

Flexible Loop Scraper for Membrane Peeling in Macular Hole Repair During Total Traumatic Hemorrhagic Retinal Detachment Repair Following Perforating Open-Globe Injury

Short Description

A 35 year-old male with history of open-globe repair from BB gun injury 3 weeks prior presented with light perception vision, vitreous hemorrhage and suspected retinal detachment. He underwent 23-gauge pars plana lensectomy, vitrectomy, membrane peeling, retinectomy, subretinal clots removal, endolaser and silicone oil tamponade (Video). Intra operatively, a full thickness macular hole (MH), posterior strike site in temporal macula with overlying scar and hemorrhagic retinal detachment was seen. A pigmented preretinal membrane was covering the posterior pole and peripheral retina. The membrane was very friable and was successfully peeled with flexible loop membrane scraper from the macula and peripheral retina. Macula OCT 2 months later confirmed MH closure (Figure 1). At 6 months, visual acuity was counting fingers, the retina was attached and the MH remained closed. Macular holes are found in just 0.15% of eyes with open-globe injury with reported a closure rate of 40% [1,2].

Case Report

Volume 4 Issue 5 - 2016

R Miller Watson¹ and D Skondra^{2,3*}

¹University of Illinois at Chicago, Retina Service, USA

²J Stroger Cook County Hospital, Retina Service, USA

³Feinberg School of Medicine, Retina Service, USA

***Corresponding author:** Dimitra Skondra, Northwestern University, Retina Service, 1969 W. Ogden Avenue, Chicago, IL, 60612, USA, Email: dimitraskondra@gmail.com

Received: August 05, 2016 | **Published:** August 09, 2016

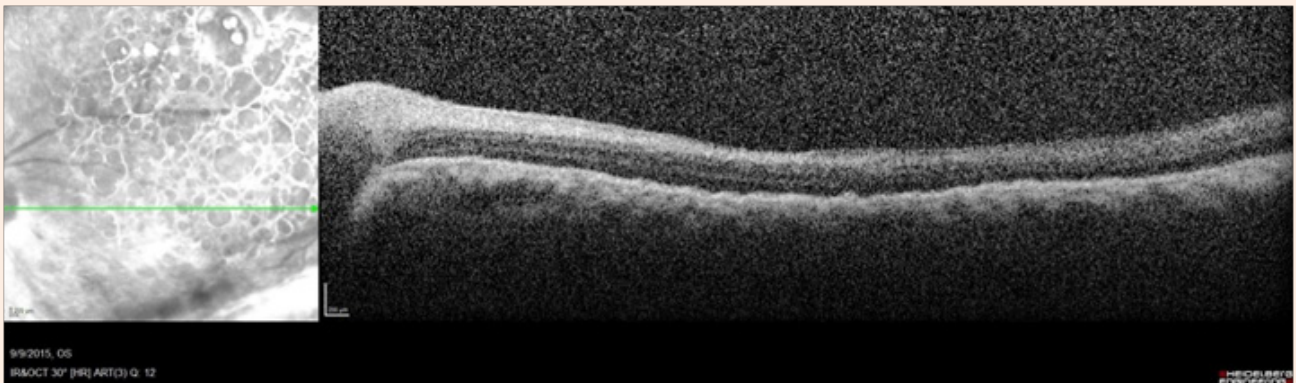


Figure Title: Post-operative macular OCT.

Figure Legend: Macular spectral domain OCT taken 3 months postoperatively demonstrates complete closure of macular hole.

References

1. Kuhn F, Morris R, Mester V, Witherspoon CD (2001) Internal Limiting Membrane Removal for Traumatic Macular Holes. *Ophthalmic Surg Lasers* 32(4): 308-315.
2. Weichel ED, Colyer MD (2009) Traumatic macular holes secondary to combat ocular trauma. *Retina* 29(3): 349-354.

