Oral | Abstract 552

COMBINED RETINA SURGERY + CATARACT / IOL / CORNEA /GLAUCOMA

FLUOCINOLONE ACETONIDE SCLERAL-SUTURED IMPLANT

2-min Case presentation

Tomatis F.*

Università degli Studi di Verona ~ Verona ~ Italy

The 0.19 mg fluocinolone acetonide intravitreal implant (Iluvien) is indicated for chronic diabetic macular edema (DME) insufficiently responsive to anti-VEGF therapy in pseudophakic eyes. In eyes with altered anterior segment anatomy, intravitreal implants may carry a higher risk of anterior migration.

We report a pseudophakic patient with chronic DME and a retropupillary iris-claw intraocular lens (Artisan) who had received multiple dexamethasone intravitreal implants (Ozurdex) with only transient benefit. Following a prior Ozurdex implantation, the patient developed corneal decompensation, raising concern for implant-related anterior segment complications.

The video presents an emerging surgical technique for Iluvien implantation using a scleral flap and scleral suturing to secure the implant and control its release. This approach was selected to mitigate the risk of anterior chamber migration that could occur without stabilization in the setting of a retropupillary iris-claw IOL. UBM and anterior OCT showed the position of the implant 3 months post op with improvement of the retina edema.

scleral-sutured implantation may represent a reproducible option in selected high-risk eyes to enhance implant stability and reduce the likelihood of anterior migration of Iluvien implant. Prospective studies will be needed to confirm the efficacy in these subgroup of patients.