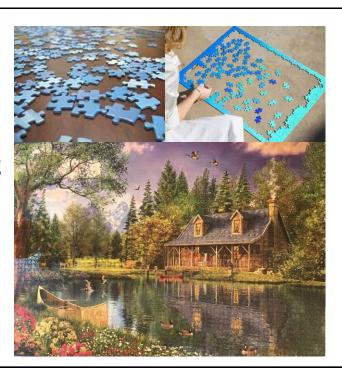


TAREK EID, MD
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Consultant, Glaucoma & Cataract Unit, EyeCity Center, New Cairo

PATIENT'S
HISTORY, CLINICAL
FINDINGS &
WORKUP DATA ARE
LIKE A PUZZLE,
EVERY PIECE MUST
FIT IN POSITION,
TO GET FINAL
DIAGNOSIS



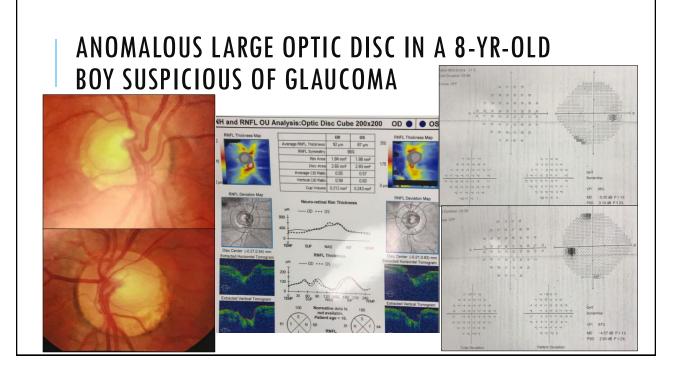
WHEN SHOULD YOU BE IN DOUBT OF YOUR GLAUCOMA DIAGNOSIS?

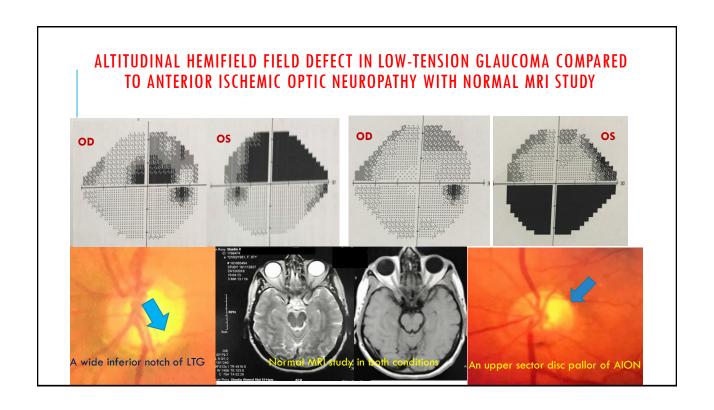
Suspicious symptoms:

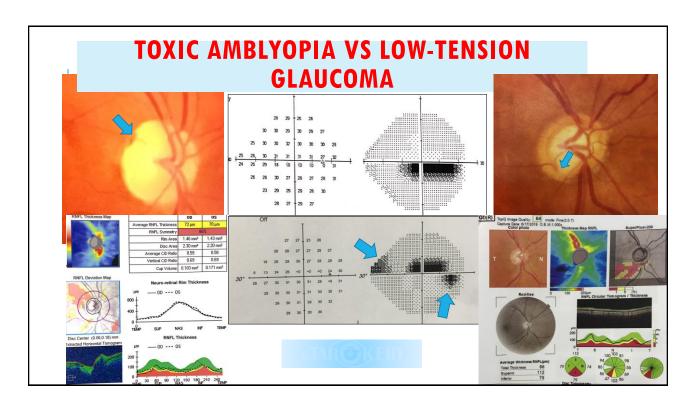
- When history is suggestive of a neurological deficit
- Unusual age of onset of glaucoma
- Sudden or rapidly progressive or transient visual loss
- Associated C/O of diplopia, painful ocular movement, morning headache or migraine
- Associated neurological symptoms: numbness, weakness, loss of libido (pituitary tumor)

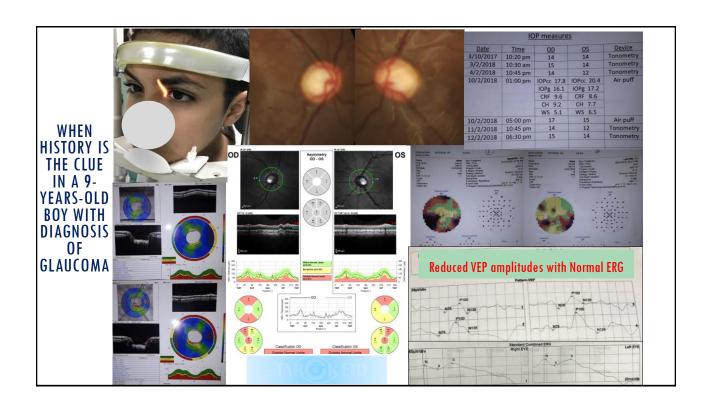
Suspicious signs:

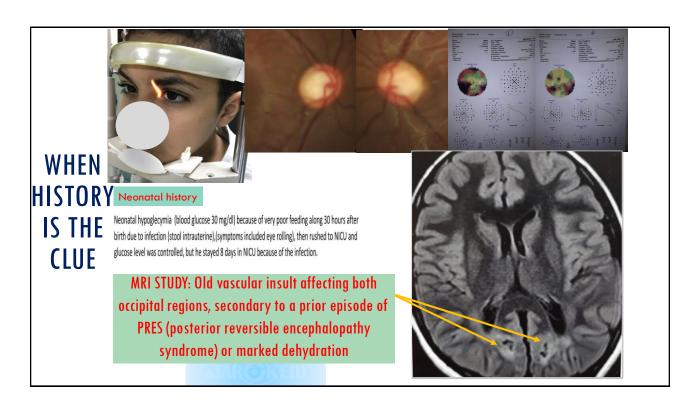
- Disc pallor exceeding cupping
- *Unilateral afferent pupillary defect
- Color vision loss
- Field defect respecting vertical meridian
- Central scotoma
- Ptosis, proptosis, or facial asymmetry

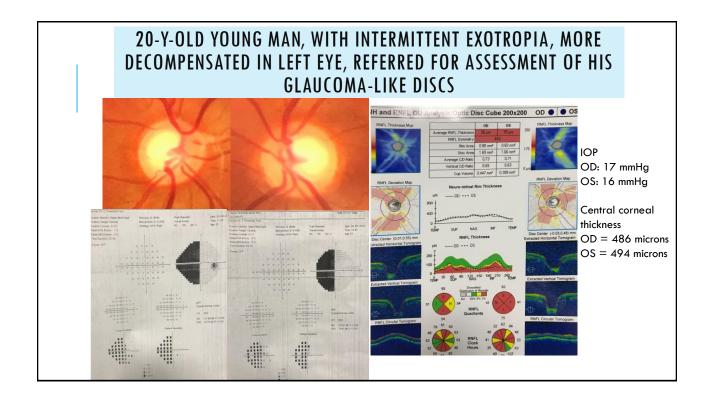


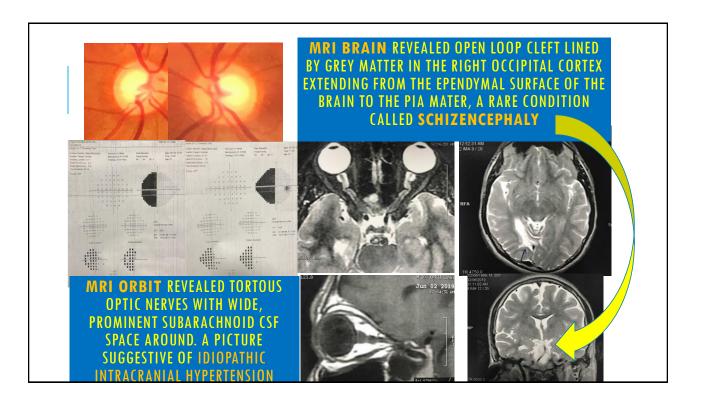


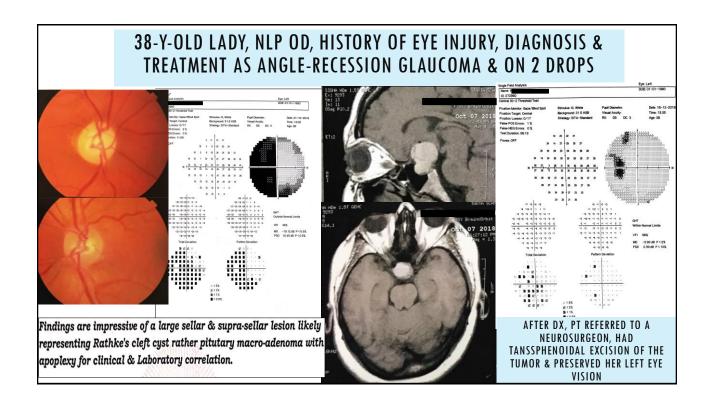


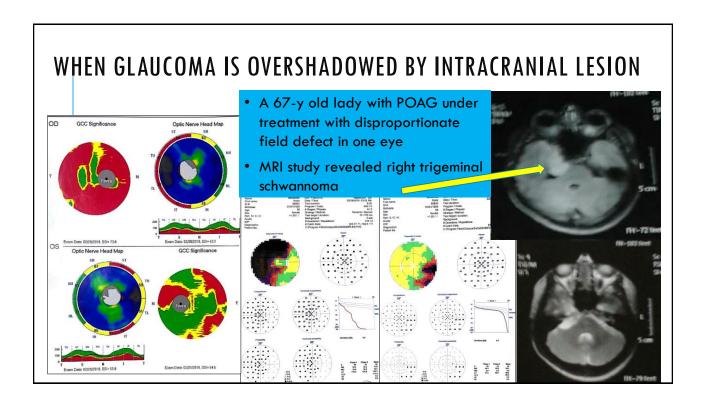


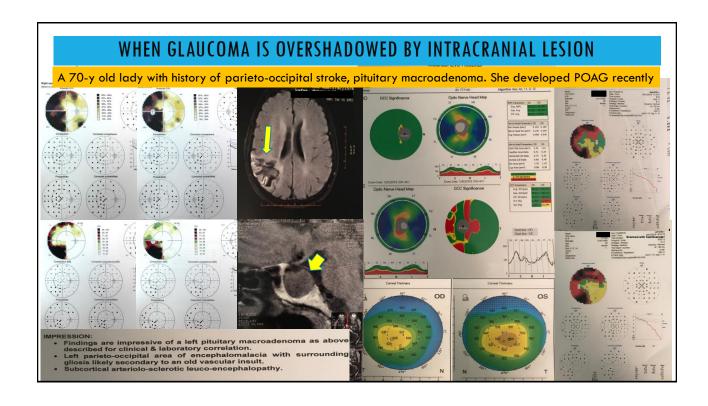














- Rapid visual deterioration & starting glaucoma Rx since 3 months
- Medical history: high serum cholesterol, Type 2 DM
- LP vision OD
- RAPD
- PALE DISC
- PXF
- No evident NVI
- Totally occluded angle w broad PAS
- No evident PDR or CRVO
- IOP 14 mmHg on 2 glaucom
- Provisional Dx:
 - pseude stive glaucoma with a gle casure





Multi Slice CT angiography report: Totally occluded right internal carotid artery from its origin with collateral refilling of its attenuated supra-clinoid portion and cerebral branches

WHEN TO IMAGE YOUR GLAUCOMA PATIENT?

Unilateral normal pressure glaucoma

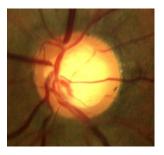
When afferent pupillary defect is more than subtle

When pallor of the nerve exceeds cupping

When filed loss is

- respecting vertical meridian
- not matching with disc damage
- progressing faster than expected for glaucoma
- progressing despite controlled IOP

When other neurological manifestations are associated (diplopia, droopy eyelid)



REMEMBER GLAUCOMA
SPECIALISTS USUALLY SEE
THE HOLE IN THE DONUTS
(THE CUP) WHILE NEUROOPHTHALMOLOGISTS
ALWAYS THINK OF THE
DOUGH (THE RIM)



THANK YOU FOR YOUR KIND ATTENTION