

## **20-gauge Transconjunctival Pars Plana Vitrectomy**

Rodrigo Jorge, MD, PhD (Ribeirão Preto, Brazil), André V. Gomes, MD (São Paulo, Brazil), Rubens C. Siqueira, MD, PhD (São José Do Rio Preto, Brazil), Rogerio A. Costa, MD, PhD (Araraquara, Brazil), Ingrid U. Scott, MD, MPH (Hershey, PA)

### **SYNOPSIS**

The video shows a transconjunctival technique for pars plana vitrectomy (PPV) using 20-gauge instruments. Sclerotomies are performed directly through the conjunctiva, Tenon's capsule, and sclera with a 19-gauge microvitrectomy blade. A sutureless 20-gauge infusion cannula is then inserted and PPV is performed using 20-gauge instruments. Each sclerotomy (and its corresponding conjunctival incision) is closed with a single 7.0 vicryl stitch. This technique is a reasonable alternative surgical approach to minimize surgical trauma of tissues (e.g. conjunctiva) and hasten postoperative recovery.