

When the savior becomes a demon: Silicon oil synechia-induced glaucoma

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Background: Silicon oil is an important adjunct for achieving internal tamponade in the treatment of retinal detachment. Silicone oil tamponade often leads to narrowing of the angle and development of adhesions between the iris and anterior chamber angle structures, with consequential elevation of the intraocular pressure. The video showcases the management of these challenging scenarios. **Purpose:** To highlight the management of early synechial closures due to silicon oil tamponade. **Synopsis:** The video highlights the management of early synechial closure following silicon oil tamponade. Surgical pupilloplasty has been demonstrated to break the peripheral anterior synechias on intraoperative gonioscopy as well as on anterior segment optical coherence tomography (AS-OCT). Performing pupilloplasty in the early phase of development of peripheral anterior synechias (PAS) helps to break the existing synechias and prevent angle closure and sequential deterioration of vision. **Highlights:** Surgical pupilloplasty helps to relieve the post silicon oil-induced secondary angle closure glaucoma by breaking the peripheral anterior synechias and significantly opening the anterior chamber angles. **Online Video Link:** <https://youtu.be/xe2NGlhPBF4>

Key words: Angle Closure Glaucoma, glaucoma, retinal detachment, silicon oil, PAS, peripheral anterior synechias, pupilloplasty

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