

TRANSCONJUNCTIVAL SELF SEALING 20G VITRECTOMY

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**TRANSCONJUNCTIVAL SELF SEALING 20G
VITRECTOMY**

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Purpose: To report surgical technique and outcome of sutureless 20G vitrectomy. *Method:* Interventional study of surgical management in vitrectomy. Sclerotomy done after severe conjunctival diathermy, with long beveled tunnel. No additional surgical instruments used. *Result:* There were 21 patients (23 eyes) with age 34-82 years. Self sealing achieved in 19 eyes. Three cases with non-self sealing port due to repeated insertion of surgical instruments in PDR, 1 port in each failed cases. Fluid tamponade used in 3 cases, air tamponade in 5 cases, SF6 20% in 14 case and one cases with silicone oil. No sign of hipotony seen after surgery on operating table and postoperatively. One week after surgery, conjunctiva wound healing appears without inflammation. Follow up varies 4-8 weeks. *Conclusion:* Improvement in surgical outcome achieved without any additional instrument with self sealing 20g vitrectomy.

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