analysis showed a significant increase in sympathetic activity after the head-up position. Autoimmune panel showed mildly elevated serum anti-peroxidase antibodies. The patient responded well to the combination of fludrocortisone and propranolol. Discussion: All patients met the diagnostic criteria for POTS. No other causes of sinus tachycardia were identified, including hyperthyroidism, anemia, dehydration, inappropriate sinus tachycardia, or medications (e.g., sympathomimetics, anticholinergics). Finally, authors can only report an association between the POTS and COVID-19 vaccine, and authors cannot report a solid conclusion regarding the causative relationship or the underlying mechanism.; Sender's Comments: There is a possible causal association between BNT162B2 and postural orthostatic tachycardia syndrome (POTS) considering a plausible temporal relationship, also no other causes of sinus tachycardia were identified, including hyperthyroidism, anemia, dehydration, inappropriate sinus tachycardia, or medications (e.g., sympathomimetics, anticholinergics) as stated by the literature author. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to Regulatory Authorities, Ethics Committees and Investigators, as appropriate.,Linked Report(s) : US-PFIZER INC-PV202200033614 Same article/ drug/event and different patient.;"

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2410733-1	The day of vaccine I had tingling and numbness in arm down to hand and had chest pains. This continued to next day and I went to urgent care for chest pain. I was told lymph node was swollen and it was normal. Since then, I've had a pocket of fluid swelling in my arm pit. I've been diagnosed with Chondritis in my left chest area as a reason for my continued chest pain. As of June 9th 2022, a sudden wave of vertigo and lightheadedness, head pressure, ringing and fullness in ears, palpitations, etc which resulted in many tests - and so far one diagnosis is POTS. I continue to have these debilitating symptoms.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2416764-1	Postural Orthostatic Tachycardia first presented to urgent care with palpitations and elevated heart rate in August 2021
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2417248-1	Began to experience tachycardia in August 2021 after the first dose of the Pfizer COVID vaccine. I received the second dose in October 2021. In about May of 2022 I began to experience unusually high heart rates. I was diagnosed with POTS syndrome in May 2022. I never had this issue before until I received the COVID vaccine. I was prescribed Corlanor (expensive medication) to keep my heart rate down and not effect my blood pressure which I am still taking to date.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2420161-1	Got Covid on July 19; quite sick with cough, fever, aches and pains, severe fatigue. Cough and severe fatigue took quite awhile to resolve. 3 weeks later was very dizzy, light-headed and brain fog. Diagnosed wit POTS (postural orthostatic tachycardia syndrome whic i am still suffering with.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2420818-1	POTS and sleep apnea; shortness of breath, increased heart rate upon standing, blood pressure elevation, lightheadedness, fatigued easily. Did not show until months after 2nd dose.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2422103-1	Postural orthostatic tachycardia syndrome, 1 week after receiving the first dose of Moderna vaccine.; This literature-non-study case was reported in a literature article and describes the occurrence of POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural orthostatic tachycardia syndrome, 1 week after receiving the first dose of Moderna vaccine.) in a 37-year-old female patient who received mRNA-1273 (Spikevax) for COVID-19 prophylaxis. LITERATURE REFERENCE: No Medical History information was reported. On an unknown date, the patient received first dose of mRNA-1273 (Spikevax) (unknown route) 1 dosage form. On an unknown date, after starting mRNA-1273 (Spikevax), the patient experienced POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural orthostatic tachycardia syndrome, 1 week after receiving the first dose of Moderna vaccine.) (seriousness criterion medically significant). At the time of the report, POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural orthostatic tachycardia syndrome, 1 week after receiving the first dose of Moderna vaccine.) outcome was unknown. The action taken with mRNA-1273 (Spikevax) (Unknown) was unknown. For mRNA-1273 (Spikevax) (Unknown), the reporter considered POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural orthostatic tachycardia syndrome, 1 week after receiving the first dose of Moderna vaccine.) to be related. No concomitant and treatment medications were reported. Company comment: This literature-non-study case concerns a 37-year-old female patient, with no medical history reported, who experienced the serious (due to medically significant) AESI of Postural orthostatic tachycardia syndrome, a week after receiving the first dose of mRNA-1273 vaccine. No further clinical information was provided for medical reviewing. The benefit-risk relationship of the mRNA-1273 is not affected by this report.; Sender's Comments: This literature-non-study case concerns a 37-year-old female patient, with no medical history reported, who experienced the serious (due to medically significant) AESI of Postural orthostatic tachycardia syndrome, a week after receiving the first dose of mRNA-1273 vaccine. No further clinical information was provided for medical reviewing. The benefit-risk relationship of the mRNA-1273 is not affected by this report.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2422296-1	"This is a literature report for the following literature source(s): ""A CASE OF POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME AFTER MRNA COVID-19 VACCINE"", Journal of General Internal Medicine, 2022. A 31-year-old female patient received BNT162b2 (BNT162B2), as dose 2, single (Batch/Lot number: unknown) for covid-19 immunisation. The patient's relevant medical history included: ""History is negative for tobacco smoking"" (unspecified if ongoing); ""History is negative for drug use"" (unspecified if ongoing); ""History is negative for alcohol use"" (unspecified if ongoing). The patient's concomitant medications were not reported. Past drug history included: Pfizer Covid vaccine for COVID-19 immunisation, notes: DOSE 1, SINGLE. The following information was reported: POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (medically significant), 3 days after the suspect product(s) administration, outcome ""recovering"". The patient underwent the following laboratory tests and procedures: Blood pressure measurement: Minimal change; 125/71; 144/108; Blood thyroid stimulating hormone: Unremarkable; Electrocardiogram: Normal sinus rhythm; Full blood count: Unremarkable; Heart rate: Increase in HR by 30 beats; 77; 137; Loop-recorder: Revealed presence of patient triggered episodes of, notes: sinus tachycardia upon standing; Normal; Metabolic function test: Unremarkable; Physical examination: Notable for moist mucous membranes; Tilt table test: Within 8 minutes of upright tilting, HR was 137 f, notes: rom a baseline of 77, and BP was 144/108 from 125/71; Vital signs measurement: Remarkable for an increase in HR by 30 beats with, notes: minimal change in BP. Therapeutic measures were taken as a result of postural orthostatic tachycardia syndrome. Sender's Comments: Based on the information currently available, a possible contributory role of the suspect vaccine BNT162B2 or Comirnaty in triggering the onset of postural orthostatic tachycardia syndrome cannot be excluded. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to regulatory authorities, Ethics Committees, and Investigators, as appropriate."

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2422425-1	AUTOIMMUNE SMALL FIBER POLYNEUROPATHY AFTER COVID-19 VACCINATION; POTS; This is a literature report for the following literature source(s). A previously healthy 27-year-old woman who presented with several months of progressive weakness, neuropathy, and tachycardia that began shortly after her second dose of the Pfizer COVID-19 vaccine. Initially, she noticed fatigue followed by occipital neuralgia and paresthesia. Weeks later, she was febrile with extremity tremors and neuralgia. She went to the ED where she was lymphopenic, group A strep positive (GAS+), and had unremarkable imaging; she was given antibiotics and gabapentin. Her fever resolved, but her pain/tremor continued. Occipital nerve blocks provided temporary relief; acyclovir and duloxetine had no effect. On two subsequent ED visits, she was again GAS+ and was given additional antibiotics. Later, she developed non-pruritic rash, dermatographia, and blepharitis; skin biopsy showed non-vasculitic progressive pigmented purpura. An extensive rheumatologic, post-infectious, and paraneoplastic workup was unrevealing. Notably, she had high anti-COVID-19 spike antibody on qualitative assay. During workup, her symptoms rapidly worsened, leading to admission. On exam, she had intact sensation, profound gait imbalance, and HR to 150s with standing. LP was negative; EMG ruled out large fiber polyneuropathy (LFPN). She was diagnosed with autoimmune small fiber polyneuropathy (SFPN) and POTS. She improved rapidly with IVIG and steroids. Given her negative workup, the COVID-19 vaccine was identified as the likely trigger.; Sender's Comments: Based on the known safety profile and information in the case report a casual association between reported event Autoimmune Polyneuropathy and the suspect drug cannot be excluded. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to regulatory authorities, Ethics Committees, and Investigators, as appropriate,Linked Report(s) : US-PFIZER INC-PV202200048823 Same article, different patient, drug and events;US-PFIZER INC-202201087490 Same article and patient, different drug and event;
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2426208-1	This spontaneous case was reported by a nurse and describes the occurrence of POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural Orthostatic Tachycardia Syndrome) in an 82-year-old female patient who received mRNA-1273 (Moderna COVID-19 Vaccine) (batch nos. 3M20A and 027L20A) for COVID-19 vaccination. The patient never tested positive for COVID or diagnosis. The patient's past medical history included Supraventricular tachycardia and Stent placement (2 cardiac stents put in, supraventricular tachycardia prior to the stents) in May 2019. Concurrent medical conditions included Drug allergy (Bactrim allergy), Drug allergy (cardiac medications: Norvasc), Drug allergy (cardiac medications: Ramipril) and Perfume sensitivity. On 06-Jan-2021, the patient received first dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) 1 dosage form. On 03-Feb-2021, received second dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) dosage was changed to 1 dosage form. On 19-Nov-2021, received third dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) dosage was changed to 1 dosage form. In 2022, the patient experienced POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural Orthostatic Tachycardia Syndrome). The patient was treated with METOPROLOL on 03-Mar-2022 at a dose of 25 milligram once a day. At the time of the report, POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural Orthostatic Tachycardia Syndrome) had not resolved. DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): In November 2021, Blood pressure measurement: 65/49 and at some point in the 50s, BP dropped. In November 2021, Heart rate: 90s. On 24-Aug-2022, Blood pressure measurement: Sitting BP 97/64 and standing BP 86/55. On 24-Aug-2022, Heart rate: sitting pulse rate - 85 and standing pulse rate - 94. For mRNA-1273 (Moderna COVID-19 Vaccine) (Unknown), the reporter considered POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural Orthostatic Tachycardia Syndrome) to be related. No vaccines given within 1 month prior to Moderna COVID-19 vaccine. The event cause patient to seek medical care just office visits. The patient went to the emergency room (ER) once but heart rate was already low at the time she got to the ER so there were no findings. The patient had not experienced a similar event in the past. No concomitant information was reported. A retired nurse reported that she had the 1st doses of the Moderna Covid-19 vaccine then followed by the 1st booster dose. Shortly thereafter, around end of Nov 2021, she had fatigue and light headedness which progressed to a blood pressure (BP) problem. She had BPs of 65/49 and at some point in the 50s. She was worked up, her cardiologist had done 2 monitors and they found out that if her heart rate goes to 90s her blood pressure drops. Sometime early this year was diagnosed by her primary physician as having POTS (Postural Orthostatic Tachycardia Syndrome). She said that there was nothing else she could attribute that to except the vaccine. CC: This spontaneous case concerns an 82 year old female patient, with a relevant history of supraventricular tachycardia, who experienced the unexpected, non-serious adverse event of special interest Postural orthostatic tachycardia syndrome, which occurred unknown months after the third dose of mRNA-1273 vaccine administration. The outcome was reported as not resolved. Days after the vaccination of the third dose of mRNA-1273 vaccine, patient had fatigue and light headedness which progressed to a blood pressure (BP) measurements of 65/49 and at some point in the 50s. Patient sought consult with a cardiologist where she was diagnosed with POTS. The patient was treated with metoprolol 25 milligrams once a day. Underlying history of supraventricular tachycardia could be a confounder for the event. The benefit-risk relationship of mRNA-1273 vaccine is not affected by this report. This case was linked to US-MODERNATX, INC.-MOD-2022-634805 (E2B Linked Report). Sender's Comments: CC: This spontaneous case concerns an 82 year old female patient, with a relevant history of supraventricular tachycardia, who experienced the unexpected, non-serious adverse event of special interest Postural orthostatic tachycardia syndrome, which occurred unknown months after the third dose of mRNA-1273 vaccine administration. The outcome was reported as not resolved. Days after the vaccination of the third dose of mRNA-1273 vaccine, patient had fatigue and light headedness which progressed to a blood pressure (BP) measurements of 65/49 and at some point in the 50s. Patient sought consult with a cardiologist where she was diagnosed with POTS. The patient was treated with metoprolol 25 milligrams once a day. Underlying history of supraventricular tachycardia could be a confounder for the event. The benefit-risk relationship of mRNA-1273 vaccine is not affected by this report. US-MODERNATX, INC.-MOD-2022-634805: Reporter's case (Female Patient).

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2427347-1	This spontaneous case was reported by a nurse and describes the occurrence of POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) in a 46-year-old male patient who received mRNA-1273 (Spikevax) for COVID-19 vaccination. No Medical History information was reported. On an unknown date, the patient received first dose of mRNA-1273 (Spikevax) (unknown route) 1 dosage form. On an unknown date, the patient experienced POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS). At the time of the report, POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) outcome was unknown. The action taken with mRNA-1273 (Spikevax) (Unknown) was unknown. For mRNA-1273 (Spikevax) (Unknown), the reporter did not provide any causality assessments. No concomitant medications were reported. The reporter did some research and found a case report of postural orthostatic tachycardia syndrome in a patient after being the administration of the 1st dose of the Moderna Covid-19 vaccine. No treatment medications were reported. The publication was Unknown. Company Comment: This spontaneous case concerns a 46-year-old male patient with no medical history reported, who experienced the unexpected non-serious AESI of Postural orthostatic tachycardia syndrome that occurred in the context of first dose of mRNA-1273 vaccination. Latency cannot be assessed since vaccination date was not disclosed. The outcome of the event was reported as unknown. The benefit-risk relationship of mRNA-1273 Vaccine is not affected by this report. This case was linked to US-MODERNATX, INC.-MOD-2022-633799 (E2B Linked Report). Sender's Comments: This spontaneous case concerns a 46-year-old male patient with no medical history reported, who experienced the unexpected non-serious AESI of Postural orthostatic tachycardia syndrome that occurred in the context of first dose of mRNA-1273 vaccination. Latency cannot be assessed since vaccination date was not disclosed. The outcome of the event was reported as unknown. The benefit-risk relationship of mRNA-1273 Vaccine is not affected by this report. US-MODERNATX, INC.-MOD-2022-633799: Reporter's case (Female Patient).
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2427908-1	The night after receiving the vaccine my symptoms included cold sweat, shaking, dizziness, fatigue, unable to sleep and had an extremely high heart rate when standing. The symptoms such a dizziness, numbness, syncope, memory loss, severe fatigue, feeling faint, brain fog and high heart rate when standing persisted constantly. Then i was diagnosed with postural orthostatic tachycardia syndrome and Dysautonomia by a cardiac NP and a neurologist. i keep getting sinus infections over and over again.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2430984-1	On June 8th, woke up with severe dizziness, needed assistance. Since then I have what would qualify as POTS. The symptoms are improving slowly with time. Symptoms- dizzy when standing, heart racing, fatigue.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2440053-1	Tachycardia within 10 minutes of dose administration. Extreme headache, dizziness and sinus tachycardia starting 8/27/21. Later, it was diagnosed as Occipital Neuralgia. On going postural tachycardia which was diagnosed as Postural Orthostatic Tachycardia Syndrome (POTS) on 10/1/2021. It was confirmed that the above conditions are due to adverse effects of COVID vaccine at a Unknown hospital in December 2021. Patient continues to deal with the above symptoms along with positional headache which started around April 2022.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2441068-1	I received the booster in February. So the short version is over the past few months starting in May I have been in and out of emergency rooms 14 times for chest pain heart palpitations syncope and headaches. They continued to tell me there was nothing wrong and that it?s anxiety and follow up with your cardiologists and just kept waving me off and gave me the 35 and healthy speech over and over and over. Since this happened at work I was eventually advised to go to a different healthcare system all together where they quickly diagnosed me with dysautonomia, POTS, symptomatic bradycardia, orthostatic hypotension. I feel this is negligence and had this been caught earlier I might not be wheelchair bound. I believe all of this is directly related to the Covid Vaccine and specifically the booster. Prior to all of this I am a healthy 35 year old firefighter paramedic
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2450827-1	Developed POTS (postural orthostatic tachycardia) Numbness in my legs, Brain Fog, Issues with equilibrium, Overall feeling of sickness
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2452761-1	Started with arthralgias and myalgias. POTS. Lower extremity edema. Neuropathy with burning sensation in legs. Entire body itching. Fatigue. Tried Aspirin(helped), Plavix (stopped after 3 weeks since no improvement), Pepcid +Claritin helped but did not continue.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2462676-1	<p>Dysautonomia in April after completing Moderna vaccines; Postural Orthostatic Tachycardia Syndrome in April after completing Moderna vaccines.; This spontaneous case was reported by a patient family member or friend and describes the occurrence of AUTONOMIC NERVOUS SYSTEM IMBALANCE (Dysautonomia in April after completing Moderna vaccines) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural Orthostatic Tachycardia Syndrome in April after completing Moderna vaccines.) in a female patient of an unknown age who received mRNA-1273 (Moderna COVID-19 Vaccine) for COVID-19 prophylaxis. Family history included Guillain Barre syndrome (other sister), Autoimmune disorder (family history) since an unknown date, Crohn's disease (brother) since an unknown date and Postural orthostatic tachycardia syndrome (Both had POTS at the age of 17 years but did not had tachycardia or needed medication for it in the last 10 years.) since an unknown date. On an unknown date, the patient received dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) 1 dosage form. On an unknown date, received dose of mRNA-1273 (Moderna COVID-19 Vaccine) (unknown route) dosage was changed to 1 dosage form. In April 2021, the patient experienced AUTONOMIC NERVOUS SYSTEM IMBALANCE (Dysautonomia in April after completing Moderna vaccines) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural Orthostatic Tachycardia Syndrome in April after completing Moderna vaccines.). At the time of the report, AUTONOMIC NERVOUS SYSTEM IMBALANCE (Dysautonomia in April after completing Moderna vaccines) and POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (Postural Orthostatic Tachycardia Syndrome in April after completing Moderna vaccines.) outcome was unknown. Concomitant product use was not provided by the reporter. Treatment information was not provided. This case was identified as part of a retrospective clean-up activity where certain emails received in the Moderna mailbox were missed to be booked-in. Company comment: This spontaneous case concerns a female patient of unspecified age, with no medical history reported, who experienced the unexpected non-serious AESI event of Postural orthostatic tachycardia syndrome and unexpected nonserious event of Autonomic nervous system imbalance which occurred in context to a dose of mRNA-1273 vaccine. Latency cannot be assessed since vaccination date was not disclosed. No additional details of clinical course, concomitant medication was provided. The event outcome was unknown. The benefit-risk relationship of the mRNA-1273 vaccine is not affected by this report. Events seriousness was assessed as per medical judgement and available information. Reporter did not allow further contact; Sender's Comments: This spontaneous case concerns a female patient of unspecified age, with no medical history reported, who experienced the unexpected non-serious AESI event of Postural orthostatic tachycardia syndrome and unexpected nonserious event of Autonomic nervous system imbalance which occurred in context to a dose of mRNA-1273 vaccine. Latency cannot be assessed since vaccination date was not disclosed. No additional details of clinical course, concomitant medication was provided. The event outcome was unknown. The benefit-risk relationship of the mRNA-1273 vaccine is not affected by this report. Events seriousness was assessed as per medical judgement and available information.</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2469238-1	<p>postural orthostatic tachycardia syndrome; This spontaneous case was reported by a patient and describes the occurrence of POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (postural orthostatic tachycardia syndrome) in a 65-year-old male patient who received mRNA-1273 BIVALENT .222 (MODERNA COVID-19 VACCINE, BIVALENT (ORIGINAL ANDOMICRON BA.4/BA.5)) for COVID-19 vaccination. The patient did not have any allergy. The patient did not perform COVID-19 tests or diagnosis. The patient did not have any medical history relating to mentioned AE and both acute and chronic illness at the time of vaccination. Concomitant products included DIAZEPAM, DIAZEPAM (VALIUM), CLONIDINE and QUETIAPINE FUMARATE (SEROQUEL) for an unknown indication. On 12-Sep-2022, the patient received fifth dose of mRNA-1273 BIVALENT .222 (MODERNA COVID-19 VACCINE, BIVALENT (ORIGINAL ANDOMICRON BA.4/BA.5)) (unknown route) 1 dosage form. On 17-Sep-2022, the patient experienced POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (postural orthostatic tachycardia syndrome). At the time of the report, POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (postural orthostatic tachycardia syndrome) had not resolved. DIAGNOSTIC RESULTS (normal ranges are provided in parenthesis if available): On an unknown date, Heart rate: when he was sit his pulse was 60 and when he stand up his pulse raises to 90. For mRNA-1273 BIVALENT .222 (MODERNA COVID-19 VACCINE, BIVALENT (ORIGINAL ANDOMICRON BA.4/BA.5)) (Unknown), the reporter did not provide any causality assessments. Patient had previous doses of Moderna covid-19 vaccine -1st dose on 29-Jan-2021 (route intramuscular), 2nd dose on 26-Feb-2021 (route unknown), 1st booster dose on 10-Aug-2021 (route unknown) and 2nd booster on 20-Jan-2022 (route unknown). Patient did not experienced any AEs after previous dose, but 5 or 6 days after getting the bivalent booster, patient developed adverse event. Lot number and expiration date reported as unknown for suspect product. No other vaccines given within 1 month prior to Moderna COVID-19 vaccine. The patient did not experience any similar event in the past. The symptoms severity was same. No treatment has been given for this symptom, but patient mentioned he would go to visit a cardiologist soon. Company comment- This is a spontaneous case concerning a 65-year-old male patient treated with quetiapine for an unknown indication, who experienced the unexpected and non-serious AESI postural orthostatic tachycardia syndrome within 5 to 6 days after a dose of mRNA-1273.222 vaccine, given as a third booster dose of COVID-vaccine schedule, was administered. It was reported that patient did not experience any adverse events after previous doses, but 5 or 6 days after getting the bivalent booster patient developed postural orthostatic tachycardia syndrome. When he was sitting his pulse was 60, but when he stood up his pulse raised to 90. No treatment has been given for this symptom, but patient mentioned he would go to visit a cardiologist soon. Concomitant treatment with quetiapine remains as a confounder. The benefit-risk relationship of the mRNA-1273.222 vaccine is not affected by this report.; Sender's Comments: This is a spontaneous case concerning a 65-year-old male patient treated with quetiapine for an unknown indication, who experienced the unexpected and non-serious AESI postural orthostatic tachycardia syndrome within 5 to 6 days after a dose of mRNA-1273.222 vaccine, given as a third booster dose of COVID-vaccine schedule, was administered. It was reported that patient did not experience any adverse events after previous doses, but 5 or 6 days after getting the bivalent booster patient developed postural orthostatic tachycardia syndrome. When he was sitting his pulse was 60, but when he stood up his pulse raised to 90. No treatment has been given for this symptom, but patient mentioned he would go to visit a cardiologist soon. Concomitant treatment with quetiapine remains as a confounder. The benefit-risk relationship of the mRNA-1273.222 vaccine is not affected by this report.</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2472452-1	<p>"Small-fiber neuropathy; postural orthostatic tachycardia syndrome; high-pitched right ear tinnitus; This is a literature report. A 52-year-old male patient received BNT162b2 (BNT162B2), as dose 2, single (Batch/Lot number: unknown) for covid-19 immunisation. The patient's relevant medical history and concomitant medications were not reported. Vaccination history included: Bnt162b2 (DOSE 1, SINGLE), for COVID-19 immunisation. The following information was reported: NEUROPATHY PERIPHERAL (medically significant), outcome ""recovering"", described as ""Small-fiber neuropathy""; POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (medically significant), outcome ""recovering""; TINNITUS (medically significant), outcome ""recovering"", described as ""high-pitched right ear tinnitus"". The patient underwent the following laboratory tests and procedures: Amino acid level: Normal or negative; Antibody test (normal high range 7): 21.8, notes: Pre-PLEx titer (units/mL); 6.8, notes: Post-PLEx titer (units/mL); Antibody test (normal high range 15): 41.9, notes: Pre-PLEx titer (units/mL); 5, notes: Post-PLEx titer (units/mL); Antibody test (normal high range 8): 39.1, notes: Pre-PLEx titer (units/mL); 3.5, notes: Post-PLEx titer (units/mL); Antibody test (normal high range 9.8): 41.5, notes: Pre-PLEx titer (units/mL); 15.7, notes: Post-PLEx titer (units/mL); Antibody test (normal high range 25): 61.3, notes: Pre-PLEx titer (units/mL); 30.8, notes: Post-PLEx titer (units/mL); Antibody test (normal high range 9): 18.7, notes: Pre-PLEx titer (units/mL); 3.7, notes: Post-PLEx titer (units/mL); 25.5, notes: Pre-PLEx titer (units/mL); 3.3, notes: Post-PLEx titer (units/mL); Antinuclear antibody: Normal or negative; Biopsy skin: Revealed decreased epidermal nerve fiber density, notes: of 2.2/mm2 (normal 13.8) at the distal leg and 7.5/mm2 at the thigh (normal 21.1); Blood homocysteine: Normal or negative; Blood test: Normal or negative; Blood thyroid stimulating hormone: Normal or negative; C-reactive protein: Normal or negative; Double stranded DNA antibody: Normal or negative; Electrocardiogram: revealed significant postural tachycardia; Electromyogram: Normal, notes: In upper and lower extremities; Electrophoresis: Normal or negative; Full blood count: Normal or negative; Glycosylated haemoglobin increased: 5.7 %, notes: Mildly elevated; Heart rate: varying from 50 beats per minute (bpm) supine, notes: to 180 bpm standing with episodes of supraventricular tachycardia; Comprehensive metabolic profile: Normal or negative; Normal or negative; Magnetic resonance imaging: unremarkable; Magnetic resonance imaging head: unremarkable; Nerve conduction studies: Normal, notes: In upper and lower extremities; Neurological examination: normal except diminished sensation, notes: to temperature in the feet; Red blood cell sedimentation rate: Normal or negative; Vitamin B12: Normal or negative; Vitamin B6: Normal or negative. Therapeutic measures were taken as a result of neuropathy peripheral, postural orthostatic tachycardia syndrome, tinnitus. Clinical course: After two doses, he had paresthesias as well as burning and stabbing pain in the arms, face, and eyes, accompany by high-pitched right ear tinnitus. He subsequently developed orthostatic intolerance and was unable to stand and walk without syncope. These symptoms progressed for 5 months and cardiac monitoring revealed significant postural tachycardia with heart rate varying from 50 beats per minute (bpm) supine to 180 bpm standing with episodes of supraventricular tachycardia. Neurological examination was normal except diminished sensation to temperature in the feet. The patient was treated with nadolol 40 mg/day, with improvement in tachycardia. Gabapentin 600 mg three times daily for 1 month, amitriptyline 50 mg/day for 2 months, and trazodone 50 mg twice daily for 2 months resulted in no improvement in pain. He was then treated with intravenous immunoglobulin 2 g/kg one time, but he developed hemolytic anemia with the second treatment. He was started on subcutaneous immunoglobulin 200 mg/kg per week for three doses, with improvement of his neuropathic pain but significant worsening of tinnitus. A course of prednisone at 0.5 mg/kg per day for 1 month had no effect. He underwent five plasma exchanges (PLEx) over 10 days without side effects. His neuropathic pain began to improve after the second exchange and resolved after five exchanges. In addition, after the fourth exchange his heart rate and blood pressure remainder stable upon standing, permitting him to ambulate normally. His tinnitus persisted but improved. Subsequent antibody testing showed reduction of all titers; Sender's Comments: Based on the information provided, a causal relationship between BNT162B2 and the reported events ""Small-fiber neuropathy, tinnitus, postural orthostatic tachycardia syndrome"" cannot be excluded. The impact of this report on the benefit/risk profile of the Pfizer product is evaluated as part of Pfizer procedures for safety evaluation, including the review and analysis of aggregate data for adverse events. Any safety concern identified as part of this review, as well as any appropriate action in response, will be promptly notified to RAs, Ethics Committees, and Investigators, as appropriate."</p>
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2474254-1	<p>Immediately upon injection I tasted a salty/metal taste in my mouth. My left side got tingly and my ears rang. That night had the worst menstrual cramps of my life. My arm hurt so mad it felt like there were a million knives stabbing it and I could not sleep, graze a shirt sleeve against it or shower for days. The following days felt sick with a severe headache and flu symptoms. I then developed a giant red tender ring on my arm for 8 days. The morning the red arm rash disappeared I woke up with an extremely tight chest and it felt like someone was sitting on it and I could not breathe. I then started getting a racing pounding heart and my chest was in extreme pain as if someone poured cement in it, I had an elephant sitting on it, and my heart was being squeezed and stabbed at the same time and it would not slow down. These symptoms to this day are still here. Extreme fatigue, weakness, dizziness, throwing up, fast inappropriate pounding heart, chest pain and chest pressure, shortness of breath, exertion and out of breath with the slightest movement like my heart is non stop running a marathon. Loss of period for 9 months and now have been on my period for 3 months straight. Blacking out when standing, reactions to foods, tremors, joint pain, brain fog, non stop nausea, non stop vertigo, black floaters in my eyes. Diagnosed with Myocarditis & Pericarditis - I still have symptoms (seen multiple cardiologists) Diagnosed with POTS - I still have symptoms Diagnosed with more severe MCAS - I still have symptoms Diagnosed with Dysautonomia/Autonomic Dysfunction - I still have this Diagnosed with Chronic Fatigue syndrome - I still have this Diagnosed with Chronic Vertigo - I still have this Diagnosed with a Positive ANA - I still have this (Autoimmune Antibodies) Diagnosed with Lactic Acidosis Diagnosed with hypovolemia Diagnosed with Vaccine adverse reaction</p>

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2479860-1	A few weeks after receiving the vaccine I had a serious rash covering my legs and torso that lasted for several months, as well as an electrical shock feeling in my body that felt like zaps, also for months (and has recently returned). In January 2022 I started noticing palpitations and bought a heart monitor in March and noticed wild swings in heart rate and HRV, sometimes blackouts, lost consciousness at least once in February. I noticed around June that migraines were becoming more frequent (used to be quarterly; now at least once a month and sometimes up to five a month) and didn't make the connection with all the symptoms to the vaccine until around then. In September the cardiac issues felt serious enough that I went to a clinic (I'm high risk and a caretaker of a high-risk person and had avoided seeking in-person care due to low masking in my area). My provider said the blood work looked normal but sent me to a cardiologist. The cardiologist had me do a Holter monitor on two days where cardiac symptoms didn't feel like much (it's all off and on but has greatly affected my ability to work and function). He said the results looked normal but was concerned with the symptoms and, strongly suspecting POTS/dysautonomia, referred me to a neurologist/POTS clinic, which was booked until January 2023. Since then my symptoms have worsened; my legs turn purple each time I shower and if I stand or move around more than a few minutes I get dizzy, feel pressure building in my head and sometimes black out.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2486203-1	After first shot, I had severe fatigue, exercise intolerance, migraines, dizziness. After second shot, I had the same fatigue, exercise intolerance, migraine, dizziness, tachycardia, electrolyte imbalances, pins and needles all over my skin, light and sound sensitivity, GERD.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2486923-1	Admission Date: 10/15/2022 Discharge Date: 10/18/2022 PROCEDURES PERFORMED: Vaginal delivery Tubal ligation: No HOSPITAL COURSE: Patient underwent an uncomplicated vaginal delivery and was discharged home in stable condition. DELIVERY TYPE: Vaginal, Vacuum (Extractor) ESTIMATED DUE DATE: Estimated Date of Delivery: 11/4/22 GESTATIONAL AGE AT DELIVERY: 37w2d G1P0000 FINDINGS: NEWBORN STATUS: Living NEWBORN SEX: girl Delivery Date/Time: 10/16/22 9:53 AM WEIGHT: APGAR: 1 minutes 5 minutes 10 minutes 8 9 RESUSCITATION: Tactile stimulation PLACENTA REMOVAL: Spontaneous CORD VESSELS: 3 Vessels CORD COMPLICATIONS: Nuchal ANALGESIA METHOD: Epidural DELIVERY COURSE: Patient is a 31 y.o. G1P0000 female who presented to L&D at 37 weeks gestation for induction of labor due to fetal growth restriction. Pregnancy was complicated by maternal POTS, asthma, thrombocytopenia. Labor course included vaginal cytotec. Labor course complicated by category II fetal heart tones after epidural which improved somewhat with intrauterine resuscitation and IV phenylephrine. She progressed to complete at 0900. She pushed well with contractions. Category II fetal heart tones noted with intermittent deep late and prolonged decelerations. With fetus at 3+ station, fetal heart rate dropped to the 70s. Patient was consented to operative vaginal delivery with vacuum. Kiwi omnicup was applied to flexion point on fetal head, ensuring that maternal tissue was excluded. Traction was applied along with maternal effort over one contraction to bring fetal head to a crown. There were no pop offs. The vacuum was removed and patient continued to push. She went on to deliver the fetal head in a controlled fashion. Head restituted to face maternal left. No nuchal palpated. Anterior shoulder delivered with gentle downward traction of the head, followed by the posterior shoulder. Rest of the body followed with ease. Time of delivery was 0953. NICU was present at the delivery due to operative delivery and fetal growth restriction. A female infant was placed on the maternal abdomen and dried by RN. Delayed cord clamping was performed for 60 seconds and then the cord was clamped x2 and cut by the patient. The infant was then placed skin to skin on maternal chest. APGARS 8 and 9 . Mixed cord blood was obtained. Arterial and venous blood gases were obtained. Placenta delivered with fundal massage and gentle downward traction on the cord. Placenta appears intact and a three vessel cord is present. Pitocin infusion started to actively manage the third stage. Active bleeding noted. Uterine massage performed, small amount of clots evacuated from uterine cavity. 1g IV TXA administered. Active bleeding noted from left sided vaginal wall laceration, this was repaired in running locked fashion with 3-0 Vicryl and good hemostasis achieved. A shallow second degree perineal laceration was repaired in usual fashion using 3-0 vicryl. QBL 500 ml. Mother and baby remain skin to skin and bonding in the immediate postpartum period. Sponge, instrument and sharp counts were correct. Mother plans to breastfeed.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2489146-1	Four days after booster I had redness in fingers ? red, hardened skin ? and I still have this on my fingers. I also had an itchy scalp with no redness from October 2021 to July 2022. I started having night sweats that drenched the sheets every night and they lasted from October 2021 until August of 2022. COVID-19 and Mononucleosis in January 2022. COVID-19 symptoms were very mild. I was not having my periods since my second dose of Moderna in February of 2021. In January of 2022 we learned of hormonal deficiencies. I had an MRI of my brain to learn more and was diagnosed with Pituitary Micro Adenoma. I saw a rheumatologist and was diagnosed with Anti-Nuclear Antibodies (ANA). This was in April 2022. I was having gastrointestinal issues with regurgitations and was diagnosed with Gastro Paresis in September of 2022. In addition, my heart rate would go very high up to 140 just from standing and 170 when I would go upstairs. I was diagnosed with POTS by a cardiologist. I saw a pulmonologist for reason of shortness of breath. I began taking Corlanor to reduce tachycardia and responding well. They also found perforation in my nasal septum possibly from COVID-19. There was a 5mm hole that required 7-hour surgery to repair and reconstruct my nose. Acupuncture has resolved night sweats. Electric stimulation and Motegrity for Gastro Paresis. Diagnosis: Long COVID-19; POTS (Postural Orthostatic Tachycardia Syndrome) ; Gastro Paresis; Hypo Cortisolism; Pituitary Micro Adenoma; Hypogonad Atropic Hypogonadism; Anti-Nuclear Antibodies (ANA)
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19 VACCINE (COVID19)	2493824-1	This is a continuation from report completed on 3/22 by PT symptoms has worsened. On 3/22 my heart was in Tachycardia couldn't get my heart rate to go down. When the ER got there I was already passed out. At the ER had blood work, CT scan, EKG and Echocardiogram done I was hospitalized for 1 day. I saw my PCP on 3/29 after discharged, changed my medications, put me on different anxiety medications, explained my body is going through POTS and drink plenty of water with electrolytes. On 3/31 I had a PET scan at the hospital of my heart waiting for my results. I'm waiting on a phone call for a MRI from a HCF.
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19-2 (COVID19-2)	2450684-1	Pt developed severe nausea, vestibular migraines, severe vertigo, abdominal pain, hypotension and tachycardia. Systolic blood pressure ranging 60-80 and heart rate 120-170. Few months later pt diagnosed with POTS. Pt started on midodrine with small improvement in BP and HR. Multiple blood draws, MRI of brain and neck negative, LP negative, pulmonary stress test neg, tilt table test positive for POTS. More labs tests still pending at this time. Generally not improved, slight improvement in headaches with new med Qulipta and slight improvement on varying days in blood pressure and heart rate on midodrine. On disability at this time as lost job.

Symptoms	Vaccine Type	VAERS ID	Adverse Event Description
POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME	COVID19-2 (COVID19-2)	2478515-1	In the morning of the day following the COVID vaccine, I experienced symptoms that have since been diagnosed by a cardiologist as POTS--postural orthostatic tachycardia syndrome. My heart rate would increase significantly upon standing upright, and I was dizzy and exhausted when walking or moving about the house. This happened to me with my other Moderna shots as well, and intermittently over the last year. It's likely that I have had these symptoms with illness in a milder degree on an intermittent basis for many years, but they were debilitating enough that I tracked my heart rate during these instances. After vaccination, it would rise from the 60s/70s to 130-140 upon standing or walking throughout the house. The intensity subsided within 48 hours of vaccination, but I have had recurring instances in the month since then and was referred to a cardiologist this month, when I was diagnosed with POTS. I don't know think the vaccine caused this, but it might have exacerbated an underlying condition.

Note: Submitting a report to VAERS does not mean that healthcare personnel or the vaccine caused or contributed to the adverse event (possible side effect).

Notes:

Caveats: VAERS accepts reports of adverse events and reactions that occur following vaccination. Healthcare providers, vaccine manufacturers, and the public can submit reports to VAERS. While very important in monitoring vaccine safety, VAERS reports alone cannot be used to determine if a vaccine caused or contributed to an adverse event or illness. The reports may contain information that is incomplete, inaccurate, coincidental, or unverifiable. Most reports to VAERS are voluntary, which means they are subject to biases. This creates specific limitations on how the data can be used scientifically. Data from VAERS reports should always be interpreted with these limitations in mind.

The strengths of VAERS are that it is national in scope and can quickly provide an early warning of a safety problem with a vaccine. As part of CDC and FDA's multi-system approach to post-licensure vaccine safety monitoring, VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events, also known as "safety signals." If a safety signal is found in VAERS, further studies can be done in safety systems such as the CDC's Vaccine Safety Datalink (VSD) or the Clinical Immunization Safety Assessment (CISA) project. These systems do not have the same limitations as VAERS, and can better assess health risks and possible connections between adverse events and a vaccine.

Key considerations and limitations of VAERS data:

- Vaccine providers are encouraged to report any clinically significant health problem following vaccination to VAERS, whether or not they believe the vaccine was the cause.
- Reports may include incomplete, inaccurate, coincidental and unverified information.
- The number of reports alone cannot be interpreted or used to reach conclusions about the existence, severity, frequency, or rates of problems associated with vaccines.
- VAERS data are limited to vaccine adverse event reports received between 1990 and the most recent date for which data are available.
- VAERS data do not represent all known safety information for a vaccine and should be interpreted in the context of other scientific information.

Some items may have more than 1 occurrence in any single event report, such as Symptoms, Vaccine Products, Manufacturers, and Event Categories. If data are grouped by any of these items, then the number in the Events Reported column may exceed the total number of unique events. If percentages are shown, then the associated percentage of total unique event reports will exceed 100% in such cases. For example, the number of Symptoms mentioned is likely to exceed the number of events reported, because many reports include more than 1 Symptom. When more than 1 Symptom occurs in a single report, then the percentage of Symptoms to unique events is more than 100%. [More information.](#) ([/wonder/help/vaers.html#Suppress](#))

Data contains VAERS reports processed as of 11/04/2022. The VAERS data in WONDER are updated weekly, yet the VAERS system receives continuous updates including revisions and new reports for preceding time periods. Duplicate event reports and/or reports determined to be false are removed from VAERS. [More information.](#) ([/wonder/help/vaers.html#Reporting](#))

About COVID19 vaccines:

- For more information on how many persons have been vaccinated in the US for COVID19 to date, see <https://covid.cdc.gov/covid-data-tracker/#vaccinations/> (<https://covid.cdc.gov/covid-data-tracker/#vaccinations/>).
- One report may state that the patient received more than one brand of COVID-19 vaccine on the same visit. This is a reporting error, but explains why the total number of reports may not equal the total number of COVID-19 vaccine doses.

Help: See [The Vaccine Adverse Event Reporting System \(VAERS\) Documentation](#) ([/wonder/help/vaers.html](#)) for more information.

Query Date: Nov 17, 2022 3:34:41 PM

Suggested Citation:

United States Department of Health and Human Services (DHHS), Public Health Service (PHS), Centers for Disease Control (CDC) / Food and Drug Administration (FDA), Vaccine Adverse Event Reporting System (VAERS) 1990 - 11/04/2022, CDC WONDER On-line Database. Accessed at <http://wonder.cdc.gov/vaers.html> on Nov 17, 2022 3:34:41 PM

Query Criteria:

State / Territory: The United States/Territories/Unknown
Symptoms: POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME
Vaccine Products: COVID19 VACCINE (COVID19); COVID19-2 (COVID19-2)
VAERS ID: All
Group By: Symptoms; Vaccine Type; VAERS ID
Show Totals: False
Show Zero Values: False