

CO-EXISTENCE OF RARE CONGENITAL ANOMALIES: OPTIC DISC PIT WITH MACULOPATHY AND OPTIC DISC COLOBOMA

Gulshan Barwar*

Consultant, Department of Vitreo-Retina Services, Usha Hospital & Retina Care, Ajmer, Rajasthan, India.

Article Received: 18 July 2026 | Article Revised: 08 August 2026 | Article Accepted: 28 August 2026

***Corresponding Author: Gulshan Barwar**

Consultant, Department of Vitreo-retina services, Usha Hospital & Retina Care, Ajmer, Rajasthan, India.

DOI: <https://doi.org/10.5281/zenodo.22342667>

How to cite this Article: Gulshan Barwar (2026) CO-EXISTENCE OF RARE CONGENITAL ANOMALIES: OPTIC DISC PIT WITH MACULOPATHY AND OPTIC DISC COLOBOMA. World Journal of Pharmaceutical Science and Research, 5(9), 375-376.



Copyright © 2026 Gulshan Barwar | World Journal of Pharmaceutical Science and Research.

This work is licensed under creative Commons Attribution-NonCommercial 4.0 International license (CC BY-NC 4.0).

ABSTRACT

Optic disc pit and optic disc coloboma are rare congenital anomalies of the optic nerve. Their co-existence, particularly with optic disc pit maculopathy, is extremely uncommon. A 20-year-old male presented with decreased vision in the right eye. Fundus examination revealed a temporally located optic disc pit associated with an adjacent optic disc coloboma. Optical coherence tomography demonstrated disc pit maculopathy with schisis-like retinal separation and serous macular detachment. This case highlights the rare association of optic disc pit, maculopathy, and optic disc coloboma.

KEYWORDS: Optic disc pit, optic disc pit maculopathy, optic disc coloboma.

CASE REPORT

A 20 years old male patient presented with decreased vision in right eye. Fundus examination revealed an optic disc pit located temporally, associated with adjacent optic disc coloboma (Fig 1A). Optical coherence tomography (OCT) of macula showed features of disc pit maculopathy with schisis-like retinal separation and serous macular detachment (Fig 1B). OCT of optic disc demonstrated optic disc pit (Fig 1 C) and disc coloboma (Fig 1D) changes. The association of optic disc pit with maculopathy and optic disc coloboma is extremely rare and few isolated case reports.^[1,2,3,4] have mentioned their co-existence.

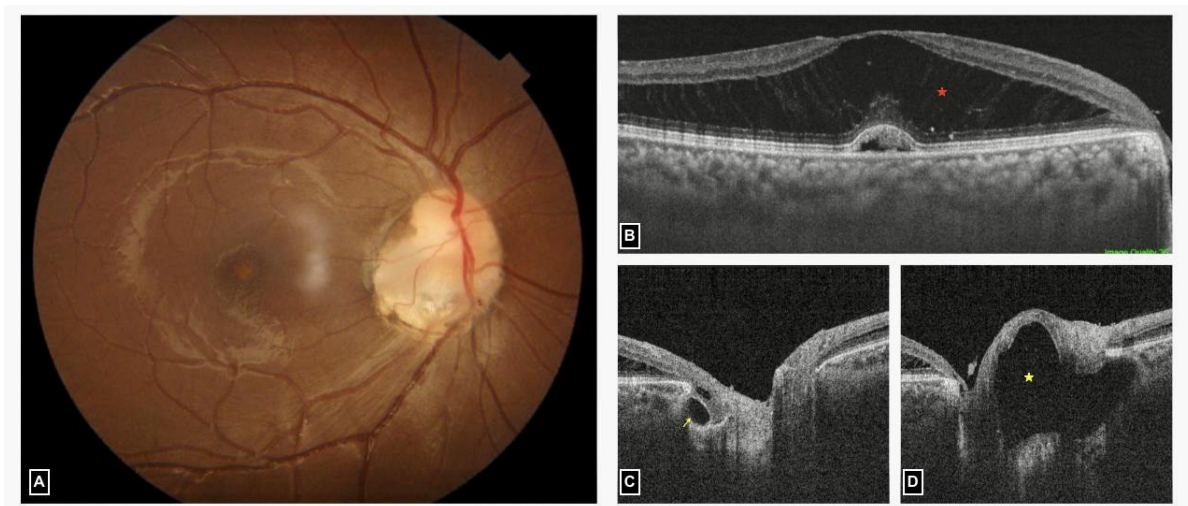


Figure 1: A: Fundus photo shows optic disc pit with disc coloboma. B: OCT of macula shows disc pit maculopathy in form of retinal schisis (red star) and serous macular detachment. C, D: OCT disc shows optic disc pit (yellow arrow) and excavation of disc coloboma (yellow star)

Declaration of patient consent

The author certify that they have obtained all appropriate patient consent forms. In the form the patient has / have given his/her consent for his/her image and other clinical information to be reported in the journal. The patient understand that their names and initials will not be published and due efforts will be made to conceal their identity, but anonymity cannot be guaranteed.

Financial support and sponsorship:- Nil

Conflict of interest:- No conflicts of interest

REFERENCES

1. Barwar, Gulshan; Parchand, Swapnil Madhukar; Agrawal, Deepshikha; Gangwe, Anil Babanrao. Twin disc anomaly – A rare case of optic disc pit with disc coloboma. *Indian Journal of Ophthalmology - Case Reports*, Jan–Mar 2023; 3(1): p 257. | DOI: 10.4103/ijo.IJO_1786_22
2. Barwar, Gulshan. Triple disc anomaly: A rare entity. *Indian Journal of Ophthalmology - Case Reports*, Oct–Dec 2025; 5(4): p 771-772. | DOI: 10.4103/IJO.IJO_840_25
3. Abe RY, Iguma CI, Wen LC. A hybrid coloboma and optic disc pit associated with macular retinoschisis. *BMC Ophthalmol*, 2019 Nov 4; 19(1): 212.
4. Nayak MA, Agarwal S. Bilateral optic disc pit coexistent with coloboma and maculopathy. *BMJ Case Reports CP*, 2024; 17: e260841.