POSTRAUMATIC SUPRACHOROIDAL HAEMORRHAGES AFTER BLUNT TRAUMA IN PREVIOUS PK. EARLY “POLE TO POLE” APPROACH: OVERCOMING A TABOO

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PURPOSE: After a severe blunt trauma in previous PK, the rupture of the corneal suture cause the expulsion of the ocular content. The case shows a new strategy in order to obtain the best result with a early approach (after 6-7 days) after the trauma and in the fewer number of surgeries, thanks to the “pole to pole” strategy. METHODS: The choroidal serum-haemorrhagic detachment is caused by the acute hypotonia, due to an immediate and large opening of the cornea. The choroidal detachment, after a closed trauma in previous PK has a higher rate of exudative and haemorrhagic detachment. That could bring to an early drainage of the SCH with more success also in short time. There was retinal detachment, corneal opacity and iris incarceration. The best way is open and change the corneal opacity using an open sky strategy. RESULTS: After the opening of the eye, removing the cornea and open sky surgery of the vitreous traction on the injury, it’s possible to remove incarcerated iris with the vitreous and cleaning the anterior part of the vitreous. Subsequently the vitrectomy is completed thanks to TKP, and a retropupillary IOL implant open sky is made. The final tamponade is made with heavy silicone, which offers various advantages, among them major compliance for the patient who can be flat on his back, and reduce the risk of secondary glaucoma. CONCLUSION: The case shows the “pole to pole” surgery treating in one-step all the damaged structures. Moreover overcoming the taboo of opening early the traumatized eye.