

ILM peeling in retinal detachment

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Problem:

Epiretinal membrane formation occurs in 15% to 20% of eyes after successful vitreous surgery for retinal detachment that is complicated by proliferative vitreoretinopathy (PVR). Epiretinal membranes limit the functional outcome and usually require additional surgical intervention.

Approach:

The aim is the prevention of epiretinal membrane formation by ILM peeling during primary vitrectomy. After triamcinolone-assisted posterior vitreous detachment and vitreous base shaving under scleral indentation staining of ILM is done using indocyanine green. ILM peeling is performed under perfluorocarbon liquid.

Advantage:

The fixation of the detached retina using perfluorocarbon liquid allows a controlled peeling of the ILM.