

Cyclodialysis cleft repair: A multi-centred, retrospective case series

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Importance: There is a paucity of evidence analysing the treatment of cyclodialysis clefts. **Background:** We describe outcomes following the treatment of this rare condition at six centres internationally. **Design:** Retrospective case series. **Participants:** Thirty-six patients with a cyclodialysis cleft from 2003 to 2017 were recruited. **Methods:** Clefts were treated with cycloplegic agents, laser therapy and/or surgery. **Main Outcome Measures:** Postoperative best recorded visual acuity (BRVA), intraocular pressure (IOP) and the rate of cleft closure. **Results:** The mean age was 45 ± 17 years and 29 (80.6%) patients were male. One eye (2.8%) received only medical therapy, 5 (13.9%) received laser, 14 (38.9%) underwent surgery after laser failure and 16 (44.4%) eyes received exclusively surgery. Over 80% of eyes had a BRVA improvement of more than two lines. Closure was attained in 30 eyes (93.8%; $n = 32$), with postoperative stabi