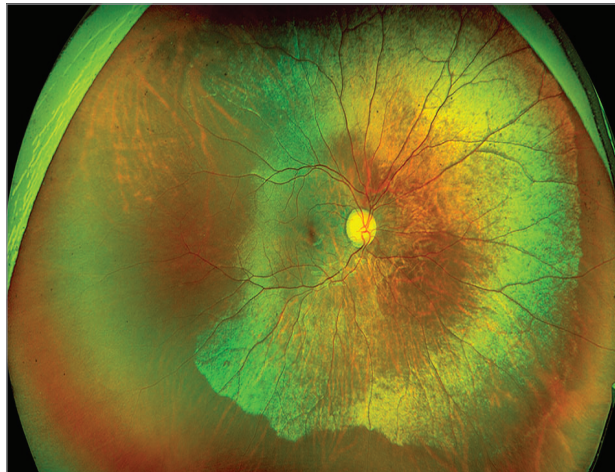


Ophthalmic Images

Bilateral Tapetal Reflex in a 12-Year-Old Girl

Sashwanthi Mohan, MBBS, DNB; Shruthi Suresh, MS

A Widefield image of the right eye



B Widefield image of the left eye

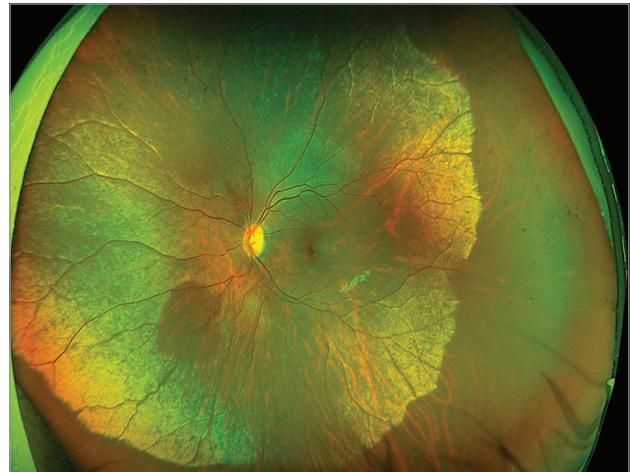


Figure. Bilateral widefield Optos fundus images of the right (A) and left (B) eyes of a 12-year-old girl showing a bright golden metallic sheen sparing the central macula and the peripheral retina.

Bilateral fundus examination of a 12-year-old girl with visual acuity 6/9, N6 OU, and myopia of −10 diopters in the right eye and −7 diopters in left eye revealed a golden metallic tapetal sheen sparing the central macula and peripheral retina in both eyes (**Figure**). She had no visual symptoms and no similar family history. Electroretinography (ERG) revealed nonrecordable scotopic responses with normal photopic responses and a negative b wave in dark-adapted 3.0 ERG and 10.0 ERG. A provisional diagnosis of Oguchi disease was

made; however, prolonged dark adaptation to evaluate for Mizuo-Nakamura phenomenon could not be done. Oguchi disease is an autosomal recessive form of congenital stationary night blindness.¹ It is characterized by a golden-brown fundus with a metallic sheen in the light-adapted state, which disappears after prolonged dark adaptation; this is called the Mizuo-Nakamura phenomenon.² Tapetal-like reflex is also seen in carriers of X-linked retinitis pigmentosa and in juvenile-linked retinoschisis.³

ARTICLE INFORMATION

Author Affiliations: Sankara Nethralaya, Chennai, India.

Corresponding Author: Sashwanthi Mohan, MBBS, DNB, Sankara Nethralaya, No. 41 Old No. 18, College Road, Chennai 600006, India (sashu23@gmail.com).

Conflict of Interest Disclosures: None reported.

Additional Contributions: We thank the patient's mother for granting permission to publish this information.

REFERENCES

1. Rishi P, Rishi E, Abraham S. Oguchi disease with Mizuo-Nakamura phenomenon in a 7-year-old boy. *GMS Ophthalmol Cases*. 2018;8:Doc07.

2. Mittal K, Chawla R. Mizuo-Nakamura phenomena. *Ophthalmic Surg Lasers Imaging Retina*. 2016;47(11):1068. doi:10.3928/23258160-20161031-14

3. Schatz P, Bregnhøj J, Arvidsson H, et al. A tapetal-like fundus reflex in a healthy male: evidence against a role in the pathophysiology of retinal degeneration? *Mol Vis*. 2012;18:1147-1155.