

DRI OCT Triton, Swept Source OCT with multi modal imaging

Myopic CNV

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

Patient History:

Gender: Female

Age: 72

Diagnosis: Myopic CNV on the left eye

Treatment: 5 intravitreal injections of anti-VEGF on the left eye

Examination Techniques and Results:

A high definition swept source OCT B-scan, a full color fundus photograph, a fluorescein angiography, 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 a highly myopic fundus with peripapillary atrophy and an older myopic neovascular lesion with a fresh component on the inferior margin. The B-scan shows a myopic fundus, retinoschisis, and intra-retinal fluid over the fresh part of the lesion. The fluorescein angiography (top right image) shows leakage in the fresh inferior component. The SS-OCT Angio (middle and bottom right images) clearly shows vascular proliferation in the area of leakage. OCT Angio images were post processed by Dr. Carl Glittenberg.

Clinical Relevance:

The ability to perform SS-OCT Angio on highly myopic patients is of great importance.

