

Abstract 84

SUPERIOR INVERTED ILM FLAP WITHOUT PEELING OFF TECHNIQUE FOR THE TREATMENT OF LARGE MACULAR HOLE

Poster

Byon I.*, Kim J.

Pusan National University Hospital ~ Busan ~ Korea, Republic of

Purpose:

To evaluate the surgical outcomes of superior inverted internal limiting membrane (ILM) flap without peeling off technique for the treatment of large macular hole (MH). It was a modified technique of Perfluoro-n-Octane(PFO)-Assisted Single Layered inverted ILM flap

Methods:

Eight eyes with MH of 400 μm or greater were included in this retrospective interventional case series. The ILM flap stained by 0.025% BBG was made from the superior area of the hole. The ILM in the temporal, nasal, and inferior area around hole was not peeled off. The hole was gently covered using the inverted ILM flap which was stabilized using a small amount of PFO. The fluid air exchange was performed slowly. The residual PFO was removed by evaporation. The patients were instructed to maintain a facedown position for a day after the operation.

Results:

The average hole size was $613.8 \pm 131.2 \mu\text{m}$. Five eyes were idiopathic MH, one high myopia, one trauma, and one wet age-related macular degeneration. All eyes achieved the type I closure from 1 to 35 postoperative day. Foveal contour gradually improved during the follow-up period. The visual acuity improved from 1.12 to 0.70 logMAR unit.

Conclusions:

The superior inverted ILM flap without peeling off technique was easy for beginners to perform the large macular surgery achieving good anatomical and visual outcomes.