

## Abstract 85

### **SURGICAL TECHNIQUE FOR REPAIR OF RETINAL DETACHMENT WITH EXTENSIVE PVR (CLOSED FUNNEL CONFIGURATION) IN CHILDREN AND YOUNG ADULTS**

Oral

Habib A.\*, Mansour A.

*Ain Shams University ~ Cairo ~ Egypt*

#### **Purpose:**

To describe a surgical technique and tips for management of retinal detachment (RD) with extensive proliferative vitreoretinopathy (PVR) (closed funnel configuration) in children and young adults

#### **Methods:**

Eight eyes of 8 children and young adults with closed funnel RD were included in this retrospective case series. A similar surgical technique was followed in all cases. The technique consisted of lensectomy, core vitrectomy, epiretinal membrane removal, 360 degrees retinectomy, subretinal membrane removal, perfluro-carbon liquid injection, internal limiting membrane removal, 360 degrees laser barrage and silicon oil injection.

#### **Results:**

Analyzing the data showed, seven of the patients were males, 1 was female. Mean age was 11 years (range 3-23). Causes of RD were traumatic (n:4) and high myopia (n:3). Preoperative best corrected visual acuity (BCVA) ranged from light perception (LP) to hand motion (HM) vision. Postoperative BCVA ranged from counting fingers at 50 cm to 0.2.

Three patients experienced 1 re-detachment which was repaired. All patients ended up with flat retinae after at least 6 months of follow up.

#### **Conclusions:**

The proposed surgical technique for closed funnel RD is reproducible and effective. We recommend this attempt for repair of severe complicated forms of RD in order to achieve retinal reattachment and to gain at least ambulatory vision for fear of the other eye suffering the same fate.

