

Allentown, PA 18109-9110

Phone: [REDACTED]
Toll Free: [REDACTED]
www.hnl.com

| | | | | | |
|--|------------------|-----------------------------------|--------------------|----------------------------------|-------------------------|
| Name: ADAIKKAPPAN, VIJAY | Sex: M | Date of Birth: 3/9/1983 | Age: 34Y | Social Security #: N/A | Client ID: C0 |
| Address: 1252 MEMORY LANE WEST CHESTER, PA 19380 | | Phone: (484) 716-9689 | | Client Name: [REDACTED] | |

| | | | |
|------------------------|---|--|-----------------------------------|
| Accession N16238587 | Collection Date/Time 12/16/2017 10:39 AM | Received Date/Time 12/16/2017 4:46 PM | Ordering Provider [REDACTED] |
| | | | Copy-to Provider(s) PATIENT-PA |

| Test Name | Flag | Result | Ref Range | Units | Lab |
|--------------------------------------|----------|------------|----------------|--------------|-----------|
| FASTING STATUS: Fasting | | | | | |
| COMPREHENSIVE METABOLIC PANEL | | | | | |
| GLUCOSE | | 75 | 65-99 | mg/dL | L1 |
| BLOOD UREA NITROGEN (BUN) | | 14 | 7-28 | mg/dL | L1 |
| CREATININE | | 0.88 | 0.53-1.30 | mg/dL | L1 |
| SODIUM | | 139 | 135-145 | mmol/L | L1 |
| POTASSIUM | | 4.4 | 3.5-5.2 | mmol/L | L1 |
| CHLORIDE | | 103 | 100-109 | mmol/L | L1 |
| CARBON DIOXIDE, TOTAL | | 29 | 23-31 | mmol/L | L1 |
| CALCIUM | | 9.6 | 8.5-10.1 | mg/dL | L1 |
| ALKALINE PHOSPHATASE, TOTAL | | 72 | 35-120 | U/L | L1 |
| ALBUMIN | | 4.7 | 3.5-4.8 | g/dL | L1 |
| BILIRUBIN, TOTAL | H | 2.7 | 0.2-1.0 | mg/dL | L1 |
| PROTEIN, TOTAL | | 8.1 | 6.3-8.3 | g/dL | L1 |
| AST (ASPARTATE AMINOTRANSFERASE) | | 21 | <41 | U/L | L1 |
| ALANINE AMINOTRANSFERASE | | 33 | <56 | U/L | L1 |
| ANION GAP | | 7 | 3-11 | | L1 |
| GFR, CALCULATED | | 112 | >60 | | L1 |

mL/min per 1.73 square meters

Normal Function or Mild Renal Disease (if clinically at risk): >or=60
Moderately Decreased: 30-59
Severely Decreased: 15-29
Renal Failure: <15

African-American GFR: multiply reported GFR by 1.16

Please note that the eGFR is based on the CKD-EPI calculation, and is not intended to be used for drug dosing.

Note: Calculated GFR may not be an accurate indicator of renal function if the patient's renal function is not in a steady state.

| | | | | | |
|--------------------------------|--|---------------------------------|---------|-------|----|
| HEMOGLOBIN A1c WITH eAG | | | | | |
| HEMOGLOBIN A1c | | 5.0 | <5.7 | % | L1 |
| | | Reference Range | | | |
| | | Non-diabetic | <5.7 | | |
| | | Pre-diabetic | 5.7-6.4 | | |
| | | Diabetic | >=6.5 | | |
| | | ADA target for diabetic control | <=7 | | |
| ESTIMATED AVERAGE GLUCOSE | | 97 | <154 | mg/dL | L1 |

L1 = HNL, 794 Roble Road, Allentown, PA 18109



| Patient Information | Specimen Information | Client Information |
|---|---|--|
| ADAIKKAPPAN, VIJAY M DOB: 03/09/1983 AGE: 30 Gender: M Phone: 484- Patient ID: 19830309MVMA Health ID: 8573004152572741 | Specimen: NE007146Q Requisition: 0003136 Collected: 05/15/2013 / 09:00 EDT Received: 05/16/2013 / 02:43 EDT Reported: 05/23/2013 / 11:49 EDT (* A Copy From) | Client #: Not Given 9999999 ADAIKKAPPAN VIJAY M WEST CHESTER, PA 19380 |

COMMENTS: FASTING

| Test Name | In Range | Out Of Range | Reference Range | Lab |
|------------------------------------|----------------|---------------|----------------------------|-----|
| COMPREHENSIVE METABOLIC PANEL | | | | QHO |
| GLUCOSE | 82 | | 65-99 mg/dL | |
| | | | Fasting reference interval | |
| UREA NITROGEN (BUN) | 11 | | 7-25 mg/dL | |
| CREATININE | 0.86 | | 0.60-1.35 mg/dL | |
| eGFR NON-AFR. AMERICAN | 116 | | > OR = 60 mL/min/1.73m2 | |
| eGFR AFRICAN AMERICAN | 135 | | > OR = 60 mL/min/1.73m2 | |
| BUN/CREATININE RATIO | NOT APPLICABLE | | 6-22 (calc) | |
| SODIUM | 142 | | 135-146 mmol/L | |
| POTASSIUM | 4.0 | | 3.5-5.3 mmol/L | |
| CHLORIDE | 106 | | 98-110 mmol/L | |
| CARBON DIOXIDE | 27 | | 19-30 mmol/L | |
| CALCIUM | 9.8 | | 8.6-10.3 mg/dL | |
| PROTEIN, TOTAL | 6.9 | | 6.1-8.1 g/dL | |
| ALBUMIN | 4.6 | | 3.6-5.1 g/dL | |
| GLOBULIN | 2.3 | | 1.9-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 2.0 | | 1.0-2.5 (calc) | |
| BILIRUBIN, TOTAL | | 2.0 H | 0.2-1.2 mg/dL | |
| ALKALINE PHOSPHATASE | 68 | | 40-115 U/L | |
| AST | 20 | | 10-40 U/L | |
| ALT | 18 | | 9-60 U/L | |
| IMMUNOGLOBULIN A | 177 | | 81-463 mg/dL | QHO |
| BILIRUBIN, FRACTIONATED | | | | QHO |
| BILIRUBIN, TOTAL | | 2.0 H | 0.2-1.2 mg/dL | |
| BILIRUBIN, DIRECT | | 0.4 H | < OR = 0.2 mg/dL | |
| BILIRUBIN, INDIRECT | | 1.6 H | 0.2-1.2 mg/dL (calc) | |
| SED RATE BY MODIFIED WESTERGREN | 2 | | < OR = 15 mm/h | QHO |
| CBC (H/H, RBC, INDICES, WBC, PLT) | | | | QHO |
| WHITE BLOOD CELL COUNT | 3.8 | | 3.8-10.8 Thousand/uL | |
| RED BLOOD CELL COUNT | 5.26 | | 4.20-5.80 Million/uL | |
| HEMOGLOBIN | 14.3 | | 13.2-17.1 g/dL | |
| HEMATOCRIT | 43.4 | | 38.5-50.0 % | |
| MCV | 82.6 | | 80.0-100.0 fL | |
| MCH | 27.2 | | 27.0-33.0 pg | |
| MCHC | 33.0 | | 32.0-36.0 g/dL | |
| RDW | | 15.1 H | 11.0-15.0 % | |
| PLATELET COUNT | 185 | | 140-400 Thousand/uL | |
| GLIADIN (DEAMIDATED) AB (IGG, IGA) | | | | QHO |
| GLIADIN (DEAMIDATED) AB (IGA) | 9 | | | |
| | | | Units | |
| | | | Value Interpretation | |
| | | | <20 Antibody not detected | |
| | | | >or=20 Antibody detected | |
| GLIADIN (DEAMIDATED) | | | | |

| Patient Information | Specimen Information | Client Information |
|---|---|--|
| ADAIKKAPPAN, VIJAY DOB: 03/09/1983 AGE: 32 Gender: M Phone: 484- Patient ID: 27414 Health ID: 8573004152572741 | Specimen: NE705964G Requisition: 0044668 Collected: 07/17/2015 / 11:02 EDT Received: 07/18/2015 / 00:55 EDT Reported: 07/18/2015 / 01:59 EDT (* A Copy From) | Client #: Not Given 9999999 ADAIKKAPPAN VIJAY 1252 MEMORY LANE WEST CHESTER, PA 19380 |

| Test Name | In Range | Out Of Range | Reference Range | Lab QHO |
|-------------------------------|----------------|--------------|----------------------------|---------|
| COMPREHENSIVE METABOLIC PANEL | | | | |
| GLUCOSE | 79 | | 65-99 mg/dL | |
| | | | Fasting reference interval | |
| UREA NITROGEN (BUN) | 11 | | 7-25 mg/dL | |
| CREATININE | 0.93 | | 0.60-1.35 mg/dL | |
| eGFR NON-AFR. AMERICAN | 108 | | > OR = 60 mL/min/1.73m2 | |
| eGFR AFRICAN AMERICAN | 125 | | > OR = 60 mL/min/1.73m2 | |
| BUN/CREATININE RATIO | NOT APPLICABLE | | 6-22 (calc) | |
| SODIUM | 139 | | 135-146 mmol/L | |
| POTASSIUM | 4.2 | | 3.5-5.3 mmol/L | |
| CHLORIDE | 103 | | 98-110 mmol/L | |
| CARBON DIOXIDE | 29 | | 19-30 mmol/L | |
| CALCIUM | 10.0 | | 8.6-10.3 mg/dL | |
| PROTEIN, TOTAL | 7.6 | | 6.1-8.1 g/dL | |
| ALBUMIN | 4.9 | | 3.6-5.1 g/dL | |
| GLOBULIN | 2.7 | | 1.9-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 1.8 | | 1.0-2.5 (calc) | |
| BILIRUBIN, TOTAL | | 2.4 H | 0.2-1.2 mg/dL | |
| ALKALINE PHOSPHATASE | 58 | | 40-115 U/L | |
| AST | 19 | | 10-40 U/L | |
| ALT | 19 | | 9-46 U/L | |

Name: ADAIKKAPPAN, VIJAY

Patient ID: 1542791

Gender: M

Provider

Provider

Account No: 7644

Specimen

Accession No: B5202617

Report Date & Time: 03.25.2018 2:19 PM

| Test Name | Low | Normal | High | Notes | Previous Results 01.05.18 |
|-----------|-----|--------|------|-------|------------------------------|
|-----------|-----|--------|------|-------|------------------------------|

Chemistry Tests

| BUN | | 9.8 | | | |
|----------------------|---------|------------|-------------------|-------|------------------------------|
| | <3.0 | 3.0-25.0 | >25.0 mg/dL | | |
| Creatinine | | 0.78 | | | |
| | <0.67 | 0.67-1.17 | >1.17 mg/dL | | |
| Sodium | | 141 | | | |
| | <135 | 135-146 | >146 mmol/L | | |
| Potassium | | 4.0 | | | |
| | <3.5 | 3.5-5.3 | >5.3 mmol/L | | |
| Chloride | | 100 | | | |
| | <98 | 98-110 | >110 mmol/L | | |
| CO ₂ | | 30 | | | |
| | <20 | 20-31 | >31 mmol/L | | |
| Anion Gap | | 11 | | | |
| | <3 | 3-16 | >16 mmol/L | | |
| Total Protein | | 7.2 | | | |
| | <6.6 | 6.6-8.7 | >8.7 g/dL | | |
| Albumin | | 4.9 | | | 4.8 |
| | <3.5 | 3.5-5.2 | >5.2 g/dL | | |
| Calcium | | 9.9 | | | |
| | <8.6 | 8.6-10.4 | >10.4 mg/dL | | |
| Total Bilirubin | | | 2.7 | | |
| | | 0.0-1.2 | >1.2 mg/dL | | |
| Direct Bilirubin | | 0.3 | | | 0.3 |
| | | 0.0-0.3 | >0.3 mg/dL | | |
| Test Name | Optimal | Borderline | High Risk | Notes | Previous Results 01.05.18 |
| Uric Acid | 4.6 | | | | 4.7 |
| | <7 | 7-10 | >10 mg/dL | | |
| Glucose ² | 76 | | | | TNP |
| | 70-99 | 100-125 | <70 or >125 mg/dL | | |
| AST | 17 | | | | |
| | <40 | 40-120 | >120 U/L | | |
| ALT | 14 | | | | |
| | <40 | 40-120 | >120 U/L | | |
| Alkaline Phosphatase | 66 | | | | |
| | <130 | 130-200 | >200 U/L | | |

| Test Name | Low | Normal | High | Notes | Previous Results 01.05.18 |
|-----------|-----|--------|------|-------|------------------------------|
|-----------|-----|--------|------|-------|------------------------------|

Other Kidney Tests

| Magnesium | | 2.0 | | | 2.2 |
|-----------------------------|---------|------------|--------------------------------|-------|------------------------------|
| | <1.6 | 1.6-2.6 | >2.6 mg/dL | | |
| Phosphorus | | 3.4 | | | TNP |
| | <2.5 | 2.5-4.5 | >4.5 mg/dL | | |
| Test Name | Optimal | Borderline | High | Notes | Previous Results 01.05.18 |
| BUN/Creatinine | 12.6 | | | | |
| | <=23 | | >23 | | |
| eGFR / Non-African American | 117 | | | | |
| | >60 | 30-60 | <30 mL/min/1.73 m ² | | |
| eGFR / African American | 136 | | | | |
| | >60 | 30-60 | <30 mL/min/1.73 m ² | | |

Muscle Tests

| Creatine Kinase (CK) | 76 | | | | 83 |
|----------------------|------|----------|-----------|-------|------------------------------|
| | <300 | 300-1500 | >1500 U/L | | |
| Test Name | Low | Normal | High | Notes | Previous Results 01.05.18 |

Iron Tests

| Iron | | 112 | | | |
|-----------|------|---------|------------|-------|------------------------------|
| | <59 | 59-158 | >158 µg/dL | | |
| UIBC | | 200 | | | |
| | <112 | 112-347 | >347 µg/dL | | |
| TIBC | | 312 | | | |
| | <250 | 250-370 | >370 µg/dL | | |
| Ferritin | | 156 | | | |
| | <30 | 30-400 | >400 ng/mL | | |
| Test Name | Low | Mid | High | Notes | Previous Results 01.05.18 |

Other Tests

| | | | | | |
|------------------|---------|---------|--------------------|---|--|
| B12 | | 538 | | 9 | |
| | 300-450 | 451-946 | <300 or >946 pg/mL | | |
| Vitamin D, 25-OH | | 54 | | | |
| | <30 | 30-100 | >100 ng/mL | | |

| | | | | | |
|------------------------------------|--------|----------|--|--|--|
| Name: ADAIKKAPPAN, VIJAY | | | ADAIKKAPPAN, VIJAY 1252 MEMORY LANE | | |
| DOB: 3/9/1983 | Sex: M | Age: 35Y | WEST CHESTER, PA 19380 | | |
| SSN: N/A | | | | | |
| Phone: (484) [REDACTED] | | | | | |
| Client Name: [REDACTED] | | | | | |

| | | | |
|--------------------------------|--|--|--|
| Accession (Final) N16766043 | Collection Date/Time 05/17/2018 7:52 AM | Received Date/Time 05/17/2018 6:39 PM | Ordering Provider [REDACTED] Copy-To Provider(s) PATIENT-PA |
|--------------------------------|--|--|--|

| Test Name | Flag | Result | Ref Range | Units | Lab |
|--------------------------------------|----------|--|-----------|--------|-----|
| FASTING STATUS: Fasting | | | | | |
| ALDOSTERONE | | 11.4 | | ng/dL | L1 |
| | | Reference Range Upright(S) <3.0-39.2 ng/dL Supine(S) <3.0-23.2 ng/dL | | | |
| CORTISOL | | 19.5 | 3.1-22.4 | ug/dL | L1 |
| | | Reference Range (7-9 am): 4.3-22.4 ug/dL (3-5 pm): 3.1-16.7 ug/dL | | | |
| PROLACTIN | | 6.8 | 2.1-17.7 | ng/mL | L1 |
| SEX HORMONE BINDING GLOBULIN | | 48 | 9-54 | nmol/L | L1 |
| TESTOSTERONE, TOTAL | | 828 | 240-900 | ng/dL | L1 |
| | | Note: Androgen insufficiency may be present in patients whose total testosterone is within the reference range, especially in elderly men. | | | |
| COMPREHENSIVE METABOLIC PANEL | | | | | |
| GLUCOSE | | 83 | 65-99 | mg/dL | L1 |
| BLOOD UREA NITROGEN (BUN) | | 12 | 7-28 | mg/dL | L1 |
| CREATININE | | 0.85 | 0.53-1.30 | mg/dL | L1 |
| SODIUM | | 140 | 135-145 | mmol/L | L1 |
| POTASSIUM | | 4.4 | 3.5-5.2 | mmol/L | L1 |
| CHLORIDE | | 105 | 100-109 | mmol/L | L1 |
| CARBON DIOXIDE, TOTAL | | 28 | 23-31 | mmol/L | L1 |
| CALCIUM | | 9.8 | 8.5-10.1 | mg/dL | L1 |
| ALKALINE PHOSPHATASE, TOTAL | | 65 | 35-120 | U/L | L1 |
| ALBUMIN | | 4.6 | 3.5-4.8 | g/dL | L1 |
| BILIRUBIN, TOTAL | H | 2.0 | 0.2-1.0 | mg/dL | L1 |
| PROTEIN, TOTAL | | 7.7 | 6.3-8.3 | g/dL | L1 |

L1 = HNL, 794 Roble Road, Allentown, PA 18109

AR = Referenced to: [REDACTED]

Specimen ID: 154-339-1700-0
Control ID: B0090496621

Acct #: 37123665

Phone: (610) [REDACTED]

Rte: CI

ADAIKKAPPAN, VIJAY
1252 MEMORY LN
WEST CHESTER PA 19380
(610) 993-4333

[REDACTED]
PAOLI PA 19301



Patient Details

DOB: 03/09/1983
Age(y/m/d): 036/02/25
Gender: M SSN:
Patient ID: 17475

Specimen Details

Date collected: 06/03/2019 1109 Local
Date received: 06/03/2019
Date entered: 06/03/2019
Date reported: 06/04/2019 0822 ET

Physician Details

Ordering [REDACTED]
Referring:
ID:
NPI: 1336156785

General Comments & Additional Information

Alternate Control Number: B0090496621
Total Volume: Not Provided

Alternate Patient ID: 17475
Fasting: No

Ordered Items

Hepatic Function Panel (7); Prostate-Specific Ag, Serum

| TESTS | RESULT | FLAG | UNITS | REFERENCE INTERVAL | LAB |
|-----------------------------------|-------------|-------------|-------|--------------------|-----|
| Hepatic Function Panel (7) | | | | | |
| Protein, Total | 8.2 | | g/dL | 6.0 - 8.5 | 01 |
| Albumin | 5.4 | | g/dL | 3.5 - 5.5 | 01 |
| Bilirubin, Total | 2.4 | High | mg/dL | 0.0 - 1.2 | 01 |
| Bilirubin, Direct | 0.42 | High | mg/dL | 0.00 - 0.40 | 01 |
| Alkaline Phosphatase | 71 | | IU/L | 39 - 117 | 01 |
| AST (SGOT) | 27 | | IU/L | 0 - 40 | 01 |
| ALT (SGPT) | 26 | | IU/L | 0 - 44 | 01 |

Prostate-Specific Ag, Serum

Prostate Specific Ag, Serum 0.6 ng/mL 0.0 - 4.0 01

Roche ECLIA methodology.

According to the American Urological Association, Serum PSA should decrease and remain at undetectable levels after radical prostatectomy. The AUA defines biochemical recurrence as an initial PSA value 0.2 ng/mL or greater followed by a subsequent confirmatory PSA value 0.2 ng/mL or greater.

Values obtained with different assay methods or kits cannot be used interchangeably. Results cannot be interpreted as absolute evidence of the presence or absence of malignant disease.

01 RN LabCorp Raritan Dir: Araceli B Reyes, MD
69 First Avenue, Raritan, NJ 08869-1800

For inquiries, the physician may contact Branch: 800-631-5250 Lab: 800-631-5250

Ordered Items: **Lipid Panel w/ Chol/HDL Ratio; T4 and TSH; Homocyst(e)ine; Bilirubin, Total; Triiodothyronine (T3)**

Date Collected: **08/20/2021**

Date Received: **08/20/2021**

Date Reported: **08/21/2021**

Fasting: **Yes**

Clinical Info

| Test | Current Result and Flag | Previous Result and Date | Units | Reference Interval |
|---------------------------------|-------------------------|--------------------------|-------|--------------------|
| Cholesterol Total ⁰¹ | 174 | 178 04/08/2021 | mg/dL | 100-199 |
| HDL Cholesterol ⁰¹ | 57 | 52 04/08/2021 | mg/dL | >39 |
| VLDL Cholesterol Cal | 12 | 29 04/08/2021 | mg/dL | 5-40 |
| T. Chol/HDL Ratio | 3.1 | 3.4 04/08/2021 | ratio | 0.0-5.0 |

Please Note:⁰¹

| T. Chol/HDL Ratio | | |
|-------------------|------|-------|
| | Men | Women |
| 1/2 Avg. Risk | 3.4 | 3.0 |
| Avg. Risk | 5.0 | 4.4 |
| 2X Avg. Risk | 9.0 | 7.1 |
| 3X Avg. Risk | 23.4 | 11.0 |

LAB TESTS

| Test | Current Result and Flag | Previous Result and Date | Units | Reference Interval |
|------------------------------|-------------------------|--------------------------|--------|--------------------|
| TSH ⁰¹ | 3.430 | 2.91 04/08/2021 | uIU/mL | 0.450-4.500 |
| Thyroxine (T4) ⁰¹ | 4.8 | | ug/dL | 4.5-12.0 |

Homocyst(e)ine

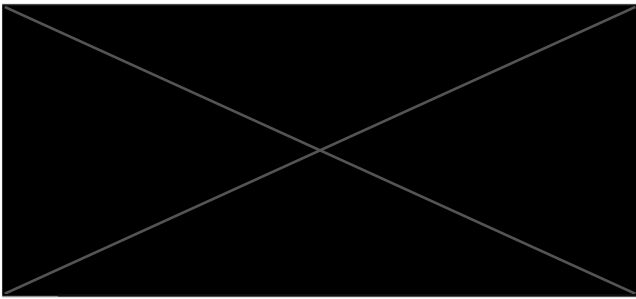
| Test | Current Result and Flag | Previous Result and Date | Units | Reference Interval |
|------------------------------|-------------------------|--------------------------|--------|--------------------|
| Homocyst(e)ine ⁰¹ | 10.0 | 20.6 04/08/2021 | umol/L | 0.0-14.5 |

Bilirubin, Total

| Test | Current Result and Flag | Previous Result and Date | Units | Reference Interval |
|--------------------------------|-------------------------|--------------------------|-------|--------------------|
| Bilirubin, Total ⁰¹ | 1.1 | 1.0 04/08/2021 | mg/dL | 0.0-1.2 |

Triiodothyronine (T3)

| Test | Current Result and Flag | Previous Result and Date | Units | Reference Interval |
|-------------------------------------|-------------------------|--------------------------|-------|--------------------|
| Triiodothyronine (T3) ⁰¹ | 72 | | ng/dL | 71-180 |



Phone: (215) [redacted]
Fax: (215) [redacted]

Exam requested by:



WEST CHESTER PA/Pennsylvania 19380
Fax: (610) [redacted]
CT ABDOMEN/PELVIS WITH CONTRAST (with AEC) [74177] -
Body

Patient: ADAIKKAPPAN, VIJAY
Date of Birth: 03-09-1983
Phone: (484) [redacted]
MRN: 119689T Acc: ER103676011
Date of Exam: 12-02-2016

EXAM: CT ABDOMEN AND PELVIS WITH CONTRAST

CLINICAL HISTORY: Abnormal weight loss.

COMPARISON: None

TECHNIQUE: Helical axial CT scanning of the abdomen pelvis was performed following the oral administration of contrast and the intravenous administration of 100 cc Isovue 370. Coronal and sagittal reformatted images were obtained.

FINDINGS:

The lower chest shows no significant abnormality.

The liver is normal in size. A subcentimeter nonenhancing focus high in the anterior right lobe is too small to accurately characterize. No other focal abnormality is seen. The gallbladder shows no evidence of cholelithiasis.

The spleen, pancreas, adrenal glands, and kidneys are normal in size and appearance. No hydronephrosis is present.

A normal caliber aortoiliac vasculature is seen. No retroperitoneal, pelvic, or femoral adenopathy is present, nor is there evidence of ascites. The urinary bladder is satisfactorily distended without wall thickening or intraluminal calculus.

The bowel shows no suspicious abnormality. There is a paucity of intra-abdominal fat which limits assessment of the mesentery.

The bony structures are normal in appearance.

IMPRESSION:

Subcentimeter nonenhancing right lobe liver lesion, too small to accurately characterize. No other significant abnormality is identified.

Thank you for referring your patient to [redacted]

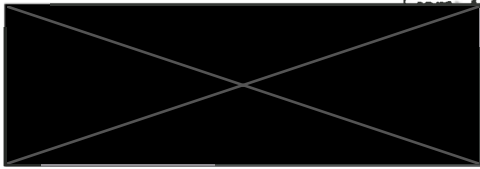


MD

Electronically Signed: 12/02/2016

Delaware

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[Redacted]
 [Redacted] M.D. Laboratory Director
 [Redacted] M.D. Medical Director
 Phone (484) [Redacted]
 Toll Free (877) [Redacted]
 www.healthnet[Redacted]

| | | | | | | |
|--|----------------------------|---|--------------------|----------------------------------|----------------------------|--|
| Name: ADAIKKAPPAN, VIJAY | Sex: M | Date of Birth: 3/9/1983 | Age: 33Y | Social Security #: N/A | Client ID: C5397 | |
| Address: [Redacted] WEST CHESTER, PA 19380 | Phone: (484) [Redacted] | Client Name: [Redacted] GASTROINTESTINAL GROUP | | | | |

| | | | |
|--------------------------------|---|---|---|
| Accession (First) N15088123 | Collection Date/Time 12/31/2016 10:26 AM | Received Date/Time 12/31/2016 10:57 PM | Ordering Provider [Redacted] MD Copy-To Provider(s) PATIENT-PA |
|--------------------------------|---|---|---|

| Test Name | Flag | Result | Ref Range | Units | Lab |
|---|------|---------|-----------|-------|-----|
| FASTING STATUS: | | Fasting | | | |
| ALPHA-FETOPROTEIN, TUMOR MARKER | | 1.2 | <11.0 | ng/mL | L1 |
| Reference Range | | | | | |
| Normal <6.0 | | | | | |
| Equivocal/Indeterminate 6.0-10.9 | | | | | |
| Elevated >10.9 | | | | | |
| L1 = HNL, 794 Roble Road, Allentown, PA 18109 | | | | | |

Name: ADAIKKAPPAN, VIJAY
 MR#: 1000621747

End of Report
 Page: 1
 1/2/2017 09:00

This fax was received [Redacted] For more information visit [Redacted]

PATIENT INFORMATION
ADAIKKAPPAN, VIJAY M

REPORT STATUS **FINAL**

DIAGNOSTICS
 CLIENT SERVICE 866

DOB: 03/09/1983 AGE: 26
 GENDER: M

ORDERING PHYSICIAN
C

SPECIMEN INFORMATION
 SPECIMEN: NE605668D
 REQUISITION: 0003246
 LAB REF: NQE

ID: 03091983VA
 PHONE: 484.

CLIENT INFORMATION
 N19335060 RE11
MEDICAL ASSOCIATES
 DOWNINGTOWN, PA 19335-3315

COLLECTED: 06/08/2009 08:26 ET
 RECEIVED: 06/08/2009 19:29 ET
 REPORTED: 06/09/2009 12:21 ET

| Test Name | In Range | Out of Range | Reference Range | Lab |
|--|----------------|--------------|---|-----|
| LIPID PANEL | | | | |
| TRIGLYCERIDES | 86 | | <150 mg/dL | QHO |
| CHOLESTEROL, TOTAL | 135 | | 125-200 mg/dL | QHO |
| HDL CHOLESTEROL | | 32 L | > OR = 40 mg/dL | QHO |
| LDL-CHOLESTEROL | 86 | | <130 mg/dL (calc) | QHO |
| DESIRABLE RANGE <100 MG/DL FOR PATIENTS WITH CHD OR DIABETES AND <70 MG/DL FOR DIABETIC PATIENTS WITH KNOWN HEART DISEASE. | | | | |
| CHOL/HDLRATIO | 4.2 | | < OR = 5.0 (calc) | QHO |
| COMPREHENSIVE METABOLIC PANEL W/EGFR | | | | QHO |
| GLUCOSE | 80 | | 65-99 mg/dL FASTING REFERENCE INTERVAL | |
| UREA NITROGEN (BUN) | 14 | | 7-25 mg/dL | |
| CREATININE | 0.94 | | 0.80-1.30 mg/dL | |
| eGFR NON-APR. AMERICAN | >60 | | > OR = 60 mL/min/1.73m2 | |
| eGFR AFRICAN AMERICAN | >60 | | > OR = 60 mL/min/1.73m2 | |
| BUN/CREATININE RATIO | NOT APPLICABLE | | 6-22 (calc) | |
| BUN/CREATININE RATIO IS NOT REPORTED WHEN THE BUN AND CREATININE VALUES ARE WITHIN NORMAL LIMITS. | | | | |
| SODIUM | 140 | | 135-146 mmol/L | |
| POTASSIUM | 4.2 | | 3.5-5.3 mmol/L | |
| CHLORIDE | 103 | | 98-110 mmol/L | |
| CARBON DIOXIDE | 28 | | 21-33 mmol/L | |
| CALCIUM | 9.8 | | 8.6-10.2 mg/dL | |
| PROTEIN, TOTAL | 7.3 | | 6.2-8.3 g/dL | |
| ALBUMIN | 4.7 | | 3.6-5.1 g/dL | |
| GLOBULIN | 2.6 | | 2.1-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 1.8 | | 1.0-2.1 (calc) | |
| BILIRUBIN, TOTAL | | 1.6 H | 0.2-1.2 mg/dL | |
| ALKALINE PHOSPHATASE | 74 | | 40-115 U/L | |
| AST | 18 | | 10-40 U/L | |
| ALT | 26 | | 7-60 U/L | |

| Patient Information | Specimen Information | Client Information |
|--|---|---|
| ADAIKKAPPAN, VIJAY M DOB: 03/09/1983 AGE: 27 Gender: M Phone: 484 [REDACTED] Patient ID: 03091983VA | Specimen: NE408768S Requisition: 0004174 Lab Ref #: NQE Collected: 01/17/2011 / 08:10 EST Received: 01/17/2011 / 23:05 EST Reported: 01/19/2011 / 05:53 EST (* A Copy From) | Client #: Not Given 9999999 [REDACTED] ADAIKKAPPAN VIJAY M [REDACTED] EXTON, PA 19341 |

COMMENTS: FASTING

| Test Name | In Range | Out Of Range | Reference Range | Lab |
|--------------------|----------|--------------|-------------------|-----|
| LIPID PANEL | | | | |
| CHOLESTEROL, TOTAL | 141 | | 125-200 mg/dL | QHO |
| HDL CHOLESTEROL | | 32 L | > OR = 40 mg/dL | QHO |
| TRIGLYCERIDES | 48 | | <150 mg/dL | QHO |
| LDL-CHOLESTEROL | 99 | | <130 mg/dL (calc) | QHO |

Desirable range <100 mg/dL for patients with CHD or diabetes and <70 mg/dL for diabetic patients with known heart disease.

| | | | | |
|----------------|-----|--|-------------------|-----|
| CHOL/HDLRATIO | 4.4 | | < OR = 5.0 (calc) | QHO |
| CARDIO CRP (R) | 0.9 | | mg/L | QHO |

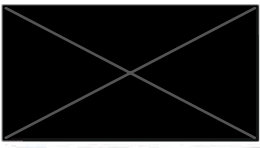
Lower relative cardiovascular risk according to AHA/CDC guidelines.

For ages >17 Years:

cCRP mg/L Risk According to AHA/CDC Guidelines
 <1.0 Lower relative cardiovascular risk.
 1.0-3.0 Average relative cardiovascular risk.
 3.1-10.0 Higher relative cardiovascular risk.
 Consider retesting in 1 to 2 weeks to exclude a benign transient elevation in the baseline CRP value secondary to infection or inflammation.
 >10.0 Persistent elevation, upon retesting, may be associated with infection and inflammation.

COMPREHENSIVE METABOLIC PANEL W/eGFR QHO

| | | | | |
|----------------------------|----------------|--------------|-------------------------|--|
| GLUCOSE | 96 | | 65-99 mg/dL | |
| Fasting reference interval | | | | |
| UREA NITROGEN (BUN) | 18 | | 7-25 mg/dL | |
| CREATININE | 0.96 | | 0.80-1.30 mg/dL | |
| eGFR NON-AFR. AMERICAN | >60 | | > OR = 60 mL/min/1.73m2 | |
| eGFR AFRICAN AMERICAN | >60 | | > OR = 60 mL/min/1.73m2 | |
| BUN/CREATININE RATIO | NOT APPLICABLE | | 6-22 (calc) | |
| SODIUM | 139 | | 135-146 mmol/L | |
| POTASSIUM | 4.1 | | 3.5-5.3 mmol/L | |
| CHLORIDE | 104 | | 98-110 mmol/L | |
| CARBON DIOXIDE | 28 | | 21-33 mmol/L | |
| CALCIUM | 9.6 | | 8.6-10.2 mg/dL | |
| PROTEIN, TOTAL | 7.6 | | 6.2-8.3 g/dL | |
| ALBUMIN | 4.9 | | 3.6-5.1 g/dL | |
| GLOBULIN | 2.7 | | 2.1-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 1.8 | | 1.0-2.1 (calc) | |
| BILIRUBIN, TOTAL | | 1.5 H | 0.2-1.2 mg/dL | |
| ALKALINE PHOSPHATASE | 65 | | 40-115 U/L | |



| Patient Information | Specimen Information | Client Information |
|---|---|---|
| ADAIKKAPPAN, VIJAY M DOB: 03/09/1983 AGE: 29 Gender: M Phone: 48 [REDACTED] Patient ID: 03091983VA | Specimen: NE388609G Requisition: 0004732 Lab Ref #: NQE Collected: 06/07/2012 / 07:38 EDT Received: 06/08/2012 / 04:23 EDT Reported: 06/11/2012 / 16:07 EDT (* A Copy From) | Client #: Not Given 9999999 ADAIKKAPPAN VIJAY M [REDACTED] EXTON, PA 19341 |

COMMENTS: FASTING

| Test Name | In Range | Out Of Range | Reference Range | Lab |
|---------------------------|----------|--------------|-------------------|-----|
| LIPID PANEL | | | | |
| CHOLESTEROL, TOTAL | | 99 L | 125-200 mg/dL | QHO |
| HDL CHOLESTEROL | | 26 L | > OR = 40 mg/dL | QHO |
| TRIGLYCERIDES | 67 | | <150 mg/dL | QHO |
| LDL-CHOLESTEROL | 60 | | <130 mg/dL (calc) | QHO |

Desirable range <100 mg/dL for patients with CHD or diabetes and <70 mg/dL for diabetic patients with known heart disease.

| | | | | |
|---------------------|-----|--|-------------------|-----|
| CHOL/HDL C RATIO | 3.8 | | < OR = 5.0 (calc) | QHO |
| NON-HDL CHOLESTEROL | 73 | | mg/dL (calc) | QHO |

Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.

| | | | | |
|--------------------------------------|----|--|-------------|-----|
| COMPREHENSIVE METABOLIC PANEL | | | | |
| GLUCOSE | 93 | | 65-99 mg/dL | QHO |

Fasting reference interval

| | | | | |
|-------------------------|----------------|--------------|-------------------------------------|-----|
| UREA NITROGEN (BUN) | 11 | | 7-25 mg/dL | |
| CREATININE | 0.85 | | 0.60-1.35 mg/dL | |
| eGFR NON-AFR. AMERICAN | 118 | | > OR = 60 mL/min/1.73m ² | |
| eGFR AFRICAN AMERICAN | 136 | | > OR = 60 mL/min/1.73m ² | |
| BUN/CREATININE RATIO | NOT APPLICABLE | | 6-22 (calc) | |
| SODIUM | 140 | | 135-146 mmol/L | |
| POTASSIUM | 3.9 | | 3.5-5.3 mmol/L | |
| CHLORIDE | 105 | | 98-110 mmol/L | |
| CARBON DIOXIDE | 24 | | 21-33 mmol/L | |
| CALCIUM | 9.5 | | 8.6-10.3 mg/dL | |
| PROTEIN, TOTAL | 7.6 | | 6.2-8.3 g/dL | |
| ALBUMIN | 5.0 | | 3.6-5.1 g/dL | |
| GLOBULIN | 2.6 | | 2.1-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 1.9 | | 1.0-2.1 (calc) | |
| BILIRUBIN, TOTAL | | 1.5 H | 0.2-1.2 mg/dL | |
| ALKALINE PHOSPHATASE | 64 | | 40-115 U/L | |
| AST | 22 | | 10-40 U/L | |
| ALT | 26 | | 9-60 U/L | QTE |

| | | | | |
|--|----|-------------|--------------|--|
| VITAMIN D, 25-HYDROXY, LC/MS/MS | | | | |
| VITAMIN D, 25 OH, TOTAL | | 28 L | 30-100 ng/mL | |
| VITAMIN D, 25 OH, D3 | 28 | | ng/mL | |
| VITAMIN D, 25 OH, D2 | <4 | | ng/mL | |

25-OHD3 indicates both endogenous production and supplementation. 25-OHD2 is an indicator of exogenous sources such as diet or supplementation. Therapy is based on measurement of Total 25-OHD, with levels <20 ng/mL indicative of Vitamin D deficiency, while levels between 20 ng/mL and 30 ng/mL suggest insufficiency. Optimal levels are



| Patient Information | Specimen Information | Client Information |
|--|---|---|
| ADAIKKAPPAN, VIJAY M DOB: 03/09/1983 AGE: 29 Gender: M Phone: 484- Patient ID: 4830 Health ID: 8573004152572741 | Specimen: NE628811L Requisition: 0013214 Collected: 12/01/2012 / 10:50 EST Received: 12/01/2012 / 22:19 EST Reported: 12/02/2012 / 01:57 EST (* A Copy From) | Client #: Not Given 9999999 ADAIKKAPPAN VIJAY M EXTON, PA 19341 |

| Test Name | In Range | Out Of Range | Reference Range | Lab |
|-------------------------------|----------------|--------------|----------------------------|-----|
| COMPREHENSIVE METABOLIC PANEL | | | | QHO |
| GLUCOSE | 81 | | 65-99 mg/dL | |
| | | | Fasting reference interval | |
| UREA NITROGEN (BUN) | 12 | | 7-25 mg/dL | |
| CREATININE | 0.93 | | 0.60-1.35 mg/dL | |
| eGFR NON-AFR. AMERICAN | 111 | | > OR = 60 mL/min/1.73m2 | |
| eGFR AFRICAN AMERICAN | 128 | | > OR = 60 mL/min/1.73m2 | |
| BUN/CREATININE RATIO | NOT APPLICABLE | | 6-22 (calc) | |
| SODIUM | 139 | | 135-146 mmol/L | |
| POTASSIUM | 3.9 | | 3.5-5.3 mmol/L | |
| CHLORIDE | 102 | | 98-110 mmol/L | |
| CARBON DIOXIDE | 26 | | 21-33 mmol/L | |
| CALCIUM | 10.0 | | 8.6-10.3 mg/dL | |
| PROTEIN, TOTAL | 7.7 | | 6.2-8.3 g/dL | |
| ALBUMIN | 4.9 | | 3.6-5.1 g/dL | |
| GLOBULIN | 2.8 | | 2.1-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 1.8 | | 1.0-2.1 (calc) | |
| BILIRUBIN, TOTAL | | 1.8 H | 0.2-1.2 mg/dL | |
| ALKALINE PHOSPHATASE | 68 | | 40-115 U/L | |
| AST | 16 | | 10-40 U/L | |
| ALT | 18 | | 9-60 U/L | |
| AMYLASE | 53 | | 21-101 U/L | QHO |
| LIPASE | 26 | | 7-60 U/L | QHO |

PERFORMING SITE:

QHO MORSHAM, PA 19044-3432 Laboratory Director: MD PHD, CLIA: 39D0204404

* requested a copy of this report be sent to you. Ordering Physician



PATIENT INFORMATION
ADAIKKAPPAN, VIJAY M

DOB: 03/09/1983 AGE: 29
 GENDER: M

ID: 4830
 PHONE: 484.716.9689

REPORT STATUS **FINAL** REPRINT

ORDERING PHYSICIAN

CLIENT INFORMATION
 N00004055

HO470000

WEST CHESTER, PA 19380-4269

SPECIMEN INFORMATION
 SPECIMEN: NE628811L
 REQUISITION: 0013214

COLLECTED: 12/01/2012 10:50 ET
 RECEIVED: 12/01/2012 22:19 ET
 REPORTED: 12/02/2012 06:09 ET

| Test Name | In Range | Out of Range | Reference Range | Lab |
|-------------------------------|----------------|--------------|----------------------------|-----|
| COMPREHENSIVE METABOLIC PANEL | | | | QHO |
| GLUCOSE | 81 | | 65-99 mg/dL | |
| | | | Fasting reference interval | |
| UREA NITROGEN (BUN) | 12 | | 7-25 mg/dL | |
| CREATININE | 0.93 | | 0.60-1.35 mg/dL | |
| eGFR NON-AFR. AMERICAN | 111 | | > OR = 60 mL/min/1.73m2 | |
| eGFR AFRICAN AMERICAN | 128 | | > OR = 60 mL/min/1.73m2 | |
| BUN/CREATININE RATIO | NOT APPLICABLE | | 6-22 (calc) | |
| SODIUM | 139 | | 135-146 mmol/L | |
| POTASSIUM | 3.9 | | 3.5-5.3 mmol/L | |
| CHLORIDE | 102 | | 98-110 mmol/L | |
| CARBON DIOXIDE | 26 | | 21-33 mmol/L | |
| CALCIUM | 10.0 | | 8.6-10.3 mg/dL | |
| PROTEIN, TOTAL | 7.7 | | 6.2-8.3 g/dL | |
| ALBUMIN | 4.9 | | 3.6-5.1 g/dL | |
| GLOBULIN | 2.8 | | 2.1-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 1.8 | | 1.0-2.1 (calc) | |
| BILIRUBIN, TOTAL | | 1.8 H | 0.2-1.2 mg/dL | |
| ALKALINE PHOSPHATASE | 68 | | 40-115 U/L | |
| AST | 16 | | 10-40 U/L | |
| ALT | 18 | | 9-60 U/L | |
| AMYLASE | 53 | | 21-101 U/L | QHO |
| LIPASE | 26 | | 7-60 U/L | QHO |

PERFORMING LABORATORY INFORMATION

360 [Redacted] PA 19244-3432
 [Redacted] FELMAN, ME, PhD, CLIA# 9999-4484

ORIGINAL REPORT SENT TO:



WEST CHESTER, PA 19380-4269

ADAIKKAPPAN, VIJAY M - NE628811L

Page 1 - End of Report

| Patient Information | Specimen Information | Client Information |
|---|---|---|
| ADAIKKAPPAN, VIJAY M DOB: 03/09/1983 AGE: 29 Gender: M Phone: 484 [REDACTED] Patient ID: 19830309MVMA Health ID: 8573004152572741 | Specimen: NE711016N Requisition: 0005020 Collected: 03/01/2013 / 11:22 EST Received: 03/01/2013 / 23:44 EST Reported: 03/05/2013 / 16:21 EST (* A Copy From) | Client #: Not Given 9999999 ADAIKKAPPAN VIJAY M [REDACTED] EXTON, PA 19341 |

COMMENTS: FASTING

| Test Name | In Range | Out Of Range | Reference Range | Lab |
|--|----------------|--------------|-------------------------|-----|
| LIPID PANEL | | | | |
| CHOLESTEROL, TOTAL | 137 | | 125-200 mg/dL | QHO |
| HDL CHOLESTEROL | | 35 L | > OR = 40 mg/dL | QHO |
| TRIGLYCERIDES | 64 | | <150 mg/dL | QHO |
| LDL-CHOLESTEROL | 89 | | <130 mg/dL (calc) | QHO |
| Desirable range <100 mg/dL for patients with CHD or diabetes and <70 mg/dL for diabetic patients with known heart disease. | | | | |
| CHOL/HDL C RATIO | 3.9 | | < OR = 5.0 (calc) | QHO |
| NON HDL CHOLESTEROL | 102 | | mg/dL (calc) | QHO |
| Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target. | | | | |
| COMPREHENSIVE METABOLIC PANEL | | | | |
| GLUCOSE | 90 | | 65-99 mg/dL | QHO |
| Fasting reference interval | | | | |
| UREA NITROGEN (BUN) | 11 | | 7-25 mg/dL | |
| CREATININE | 0.91 | | 0.60-1.35 mg/dL | |
| eGFR NON-AFR. AMERICAN | 113 | | > OR = 60 mL/min/1.73m2 | |
| eGFR AFRICAN AMERICAN | 132 | | > OR = 60 mL/min/1.73m2 | |
| BUN/CREATININE RATIO | NOT APPLICABLE | | 6-22 (calc) | |
| SODIUM | 140 | | 135-146 mmol/L | |
| POTASSIUM | 4.1 | | 3.5-5.3 mmol/L | |
| CHLORIDE | 102 | | 98-110 mmol/L | |
| CARBON DIOXIDE | 27 | | 19-30 mmol/L | |
| CALCIUM | 9.9 | | 8.6-10.3 mg/dL | |
| PROTEIN, TOTAL | 7.6 | | 6.1-8.1 g/dL | |
| ALBUMIN | 5.1 | | 3.6-5.1 g/dL | |
| GLOBULIN | 2.5 | | 1.9-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 2.0 | | 1.0-2.5 (calc) | |
| BILIRUBIN, TOTAL | | 1.9 H | 0.2-1.2 mg/dL | |
| ALKALINE PHOSPHATASE | 74 | | 40-115 U/L | |
| AST | 15 | | 10-40 U/L | |
| ALT | 17 | | 9-60 U/L | |
| VITAMIN D, 25-HYDROXY, LC/MS/MS | | | | |
| VITAMIN D, 25 OH, TOTAL | | 23 L | 30-100 ng/mL | QTE |
| VITAMIN D, 25 OH, D3 | 23 | | ng/mL | |
| VITAMIN D, 25 OH, D2 | <4 | | ng/mL | |
| 25-OHD3 indicates both endogenous production and supplementation. 25-OHD2 is an indicator of exogenous sources such as diet or supplementation. Therapy is based on measurement of Total 25-OHD, with levels <20 ng/mL indicative of Vitamin D deficiency, while levels between 20 ng/mL and 30 ng/mL suggest insufficiency. Optimal levels are > or = 30 ng/mL. | | | | |
| VITAMIN A | 53 | | 38-98 mcg/dL | AMD |

| Patient Information | Specimen Information | Client Information |
|---|---|--|
| ADAIKKAPPAN, VIJAY M DOB: 03/09/1983 AGE: 30 Gender: M Phone: 484- Patient ID: 27414 Health ID: 8573004152572741 | Specimen: NE746996S Requisition: 0039185 Collected: 09/12/2013 / 08:31 EDT Received: 09/13/2013 / 03:37 EDT Reported: 09/13/2013 / 07:05 EDT (* A Copy From) | Client #: Not Given 9999999 ADAIKKAPPAN VIJAY M WEST CHESTER, PA 19380 |

| Test Name | In Range | Out Of Range | Reference Range | Lab |
|---|--------------|--------------|----------------------------|-----|
| HEMOGLOBINOPATHY EVALUATION | | | | |
| RED BLOOD CELL COUNT | 5.13 | | 4.20-5.80 Million/uL | QHO |
| HEMOGLOBIN | 14.4 | | 13.2-17.1 g/dL | |
| HEMATOCRIT | 43.2 | | 38.5-50.0 % | |
| MCV | 84.2 | | 80.0-100.0 fL | |
| MCH | 28.0 | | 27.0-33.0 pg | |
| RDW | 13.9 | | 11.0-15.0 % | |
| HEPATITIS PANEL, ACUTE W/REFLEX TO CONFIRMATION | | | | |
| HEPATITIS A IGM | NON-REACTIVE | | NON-REACTIVE | QHO |
| HEPATITIS B SURFACE ANTIGEN W/REFL CONFIRM | | | | QHO |
| HEPATITIS B SURFACE ANTIGEN | NON-REACTIVE | | NON-REACTIVE | |
| HEPATITIS B CORE ANTIBODY (IGM) | NON-REACTIVE | | NON-REACTIVE | QHO |
| HEPATITIS C ANTIBODY | NON-REACTIVE | | NON-REACTIVE | QHO |
| SIGNAL TO CUT-OFF | 0.03 | | <1.00 | |
| BILIRUBIN, TOTAL | | 1.9 H | 0.2-1.2 mg/dL | QHO |
| BILIRUBIN, DIRECT | | 0.3 H | < OR = 0.2 mg/dL | QHO |

PENDING TESTS:

| |
|-----------------------------|
| HEMOGLOBINOPATHY EVALUATION |
|-----------------------------|

PERFORMING SITE:

QHO [Redacted] Director [Redacted] CLIA: 39D0204404

[Redacted] has requested a copy of this report be sent to you. Ordering Physician: [Redacted]

PATIENT INFORMATION
ADAIKKAPPAN, VIJAY M

REPORT STATUS **FINAL**

ORDERING PHYSICIAN
 [REDACTED]

DOB: 03/09/1983 AGE: 30
 GENDER: M
 ID: 03091983VA

COLLECTED: 12/18/2013 08:12 ET
 REPORTED: 12/21/2013 09:01 ET

| Test Name | In Range | Out of Range | Reference Range | Lab |
|---|----------------|--------------|---|-----|
| HOMOCYSTEINE, CARDIOVASCULAR | | 12.5 H | <11.4 umol/L | QHO |
| COMPREHENSIVE METABOLIC PANEL GLUCOSE | 89 | | 65-99 mg/dL Fasting reference interval | QHO |
| UREA NITROGEN (BUN) | 11 | | 7-25 mg/dL | |
| CREATININE | 0.94 | | 0.60-1.35 mg/dL | |
| eGFR NON-AFR. AMERICAN | 108 | | > OR = 60 mL/min/1.73m2 | |
| eGFR AFRICAN AMERICAN | 126 | | > OR = 60 mL/min/1.73m2 | |
| BUN/CREATININE RATIO | NOT APPLICABLE | | 6-22 (calc) | |
| SODIUM | 139 | | 135-146 mmol/L | |
| POTASSIUM | 4.4 | | 3.5-5.3 mmol/L | |
| CHLORIDE | 103 | | 98-110 mmol/L | |
| CARBON DIOXIDE | 27 | | 19-30 mmol/L | |
| CALCIUM | 10.1 | | 8.6-10.3 mg/dL | |
| PROTEIN, TOTAL | 7.5 | | 6.1-8.1 g/dL | |
| ALBUMIN | 4.8 | | 3.6-5.1 g/dL | |
| GLOBULIN | 2.7 | | 1.9-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 1.8 | | 1.0-2.5 (calc) | |
| BILIRUBIN, TOTAL | | 1.7 H | 0.2-1.2 mg/dL | |
| ALKALINE PHOSPHATASE | 70 | | 40-115 U/L | |
| AST | 29 | | 10-40 U/L | |
| ALT | 44 | | 9-46 U/L | |

Pt. Name: ADAIKKAPPAN , VIJAY
 DOB: 03/09/1983

MRN: 467896
 Age/Sex: 31Y/M

Chemistry

Chemistry Profiles

Normals 05/25/14
 20:14

| | | |
|--|----------------|---------|
| Sodium | 136-144 MEQ/L | 140 |
| Potassium | 3.6-5.1 MEQ/L | 3.7 |
| Chloride | 98-109 MEQ/L | 106 |
| Carbon Dioxide | 22-32 MEQ/L | 28 |
| Anion Gap | 3-15 MEQ/L | 6 |
| Glucose | 70-99 MG/DL | 80 |
| BUN | 8-20 MG/DL | 10 |
| Creatinine | 0.8-1.3 MG/DL | 0.9 |
| GFR, White (MDRD Est.) | >60 ML/MIN | >60 (1) |
| (1) Calculation assumes a body surface area of 1.73 sq meters. | | |
| GFR, Black (MDRD Est.) | >60 ML/MIN | >60 |
| Calcium | 8.9-10.3 MG/DL | 9.6 |
| Protein, Total | 6.0-8.2 G/DL | 8.0 |
| Albumin | 3.4-5.0 G/DL | 5.0 |
| Bilirubin, Total | 0.2-1.2 MG/DL | 1.5 H |
| AST (SGOT) | 15-41 U/L | 25 |
| ALT (SGPT) | 16-63 U/L | 25 |
| Alk Phosphatase | 35-126 U/L | 66 |

Cardiac Markers

Normals 05/25/14
 20:14

| | | |
|---|-------------|-------|
| Troponin I | <0.05 NG/ML | <0.02 |
| A rise or fall of troponin with at least one abnormal value is consistent (1) | | |

(1) <0.02

A rise or fall of troponin with at least one abnormal value is consistent with myocardial injury or necrosis in the presence of appropriate clinical, ECG, and/or imaging abnormalities.

| | | |
|--|------------|-----|
| CPK | 16-300 U/L | 135 |
| CK-MB NOT ASSAYED WHEN TOTAL CPK IS LESS THAN 150. | | |

Hematology

Hematology CBC

Normals 05/25/14
 20:14

| | | |
|------------|----------------|--------|
| WBC Count | 3.80-10.50 | 6.35 |
| K/UL | | |
| RBC Count | 4.50-5.80 M/UL | 5.35 |
| Hemoglobin | 13.7-17.5 G/DL | 14.6 |
| Hematocrit | 40.1-51.0 % | 42.9 |
| MCV | 83.0-98.0 FL | 80.2 L |
| MCH | 28.0-33.2 PG | 27.3 L |
| MCHC | 32.3-36.5 G/DL | 34.0 |
| RDW | 11.6-14.4 % | 12.5 |

Pt Name: ADAIKKAPPAN , VIJAY

MRN: 467896

Rm/Bed: EDA18

| Patient Information | Specimen Information | Client Information |
|---|---|--|
| ADAIKKAPPAN, VIJAY M DOB: 03/09/1983 AGE: 31 Gender: M Phone: [REDACTED] Patient ID: 03091983VA Health ID: 8573004152572741 | Specimen: NE801856C Requisition: 0000439 Collected: 11/21/2014 / 11:21 EST Received: 11/22/2014 / 05:26 EST Reported: 11/25/2014 / 08:37 EST (* A Copy From) | Client #: Not Given 9999999 ADAIKKAPPAN VIJAY M 1252 MEMORY LN WEST CHESTER, PA 19380 |

| Test Name | In Range | Out Of Range | Reference Range | Lab |
|--------------------------------------|----------------|--------------|----------------------------|-----|
| COMPREHENSIVE METABOLIC PANEL | | | | QHO |
| GLUCOSE | 65 | | 65-99 mg/dL | |
| | | | Fasting reference interval | |
| UREA NITROGEN (BUN) | 13 | | 7-25 mg/dL | |
| CREATININE | 0.79 | | 0.60-1.35 mg/dL | |
| eGFR NON-AFR. AMERICAN | 120 | | > OR = 60 mL/min/1.73m2 | |
| eGFR AFRICAN AMERICAN | 139 | | > OR = 60 mL/min/1.73m2 | |
| BUN/CREATININE RATIO | NOT APPLICABLE | | 6-22 (calc) | |
| SODIUM | 140 | | 135-146 mmol/L | |
| POTASSIUM | 4.0 | | 3.5-5.3 mmol/L | |
| CHLORIDE | 104 | | 98-110 mmol/L | |
| CARBON DIOXIDE | 28 | | 19-30 mmol/L | |
| CALCIUM | 9.4 | | 8.6-10.3 mg/dL | |
| PROTEIN, TOTAL | 7.4 | | 6.1-8.1 g/dL | |
| ALBUMIN | 4.8 | | 3.6-5.1 g/dL | |
| GLOBULIN | 2.6 | | 1.9-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 1.8 | | 1.0-2.5 (calc) | |
| BILIRUBIN, TOTAL | | 1.8 H | 0.2-1.2 mg/dL | |
| ALKALINE PHOSPHATASE | 67 | | 40-115 U/L | |
| AST | 20 | | 10-40 U/L | |
| ALT | 23 | | 9-46 U/L | |
| GLUCOSE, POSTPRANDIAL/ 2 HOUR | | 56 L | <140 mg/dL | QHO |
| CBC (H/H, RBC, INDICES, WBC, PLT) | | | | QHO |
| WHITE BLOOD CELL COUNT | 4.3 | | 3.8-10.8 Thousand/uL | |
| RED BLOOD CELL COUNT | 5.10 | | 4.20-5.80 Million/uL | |
| HEMOGLOBIN | 14.5 | | 13.2-17.1 g/dL | |
| HEMATOCRIT | 42.3 | | 38.5-50.0 % | |
| MCV | 82.9 | | 80.0-100.0 fL | |
| MCH | 28.5 | | 27.0-33.0 pg | |
| MCHC | 34.4 | | 32.0-36.0 g/dL | |
| RDW | 13.0 | | 11.0-15.0 % | |
| PLATELET COUNT | 185 | | 140-400 Thousand/uL | |

| Patient Information | Specimen Information | Client Information |
|---|---|--|
| ADAIKKAPPAN, VIJAY M DOB: 03/09/1983 AGE: 31 Gender: M Phone: 484- Patient ID: 03091983VA Health ID: 8573004152572741 | Specimen: NE352895D Requisition: 0000145 Collected: 12/29/2014 / 10:18 EST Received: 12/30/2014 / 08:28 EST Reported: 12/31/2014 / 08:18 EST (* A Copy From) | Client #: Not Given 9999999 ADAIKKAPPAN VIJAY M 1252 MEMORY LN WEST CHESTER, PA 19380 |

COMMENTS: FASTING: YES

| Test Name | In Range | Out Of Range | Reference Range | Lab |
|--|----------------|--------------|----------------------------|-----|
| COMPREHENSIVE METABOLIC PANEL | | | | QHO |
| GLUCOSE | 90 | | 65-99 mg/dL | |
| | | | Fasting reference interval | |
| UREA NITROGEN (BUN) | 15 | | 7-25 mg/dL | |
| CREATININE | 0.78 | | 0.60-1.35 mg/dL | |
| eGFR NON-AFR. AMERICAN | 120 | | > OR = 60 mL/min/1.73m2 | |
| eGFR AFRICAN AMERICAN | 139 | | > OR = 60 mL/min/1.73m2 | |
| BUN/CREATININE RATIO | NOT APPLICABLE | | 6-22 (calc) | |
| SODIUM | 140 | | 135-146 mmol/L | |
| POTASSIUM | 4.2 | | 3.5-5.3 mmol/L | |
| CHLORIDE | 103 | | 98-110 mmol/L | |
| CARBON DIOXIDE | 27 | | 19-30 mmol/L | |
| CALCIUM | 10.3 | | 8.6-10.3 mg/dL | |
| PROTEIN, TOTAL | 7.8 | | 6.1-8.1 g/dL | |
| ALBUMIN | | 5.2 H | 3.6-5.1 g/dL | |
| GLOBULIN | 2.6 | | 1.9-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 2.0 | | 1.0-2.5 (calc) | |
| BILIRUBIN, TOTAL | | 1.5 H | 0.2-1.2 mg/dL | |
| ALKALINE PHOSPHATASE | 73 | | 40-115 U/L | |
| AST | 19 | | 10-40 U/L | |
| ALT | 21 | | 9-46 U/L | |
| HEMOGLOBIN A1c | 5.4 | | <5.7 % of total Hgb | QHO |
| <p>According to ADA guidelines, hemoglobin A1c <7.0% represents optimal control in non-pregnant diabetic patients. Different metrics may apply to specific patient populations. Standards of Medical Care in Diabetes-2013. Diabetes Care. 2013;36:s11-s66</p> <p>For the purpose of screening for the presence of diabetes</p> <p><5.7% Consistent with the absence of diabetes</p> <p>5.7-6.4% Consistent with increased risk for diabetes (prediabetes)</p> <p>>or=6.5% Consistent with diabetes</p> <p>This assay result is consistent with a decreased risk of diabetes.</p> <p>Currently, no consensus exists for use of hemoglobin A1c for diagnosis of diabetes for children.</p> | | | | |
| TSH | 3.36 | | 0.40-4.50 mIU/L | QHO |
| CBC (INCLUDES DIFF/PLT) | | | | QHO |
| WHITE BLOOD CELL COUNT | 4.0 | | 3.8-10.8 Thousand/uL | |
| RED BLOOD CELL COUNT | 5.37 | | 4.20-5.80 Million/uL | |
| HEMOGLOBIN | 14.9 | | 13.2-17.1 g/dL | |
| HEMATOCRIT | 44.0 | | 38.5-50.0 % | |
| MCV | 82.0 | | 80.0-100.0 fL | |
| MCH | 27.8 | | 27.0-33.0 pg | |
| MCHC | 33.8 | | 32.0-36.0 g/dL | |



| Patient Information | Specimen Information | Client Information |
|--|---|---|
| ADAIKKAPPAN, VIJAY DOB: 03/09/1983 AGE: 32 Gender: M Phone: 484. [REDACTED] Patient ID: 29426-0 Health ID: 8573004152572741 | Specimen: NE430892J Requisition: 0000266 Collected: 12/29/2015 / 10:09 EST Received: 12/30/2015 / 09:47 EST Reported: 12/30/2015 / 11:13 EST (* A Copy From) | Client #: Not Given 9999999 ADAIKKAPPAN VIJAY 1252 MEMORY LANE WEST CHESTER, PA 19380 |

COMMENTS: FASTING:YES

| Test Name | In Range | Out Of Range | Reference Range | Lab |
|--------------------|----------|--------------|-------------------|-----|
| LIPID PANEL | | | | |
| CHOLESTEROL, TOTAL | 154 | | 125-200 mg/dL | QHO |
| HDL CHOLESTEROL | 43 | | > OR = 40 mg/dL | QHO |
| TRIGLYCERIDES | 67 | | <150 mg/dL | QHO |
| LDL-CHOLESTEROL | 98 | | <130 mg/dL (calc) | QHO |

Desirable range <100 mg/dL for patients with CHD or diabetes and <70 mg/dL for diabetic patients with known heart disease.

| | | | | |
|---------------------|-----|--|-------------------|-----|
| CHOL/HDLRATIO | 3.6 | | < OR = 5.0 (calc) | QHO |
| NON HDL CHOLESTEROL | 111 | | mg/dL (calc) | QHO |

Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.

| | | | | |
|--------------------------------------|----|--|-------------|-----|
| COMPREHENSIVE METABOLIC PANEL | | | | |
| GLUCOSE | 91 | | 65-99 mg/dL | QHO |

Fasting reference interval

| | | | | |
|------------------------|----------------|--|-------------------------------------|--|
| UREA NITROGEN (BUN) | 11 | | 7-25 mg/dL | |
| CREATININE | 0.89 | | 0.60-1.35 mg/dL | |
| eGFR NON-AFR. AMERICAN | 113 | | > OR = 60 mL/min/1.73m ² | |
| eGFR AFRICAN AMERICAN | 131 | | > OR = 60 mL/min/1.73m ² | |
| BUN/CREATININE RATIO | NOT APPLICABLE | | 6-22 (calc) | |
| SODIUM | 139 | | 135-146 mmol/L | |
| POTASSIUM | 4.1 | | 3.5-5.3 mmol/L | |
| CHLORIDE | 102 | | 98-110 mmol/L | |
| CARBON DIOXIDE | 25 | | 19-30 mmol/L | |
| CALCIUM | 10.2 | | 8.6-10.3 mg/dL | |
| PROTEIN, TOTAL | 7.9 | | 6.1-8.1 g/dL | |
| ALBUMIN | 5.0 | | 3.6-5.1 g/dL | |
| GLOBULIN | 2.9 | | 1.9-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 1.7 | | 1.0-2.5 (calc) | |

| | | | | |
|-------------------------|--|--------------|----------------------|--|
| BILIRUBIN, TOTAL | | 1.6 H | 0.2-1.2 mg/dL | |
|-------------------------|--|--------------|----------------------|--|

| | | | | |
|----------------------|-----|--|---------------------|-----|
| ALKALINE PHOSPHATASE | 76 | | 40-115 U/L | |
| AST | 23 | | 10-40 U/L | |
| ALT | 25 | | 9-46 U/L | |
| HEMOGLOBIN A1c | 5.2 | | <5.7 % of total Hgb | QHO |

According to ADA guidelines, hemoglobin A1c <7.0% represents optimal control in non-pregnant diabetic patients. Different metrics may apply to specific patient populations. Standards of Medical Care in Diabetes-2013. Diabetes Care. 2013;36:s11-s66

For the purpose of screening for the presence of diabetes

| | |
|----------|---|
| <5.7% | Consistent with the absence of diabetes |
| 5.7-6.4% | Consistent with increased risk for diabetes (prediabetes) |
| >or=6.5% | Consistent with diabetes |

| Observations | Result | Reference / UoM | Date/Status |
|-------------------------------------|------------|------------------------------------|---------------------|
| Observations | Result | Reference / UoM | Date/Status |
| | APPLICABLE | | |
| SODIUM ¹ | 140 | 135-146 mmol/L | 10/12/2016 08:13 pm |
| POTASSIUM ¹ | 3.9 | 3.5-5.3 mmol/L | 10/12/2016 08:13 pm |
| CHLORIDE ¹ | 104 | 98-110 mmol/L | 10/12/2016 08:13 pm |
| CARBON DIOXIDE ¹ | 27 | 20-31 mmol/L | 10/12/2016 08:13 pm |
| CALCIUM ¹ | 9.9 | 8.6-10.3 mg/dL | 10/12/2016 08:13 pm |
| PROTEIN, TOTAL ¹ | 7.2 | 6.1-8.1 g/dL | 10/12/2016 08:13 pm |
| ALBUMIN ¹ | 4.8 | 3.6-5.1 g/dL | 10/12/2016 08:13 pm |
| GLOBULIN ¹ | 2.4 | 1.9-3.7 g/dL (calc) | 10/12/2016 08:13 pm |
| ALBUMIN/GLOBULIN RATIO ¹ | 2.0 | 1.0-2.5 (calc) | 10/12/2016 08:13 pm |
| BILIRUBIN, TOTAL ¹ | ● 1.9 | 0.2-1.2 mg/dL Above high normal | 10/12/2016 08:13 pm |
| ALKALINE PHOSPHATASE ¹ | 59 | 40-115 U/L | 10/12/2016 08:13 pm |
| AST ¹ | 19 | 10-40 U/L | 10/12/2016 08:13 pm |
| ALT ¹ | 17 | 9-46 U/L | 10/12/2016 08:13 pm |

CBC (H/H, RBC, INDICES, WBC, PLT)

| Observations | Result | Reference / UoM | Date/Status |
|-------------------------------------|--------|--|---------------------|
| WHITE BLOOD CELL COUNT ¹ | ● 3.5 | 3.8-10.8 Thousand/uL Below low normal | 10/12/2016 08:13 pm |
| RED BLOOD CELL COUNT ¹ | 5.06 | 4.20-5.80 Million/uL | 10/12/2016 08:13 pm |
| HEMOGLOBIN ¹ | 13.7 | 13.2-17.1 g/dL | 10/12/2016 08:13 pm |
| HEMATOCRIT ¹ | 42.0 | 38.5-50.0 % | 10/12/2016 08:13 pm |
| MCV ¹ | 83.0 | 80.0-100.0 fL | 10/12/2016 08:13 pm |
| MCH ¹ | 27.0 | 27.0-33.0 pg | 10/12/2016 08:13 pm |
| MCHC ¹ | 32.5 | 32.0-36.0 g/dL | 10/12/2016 08:13 pm |
| RDW ¹ | 13.7 | 11.0-15.0 % | 10/12/2016 08:13 pm |
| PLATELET COUNT ¹ | 151 | 140-400 Thousand/uL | 10/12/2016 08:13 pm |
| MPV ¹ | 10.3 | 7.5-11.5 fL | 10/12/2016 08:13 pm |

TSH

| Observations | Result | Reference / UoM | Date/Status |
|------------------|--------|-----------------|---------------------|
| TSH ¹ | 2.68 | 0.40-4.50 mIU/L | 10/12/2016 08:13 pm |

CEA

| Observations | Result | Reference / UoM | Date/Status |
|---|--------|-----------------|---------------------|
| CEA ¹ | <0.5 | See Note: ng/mL | 10/12/2016 08:13 pm |
| <p>Vendor note: Reference Range:</p> <p>Non-Smoker: <2.5 Smoker: <5.0</p> <p>This test was performed using the Siemens chemiluminescent method. Values obtained from different assay methods cannot be used interchangeably. CEA levels, regardless of value, should not be interpreted as absolute evidence of the presence or absence of disease.</p> | | | |

CA 19-9

Patient
 Name: ADAIKKAPPAN, VIJAY
 Patient ID: 1542791
 Gender: M

Provider
 Provider: [REDACTED]
 Account No: 7644

Specimen
 Accession No: B6044138
 Report Date & Time: 07.31.2018 3:51 PM

| Test Name | Low | Normal | High | Notes | Previous Results 03.25.18 |
|-----------|-----|--------|------|-------|------------------------------|
|-----------|-----|--------|------|-------|------------------------------|

Chemistry Tests

| | | | | | |
|------------------|-------|-------------|-------------|--|------|
| BUN | | 15.9 | | | 9.8 |
| | <3.0 | 3.0-25.0 | >25.0 mg/dL | | |
| Creatinine | | 0.74 | | | 0.78 |
| | <0.67 | 0.67-1.17 | >1.17 mg/dL | | |
| Sodium | | 143 | | | 141 |
| | <135 | 135-146 | >146 mmol/L | | |
| Potassium | | 4.7 | | | 4.0 |
| | <3.5 | 3.5-5.3 | >5.3 mmol/L | | |
| Chloride | | 103 | | | 100 |
| | <98 | 98-110 | >110 mmol/L | | |
| CO ₂ | | 27 | | | 30 |
| | <20 | 20-31 | >31 mmol/L | | |
| Anion Gap | | 13 | | | 11 |
| | <3 | 3-16 | >16 mmol/L | | |
| Total Protein | | 7.1 | | | 7.2 |
| | <6.3 | 6.3-7.7 | >7.7 g/dL | | |
| Albumin | | 5.1 | | | 4.9 |
| | <3.5 | 3.5-5.2 | >5.2 g/dL | | |
| Calcium | | 10.2 | | | 9.9 |
| | <8.6 | 8.6-10.4 | >10.4 mg/dL | | |
| Total Bilirubin | | | 1.8 | | 2.7 |
| | | 0.0-1.2 | >1.2 mg/dL | | |
| Direct Bilirubin | | 0.3 | | | 0.3 |
| | | 0.0-0.3 | >0.3 mg/dL | | |

| Test Name | Optimal | Borderline | High Risk | Notes | Previous Results 03.25.18 |
|----------------------|------------|------------|-------------------|-------|------------------------------|
| Uric Acid | 5.4 | | | | 4.6 |
| | <7 | 7-10 | >10 mg/dL | | |
| Glucose ² | 85 | | | | 76 |
| | 70-99 | 100-125 | <70 or >125 mg/dL | | |
| AST | 17 | | | | 17 |
| | <40 | 40-120 | >120 U/L | | |
| ALT | 14 | | | | 14 |
| | <40 | 40-120 | >120 U/L | | |
| Alkaline Phosphatase | 58 | | | | 66 |
| | <130 | 130-200 | >200 U/L | | |

| Test Name | Low | Normal | High | Notes | Previous Results 03.25.18 |
|-----------|-----|--------|------|-------|------------------------------|
|-----------|-----|--------|------|-------|------------------------------|

Other Kidney Tests

| Magnesium | | 2.2 | | | 2.0 |
|-----------------------------|-------------|------------|--------------------------------|-------|------------------------------|
| | <1.6 | 1.6-2.6 | >2.6 mg/dL | | |
| Phosphorus | | 3.7 | | | 3.4 |
| | <2.5 | 2.5-4.5 | >4.5 mg/dL | | |
| Test Name | Optimal | Borderline | High Risk | Notes | Previous Results 03.25.18 |
| BUN/Creatinine | 21.5 | | | | 12.6 |
| | <=23 | | >23 | | |
| eGFR / Non-African American | 120 | | | | 117 |
| | >60 | 30-60 | <30 mL/min/1.73 m ² | | |
| eGFR / African American | 139 | | | | 136 |
| | >60 | 30-60 | <30 mL/min/1.73 m ² | | |

Muscle Tests

| Creatine Kinase (CK) | 65 | | | | 76 |
|----------------------|-----------|----------|-----------|-------|------------------------------|
| | <300 | 300-1500 | >1500 U/L | | |
| Test Name | Low | Normal | High | Notes | Previous Results 03.25.18 |

Iron Tests

| Iron | | 99 | | | 112 |
|-----------|------|------------|------------|-------|------------------------------|
| | <59 | 59-158 | >158 µg/dL | | |
| UIBC | | 216 | | | 200 |
| | <112 | 112-347 | >347 µg/dL | | |
| TIBC | | 315 | | | 312 |
| | <250 | 250-370 | >370 µg/dL | | |
| Ferritin | | 112 | | | 156 |
| | <30 | 30-400 | >400 ng/mL | | |
| Test Name | Low | Mid | High | Notes | Previous Results 03.25.18 |

Other Tests

| | | | | | |
|------------------|-----|-----------|------------|--|----|
| Vitamin D, 25-OH | | 72 | | | 54 |
| | <30 | 30-100 | >100 ng/mL | | |

Patient
 Name: ADAIKKAPPAN, VIJAY
 Patient ID: 1542791
 Gender: M

Provider
 Provider: [REDACTED]
 Account No: 7644

Specimen
 Accession No: B6309411
 Report Date & Time: 09.23.2018 2:48 PM

| Test Name | Low | Normal | High | Notes | Previous Results 07.31.18 |
|-----------|-----|--------|------|-------|---------------------------|
|-----------|-----|--------|------|-------|---------------------------|

Chemistry Tests

| | | | | | |
|------------------|-------|-----------|-------------|--|------|
| BUN | | 12.0 | | | 15.9 |
| | <3.0 | 3.0-25.0 | >25.0 mg/dL | | |
| Creatinine | | 0.79 | | | 0.74 |
| | <0.67 | 0.67-1.17 | >1.17 mg/dL | | |
| Sodium | | 142 | | | 143 |
| | <135 | 135-146 | >146 mmol/L | | |
| Potassium | | 5.2 | | | 4.7 |
| | <3.5 | 3.5-5.3 | >5.3 mmol/L | | |
| Chloride | | 102 | | | 103 |
| | <98 | 98-110 | >110 mmol/L | | |
| CO ₂ | | 28 | | | 27 |
| | <20 | 20-31 | >31 mmol/L | | |
| Anion Gap | | 12 | | | 13 |
| | <3 | 3-16 | >16 mmol/L | | |
| Total Protein | | 6.8 | | | 7.1 |
| | <6.3 | 6.3-7.7 | >7.7 g/dL | | |
| Albumin | | 4.8 | | | 5.1 |
| | <3.5 | 3.5-5.2 | >5.2 g/dL | | |
| Calcium | | 10.0 | | | 10.2 |
| | <8.6 | 8.6-10.4 | >10.4 mg/dL | | |
| Total Bilirubin | | | 1.6 | | 1.8 |
| | | 0.0-1.2 | >1.2 mg/dL | | |
| Direct Bilirubin | | 0.3 | | | 0.3 |
| | | 0.0-0.3 | >0.3 mg/dL | | |

| Test Name | Optimal | Borderline | High Risk | Notes | Previous Results 07.31.18 |
|----------------------|---------|------------|-------------------|-------|---------------------------|
| Uric Acid | 4.0 | | | | 5.4 |
| | <7 | 7-10 | >10 mg/dL | | |
| Glucose ² | 83 | | | | 85 |
| | 70-99 | 100-125 | <70 or >125 mg/dL | | |
| AST | 21 | | | | 17 |
| | <40 | 40-120 | >120 U/L | | |
| ALT | 23 | | | | 14 |
| | <40 | 40-120 | >120 U/L | | |
| Alkaline Phosphatase | 55 | | | | 58 |
| | <130 | 130-200 | >200 U/L | | |

| Test Name | Low | Normal | High | Notes | Previous Results 07.31.18 |
|-----------|-----|--------|------|-------|---------------------------|
|-----------|-----|--------|------|-------|---------------------------|

Other Kidney Tests

| Magnesium | | 2.0 | | | 2.2 |
|-----------------------------|---------|------------|--------------------------------|-------|---------------------------|
| | <1.6 | 1.6-2.6 | >2.6 mg/dL | | |
| Phosphorus | | 3.7 | | | 3.7 |
| | <2.5 | 2.5-4.5 | >4.5 mg/dL | | |
| Test Name | Optimal | Borderline | High Risk | Notes | Previous Results 07.31.18 |
| BUN/Creatinine | 15.2 | | | | 21.5 |
| | <=23 | | >23 | | |
| eGFR / Non-African American | 116 | | | | 120 |
| | >60 | 30-60 | <30 mL/min/1.73 m ² | | |
| eGFR / African American | 135 | | | | 139 |
| | >60 | 30-60 | <30 mL/min/1.73 m ² | | |

Muscle Tests

| Creatine Kinase (CK) | 65 | | | | 65 |
|----------------------|------|----------|-----------|-------|---------------------------|
| | <300 | 300-1500 | >1500 U/L | | |
| Test Name | Low | Normal | High | Notes | Previous Results 07.31.18 |

Iron Tests

| Iron | | 113 | | | 99 |
|-----------|------|---------|------------|-------|---------------------------|
| | <59 | 59-158 | >158 µg/dL | | |
| UIBC | | 197 | | | 216 |
| | <112 | 112-347 | >347 µg/dL | | |
| TIBC | | 310 | | | 315 |
| | <250 | 250-370 | >370 µg/dL | | |
| Ferritin | | 83 | | | 112 |
| | <30 | 30-400 | >400 ng/mL | | |
| Test Name | Low | Mid | High | Notes | Previous Results 07.31.18 |

Other Tests

| | | | | | |
|------------------|-----|--------|------------|--|----|
| Vitamin D, 25-OH | | 73 | | | 72 |
| | <30 | 30-100 | >100 ng/mL | | |

Patient Report

Specimen ID: 216-436-4660-0
Control ID: 10121264891

Acct #: 37126545

Phone: (610) [REDACTED]

Rte: CG

ADAIKKAPPAN, VIJAY M.

1252 MEMORY LN
WEST CHESTER PA 19380
(484) 716-9689

Exton PA 19341



Patient Details

DOB: 03/09/1983
Age(y/m/d): 035/04/26
Gender: M SSN:
Patient ID:

Specimen Details

Date collected: 08/04/2018 0908 Local
Date received: 08/04/2018
Date entered: 08/04/2018
Date reported: 08/15/2018 0855 ET

Physician Details

Ordering: [REDACTED]
Referring: [REDACTED]
ID:
NPI: 1710081856

General Comments & Additional Information

Total Volume: Not Provided

Fasting: Yes

Ordered Items

TSH+Free T4; CBC With Differential/Platelet; Comp. Metabolic Panel (14); Pregnenolone, MS; Dihydrotestosterone; DHEA-Sulfate; Testosterone, Serum; Luteinizing Hormone(LH), S; FSH, Serum; ACTH, Plasma; Prolactin; Vitamin D, 25-Hydroxy; Estradiol, Sensitive; Thyroid Antibodies; Ferritin, Serum; Triiodothyronine (T3), Free; Magnesium, RBC; Sex Horm Binding Glob, Serum; Cortisol - AM; Venipuncture

| TESTS | RESULT | FLAG | UNITS | REFERENCE INTERVAL | LAB |
|---------------------------------------|--------------|-------------|----------|--------------------|-----|
| TSH+Free T4 | | | | | |
| TSH | 6.520 | High | uIU/mL | 0.450 - 4.500 | 01 |
| T4, Free (Direct) | 1.45 | | ng/dL | 0.82 - 1.77 | 01 |
| CBC With Differential/Platelet | | | | | |
| WBC | 3.5 | | x10E3/uL | 3.4 - 10.8 | 01 |
| RBC | 4.90 | | x10E6/uL | 4.14 - 5.80 | 01 |
| Hemoglobin | 13.6 | | g/dL | 13.0 - 17.7 | 01 |
| Hematocrit | 39.2 | | % | 37.5 - 51.0 | 01 |
| MCV | 80 | | fL | 79 - 97 | 01 |
| MCH | 27.8 | | pg | 26.6 - 33.0 | 01 |
| MCHC | 34.7 | | g/dL | 31.5 - 35.7 | 01 |
| RDW | 14.4 | | % | 12.3 - 15.4 | 01 |
| Platelets | 152 | | x10E3/uL | 150 - 379 | 01 |
| Neutrophils | 53 | | % | Not Estab. | 01 |
| Lymphs | 39 | | % | Not Estab. | 01 |
| Monocytes | 6 | | % | Not Estab. | 01 |
| Eos | 1 | | % | Not Estab. | 01 |
| Basos | 1 | | % | Not Estab. | 01 |
| Neutrophils (Absolute) | 1.9 | | x10E3/uL | 1.4 - 7.0 | 01 |
| Lymphs (Absolute) | 1.4 | | x10E3/uL | 0.7 - 3.1 | 01 |
| Monocytes (Absolute) | 0.2 | | x10E3/uL | 0.1 - 0.9 | 01 |
| Eos (Absolute) | 0.1 | | x10E3/uL | 0.0 - 0.4 | 01 |
| Baso (Absolute) | 0.0 | | x10E3/uL | 0.0 - 0.2 | 01 |
| Immature Granulocytes | 0 | | % | Not Estab. | 01 |
| Immature Grans (Abs) | 0.0 | | x10E3/uL | 0.0 - 0.1 | 01 |
| Comp. Metabolic Panel (14) | | | | | |
| Glucose | 86 | | mg/dL | 65 - 99 | 01 |

Date Issued: 08/15/18 0901 ET

FINAL REPORT

Page 1 of 3

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Patient Report

Patient: ADAIKKAPPAN, VIJAY M.
 DOB: 03/09/1983 Patient ID:

Control ID: 10121264891

Specimen ID: 216-436-4660-0
 Date collected: 08/04/2018 0908 Local

| TESTS | RESULT | FLAG | UNITS | REFERENCE INTERVAL | LAB |
|---|------------|-------------|-------------|--------------------|-----|
| BUN | 16 | | mg/dL | 6 - 20 | 01 |
| Creatinine | 0.89 | | mg/dL | 0.76 - 1.27 | 01 |
| eGFR If NonAfricn Am | 111 | | mL/min/1.73 | >59 | |
| eGFR If Africn Am | 128 | | mL/min/1.73 | >59 | |
| BUN/Creatinine Ratio | 18 | | | 9 - 20 | |
| Sodium | 140 | | mmol/L | 134 - 144 | 01 |
| Potassium | 3.8 | | mmol/L | 3.5 - 5.2 | 01 |
| Chloride | 98 | | mmol/L | 96 - 106 | 01 |
| Carbon Dioxide, Total | 25 | | mmol/L | 20 - 29 | 01 |
| Calcium | 9.6 | | mg/dL | 8.7 - 10.2 | 01 |
| Protein, Total | 7.3 | | g/dL | 6.0 - 8.5 | 01 |
| Albumin | 4.8 | | g/dL | 3.5 - 5.5 | 01 |
| Globulin, Total | 2.5 | | g/dL | 1.5 - 4.5 | |
| A/G Ratio | 1.9 | | | 1.2 - 2.2 | |
| Bilirubin, Total | 1.8 | High | mg/dL | 0.0 - 1.2 | 01 |
| Alkaline Phosphatase | 56 | | IU/L | 39 - 117 | 01 |
| AST (SGOT) | 31 | | IU/L | 0 - 40 | 01 |
| ALT (SGPT) | 38 | | IU/L | 0 - 44 | 01 |
| Pregnenolone, MS | 85 | | ng/dL | | 02 |
| Reference Range: Adults: <151 | | | | | |
| Dihydrotestosterone | 78 | | ng/dL | | 02 |
| Reference Range: Adult Male: 30 - 85 | | | | | |
| DHEA-Sulfate | 346.2 | | ug/dL | 102.6 - 416.3 | 01 |
| Testosterone, Serum | 715 | | ng/dL | 264 - 916 | 01 |
| Adult male reference interval is based on a population of healthy nonobese males (BMI <30) between 19 and 39 years old. Travison, et.al. JCEM 2017,102;1161-1173. PMID: 28324103. | | | | | |
| Luteinizing Hormone(LH), S | | | | | |
| LH | 2.7 | | mIU/mL | 1.7 - 8.6 | 01 |
| FSH, Serum | | | | | |
| FSH | 2.5 | | mIU/mL | 1.5 - 12.4 | 01 |
| ACTH, Plasma | 21.5 | | pg/mL | 7.2 - 63.3 | 01 |
| ACTH reference interval for samples collected between 7 and 10 AM. | | | | | |
| Prolactin | 5.9 | | ng/mL | 4.0 - 15.2 | 01 |
| Vitamin D, 25-Hydroxy | 72.5 | | ng/mL | 30.0 - 100.0 | 01 |

Date Issued: 08/15/18 0901 ET

FINAL REPORT

Page 2 of 3

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Patient Report

Specimen ID: 017-504-9310-0
Control ID: 10318313615

Acct #: 37045280

Phone: (484) [REDACTED]

Rte: 00

ADAIKKAPPAN, VJAY M.

1252 MEMORY LN
WEST CHESTER PA 19380
(484) 716-9689

Phoenixville PA 19460-2276



Patient Details

DOB: 03/09/1983
Age(y/m/d): 035/10/08
Gender: M
Patient ID:

Specimen Details

Date collected: 01/17/2019 1334 Local
Date received: 01/17/2019
Date entered: 01/17/2019
Date reported: 01/23/2019 1609 ET

Physician Details

Ordering: [REDACTED]
Referring: [REDACTED]
ID:
NPI: 1912294992

General Comments & Additional Information

Total Volume: Not Provided

Fasting: Yes

Ordered Items

CBC With Differential/Platelet; Comp. Metabolic Panel (14); Lipid Panel; Iron and TIBC; QuantiFERON-TB Gold Plus; Lyme Ab/Western Blot Reflex; ANA; Rheumatoid Arthritis Factor; Panel 083935; HCV Antibody; TSH Rfx on Abnormal to Free T4; LDH; RPR; Sedimentation Rate-Westergren; Creatine Kinase, Total; Vitamin B12; Haptoglobin; Ferritin, Serum; HBsAg Screen; C-Reactive Protein, Quant; Ambig Abbrev LP Default; Venipuncture

| TESTS | RESULT | FLAG | UNITS | REFERENCE INTERVAL | LAB |
|---------------------------------------|--------|------|-------------|--------------------|-----|
| CBC With Differential/Platelet | | | | | |
| WBC | 4.3 | | x10E3/uL | 3.4-10.8 | 01 |
| RBC | 4.90 | | x10E6/uL | 4.14-5.80 | 01 |
| Hemoglobin | 13.9 | | g/dL | 13.0-17.7 | 01 |
| Hematocrit | 39.0 | | % | 37.5-51.0 | 01 |
| MCV | 80 | | fL | 79-97 | 01 |
| MCH | 28.4 | | pg | 26.6-33.0 | 01 |
| MCHC | 35.6 | | g/dL | 31.5-35.7 | 01 |
| RDW | 14.1 | | % | 12.3-15.4 | 01 |
| Platelets | 215 | | x10E3/uL | 150-379 | 01 |
| Neutrophils | 51 | | % | Not Estab. | 01 |
| Lymphs | 42 | | % | Not Estab. | 01 |
| Monocytes | 5 | | % | Not Estab. | 01 |
| Eos | 1 | | % | Not Estab. | 01 |
| Basos | 1 | | % | Not Estab. | 01 |
| Neutrophils (Absolute) | 2.2 | | x10E3/uL | 1.4-7.0 | 01 |
| Lymphs (Absolute) | 1.8 | | x10E3/uL | 0.7-3.1 | 01 |
| Monocytes (Absolute) | 0.2 | | x10E3/uL | 0.1-0.9 | 01 |
| Eos (Absolute) | 0.0 | | x10E3/uL | 0.0-0.4 | 01 |
| Baso (Absolute) | 0.0 | | x10E3/uL | 0.0-0.2 | 01 |
| Immature Granulocytes | 0 | | % | Not Estab. | 01 |
| Immature Grans (Abs) | 0.0 | | x10E3/uL | 0.0-0.1 | 01 |
| Comp. Metabolic Panel (14) | | | | | |
| Glucose | 81 | | mg/dL | 65-99 | 01 |
| BUN | 17 | | mg/dL | 6-20 | 01 |
| Creatinine | 0.77 | | mg/dL | 0.76-1.27 | 01 |
| eGFR If NonAfricn Am | 118 | | mL/min/1.73 | >59 | |
| eGFR If Africn Am | 136 | | mL/min/1.73 | >59 | |

Date Issued: 08/26/21 2352 ET

FINAL REPORT

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Patient Report

Patient: ADAIKKAPPAN, VIJAY M.
 DOB: 03/09/1983

Patient ID:

Control ID: 10318313615

Specimen ID: 017-504-9310-0
 Date collected: 01/17/2019 1334 Local

| TESTS | RESULT | FLAG | UNITS | REFERENCE INTERVAL | LAB |
|--|--------------|------|----------------|---|-----|
| Lyme Disease Ab, Quant, IgM | <0.80 | | Positive index | >1.09 0.00-0.79 | 01 |
| | | | Negative | <0.80 | |
| | | | Equivocal | 0.80 - 1.19 | |
| | | | Positive | >1.19 | |
| IgM levels may peak at 3-6 weeks post infection, then gradually decline. | | | | | |
| ANA | | | | | |
| Antinuclear Antibodies, IFA | Negative | | | Negative <1:80 Borderline 1:80 Positive >1:80 | 01 |
| Please Note: | | | | | |
| ANA Multiplex methodology was designed to detect up to 11 antibodies of the 100+ antibodies that may be detected by ANA IFA methodology. | | | | | |
| Rheumatoid Arthritis Factor | | | | | |
| RA Latex Turbid. | 10.1 | | IU/mL | 0.0-13.9 | 01 |
| Panel 083935 | | | | | |
| HIV Screen 4th Generation wRfx | Non Reactive | | | Non Reactive | 01 |
| HCV Antibody | | | | | |
| Hep C Virus Ab | 0.2 | | s/co ratio | 0.0-0.9 | 01 |
| | | | Negative: | < 0.8 | |
| | | | Indeterminate: | 0.8 - 0.9 | |
| | | | Positive: | > 0.9 | |
| The CDC recommends that a positive HCV antibody result be followed up with a HCV Nucleic Acid Amplification test (550713). | | | | | |
| TSH Rfx on Abnormal to Free T4 | | | | | |
| TSH | 4.670 | High | uIU/mL | 0.450-4.500 | 01 |
| T4,Free (Direct) | 1.44 | | ng/dL | 0.82-1.77 | 01 |
| LDH | 153 | | IU/L | 121-224 | 01 |
| RPR | Non Reactive | | | Non Reactive | 01 |
| Sedimentation Rate-Westergren | | | | | |
| | 2 | | mm/hr | 0-15 | 01 |
| Creatine Kinase,Total | 75 | | U/L | 24-204 | 01 |
| Vitamin B12 | 719 | | pg/mL | 232-1245 | 01 |

Patient: **ADAIKKAPPAN, VUAY M.**
 DOB: 03/09/1983

Patient ID:

Control ID: 10318313615

 Specimen ID: 017-504-9310-0
 Date collected: 01/17/2019 1334 Local

| TESTS | RESULT | FLAG | UNITS | REFERENCE INTERVAL | LAB |
|---|-------------|-------------|-----------|--------------------|-----|
| BUN/Creatinine Ratio | 22 | High | | 9-20 | |
| Sodium | 140 | | mmol/L | 134-144 | 01 |
| Potassium | 3.9 | | mmol/L | 3.5-5.2 | 01 |
| Chloride | 100 | | mmol/L | 96-106 | 01 |
| Carbon Dioxide, Total | 23 | | mmol/L | 20-29 | 01 |
| Calcium | 10.3 | High | mg/dL | 8.7-10.2 | 01 |
| Protein, Total | 7.9 | | g/dL | 6.0-8.5 | 01 |
| Albumin | 5.2 | | g/dL | 3.5-5.5 | 01 |
| Globulin, Total | 2.7 | | g/dL | 1.5-4.5 | |
| A/G Ratio | 1.9 | | | 1.2-2.2 | |
| Bilirubin, Total | 1.5 | High | mg/dL | 0.0-1.2 | 01 |
| Alkaline Phosphatase | 59 | | IU/L | 39-117 | 01 |
| AST (SGOT) | 22 | | IU/L | 0-40 | 01 |
| ALT (SGPT) | 16 | | IU/L | 0-44 | 01 |
| Lipid Panel | | | | | |
| Cholesterol, Total | 139 | | mg/dL | 100-199 | 01 |
| Triglycerides | 38 | | mg/dL | 0-149 | 01 |
| HDL Cholesterol | 62 | | mg/dL | >39 | 01 |
| VLDL Cholesterol Cal | 8 | | mg/dL | 5-40 | |
| LDL Cholesterol Calc | 69 | | mg/dL | 0-99 | |
| Iron and TIBC | | | | | |
| Iron Bind.Cap. (TIBC) | 346 | | ug/dL | 250-450 | |
| UIBC | 244 | | ug/dL | 111-343 | 01 |
| Iron | 102 | | ug/dL | 38-169 | 01 |
| Iron Saturation | 29 | | % | 15-55 | |
| QuantiferON-TB Gold Plus | | | | | |
| QuantiferON Incubation | | | | | |
| Incubation performed. | | | | | 01 |
| QuantiferON Criteria | | | | | |
| The QuantiferON-TB Gold Plus result is determined by subtracting the Nil value from either TB antigen (Ag) tube. The mitogen tube serves as a control for the test. | | | | | 01 |
| QuantiferON TB1 Ag Value | 0.02 | | IU/mL | | 01 |
| QuantiferON TB2 Ag Value | 0.02 | | IU/mL | | 01 |
| QuantiferON Nil Value | 0.02 | | IU/mL | | 01 |
| QuantiferON Mitogen Value | 9.00 | | IU/mL | | 01 |
| QuantiferON-TB Gold Plus | Negative | | | Negative | 01 |
| Lyme Ab/Western Blot Reflex | | | | | |
| Lyme IgG/IgM Ab | <0.91 | | ISR | 0.00-0.90 | 01 |
| | | | Negative | <0.91 | |
| | | | Equivocal | 0.91 - 1.09 | |

Specimen ID: 027-436-9654-0
Control ID: PRO115300

Acct #: 37092603

Phone: (215) [REDACTED]

Rte: XB

ADAIKKAPPAN, VIJAY M.
1252 MEMORY LN
WEST CHESTER PA 19380
(484) 716-9689

[REDACTED]
QUAKERTOWN PA 18951



Patient Details

DOB: 03/09/1983
Age(y/m/d): 036/10/18
Gender: M
Patient ID: 42977

Specimen Details

Date collected: 01/27/2020 0921 Local
Date received: 01/27/2020
Date entered: 01/27/2020
Date reported: 01/28/2020 1205 ET

Physician Details

Ordering: [REDACTED]
Referring: [REDACTED]
ID: 1003848292
NPI: 1003848292

General Comments & Additional Information

Clinical Info: [REDACTED]

Alternate Control Number: PRO115300

Total Volume: Not Provided

Alternate Patient ID: 42977

Fasting: Yes

Ordered Items

CBC With Differential/Platelet; Comp. Metabolic Panel (14); Lipid Panel w/ Chol/HDL Ratio; Hemoglobin A1c; Thyroxine (T4) Free, Direct, S; DHEA-Sulfate; TSH; Vitamin D, 25-Hydroxy; Homocyst(e)ine; Triiodothyronine (T3), Free; Venipuncture

| TESTS | RESULT | FLAG | UNITS | REFERENCE INTERVAL | LAB |
|---------------------------------------|------------|------------|-------------|--------------------|-----|
| CBC With Differential/Platelet | | | | | |
| WBC | 3.0 | Low | x10E3/uL | 3.4-10.8 | 01 |
| RBC | 5.37 | | x10E6/uL | 4.14-5.80 | 01 |
| Hemoglobin | 15.2 | | g/dL | 13.0-17.7 | 01 |
| Hematocrit | 43.0 | | % | 37.5-51.0 | 01 |
| MCV | 80 | | fL | 79-97 | 01 |
| MCH | 28.3 | | pg | 26.6-33.0 | 01 |
| MCHC | 35.3 | | g/dL | 31.5-35.7 | 01 |
| RDW | 14.3 | | % | 11.6-15.4 | 01 |
| Platelets | 173 | | x10E3/uL | 150-450 | 01 |
| Neutrophils | 80 | | % | Not Estab. | 01 |
| Lymphs | 11 | | % | Not Estab. | 01 |
| Monocytes | 8 | | % | Not Estab. | 01 |
| Eos | 1 | | % | Not Estab. | 01 |
| Basos | 0 | | % | Not Estab. | 01 |
| Neutrophils (Absolute) | 2.4 | | x10E3/uL | 1.4-7.0 | 01 |
| Lymphs (Absolute) | 0.3 | Low | x10E3/uL | 0.7-3.1 | 01 |
| Monocytes (Absolute) | 0.2 | | x10E3/uL | 0.1-0.9 | 01 |
| Eos (Absolute) | 0.0 | | x10E3/uL | 0.0-0.4 | 01 |
| Baso (Absolute) | 0.0 | | x10E3/uL | 0.0-0.2 | 01 |
| Immature Granulocytes | 0 | | % | Not Estab. | 01 |
| Immature Grans (Abs) | 0.0 | | x10E3/uL | 0.0-0.1 | 01 |
| Comp. Metabolic Panel (14) | | | | | |
| Glucose | 86 | | mg/dL | 65-99 | 01 |
| BUN | 6 | | mg/dL | 6-20 | 01 |
| Creatinine | 0.87 | | mg/dL | 0.76-1.27 | 01 |
| eGFR If NonAfricn Am | 111 | | mL/min/1.73 | >59 | |

Patient Report

Patient: ADAIKKAPPAN, VJAY M.
 DOB: 03/09/1983

Patient ID: 42977

Control ID: PRO115300

Specimen ID: 027-436-9654-0
 Date collected: 01/27/2020 0921 Local

| TESTS | RESULT | FLAG | UNITS | REFERENCE INTERVAL | LAB |
|---|--------|------|--------|--------------------|-----|
| TSH | 4.600 | High | uIU/mL | 0.450-4.500 | 01 |
| Vitamin D, 25-Hydroxy | 34.1 | | ng/mL | 30.0-100.0 | 01 |
| <p>Vitamin D deficiency has been defined by the Institute of Medicine and an Endocrine Society practice guideline as a level of serum 25-OH vitamin D less than 20 ng/mL (1,2). The Endocrine Society went on to further define vitamin D insufficiency as a level between 21 and 29 ng/mL (2).</p> <p>1. IOM (Institute of Medicine). 2010. Dietary reference intakes for calcium and D. Washington DC: The National Academies Press.</p> <p>2. Holick MF, Binkley NC, Bischoff-Ferrari HA, et al. Evaluation, treatment, and prevention of vitamin D deficiency: an Endocrine Society clinical practice guideline. JCEM. 2011 Jul; 96(7):1911-30.</p> | | | | | |
| Homocyst(e)ine | 13.4 | | umol/L | 0.0-14.5 | 01 |
| **Please note reference interval change** | | | | | |
| Triiodothyronine (T3), Free | 3.1 | | pg/mL | 2.0-4.4 | 01 |

01 RN

For inquiries,