

Supplemental file 3: Review of literature on the anatomical and functional outcomes of internal limiting membrane peeling performed during vitrectomy for rhegmatogenous retinal detachment.

| Author, Year | Type of study | Eye s- ILMP ^a (Gp1) vs. no ILMP (Gp2) | Duration of retinal detachment | % eyes with macular ERM ^b - Gp1 vs. Gp2 | Final CDVA ^c - Gp1 vs. Gp2 | % eyes with DONFL ^d - Gp1 vs. Gp2 | Follow-up- Gp1 vs. Gp2 | Comments |
|--------------------------------|---------------|--|--------------------------------------|---|--|--|---------------------------|---|
| Aras ³ , 2009 | Retrospective | 20 vs. 22 | Same in both groups | 0 vs. 30% (p=0.02) | 20/80 vs. 20/100 (p=0.49) | - | 24.6 vs. 34.1 weeks | - |
| Odrobin ⁴ , 2012 | Prospective | 33 vs. 51 | - | 0 vs. 17.6% (p=0.006) | 20/1600 vs. 20/1270 (P=0.6) | - | 28.2 vs. 27.4 months | Severe PVR ^e cases; Retinectomy done, SiO ^f tamponade |
| Rao ³ , 2013 | Retrospective | 30 vs. 32 | - | 3.3 vs. 34.4% (p=0.027) | 20/60 vs. 20/40 (p=0.11) | - | 434 vs. 633 days | - |
| Nam ³ , 2015 | Retrospective | 70 vs. 65 | - | 0 vs. 21.5% (p=0.001) | Similar | - | 535 vs. 1282 days | - |
| Akiyama ⁷ , 2016 | Retrospective | 58 vs. 44 | - | 0 vs. 47.7% (thick ERM in 10 eyes) (p=0.001) | 20/25 vs. 20/20 (p=0.47) | - | 6 months | - |
| Forlini ⁸ , 2017 | Retrospective | 78 vs. 81 | - | 9 vs. 31% (OCT ^g based) (p=0.001) | 20/60 vs. 20/120 (p=0.003) | - | 16 months | Group not matched; SF6 ^h / C3F8 ⁱ / SiO tamponade |

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| Eissa ^g , 2018 | Prospective | 20 vs. 23 | 7.3±4.1 vs. 3.6±1.9 weeks (p=0.003) | 0 vs. 17.4% (OCT based) (p=0.05) | 20/200 vs. 20/50 (p<0.001) | 100 vs. 0% (p=0.007) | 6months (SOR ⁱ at 3 months) | SiO tamponade; Mean and foveal RS ^k higher in Gp2 |
| Teijeiro ^l , 2018 | Retrospective | 30 vs. 32 | - | 10 vs. 31.25% (OCT based) (p=0.044) | 20/50 vs. 20/40 (p=0.13) | - | 17 months | SF6 tamponade |
| Garweg ^u , 2018 | Retrospective | 61 vs. 28 | - | 1.6 vs. 35.7% (p<0.001) | 92 vs. 74.4 ETDRS ^v letters (p<0.001) | - | 6 months | SF6 tamponade |
| Current study | Prospective clinical trial | 30 vs. 30 | 37.4±30.2 vs. 26.8±25.8 days (p=0.21) | 0 (ERM outside peeled area in 6 eyes) vs. 20% (p=0.002) | 20/95 vs. 20/80 (p=0.065) | 40 vs. 0% (p=0.001) | 14 vs.15.5 months (median) | SF6 tamponade |

Footnote: ^aILMP Internal limiting membrane peeling, ^bERM Epiretinal membrane, ^cCDVA Corrected distance visual acuity, ^dDONFL Dissociated optic nerve fibre layer, ^ePVR Proliferative vitreoretinopathy, ^fSiO Silicone oil, ^gOCT Optical coherence tomography, ^hSF6 Sulphur hexafluoride, ⁱC3F8 Perfluoropropane, ^jSOR Silicone oil removal, ^kRS Retinal sensitivity, ^lETDRS Early treatment of diabetic retinopathy study.