

## Abstract 56

### **SWEPT SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY IN VALSALVA-LIKE RETINOPATHY: A CASE REPORT**

Poster

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#### **Purpose:**

To describe Swept source optical coherence tomography (SS-OCT) and SS-OCT angiography (SS-OCT A) characteristics in a case of Valsalva-like retinopathy

#### **Methods:**

A single case report documented with multimodal imaging

#### **Results:**

A 15-year-old female with a history of metastatic follicular lymphoma, presented for a sudden visual loss in her right eye (OD). Fundus examination of OD revealed pre-retinal hemorrhage. SS-OCT showed a sub-internal limiting membrane dome-shaped elevated hyperreflectivity and flow voids in the choriocapillaris with perilesional hypervascularity in the density maps. Patient systemic evaluation revealed the presence of paraneoplastic dermatomyositis with swallowing problems and gastric tube rendering impossible the Valsalva maneuver. Complete blood count revealed severe anemia and thrombocytopenia. The diagnosis of Valsalva-like hemorrhage was made. One-month follow-up was marked by clinical improvement. SS-OCT demonstrated subtotal regression of the initial patterns.

#### **Conclusions:**

SS-OCT A can provide useful findings to understand the real physiopathology and monitor the hemorrhage. Larger studies are required to codify the exact vascular retinal and choroidal microstructural modifications during Valsalva-like retinopathy.