## **World Ophthalmology Conference**

November 24-25, 2016 Melbourne, Australia

## Management of late-stage neovascular glaucoma

Melissa Marselina and Andika Prahasta Gandasubrata Padjadjaran University Cicendo National Eye Hospital, Indonesia

**Introduction:** Neovascular glaucoma (NVG) is a common, severe type of secondary glaucoma caused by retinal ischemia or ocular inflammation. The treatment of NVG varies depending on the stage of the disease. Intravitreal bevacizumab (IVB) can be considered in NVG.

Purpose: To report one case of late-stage NVG and its management.

**Case report:** A 31-year-old woman has been consulted from vitreoretinal subdivision to glaucoma subdivision with chief complain of pain in the left eye (LE) since 1 week before admission. The patient had been diagnosed with bilateral proliferative diabetic retinopathy (PDR), attached retina of the right eye (RE), tractional retinal detachment of the LE, and uncontrolled diabetes mellitus with history of five retinal surgeries of the RE and series of bilateral panretinal photocoagulation (PRP). During one year follow-up at Vitreoretinal Clinic, there were no abnormalities found in the anterior segment of both eyes but a progressive decrease of vision was found. Upon first examination at Glaucoma Clinic, the visual acuity was hand movement bilaterally with IOP of 18 mmHg (RE) and 30 mmHg (LE). Ciliary injection, microcystic edema, shallow AC, mid-dilated pupil, posterior synechiae, and neovascularization of the iris (NVI) on the LE were found. Patient was diagnosed with additional late-stage NVG and was successfully managed by laser trans-scleral cyclophotocoagulation (TSCPC) over IVB.

**Conclusion:** Intravitreal bevacizumab is effectively stabilized NVI activity and controlled IOP in patients with NVI alone and early-stage NVG without angle closure but cannot control IOP in advanced NVG. Laser TSCPC is effective in lowering IOP in NVG.

## Biography

Melissa Marselina has completed her Medical Doctor degree from Padjadjaran University. She is now in her second year of Ophthalmology Residency at Cicendo National Eye Hospital. She has published her first e-poster internationally at 7<sup>th</sup> International Conference on Ocular Infections 2015 in Barcelona and was once a Study Coordinator for research program at Vitreoretina sub-division, Cicendo National Eye Hospital.

syumarti@yahoo.com

Notes: