



المؤتمر السنوي الدولي للجمعية المصرية
INTERNATIONAL CONGRESS OF THE
**EGYPTIAN
OPHTHALMOLOGICAL
SOCIETY**



Anti-VEGF In Wet AMD

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I have no financial interest

Q: CAN OCT CHANGE OUR MANAGEMENT PROTOCOLS ?

Anti-VEGF and Wet AMD

Standard of Care in Neovascular AMD

- ANCHOR - MARINA
- CATT
- VIEW 1,2



Anti-VEGF and Wet AMD

Intravitreal injections protocols

- Fixed dosing (Monthly, bimonthly, quarterly)

“One size fits all” to “individualized” ttt

Anti-VEGF and Wet AMD

Intravitreal injections protocols

- Fixed dosing
- PRN (As Needed)
- Treat & Extend (T&E)

Anti-VEGF and Wet AMD

The definition of disease **ACTIVITY**

Loss of ≥ 5 letters in VA

Evidence of new Hge.

IRF and SRF in OCT

CRT increased by $>100 \mu\text{m}$

Anti-VEGF and Wet AMD

The role of OCT

Base line DIAGNOSIS

Monitoring RESPONSE

HOW many injections we are loading?

THREE.....OR MORE?

WHEN to say RESISTANT n-AMD ?

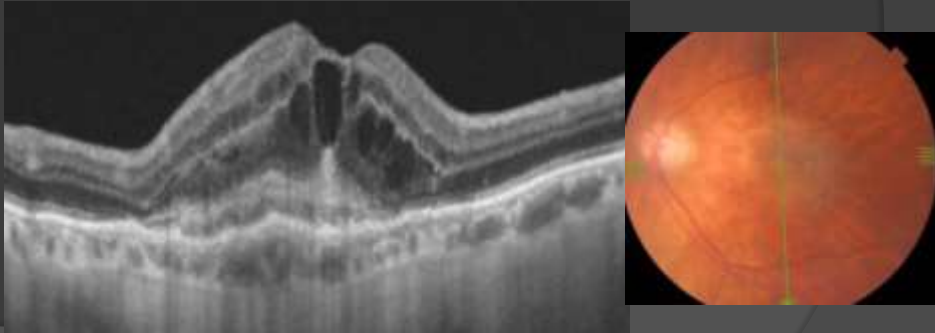
WHEN to say RECURRENT n-AMD ?

Anti-VEGF and Wet AMD

The role of OCT

Monitoring *RESPONSE*

Intra retinal fluids "CYSTS"

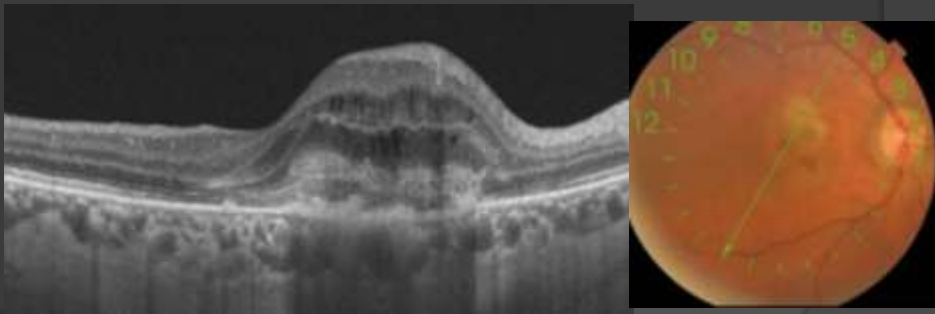


Anti-VEGF and Wet AMD

The role of OCT

Monitoring *RESPONSE*

Intra retinal fluids "CYSTS"

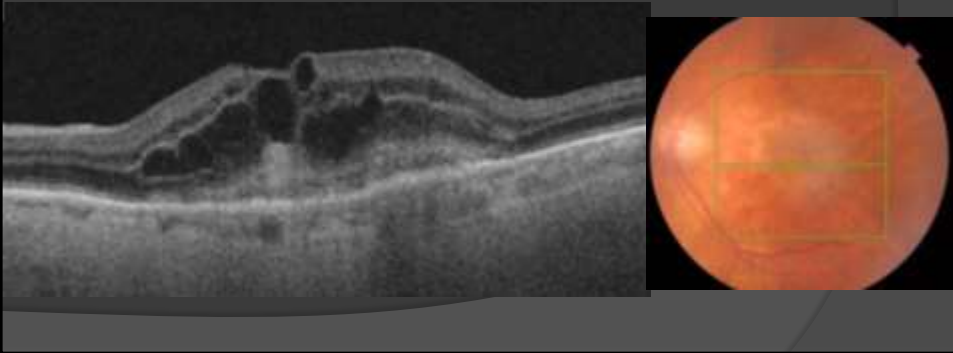


Anti-VEGF and Wet AMD

The role of OCT

Monitoring *RESPONSE*

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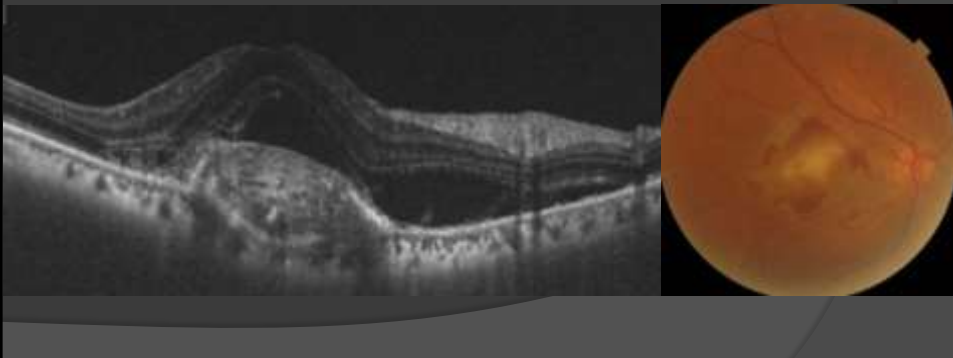


Anti-VEGF and Wet AMD

The role of OCT

Monitoring *RESPONSE*

Subretinal fluids

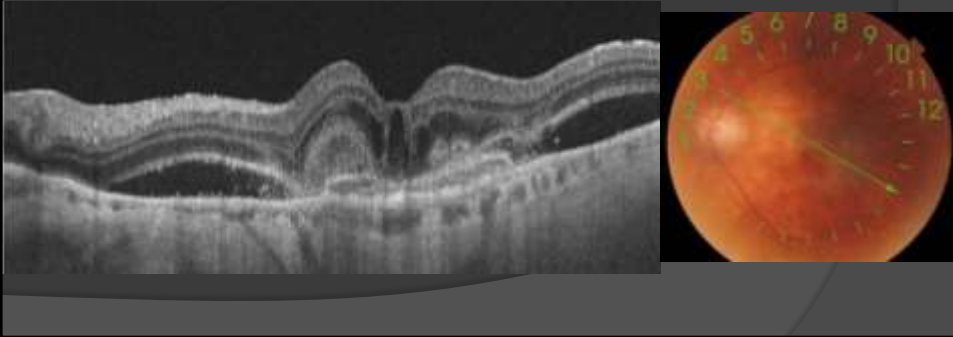


Anti-VEGF and Wet AMD

The role of OCT

Monitoring *RESPONSE*

Subretinal fluids

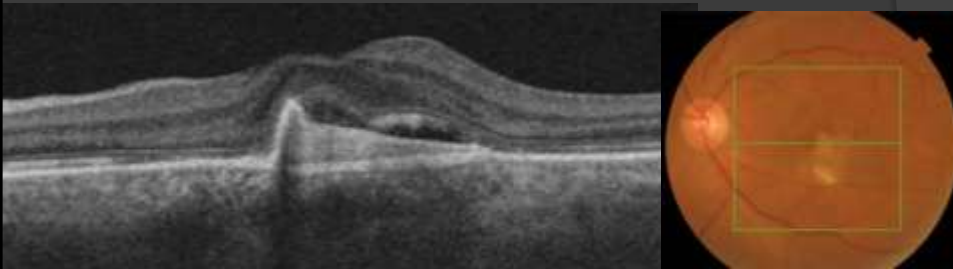


Anti-VEGF and Wet AMD

The role of OCT

Do we need to totally “DRY” the macula?

Subretinal fluids



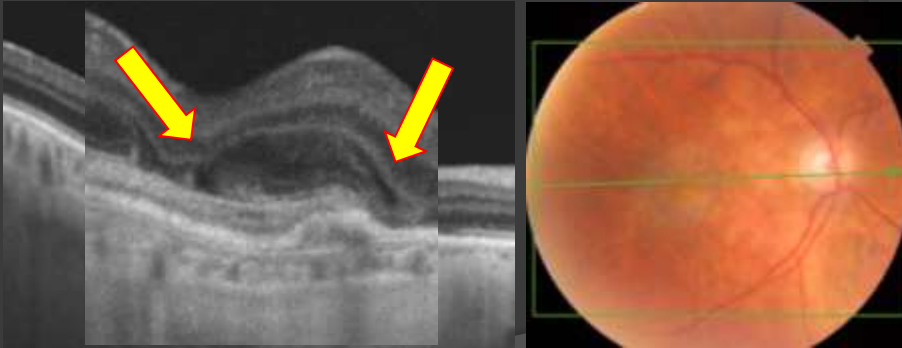
? Less than 200 μm

“FLUID STUDY”

Anti-VEGF and Wet AMD

The role of OCT

Do we need to totally "DRY" the macula?

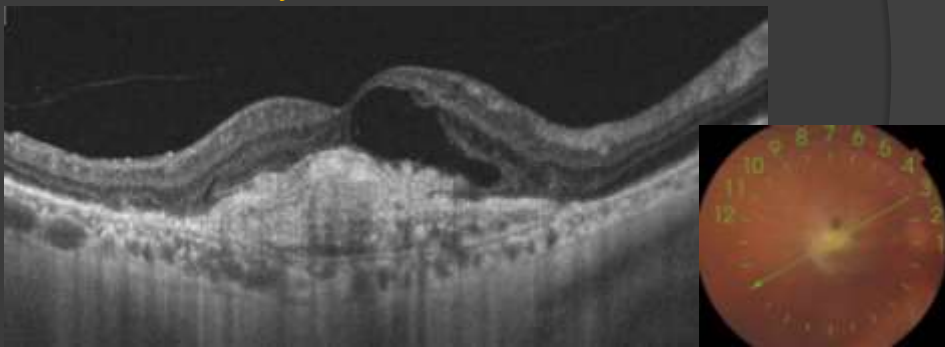


Anti-VEGF and Wet AMD

The role of OCT

Do we need to totally "DRY" the macula?

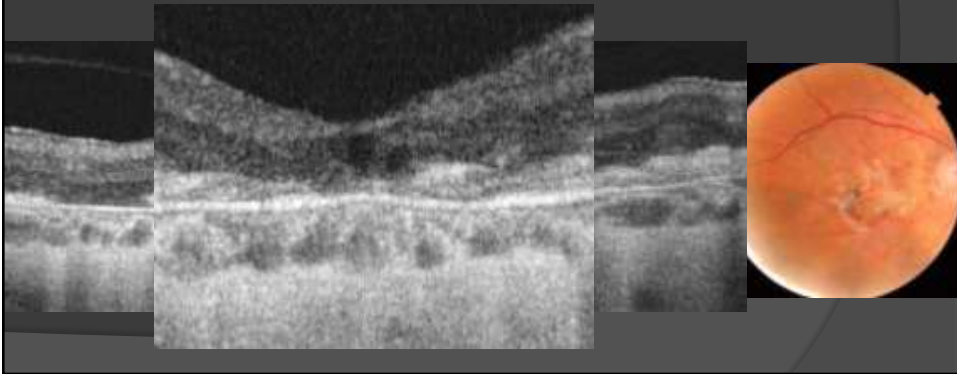
Chronic Cysts



Anti-VEGF and Wet AMD

The role of OCT

Do we need to totally "DRY" the macula?
Chronic Cysts

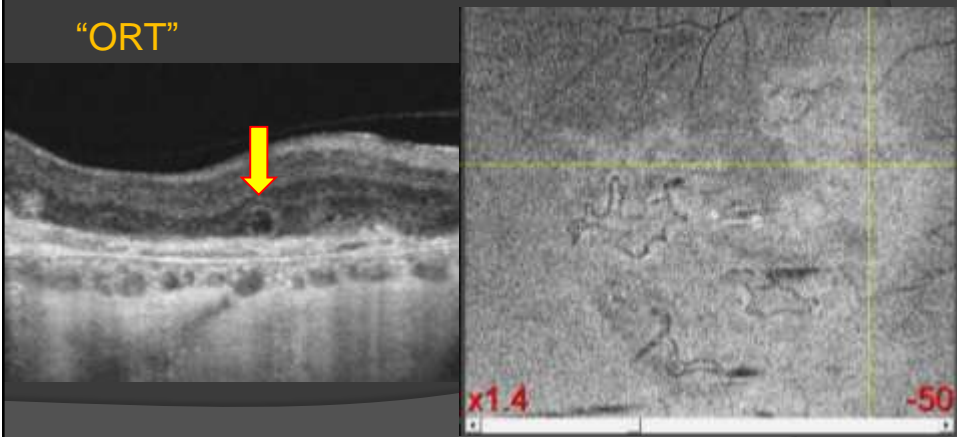


Anti-VEGF and Wet AMD

The role of OCT

Do we need to totally "DRY" the macula?

"ORT"

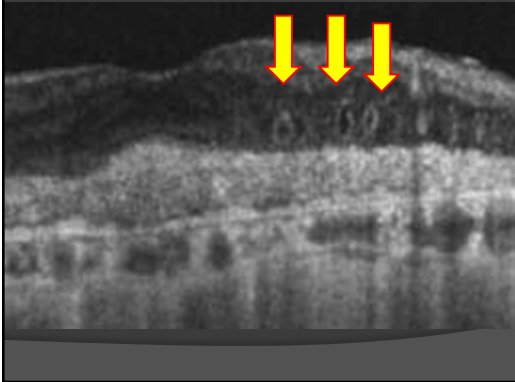


Anti-VEGF and Wet AMD

The role of OCT

Do we need to totally "DRY" the macula?

"ORT"

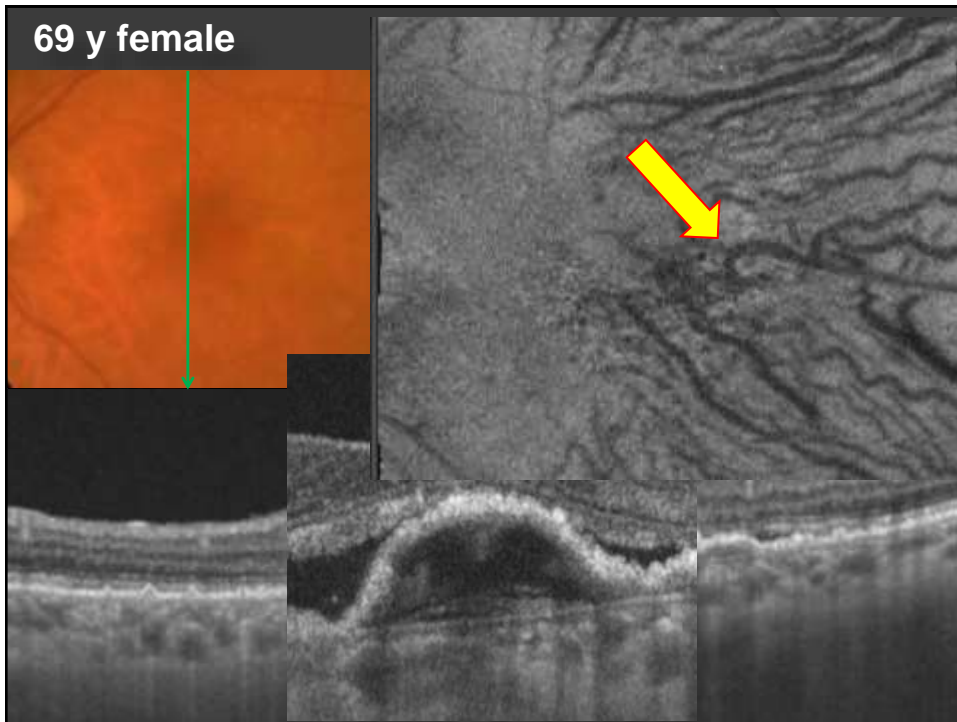


Anti-VEGF and Wet AMD

The role of OCT

Differentiating n-AMD from PCV

OCT alone without ICG?



Anti-VEGF and Wet AMD

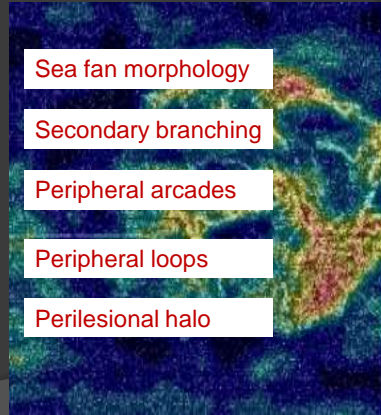
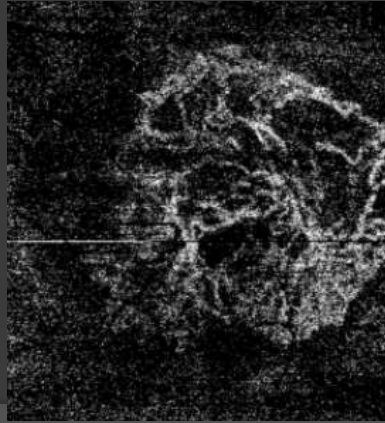
The role of OCT

Combination with "OCTA"
assessing activity in "long term" not "short term"

Anti-VEGF and Wet AMD

The role of OCT Combination with "OCTA"

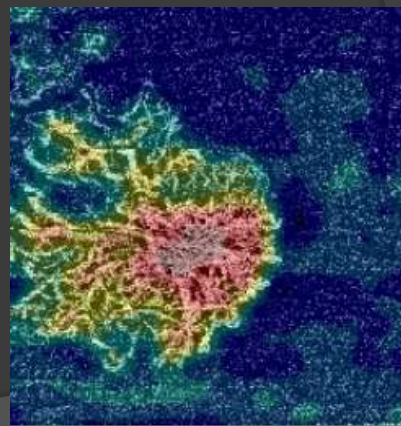
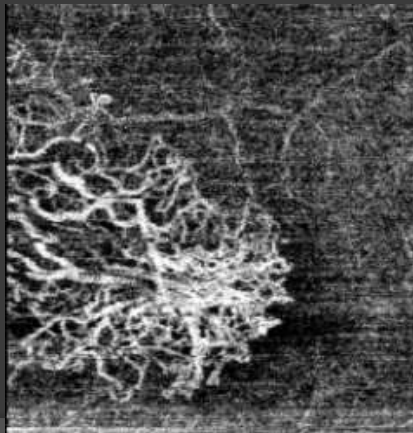
Criteria of activity "short term"



Anti-VEGF and Wet AMD

The role of OCT Combination with "OCTA"

Criteria of activity "short term"



Anti-VEGF and Wet AMD

The role of OCT Combination with “OCTA”

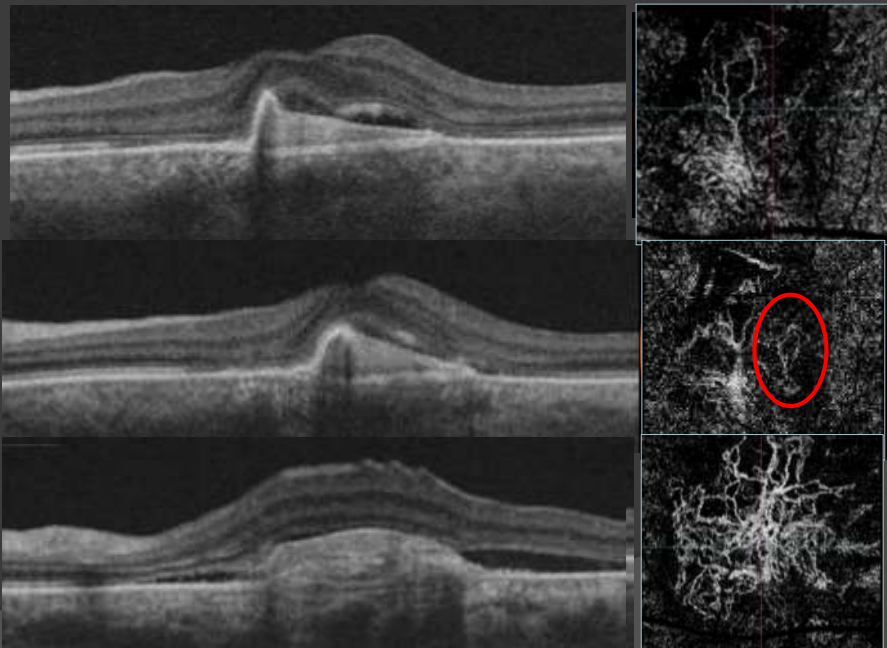
Criteria of activity “long term”

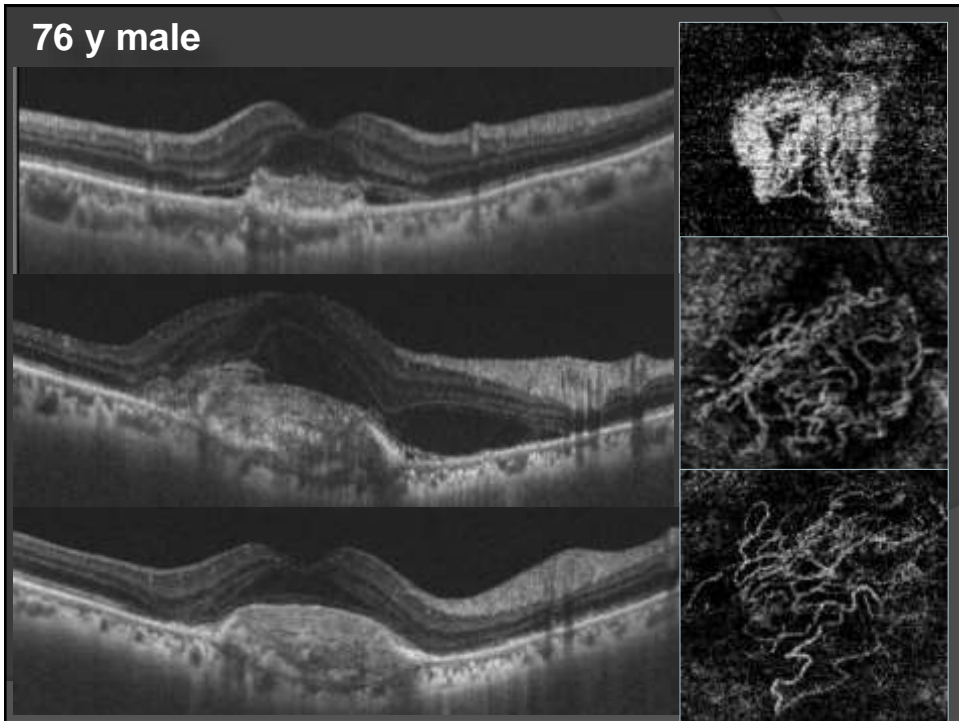
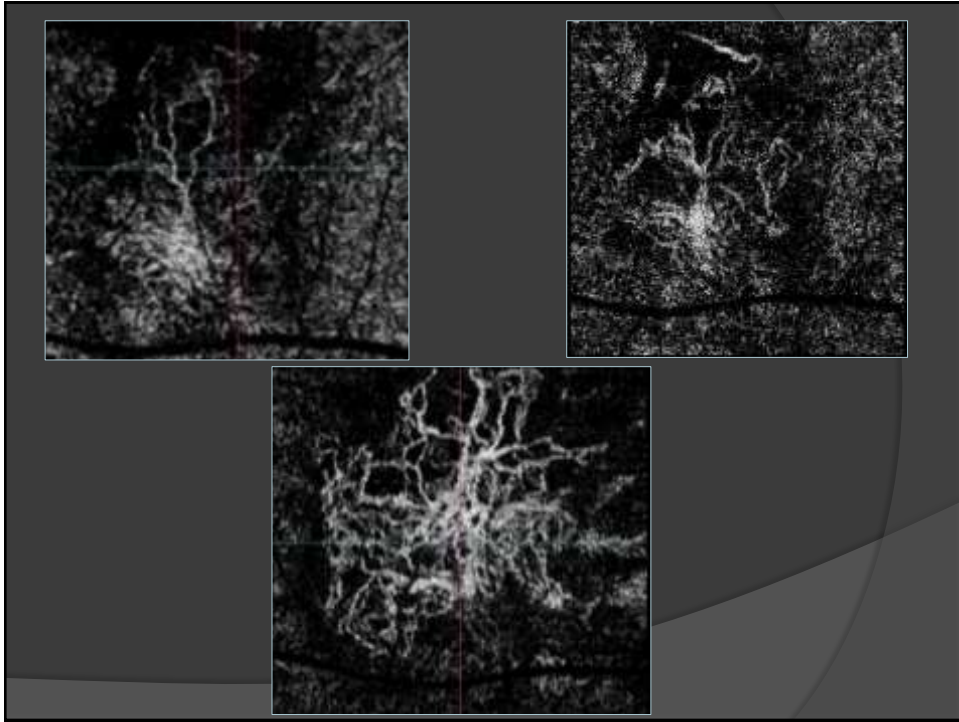
Rate of growth

Pattern of growth

Maturity of vessels

67 y male received 10 injections





Take home message

B-scan OCT ,not only have diagnostic role in n-AMD, but also an important biomarker for disease activity and visual prognosis that can fine tune our ttt algorithms especially if combined with the new technology of OCTA.

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Thank You

