



# Hiding in plain sight

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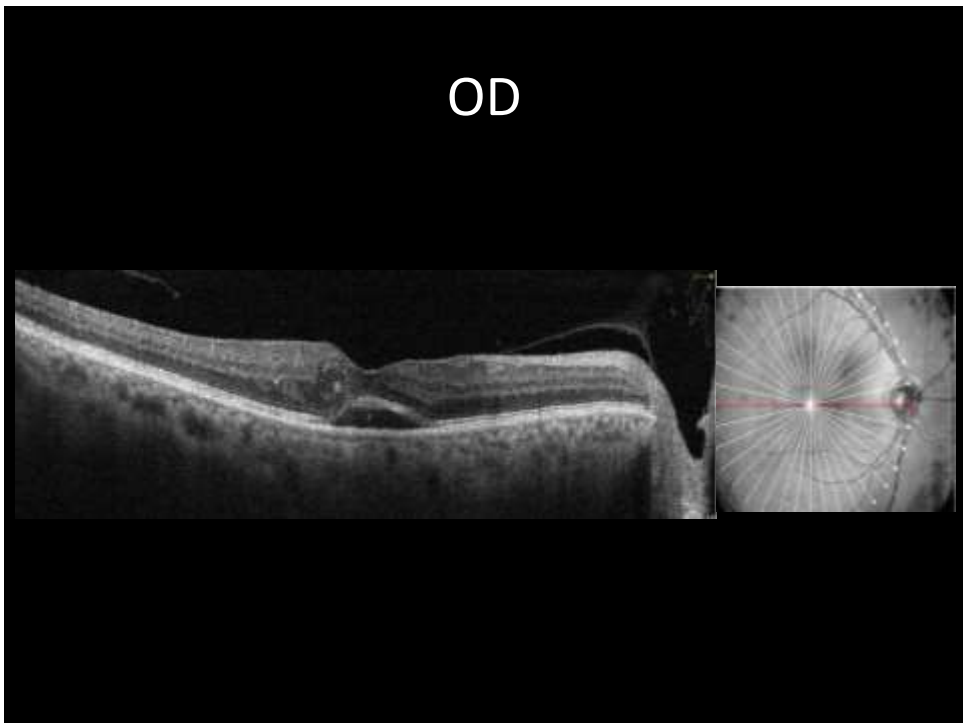
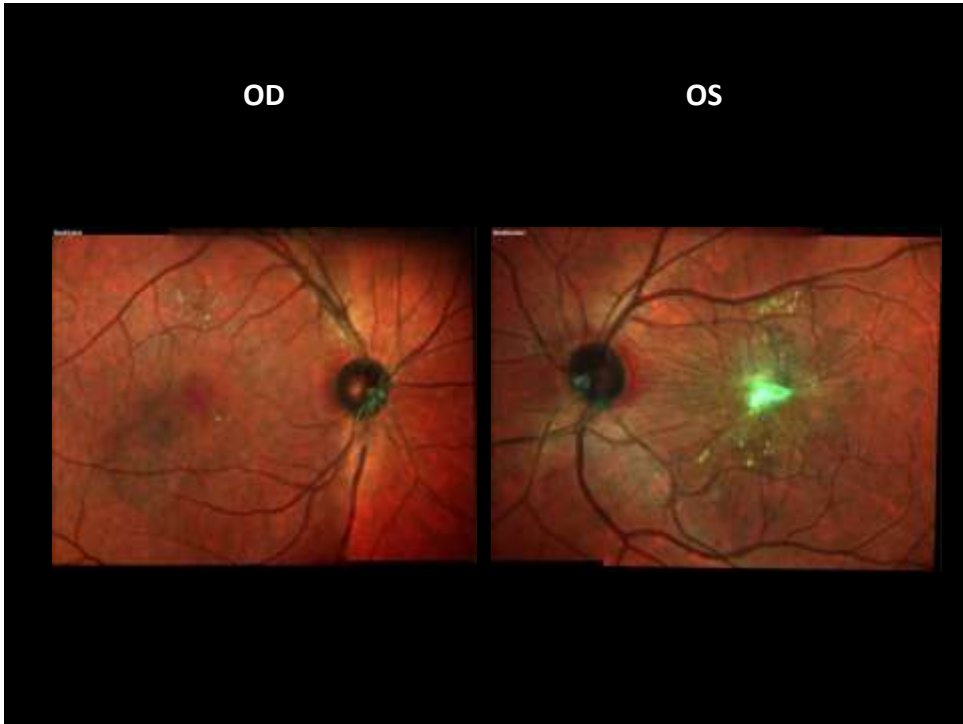
## Our patient

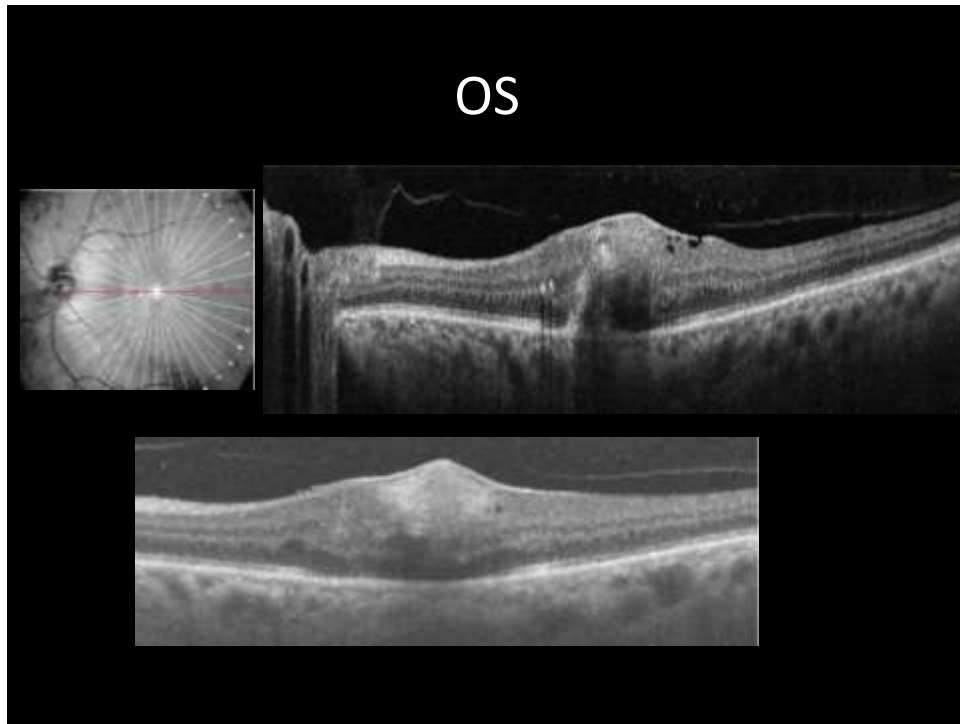
- 63 year old mechanical engineer.
- 1 month H/O of blurred vision OD>OS. (second opinion)
- DM type 2 x 13 years. (uncontrolled, HBA1c = 8.9)
- Not a smoker or a drinker.
- No H/O of recreational meds.
- No other significant medical or surgical H/O.

## Examination

	OD	OS
BCVA	0.7	0.05
Pupils	Brisk – No APD	Brisk – No APD
IOP	12	14
Field	Full	Full
EOM	Full	Full
Ant. Seg.	NS	NS







## What do we have?

- OD
  - Mild NPDR
  - Center-involving DME with SRF.
- OS
  - Mild NPDR
  - Thick epimacular gliotic membrane.
  - Inner retinal hyperreflectivity and disorganization with underlying hyporeflective shadowing.
  - Localized RPE elevation/mound.

## Opinions

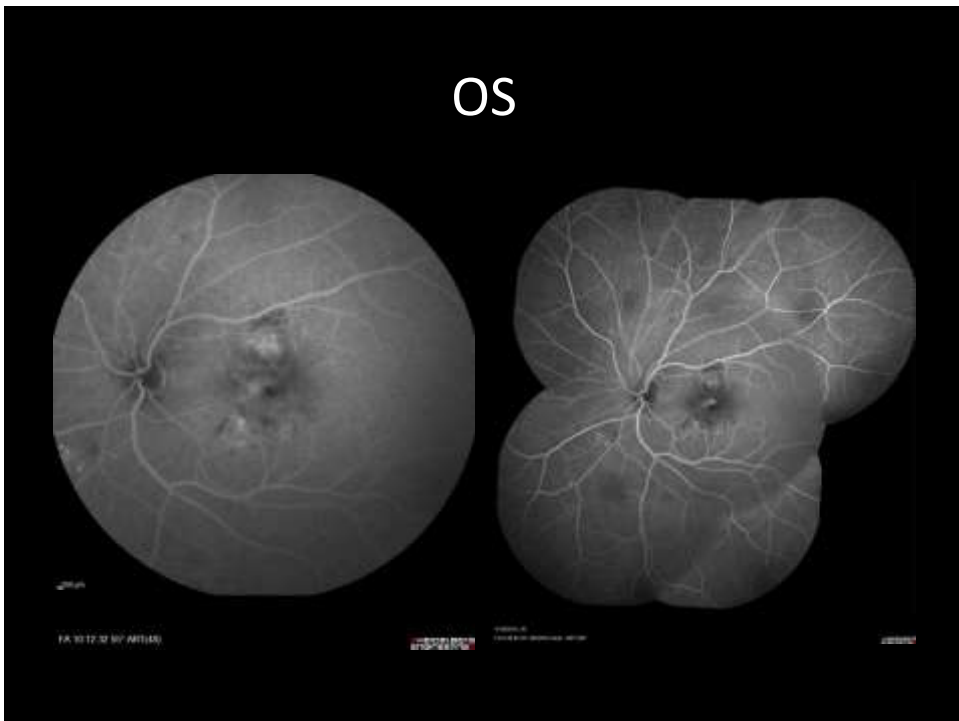
- Large foveal hard exudate.
- Large cotton wool spot.
- “PAMM”.
- Something else?

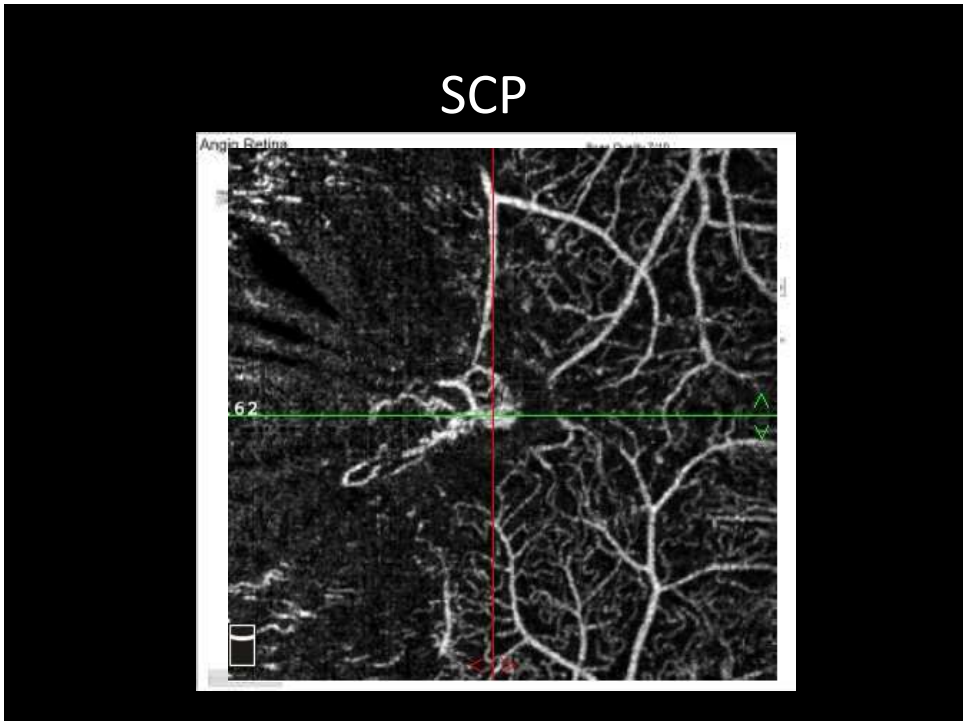
So what now?

OD



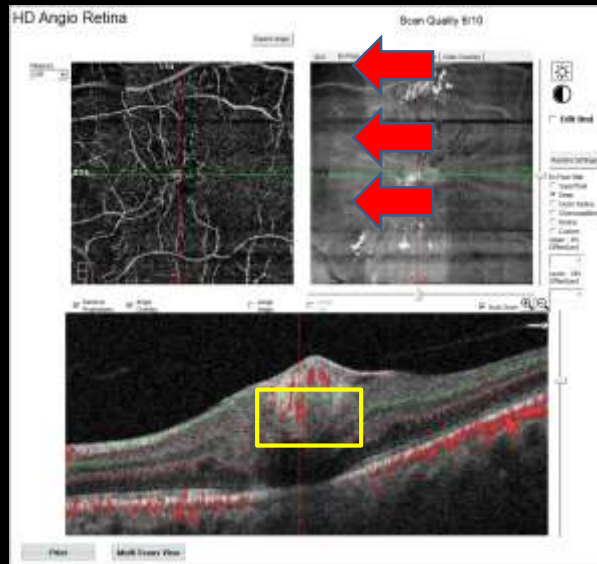
OS



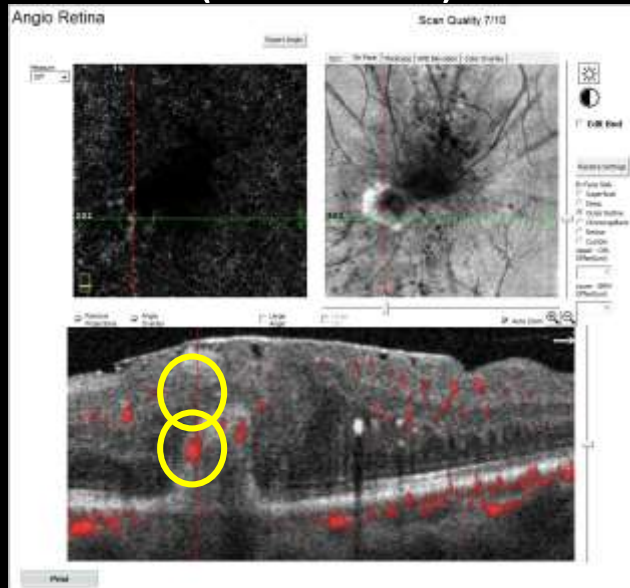




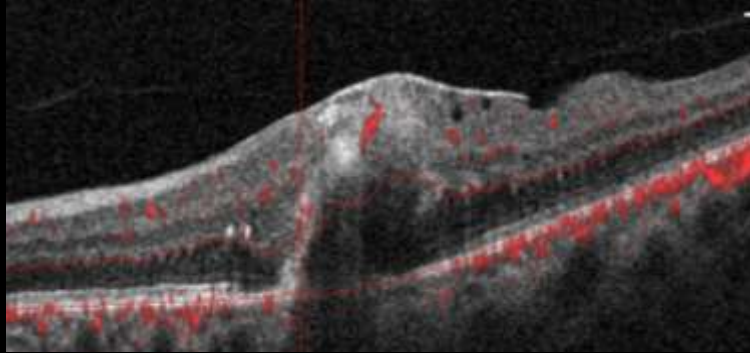
# DCP



# Outer (Avascular) retina



“Bridge”



Diagnosis

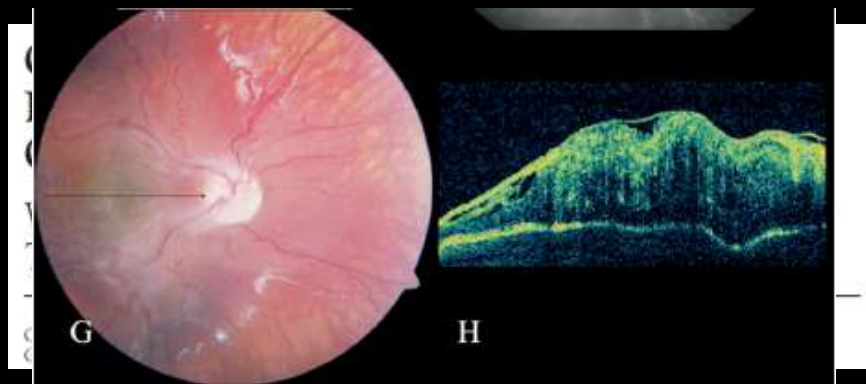
Combined hamartoma of the retina  
and retinal pigment epithelium  
(CHRRPE)  
with...

Let's take a walk..

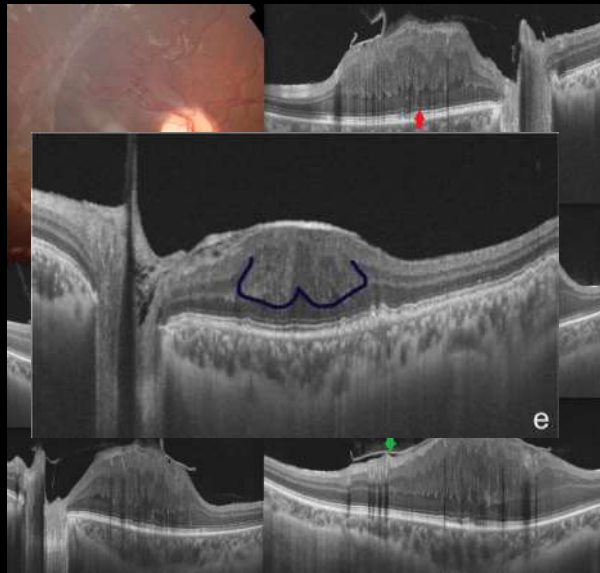




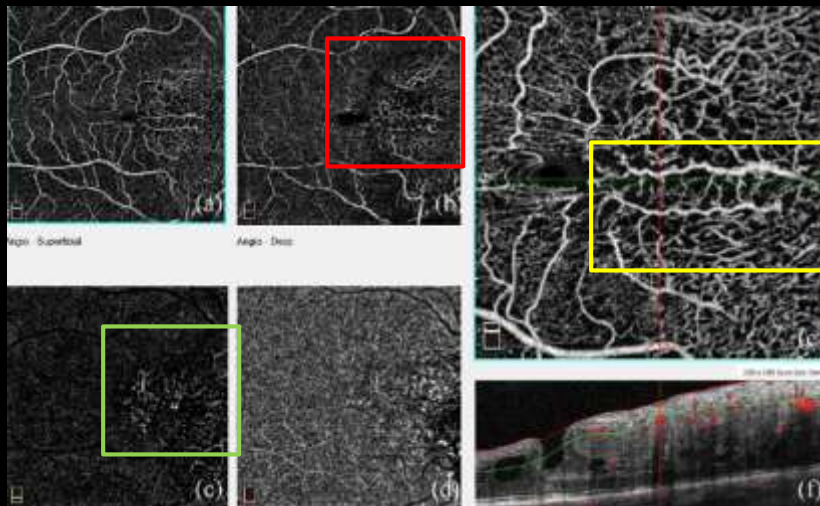
“An unusual hamartoma of the pigment epithelium and retina simulating choroidal melanoma and retinoblastoma.”, Trans Am Ophthalmol Soc. 1973; 71: 171–185



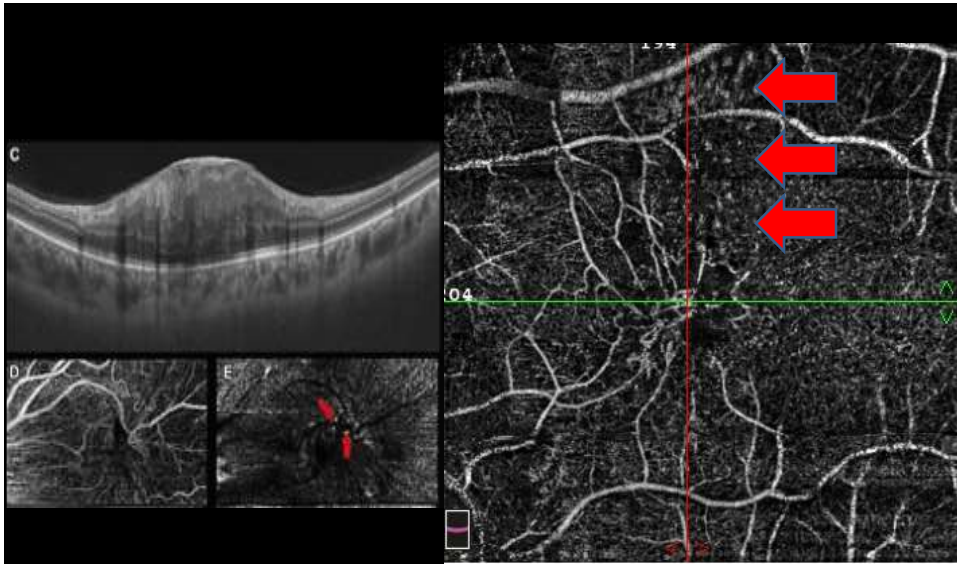
“Combined hamartoma of the retina and retinal pigment epithelium in 77 consecutive patients.”, Ophthalmology 2005



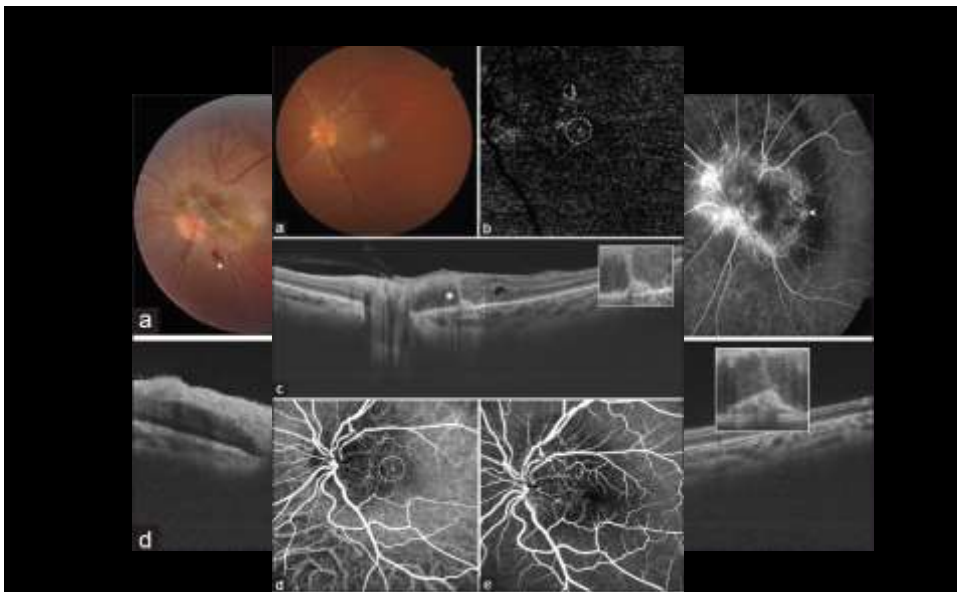
"Combined hamartoma of the retina and retinal pigment epithelium: an optical coherence tomography–based reappraisal." Chawla, Rohan, et al. *American journal of ophthalmology* 181 (2017): 88-96.



"Multimodal imaging evaluation of combined hamartoma of the retina and retinal pigment epithelium. Scupola et al., *European journal of ophthalmology*, 2019

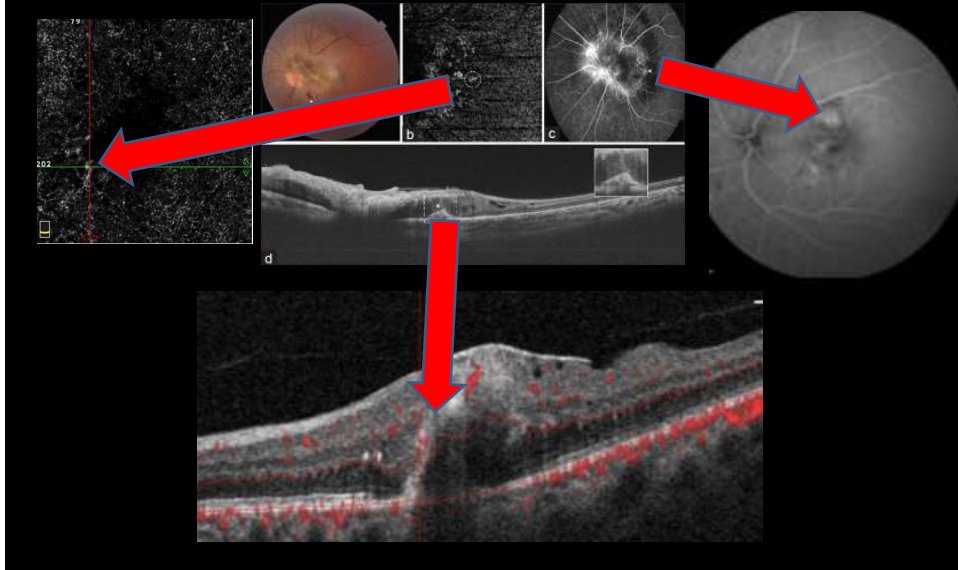


"Filigree vascular pattern in Combined Hamartoma of Retina and Retinal Pigment Epithelium on Optical Coherence Tomography Angiography." Gupta, Rajan, et al. *Ophthalmology Retina*, 2019.



"Choroidal neovascularization associated with combined hamartoma of retina and retinal pigment epithelium: Multimodal imaging.", Gupta et al, *Indian J Ophthalmol* 2018

Compared to our patient...



Combined hamartoma of the retina  
and retinal pigment epithelium  
(CHRRPE) with associated CNVM  
in a diabetic patient.

## Hiding in plain sight!



Thank you

- Dr. Dina Baddar.



