

# VARIEGATE PORPHYRIA: AN UNUSUAL CASE AND PRESENTATION KRIPA AHUJA MS, KATHERINE WATSON MD

## **CASE PRESENTATION**

Since birth, a 3-year-old female has had recurrent episodes of apnea and severe headaches. Suspected congenital central hypoventilation have to syndrome, the patient underwent genetic testing for mutations in the PHOX2B gene. This testing revealed no abnormalities, which prompted the patient to undergo whole exome sequencing testing.

# RESULTS

Whole exome sequencing results detected a heterozygous mutation in the PPOX gene c.1287delp (K429NFs\*2) which is associated with variegate porphyria. The patient's mother also disclosed that she has experienced episodes of abdominal pain and photosensitivity since puberty. The patient's genetic testing results prompted evaluation of the mother and other siblings which revealed that 2 of the patient's sisters (ages 7 and 4) and the mother have the same mutation, however the sisters have experienced no symptoms.

#### DISCUSSION

Common skin manifestations of variegate porphyria include blistering lesions such as subepidermal vesicles, bullae, and erosions on sunexposed skin, particularly the hands and face. Other chronic skin findings include milia, scarring, and thickening with varying pigmentation levels. The treatment for variegate porphyria includes photo-protection and avoiding triggers. Although variegate porphyria typically presents after puberty with episodes of neurovisceral symptoms and photosensitivies, atypical symptoms may be seen in children including headaches and apnea.



# REFERENCES

1. Singal AK, Anderson KE. Variegate Porphyria. 2013 Feb 14 [Updated 2019 Dec 12]. In: Adam MP, Feldman J, Mirzaa GM, et al., editors. GeneReviews® [Internet]. Seattle (WA): University of Washington, Seattle; 1993-2023. Available from: https://www.ncbi.nlm.nih.gov/books/NBK121283





# BACKGROUND

Variegate porphyria (VP) is classified as both a cutaneous and an acute porphyria. It can present with chronic blistering cutaneous



# CONCULSION

Positive genetic testing in a child should prompt further testing of family members. Relatives may be diagnosed years later and may finally have an answer for their symptoms. Variegate porphyria is a disorder that can have a significant impact on quality of life, but if appropriately managed, can lead to improved outcomes.