Seeing beyond

Enriching Diabetic Patients with Fast and Detailed Visualization for Better Compliance

Images and diagnoses courtesy of Sidney Schechet, MD of Elman Retina Group, Baltimore, MD

Background

A 55 year old Caucasian male with uncontrolled type 2 diabetes and history of PCIOL, PDR and DME OU presents for follow up examination for diabetic retinopathy management. Diabetic macular edema, with a history of focal laser OU, is currently stable and treated with anti-vegf injections every 4-6 weeks. The BCVA was 20/30 OU, however, to the patient's dismay.

In-depth Analysis

The CIRRUS® 6000, pairs structural and microvascular images for detailed examination to unmask the cause of reduced BCVA in this patient. A five-line raster scan (Figure 1) indicates trace cystic macular edema and focal laser scarring.

The AngioPlex 6X6mm OCTA scans show an enlarged, irregular FAZ as well as profound capillary dropout, more prominent in the deep plexus (Figure 3) than the superficial OU (Figure 2).

Non-invasive, high-definition scans from the high-performance OCT, enable fast, expanded fields of view for in-depth analysis while instructing patients on their ocular health. More time is free for this busy practice, to facilitate patient education with high-speed image acquisition at 100,000 scans per second. The OCTA images allowed this patient to better comprehend the macular ischemia and its damaging effects on his visual acuity.

Do you have an interesting case to share?

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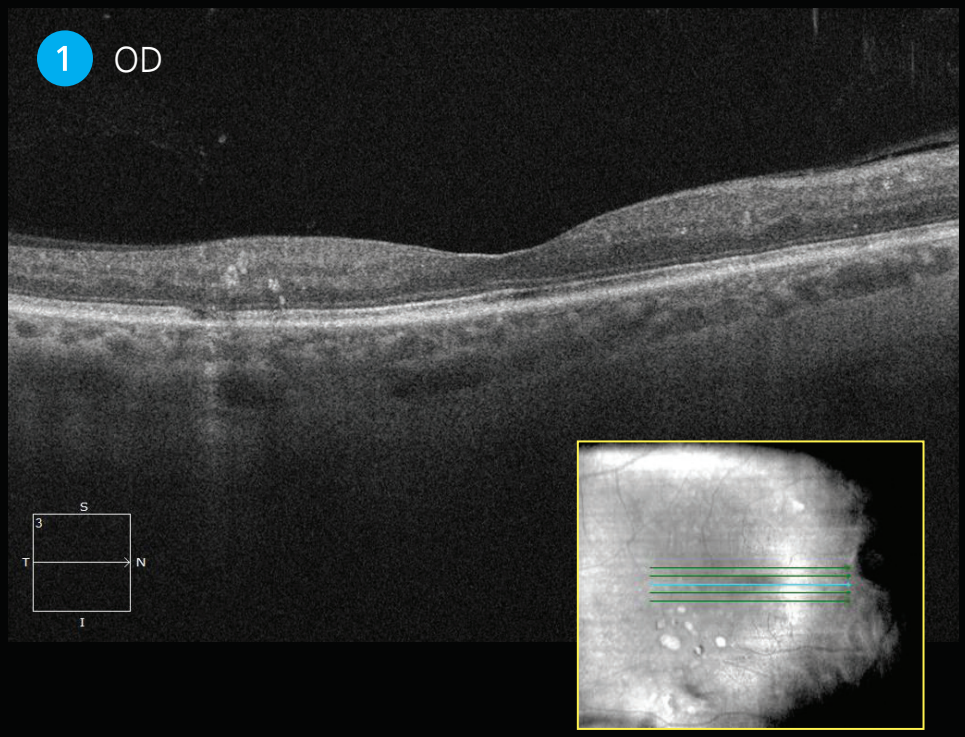
The diagnoses provided by the healthcare professionals reflect only their personal opinions and experiences and do not necessarily reflect the opinions of any institution with whom they are affiliated. The healthcare professionals credited in this case study have a contractual relationship with Carl Zeiss Meditec, Inc., and have received financial compensation.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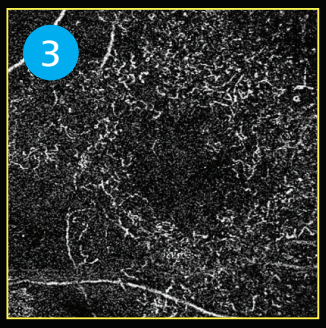
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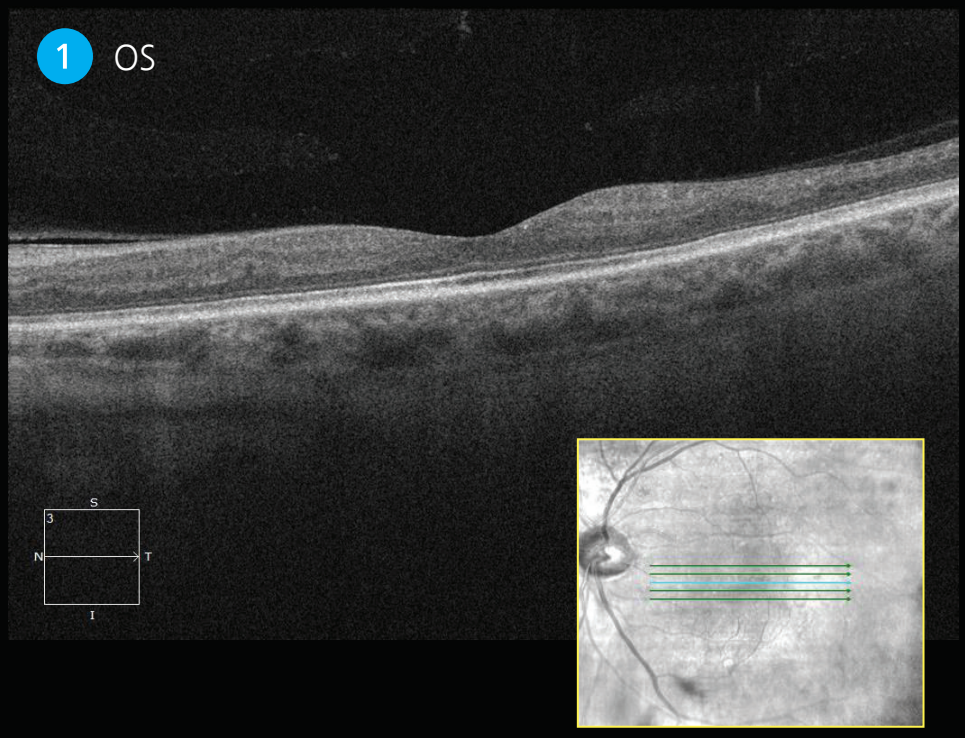
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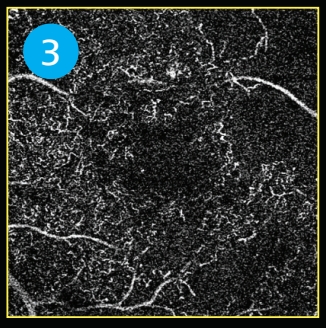
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