( ) R1 (X) R2 ( ) R3 ( ) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( )
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BILATERAL SPONTANEOUS ANTERIOR CAPSULE RUPTURE IN ALPORT SYNDROME

Gusmão FA; LS Jung; Moreno GL; Braga KN; Soriano ES; Moraes NSB. PURPOSE: To report a case of cataract extraction of bilateral spontaneous anterior capsular rupture in a 16-year-old patient with Alport syndrome. METHOD: Interventional case report. RESULTS: Patient complaining of acute decrease of vision in the left eye for 5 days. There was no history of recent ocular trauma. His past medical history was significant for hemorrhagic nephritis and hearing loss, which were investigated for Alport syndrome. Slit lamp evaluation revealed an anterior lenticonus in his OD (BCVA of 20/30) and rupture of the anterior capsule in his OS (BCVA of hand movement) with lens cortical material free floating in the anterior chamber. Cataract surgery was performed and a foldable IOL was implanted in the capsular bag. At a follow-up examination, 2 months later, his BCVA was 20/30 and 20/40. Three months after surgery, patient complained of sudden decrease in the visual acuity of his OD, with no history of trauma. On examination, the BCVA was hand movement and 20/40. Biomicroscopy revealed anterior capsular rupture and lens cortical material in the anterior chamber in the OD. The phacoemulsification was performed using the same technique as the OS. There was a posterior capsular rupture with vitreous loss. Anterior vitrectomy was performed and the IOL was implanted in the ciliary sulcus. So far, there were no postoperative complications and the patient achieved BCVA of 20/40 OU after five months of surgery. CONCLUSION: Although anterior lenticonus and lens opacification are common in patients with Alport syndrome, bilateral spontaneous rupture of the anterior capsule has not been published in the literature. To our knowledge, this is the first report showing this event.