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HEAVY SILICONE OIL EXTRACTION: EVALUATION OF A MIXED 25/23 GAUGE SUTURELESS APPROACH

Oral

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Purpose:

To evaluate the feasibility of a mixed 25/23 gauge technique for the extraction of Heavy Silicone Oil in patients who underwent surgery for retinal detachment

Methods:

5 eyes of 5 patients underwent a 25 gauge transconjunctival sutureless pars plana vitrectomy for inferior retinal detachment with Heavy Silicone Oil tamponade.

After 3 months the patients were retreated to remove the Heavy Silicone Oil using a mixed sutureless 25/23 gauge technique.

In all the cases a twin-light chandelier and an illuminated trans-scleral depressor were used.

Results:

All the 5 patients were successfully treated with an average time of 12 minutes.

The IOP during the procedures was always stable.

In all the 5 cases sutures were not needed at the end of the surgery to close the sclerotomies (sutureless technique).

At 3 months of follow up, no adverse effects or complications (ocular hypertension, retinal redetachment) were observed.

Conclusions:

The 25/23 gauge technique showed a high safety profile and allows a fast and efficient Heavy Silicon Oil removal.