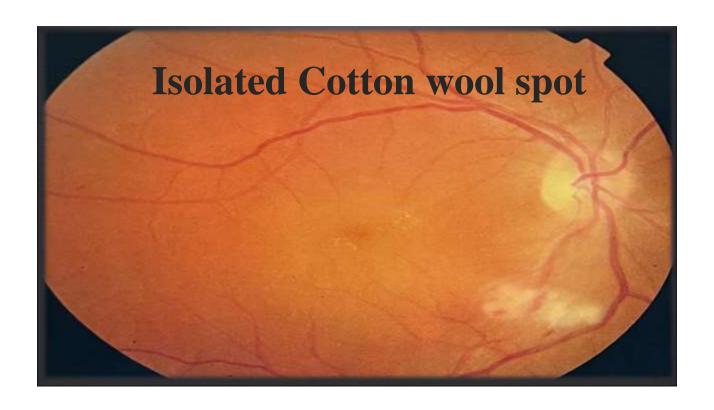
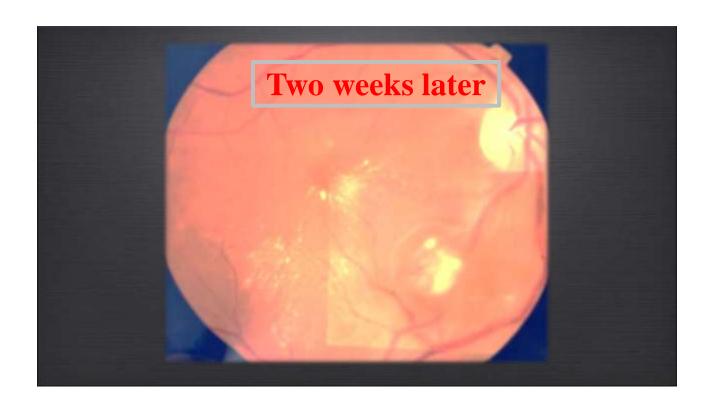
Something is leaky ...

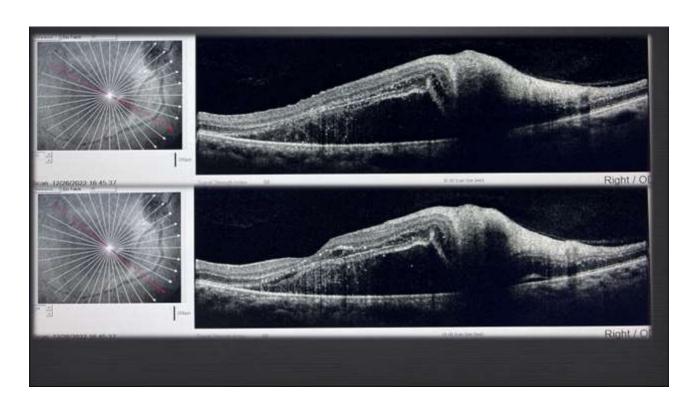
Abdussalam Abdullatif, MD Associate Professor Cairo University

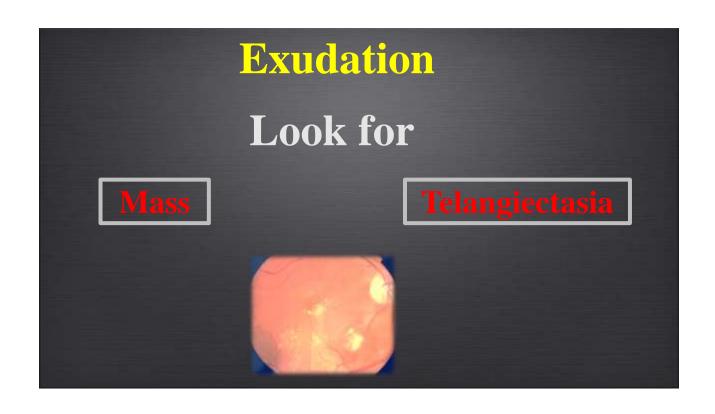
- ➤ 40 yrs old female patient coming complaining of blurred vision in right eye.
- ➤ No diabetes or HTN
- ➤ Negative past medical and ocular history.

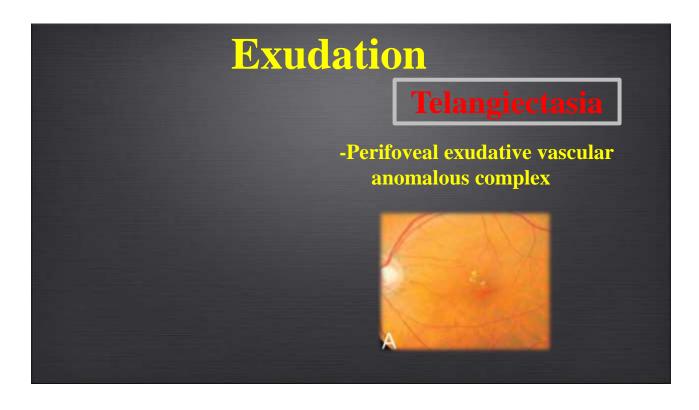


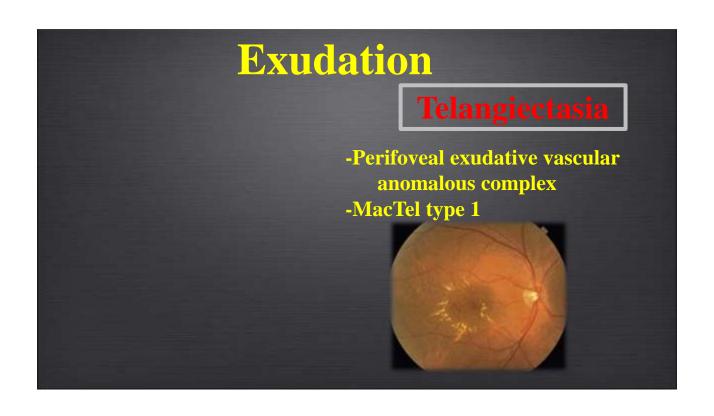
Cotton wool spots > Ischemic > Embolic > Connective tissue > Neoplastic > Infectious

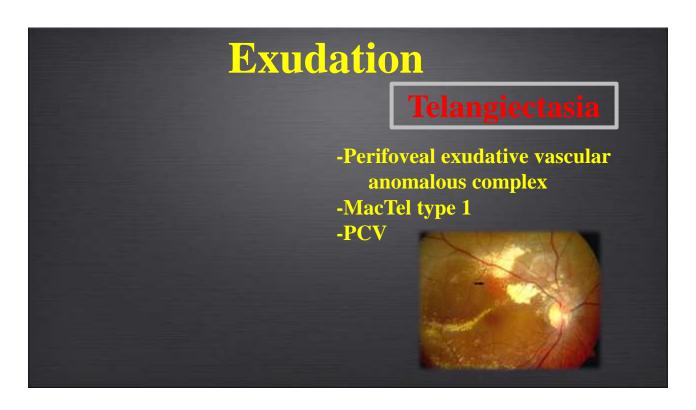


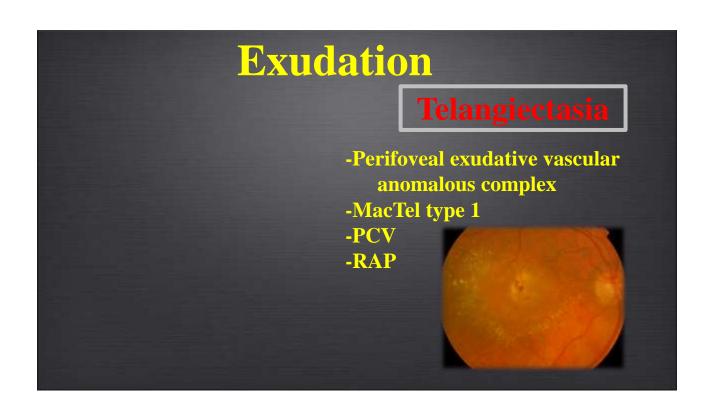


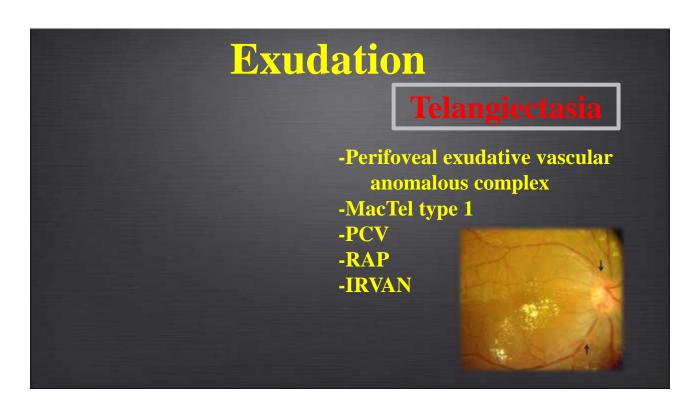


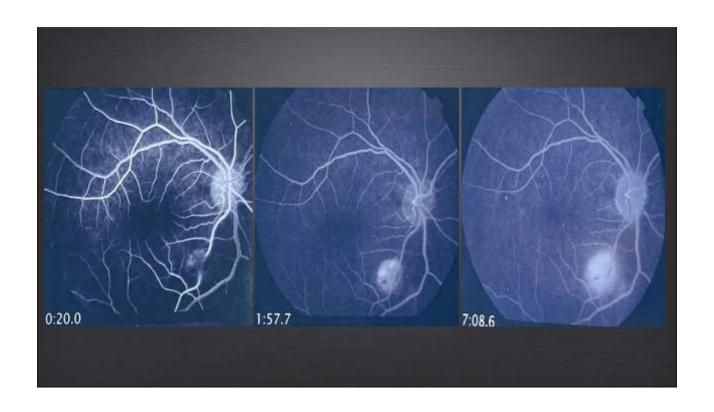


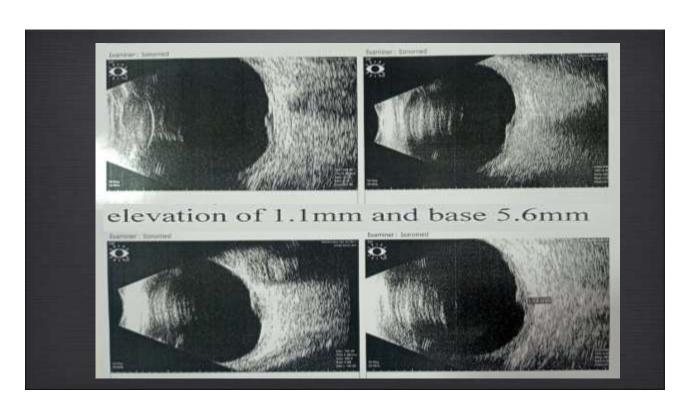


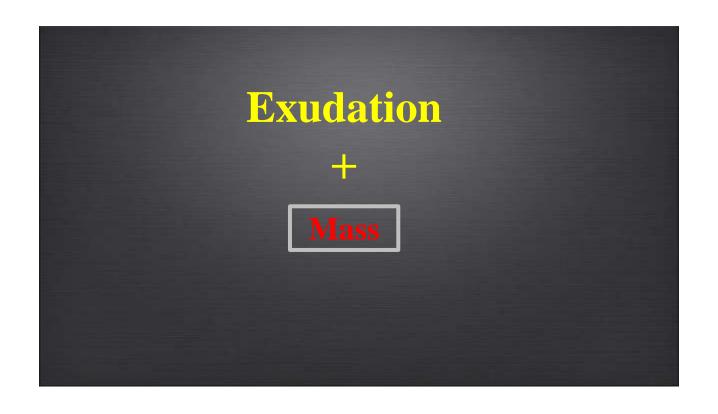


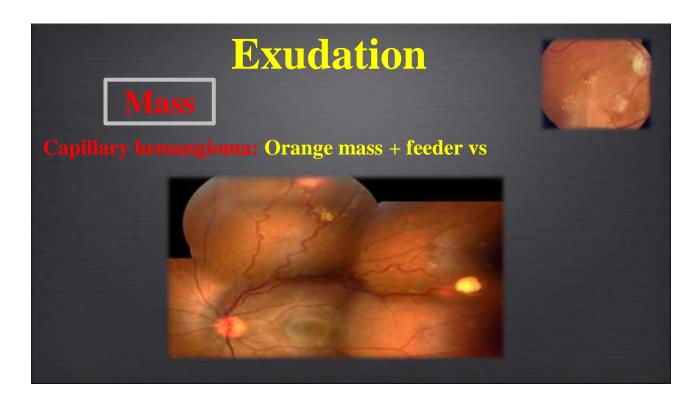
















Exudation

Mass



Vasoproliferative proliferation: Yellowish Pink mass + NO feeder vs

RPE adenoma: Black mass

Retinal Arterial Macroaneurysm:

Mass along artery

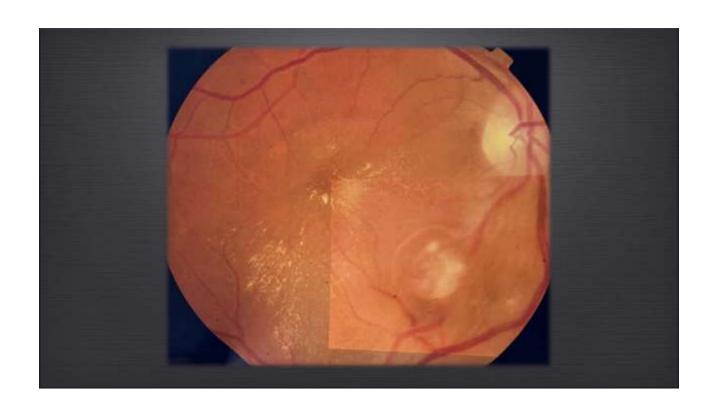


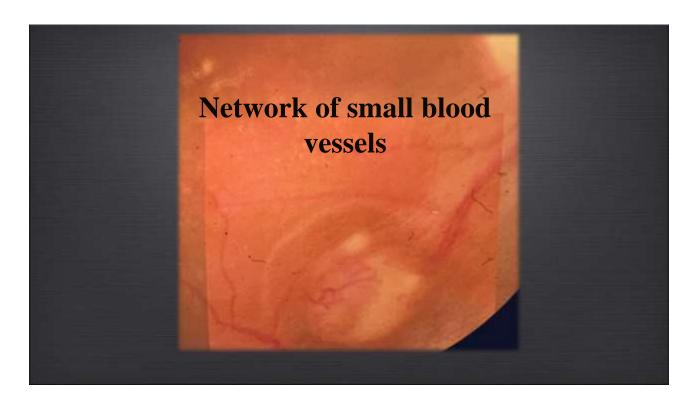
Exudation

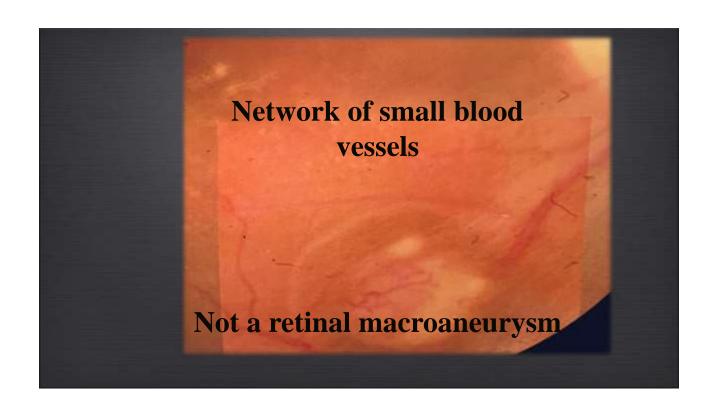
Mass

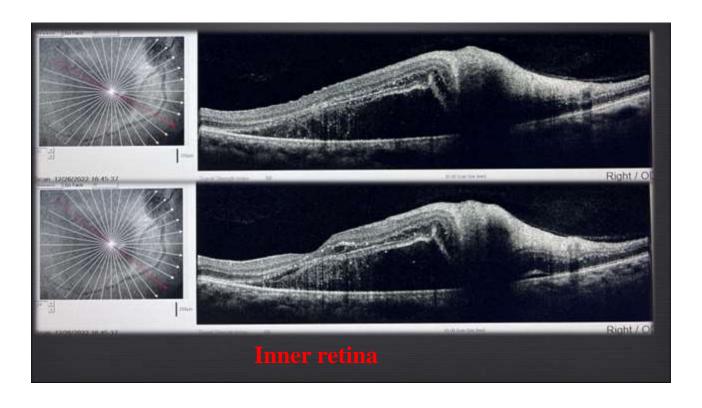
Retinal Arterial Macroaneurysm:

- > Female ... along an artery ... FFA: early filling
- > Not reddish Thrombosed RAM is white
- > No hge ... Exudative form





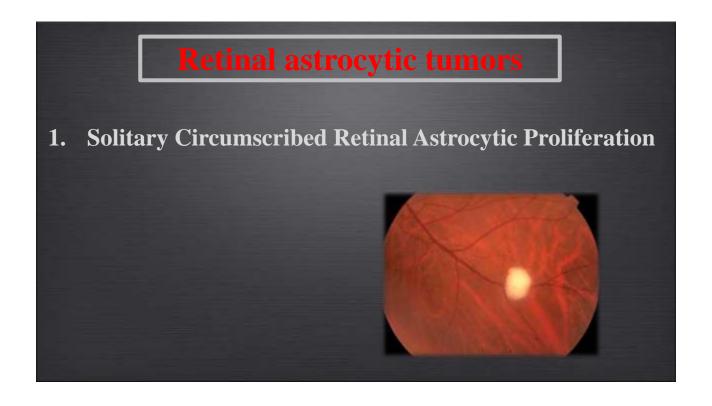




Whitish mass with exudation
 Arising from inner retinal layers
 Retinal Astrocytoma

Retinal Astrocytoma But, ➤ No calcifications ➤ No manifestation of Tuber Sclerosis

Retinal astrocytic tumors Arises from glial cells of the sensory retina predominantly astrocytes

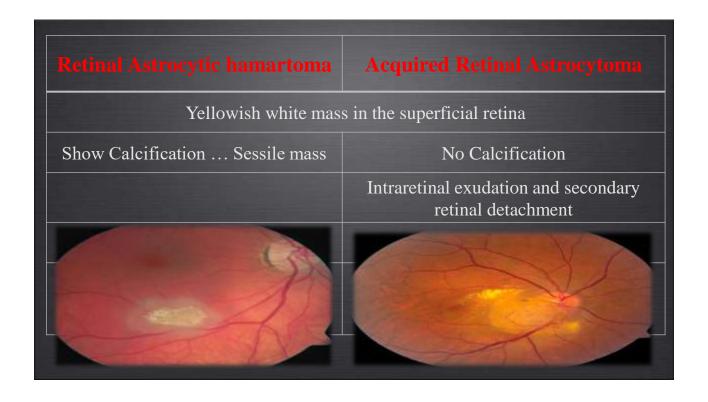


Retinal astrocytic tumors

- 1. Solitary Circumscribed Retinal Astrocytic Proliferation
- 2. Retinal Astrocytic hamartoma (RAH)
- 3. Acquired Retinal Astrocytoma



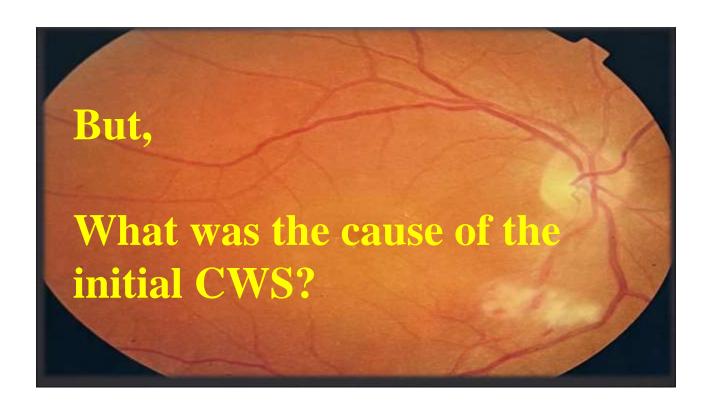
Acquired Retinal Astrocytoma
Acquiredolder
Not ass.
Uni, Solitary
Aggressive Growth



Retinal Astrocytic hamartoma	Acquired Retinal Astrocytoma
Yellowish white mas	s
Show Calcification Sessile mass	
Retinal traction not RB	
	Abundant intrinsic vascularity
	Retinal feeder vessels can be apparent, but they are not dilated and tortuous as Rb, RCH

- > Solitary
- > Yellowish white mass in the inner retina
- > Exudation
- > Intrinsic vascularity
- ➤ No calcification
- Not ass with TSC

Acquired Retinal Astrocytoma



Cotton wool spots

- Localized swelling of RNFL ...
- ➤ Hist: cystoid bodies
- ➤ Obstruction of the Axoplasmic transportation in the RNFL leading to accumulation of axoplasmic debris

Cotton wool spots

➤ Obstruction of the Axoplasmic transportation in the RNFL leading to accumulation of axoplasmic debris

Vascular

Mechanical

NOT an RNFL infarct

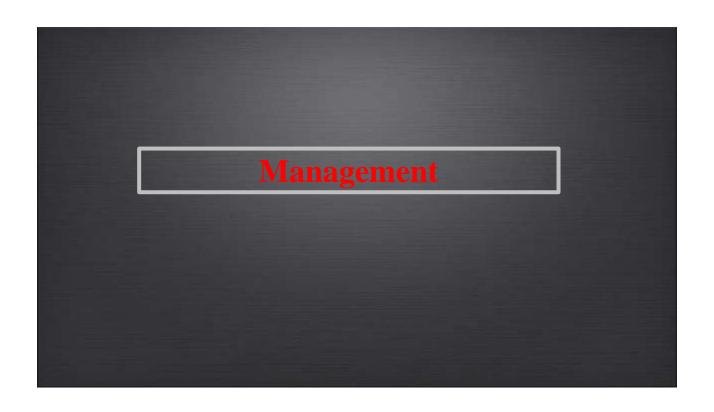
Cotton wool spots

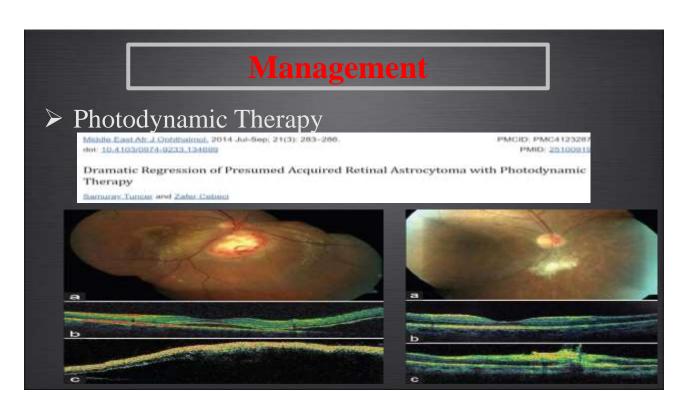
➤ Obstruction of the Axoplasmic transportation in the RNFL leading to accumulation of axoplasmic debris

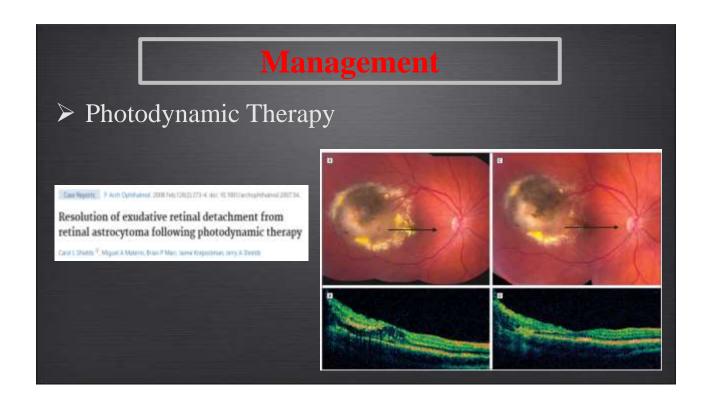
Vascular

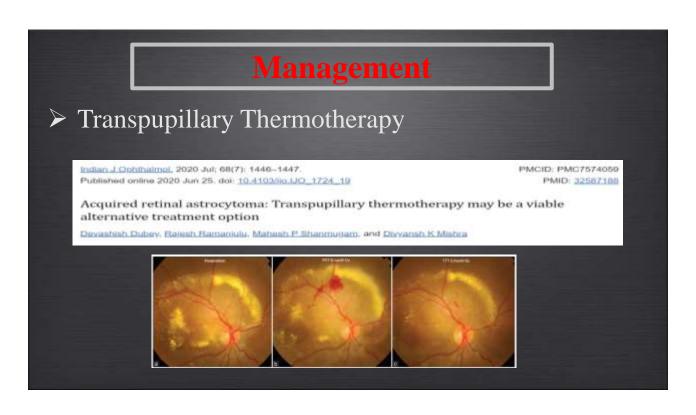
Mechanical

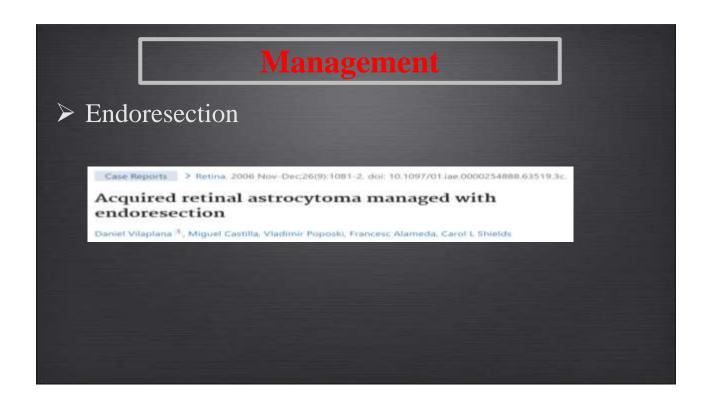
Growing mass

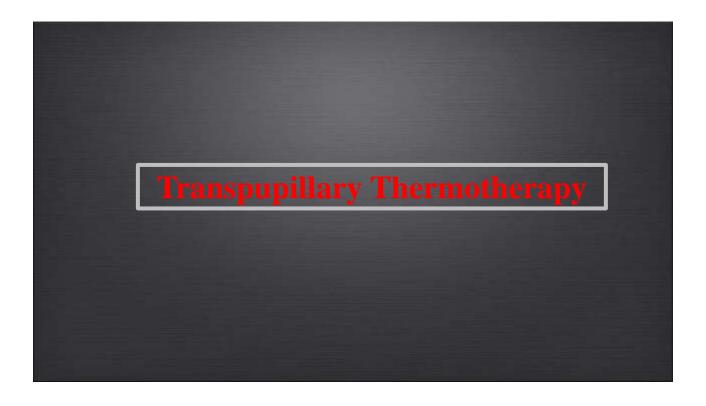








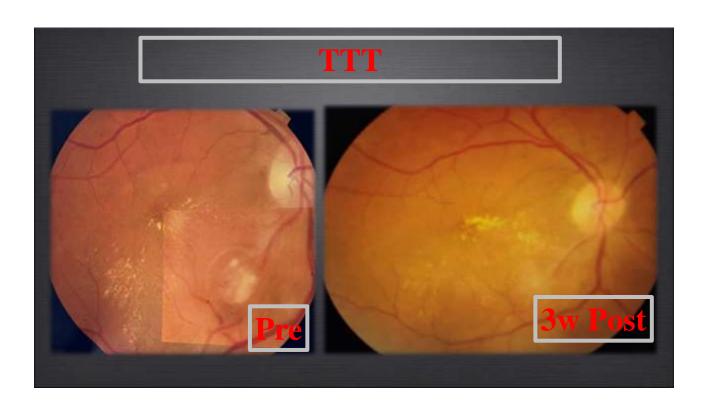


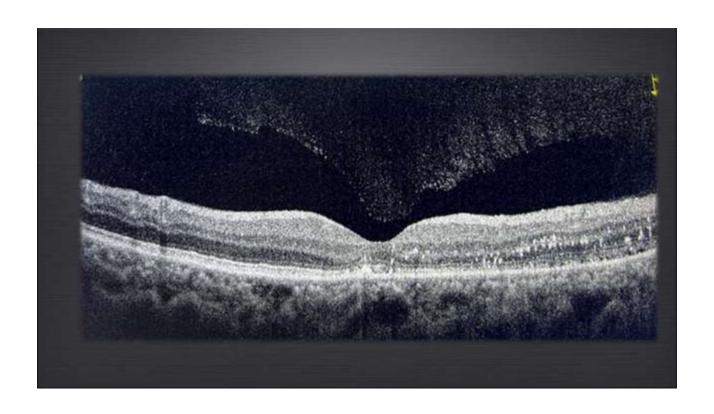


Transpupillary Thermotherapy

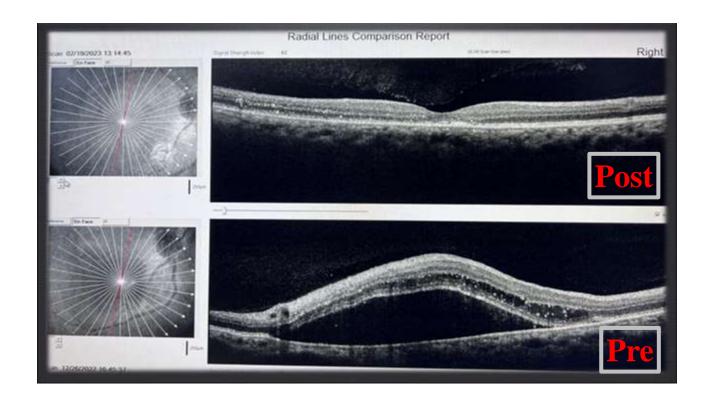
Dual mode of action.

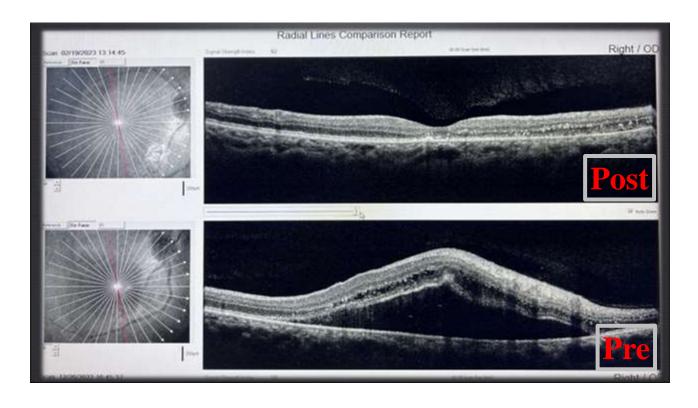
- > Thermal cytotoxic damage leading to cell apoptosis.
- ➤ Heat-induced sclerosis of the vascular channels causing tumor regression and resolution of exudation

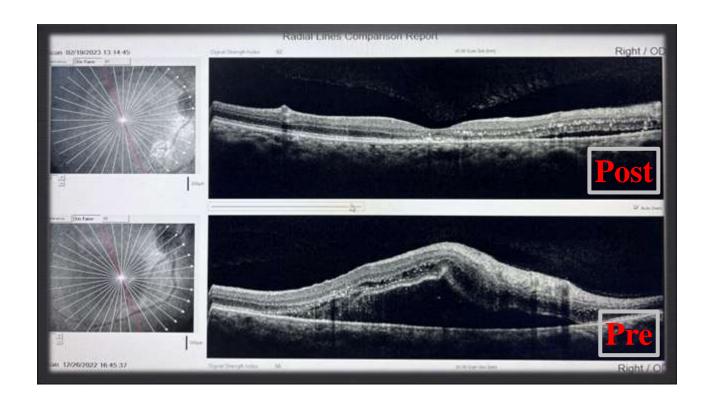


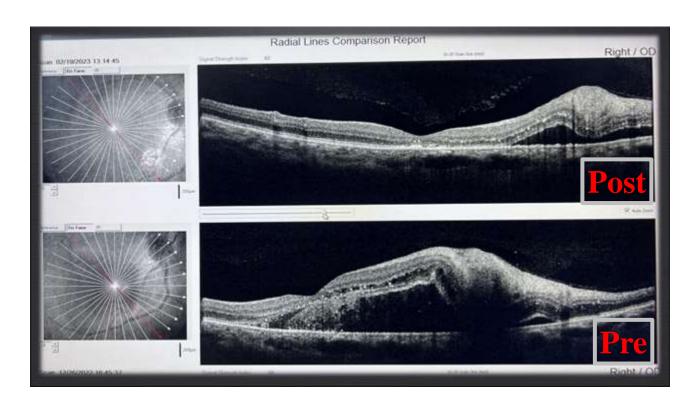


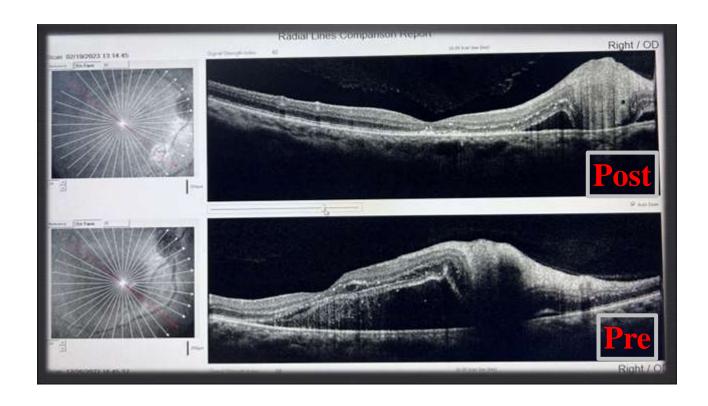


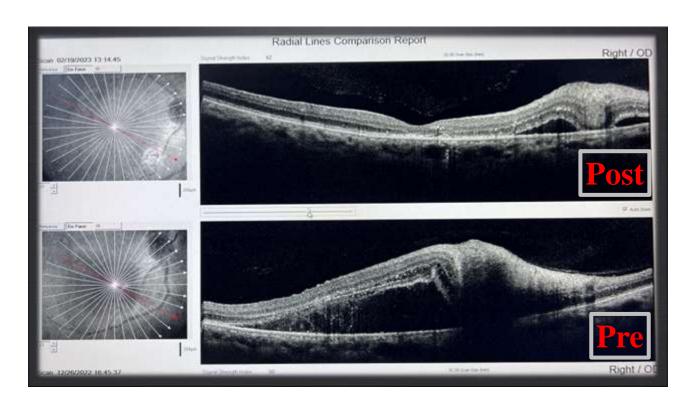












At the end ...

One should be aware about the Astrocytic tumors

Clinical picture Investigations Treatment

