

## Abstract 156

### MACULAR RETINAL PATCH FOR RECURRENT MACULAR HOLE

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#### **Introduction:**

To use a video clip to demonstrate the usefulness of the autologous retinal patch in recurrent macular hole.

#### **Materials and methods:**

Surgical video of a 6-year-old patient presenting with a sudden unilateral decrease in vision related to a retinal detachment associated with a macular hole. We describe the operative course of the initial surgery (vitrectomy with peeling of the internal limiting membrane and injection of silicone oil) and the revision surgery under silicone (retinotomy with retinal patch), emphasising the precautions to be taken during these two high-risk procedures.

#### **Results:**

The child was operated under general anaesthesia. The first operation consisted of a 3-port vitrectomy under triamcinolone, peeling of the internal limiting membrane under blue on a detached retina, fluid-air exchange through a peripheral tear, exclusion of the tear by endolaser, air-silicone exchange and finally closure of the sclerotomies. After one month, the retinal detachment recurred inferiorly under silicone and the macular hole reopened. A second operation under general anaesthesia was performed. A two-port inferior retinectomy was performed under silicon oil and a peripheral retinal patch was placed under PFCL on the macular hole. Silicon was reinjected, followed by closure of the sclerotomies. The follow up was marked by closure of the macular hole on the first post-operative day and reapplication of the retina.

#### **Conclusions:**

The autologous retinal patch is an effective alternative surgical technique associated with a good anatomical result in recurrent macular hole.