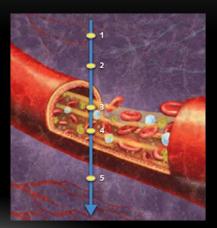


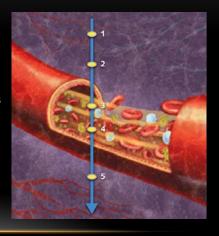
WHAT IS OCT ANGIOGRAPHY?

- Introduced commercially in 2015
- Newer generation OCT machines
 Non-invasive visualization of microvascular blood flow
- Infrared laser acquires sequential (250+)
 OCTs, and any change between these scans
 = movement
- Blood flow = Variation between OCT signals
 - Structural tissue NOT MOVING (1, 2, 5)
 - Blood MOVING (3, 4)



WHAT IS OCT ANGIOGRAPHY?

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 OCTs, and any change between these scans
 = movement
- 3-4 seconds per eye
- NO CONTRAST DYE (unlike FA and ICG)



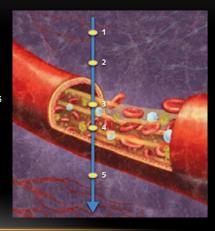
WHAT IS OCT ANGIOGRAPHY?

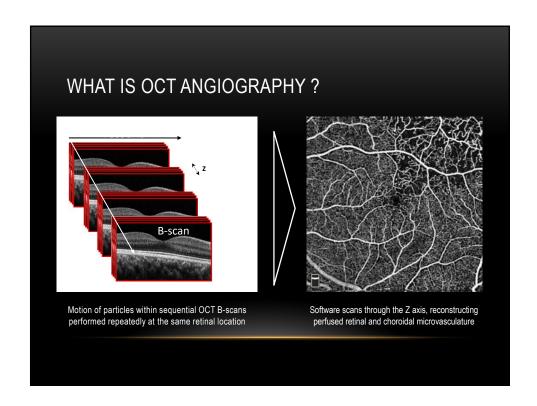
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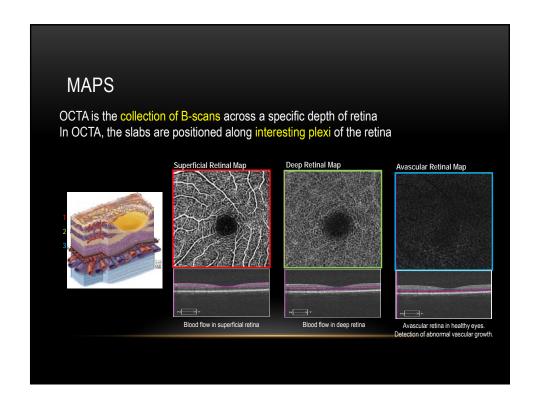
anatomical structure

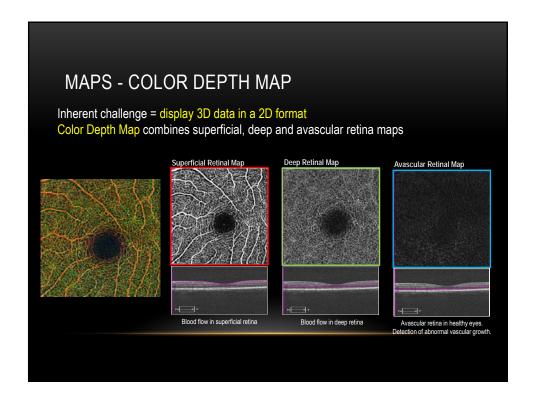
OCTA

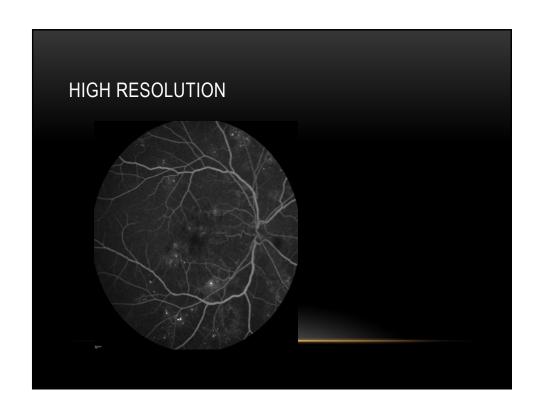
vascular structure

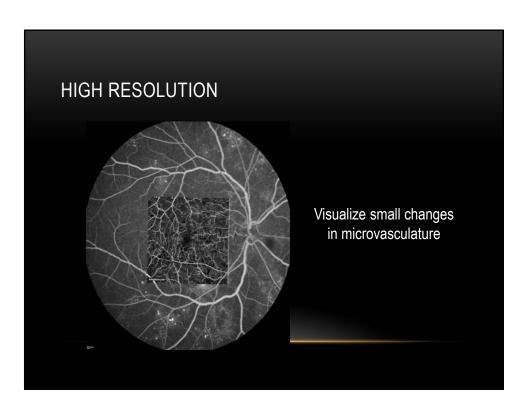




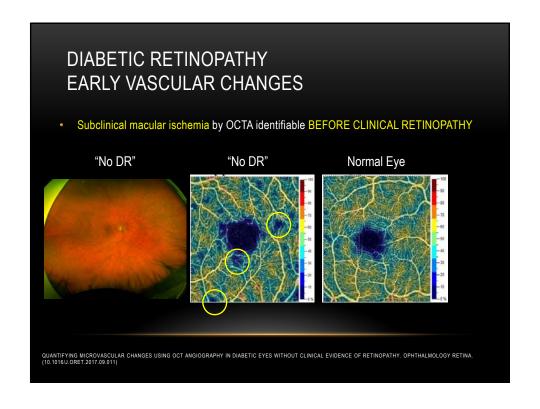


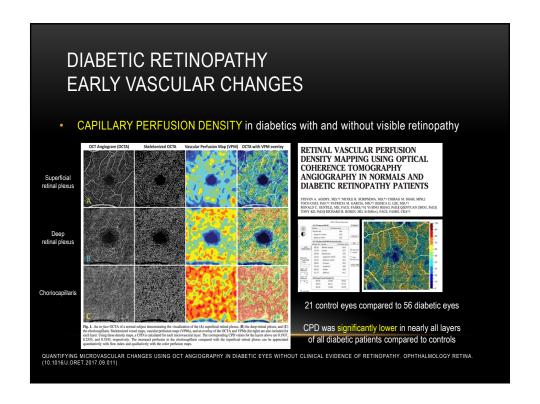


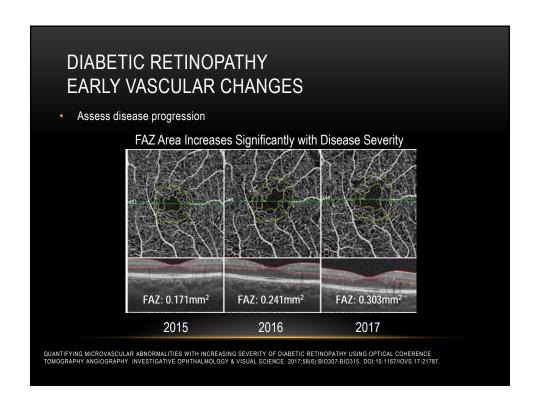


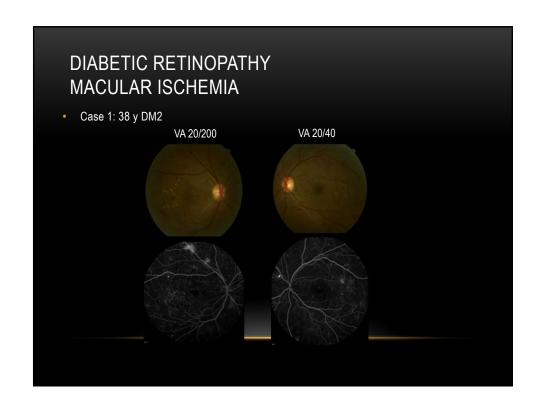


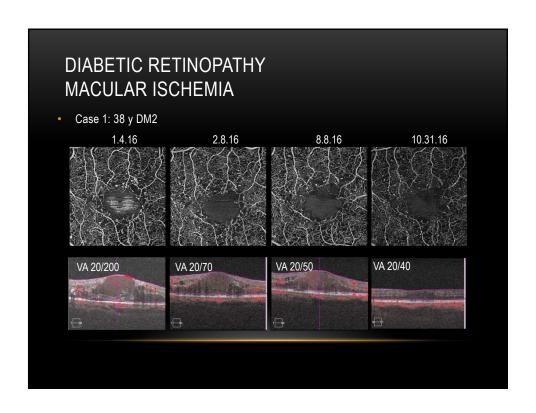
CLINICAL APPLICATIONS DR Macular telangiectasia ARMD Vascular abnormalities (CRVO, BRVO) Glaucoma "This year I resolve to embrace change."

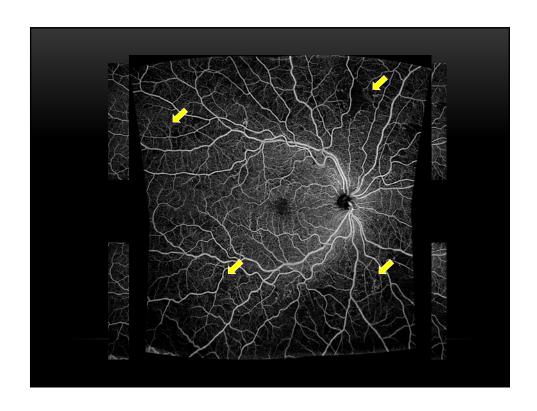


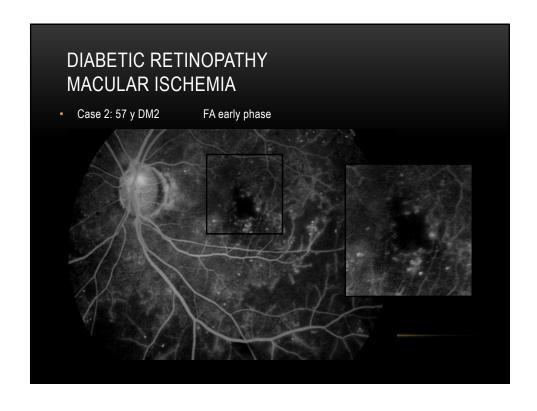


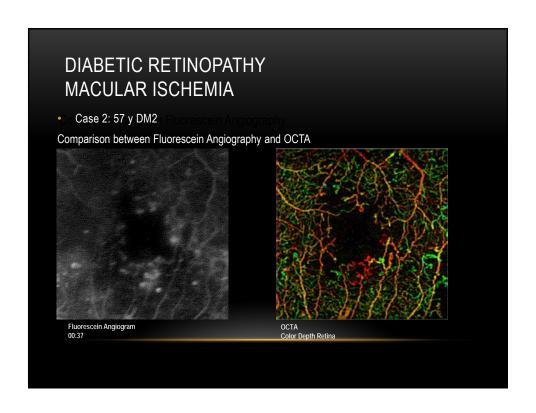


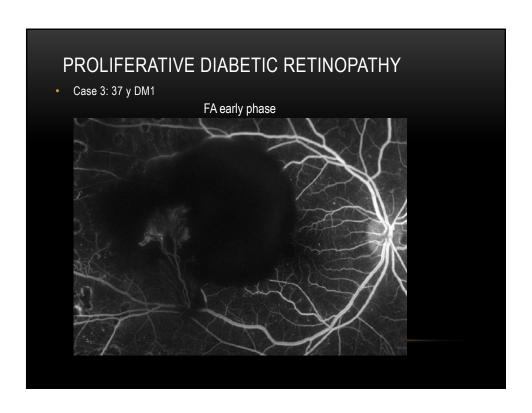


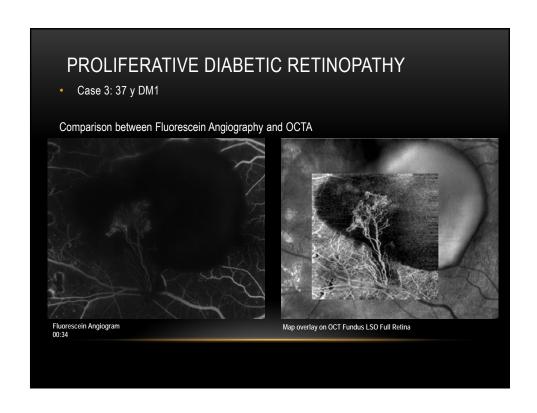


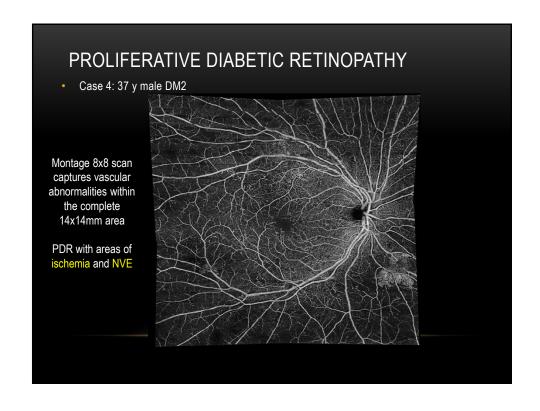


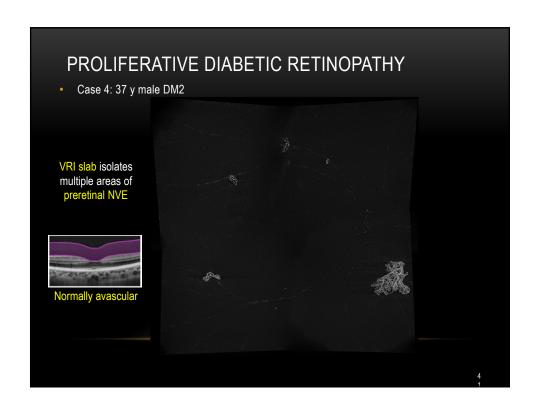


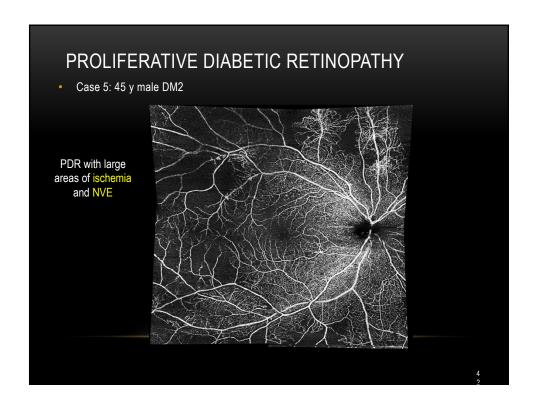


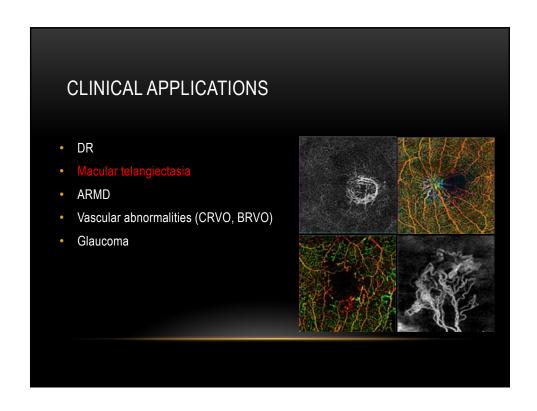


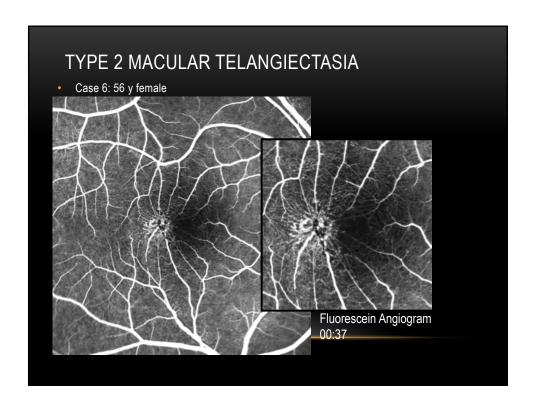


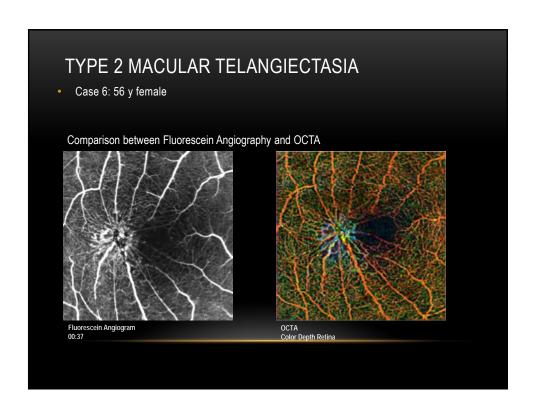


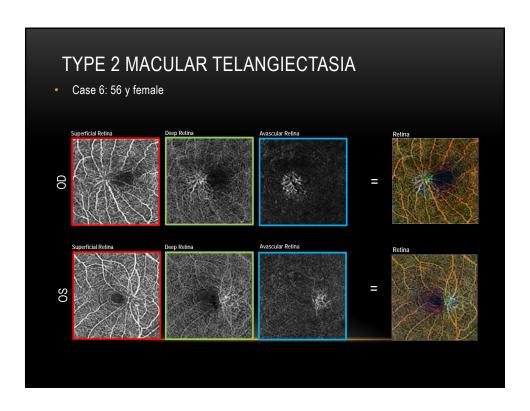


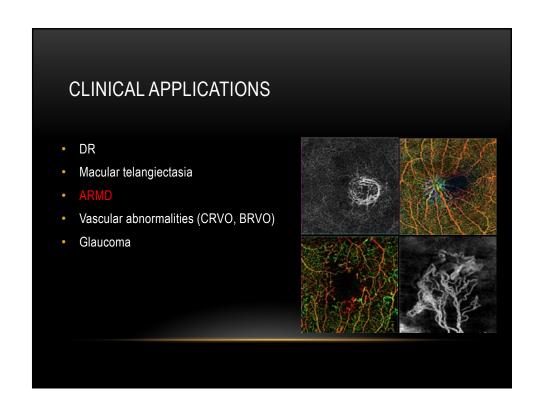


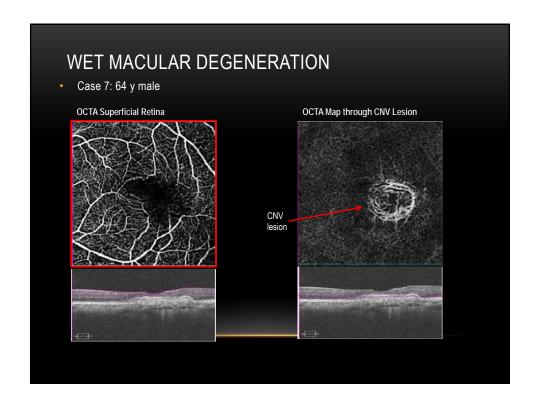


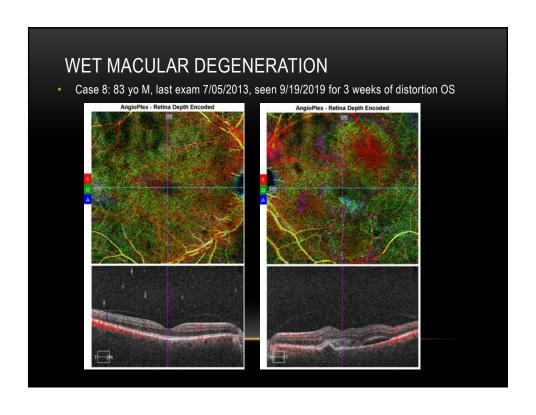


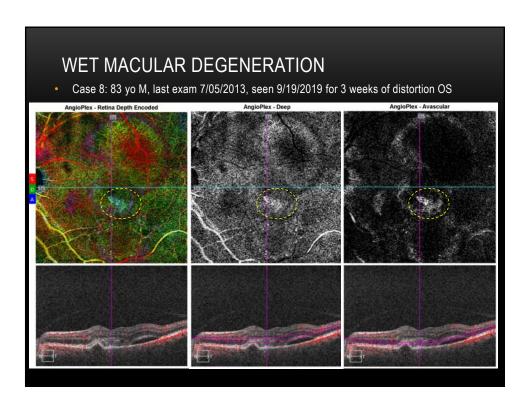


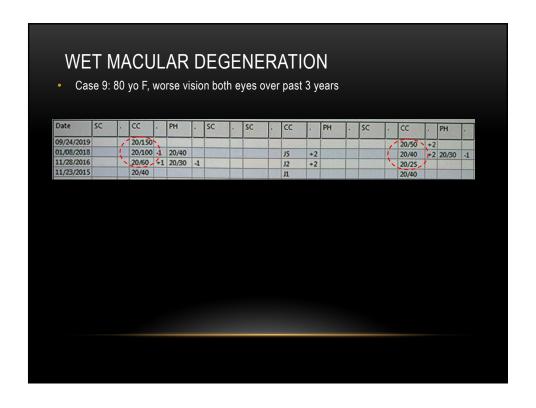


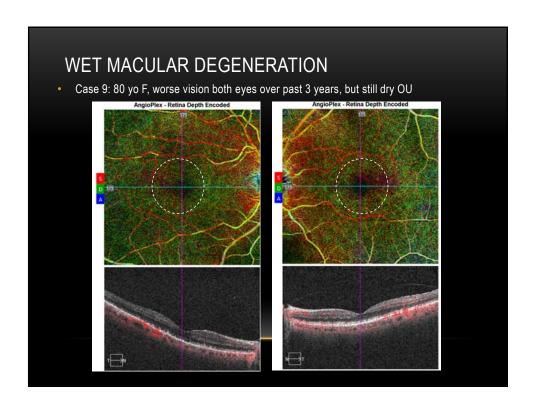


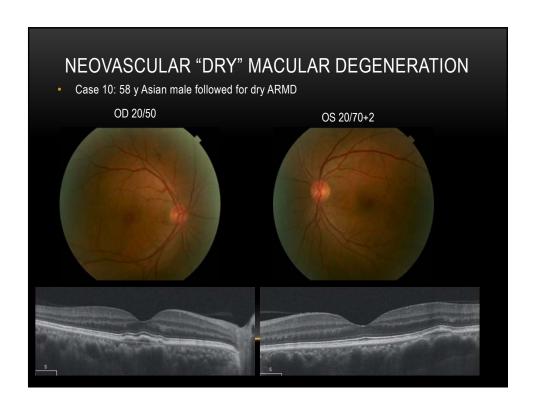


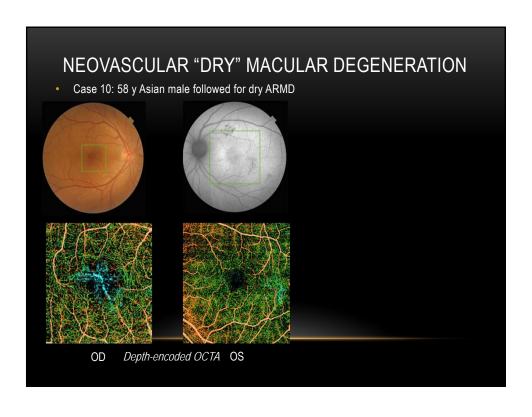


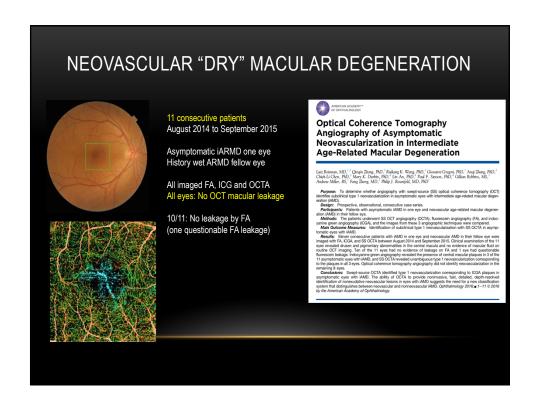


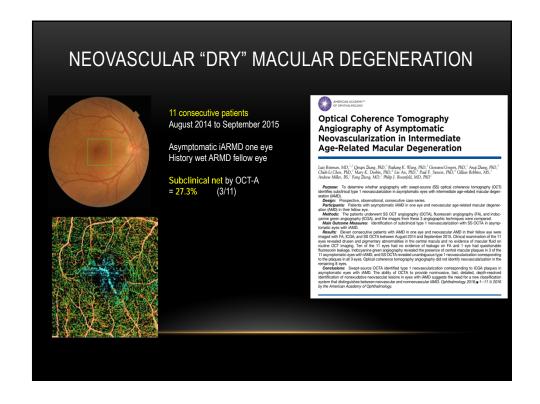


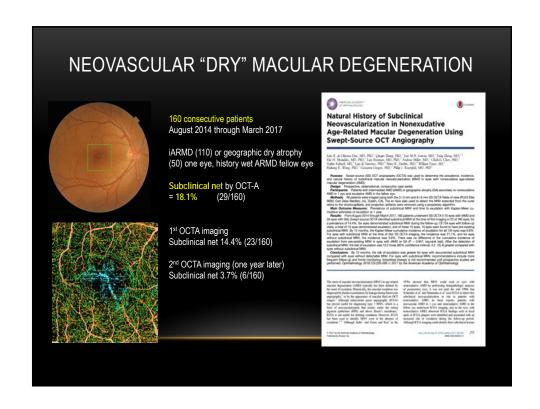


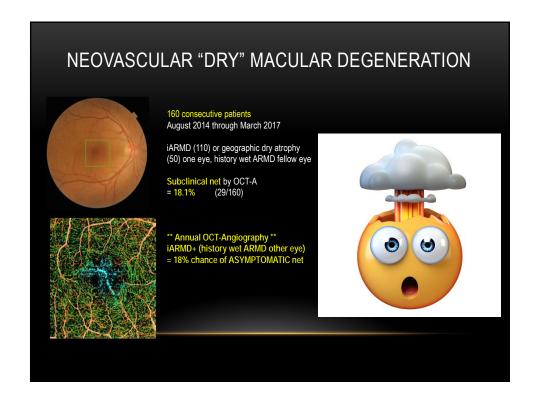


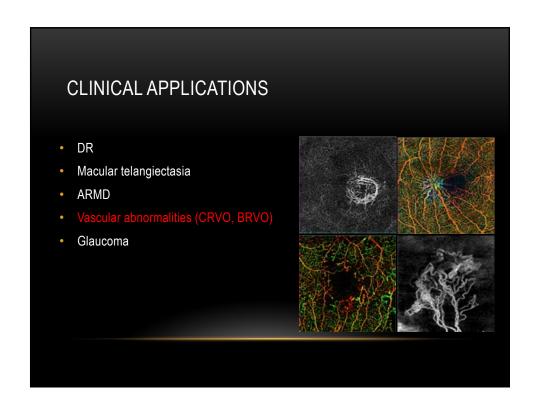


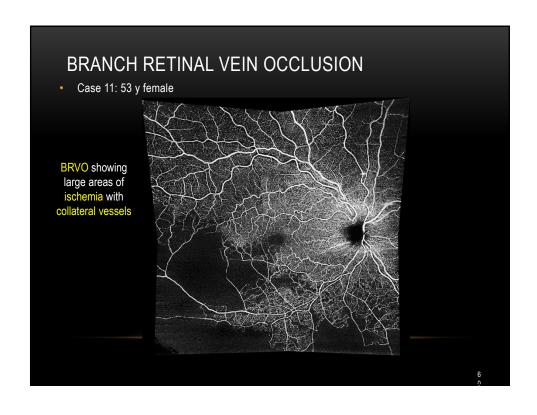


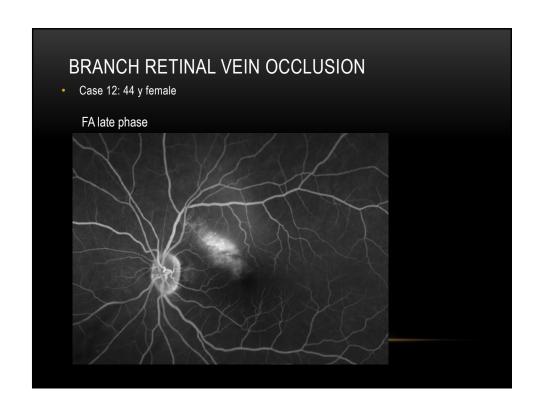


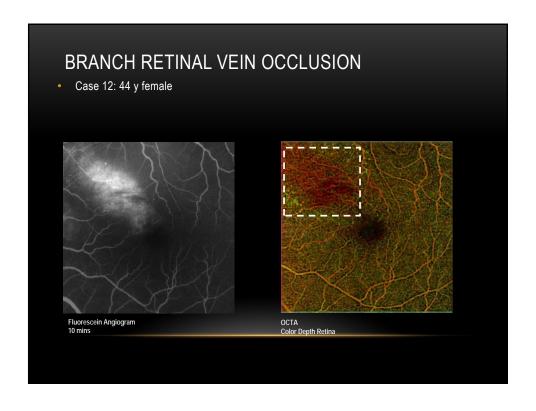


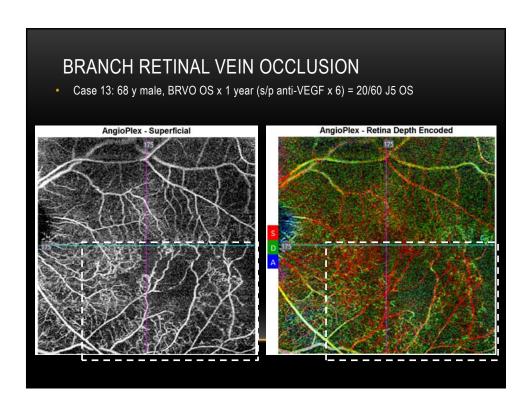


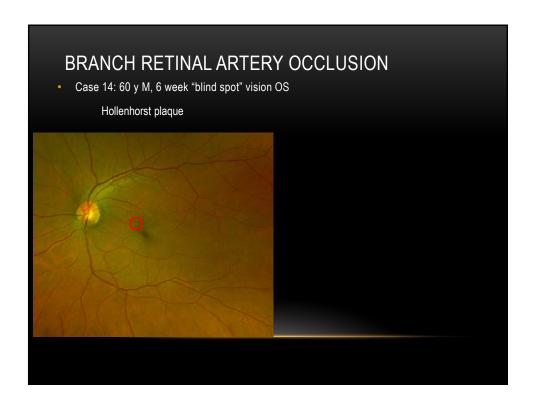


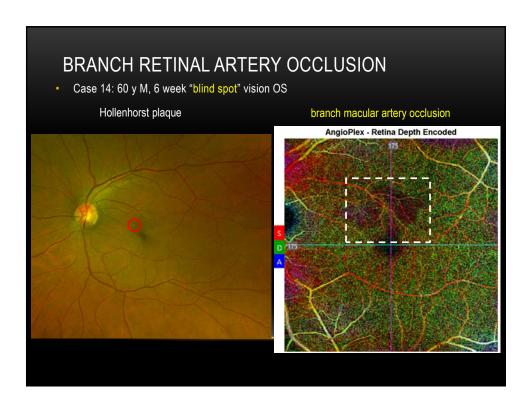


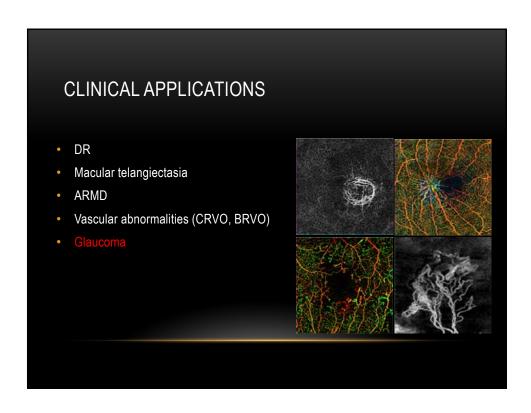


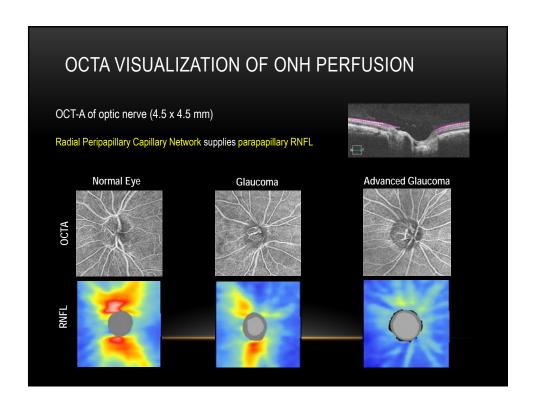


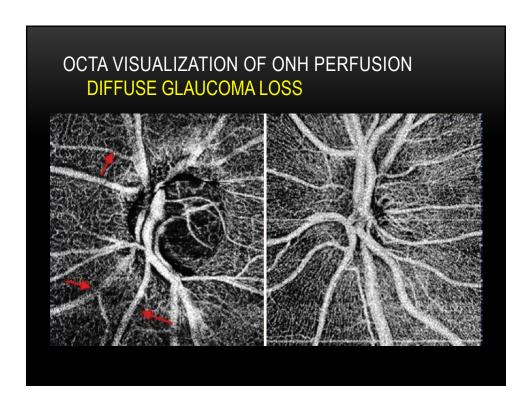


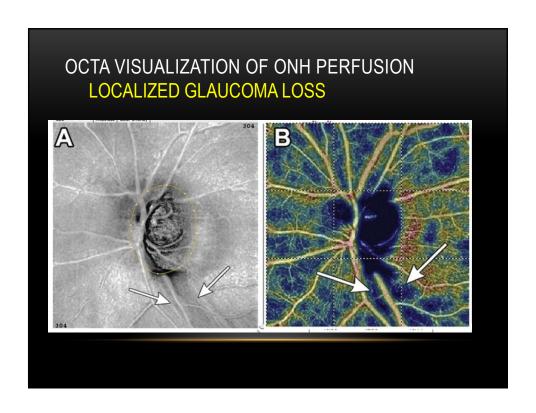


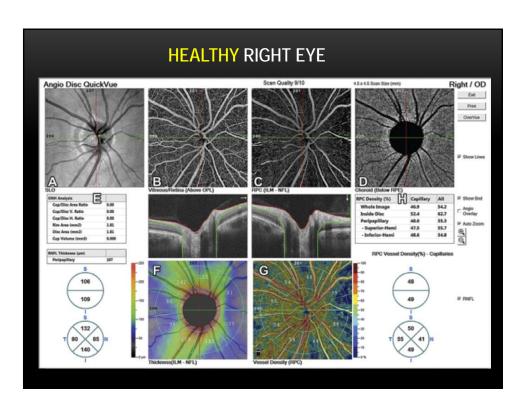


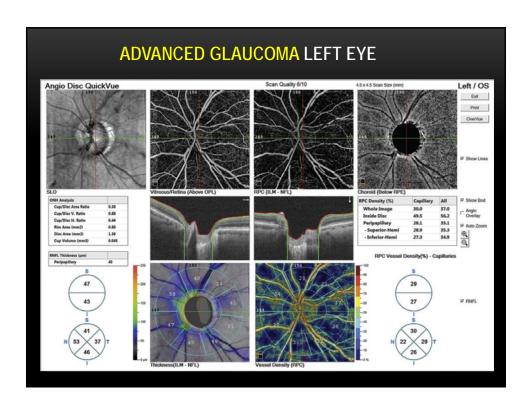


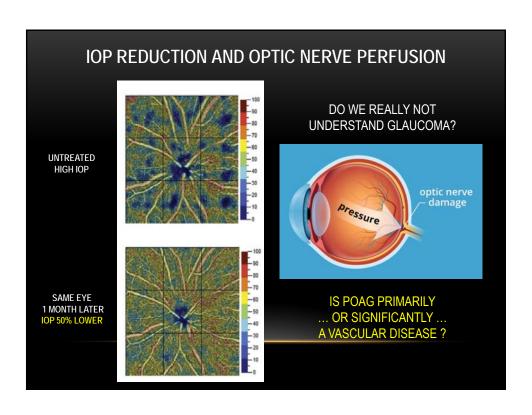




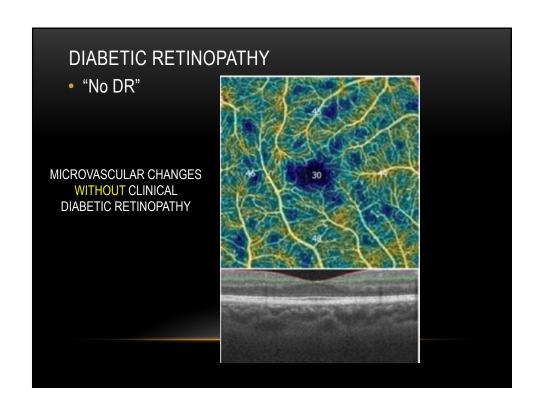


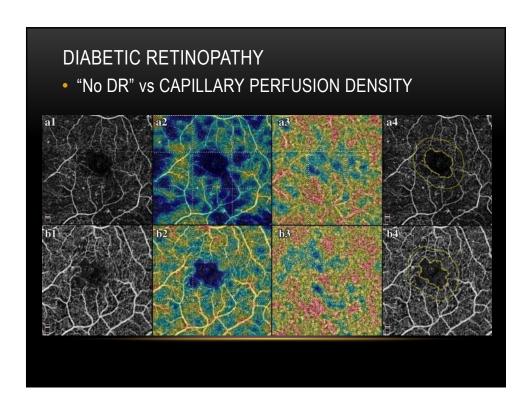


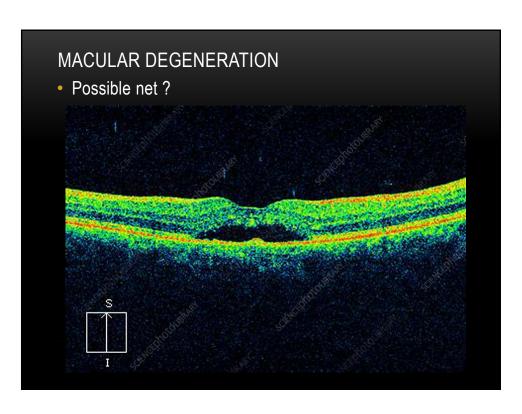


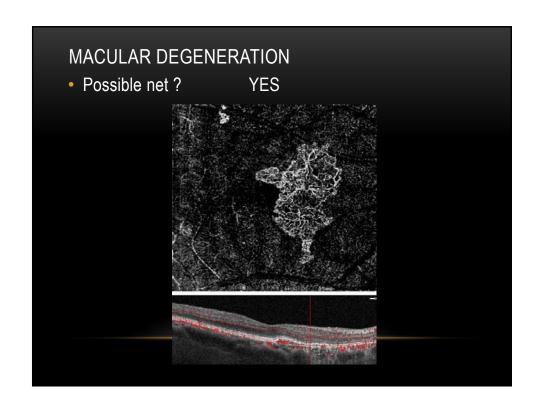


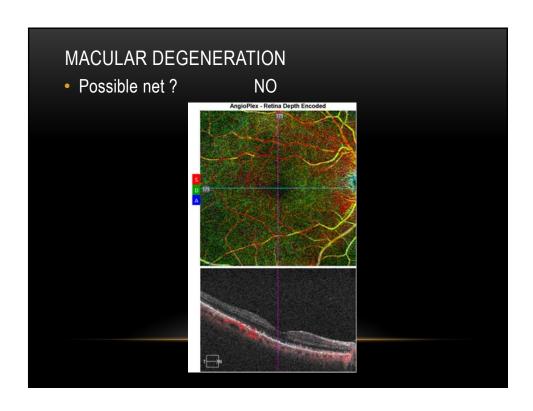


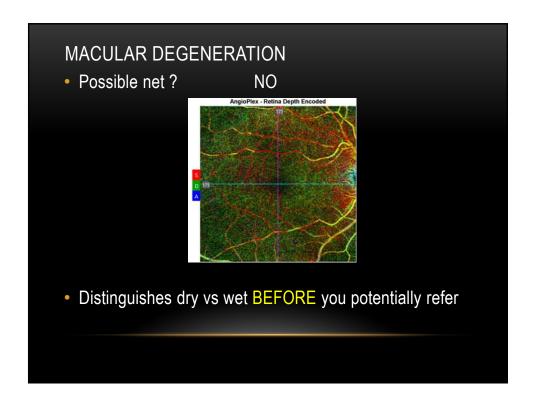


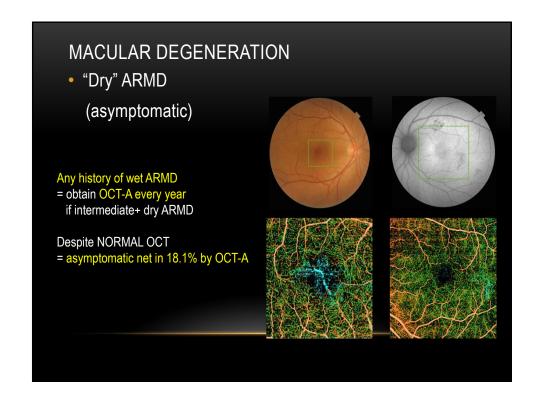












MACULAR DEGENERATION

"Dry" ARMD (asymptomatic)

Any history of wet ARMD = obtain OCT-A every year if intermediate+ dry ARMD

Despite NORMAL OCT = asymptomatic net in 18.1%

ARMD Classification	Characteristics
No abnormal findings	No aging changes: • Absence of drusen • No pigmentary abnormalities
	Normal aging changes: • All small drusen (≤63 µm) • No pigmentary abnormalities
Early ARMD	• Medium-sized drusen (>63 µm and ≤125 µm) • No pigmentary abnormalities
Intermediate ARMD	• Large drusen (>125 μm) and / or RPE abnormalities
Late ARMD	Neovascular membrane and / or geographic atrophy

