

POST SURGICAL DIPLOPIA MANAGEMENT WITH PROSTHETIC SCLERAL LENSES

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BACKGROUND

Retinal surgeries are anatomically successful but in some cases can lead to disturbed binocular vision or diplopia. Even with Vision therapy diplopia or disturbance is annoying for the patient. Vision occlusion remains only option. But cosmetically it becomes challenging to occlude one eye. Prosthetic soft contact lenses can be used for such purpose but custom matching with normal eye remains a challenge. Custom painted Prosthetic Scleral lens can be a great option in blocking the vision reliving diplopia for the patient.



CASE DESCRIPTION

54 year old female patients we presented with multiple retinal detachment surgeries on her Right eye that was -13.00 / -1.75 x 120 Finger counting 2 feet. Left eye +0.50 / -1.75 x 30 20/20 complaining of diplopia and distorted vision. unable to concentrate or engage in eye contacts. last retinal surgery was performed five years ago. Patient tried vision occlusion for operated eye with soft prosthetic contact lenses but was not comfortable due to dry eyes and poor matching. Especially the black pupil was not off-center on prosthetic lens as in her normal eye. Patient wanted something more matching cosmetically as well as comfort.

CONCLUSION

We fitted her with high Dk custom painted prosthetic scleral lenses with opaque background that helped her with diplopia and distorted vision. We also fitted her left eye for managing her dry eyes. patient report improved quality of life since last one year with this custom painted prosthetic scleral lenses that occludes her distorted vision and gives comfort in both eyes.

