

Own Modification How to Provide Chandelier Light without Making Another Hole in the Eye in 20 Gauge PPV

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Advantages:

One hand free in order to perform own indentation with simultaneous wide angle viewing under BIOM, Very fast possibility to separate two light sources in order to achieve shadow-free illumination in cases needing bimanual work. In cases of retinal detachment surgery without PFCL effective fluid / air exchange is possible

Methods:

The idea is not a new one - to use one sclerotomy and chandelier lights. The new possibility is to use 27 Gauge twin lights which can be fixed in one tangential self sealing 20 Gauge sclerotomy without suture.

Effectiveness / Safety:

The peripheral vitrectomy in cases of retinal detachment (PVR retinal detachment) can be performed with help of this technique in a very effective way with almost completely aspiration of subretinal fluid. Only disadvantage is the not always closed system during air/fluid exchange which makes this part of the procedure more time-consuming.