

Ophthalmic Images

Morgagnian Cataract With Liquified Nuclear Cleft

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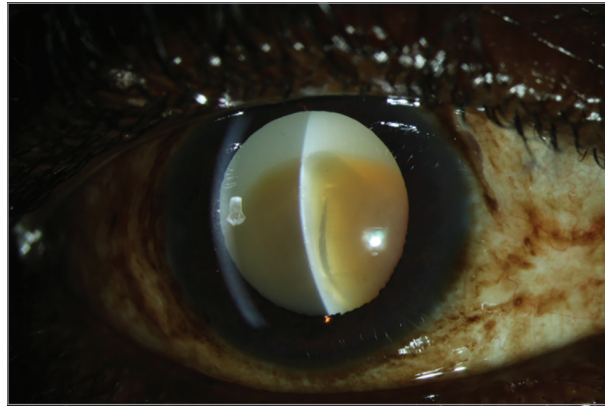
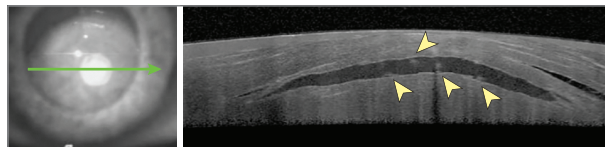
A Slitlamp photography, anterior segment**B** Optical coherence tomography, anterior segment

Figure. A, Slitlamp photography, anterior segment, shows a brunescient lens with central cleft, sunken inferiorly in a milky white substance. B, Optical coherence tomography, anterior segment, reveals hyperreflective material within the cleft, which is consistent with morgagnian globules.

A patient in his early 60s with a history of vitrectomy and membrane peel for epiretinal membrane in the right eye 20 years prior presented with gradually decreasing visual acuity over the past few years. On examination, visual acuity was light perception OD, and the intraocular pressure was normal. Anterior-segment examination was notable for conjunctival melanosis and a brunescient lens with central cleft, sunken inferiorly in a milky white substance, which is consis-

tent with a morgagnian cataract (Figure, A). Anterior-segment optical coherence tomography (Figure, B) showed hyperreflective material within the cleft consistent with morgagnian globules, which are large collections of liquified lens protein (yellow arrowheads). Cataract clefts are usually formed when lens fibers in the cortex degenerate and are rarely seen within the nucleus as in this patient. After cataract surgery, the patient's visual acuity improved to 20/20 OD.

ARTICLE INFORMATION

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