Rhegmatogenous Retinal Detachment Repair: A Meta-Analysis of 7212 Eyes

Prem A. H. Nichani MD MSc,1 Arjan S. Dhoot MD(C),2 Marko M. Popovic MD MPH(C),3 Arshia Eshtiaghi MD(C),2 Andrew Mihalache BMS(C),3 Aman P. Sayal MPH MD(C),2

1Dept. of Ophthalmology & Vision Sciences, University of Toronto (UofT), Toronto, ON, Canada; 2Tory Eye Institute, UofT, Toronto, ON, Canada; 3Faculty of Science, Western University, London, ON, Canada; 4Rajeev H. Muni MD MSc;

Outcomes:

Inclusion:

Search:

1. Comparative English studies; (2) RRD eyes; (3) evidence-based consensus on SB vs. PPV+SB

Literature Gap: A paucity of data comparing SB & PPV+SB with regard to visual acuity, rates of reattachment, and complications, especially in contrast to SB vs. PPV and PPV vs. SB+SB

Methods

Baseline Summary Statistics

- 7212 baseline eyes (3912 SB eyes, 3300 SB+PPV)
- 50.8 ± 7.2 mean age 63.6% male 65.0% phakic 56.8% macular pucker 24.9% inferior breaks
- 8.5% PVR (any grade) 20/145 Snelten mean BCVA 6.2 months mean follow-up

Results

Scleral buckling alone or in combination with Pars Plana Vitrectomy for Rhegmatogenous Retinal Detachment Repair: A Meta-Analysis of 7212 Eyes

P=0.31

For a list of references and author disclosures, please visit bit.ly/SBPPVDOVS2022.