

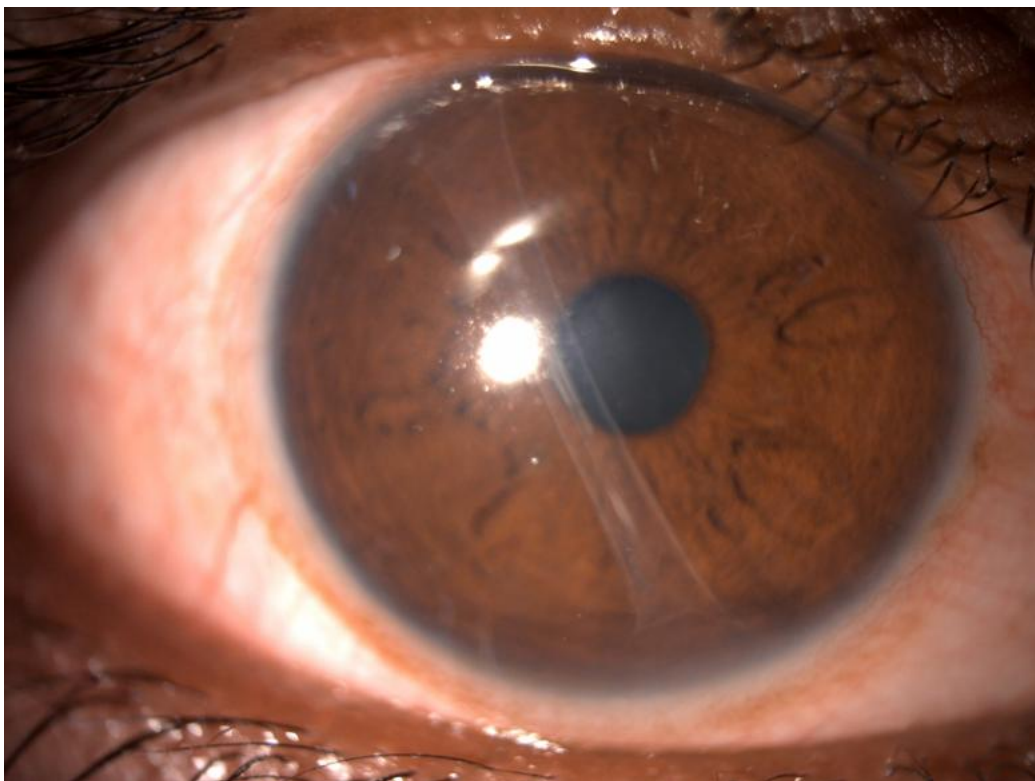
Descemet Membrane Scroll in Anterior Chamber Secondary to Forceps Delivery with a Remarkably Clear Cornea

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Abstract: *Descemet membrane scrolls in the anterior chamber are a rare consequence of birth trauma. This photo essay presents the case of a 28-year-old student with a history of forceps-assisted delivery, who exhibited a taut Descemet membrane scroll in the anterior chamber of the right eye with no corneal scars or opacities. The patient's vision was corrected conservatively with spectacles, and the case highlights the atypical presentation of unilateral involvement and the remarkable clarity of the cornea despite the injury.*

Keywords: Descemet membrane scroll, forceps delivery, ocular birth trauma, corneal clarity, irregular astigmatism.



1. Case Summary

A 28-year-old student with no comorbidities presented with complaints of blurred vision in both eyes, more pronounced in the right eye than in the left. Best-corrected visual acuity was 6/18 in the right eye with astigmatism of -5.00DC at 20 degrees, and 6/9 in the left eye with -2.00DC at 90 degrees. The ocular examination was unremarkable in the left eye, while the right eye revealed an obliquely oriented, taut Descemet membrane scroll in the anterior chamber, with a remarkably clear cornea and no scars or opacities. The patient had a history of complicated, forceps assisted delivery. Ocular injuries due to birth trauma are usually unilateral and more commonly seen in the left eye as the left occiput anterior position is the most common fetal head position.¹ Such patients often have irregular astigmatism, leading to poor

uncorrected distance visual acuity.² Our patient was managed conservatively with spectacle correction.

2. Purpose Statement

This photo essay aims to highlight the rare presentation of ocular trauma resulting in a taut Descemet membrane scroll with an unexpectedly clear cornea, emphasizing the importance of conservative management in such cases.

3. Conclusion

This case underscores the atypical manifestation of ocular birth trauma, with an emphasis on the conservative management approach that yielded satisfactory visual outcomes. The remarkable clarity of the cornea despite the

injury provides a unique perspective for further studies on the long-term implications of such conditions

References

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