

# Image of the Month

November/December 2018

## BACKGROUND

This is a patient with Chronic Diabetic Macular Edema. The patient received several anti VEGF injections; the need of reinjection was a problem. The patient was treated by a suprachoroidal ILUVIEN® implant. The implant is a slow release device that releases fluocinolone acetonide at an initial rate of 0.25 µg/day (average rate 0.2 µg/day) and lasts 36 months. The implant is designed for intravitreal injection. We implanted the device in the suprachoroidal space in part of a trial to see if this would have an effect on controlling the macular edema, and at the same time minimizing or preventing the long term effect of steroids on the eye seen from intravitreal exposure as Cataract and Glaucoma. The trial was based on our previous studies that showed the therapeutic effect of suprachoroidal Triamcinolone efficacy.

The implant was placed in the suprachoroidal space using a sclerotomy created 4mm behind the limbus. The implant was placed in a special designed catheter to inject it in the suprachoroidal space below the disk with the releasable end towards the macula. Color photography as well as OCT show and confirm the suprachoroidal placement of the implant.

—Ehab El Rayes, MD, PhD



## Diagnosis

Chronic Diabetic Macular Edema

## Captured with

Topcon DRI OCT Triton

## Images Courtesy of

Ehab El Rayes, MD, PhD  
Professor and Chair  
Department of Ophthalmology  
Institute of Ophthalmology  
Vitreoretinal Consultant  
The Retina Eye Center  
Cairo, Egypt

## DRI OCT Triton Images

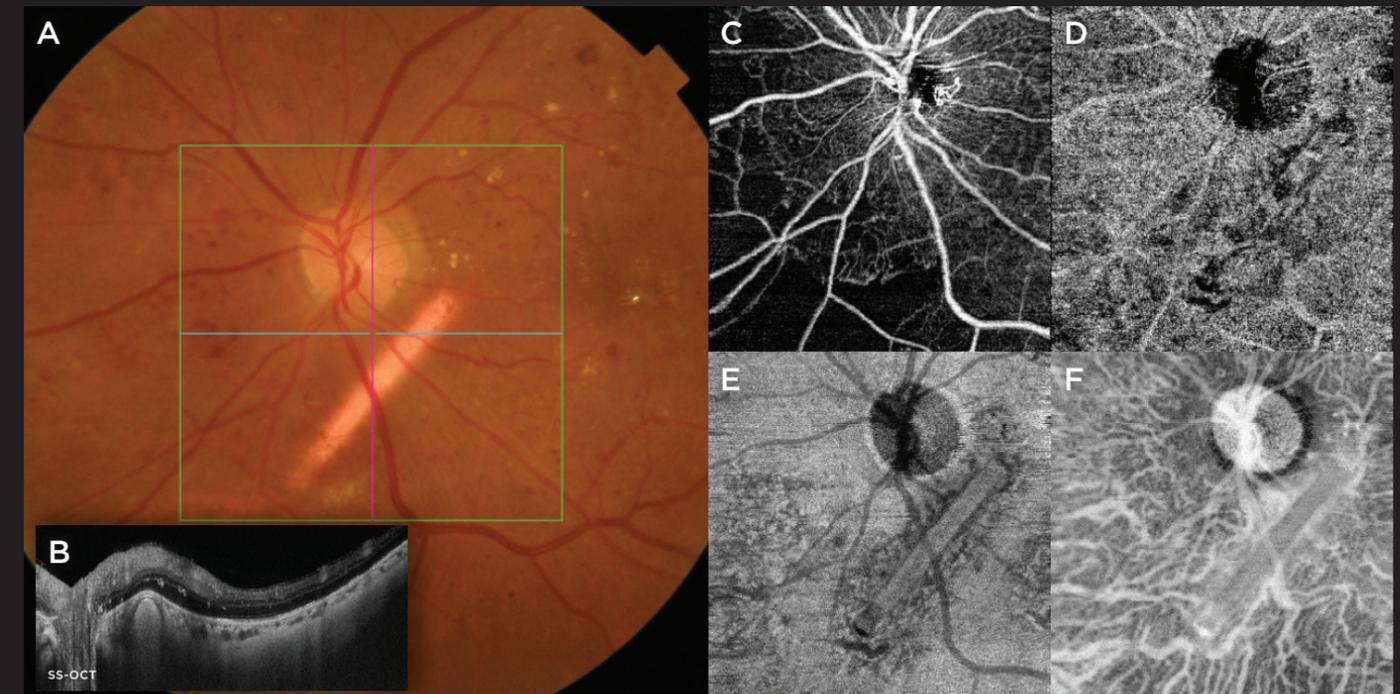
- A. Color Fundus Image
- B. Swept Source OCT B-scan Image
- C-F. OCT Angiography Images<sup>1</sup>

1. OCT Angiography is not available for sale in the U.S.

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# A Suprachoroidal ILUVIEN® Implant for Treatment of Chronic Diabetic Macular Edema



Courtesy of Ehab El Rayes, MD, PhD, Professor and Chair, Department of Ophthalmology, Institute of Ophthalmology, Vitreoretinal Consultant, The Retina Eye Center, Cairo, Egypt

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