

DRI OCT Triton, Swept Source OCT with multi modal imaging

BRVO

Physician: Dr. Carl Glittenberg, Karl Landsteiner Institute for Retinal Research and Imaging, Vienna, Austria

Patient History:

Gender: Male

Age: 64

Diagnosis: Branch retinal vein occlusion on the right eye

Treatment: Multiple intravitreal injections of anti-VEGF and laser treatment on the right eye.

Examination Techniques and Results:

A high definition swept source OCT B-scan, a full color fundus photograph, and a swept source OCT angiography (SS-OCT Angio) were performed. The examinations were collected on a Topcon DRI OCT Triton™ Plus swept source OCT system. The fundus photograph shows vascular remodeling. The B-scan shows residual cystoid macular edema. The SS-OCT Angio shows marked retinal ischaemia inferior to the macula as well as vascular remodeling. OCT Angio images were post processed by Dr. Carl Glittenberg.

Clinical Relevance:

The ability to have a quick and non invasive method of screening patients for retinal ischaemia after retinal vein occlusion will make the treatment of these patients significantly more efficient.

