

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

# ***Strabismus is not always Muscles !!!***

By

***Hisham Khattab***

**M.D. Ophthalmology "Kasr Al-Ainy"**

**Consultant Strabismus Surgeon**

**Professor of Ophthalmology - Faculty of Medicine**

**Military Medical Academy**

**Member of: ISA** (International Strabismological Association)

**WSPOS** (World Society of Pediatric Ophthalmology & Strabismus)

**ESA** (European Strabismological Association)

**EPOS** (European Pediatric Ophthalmological Society)

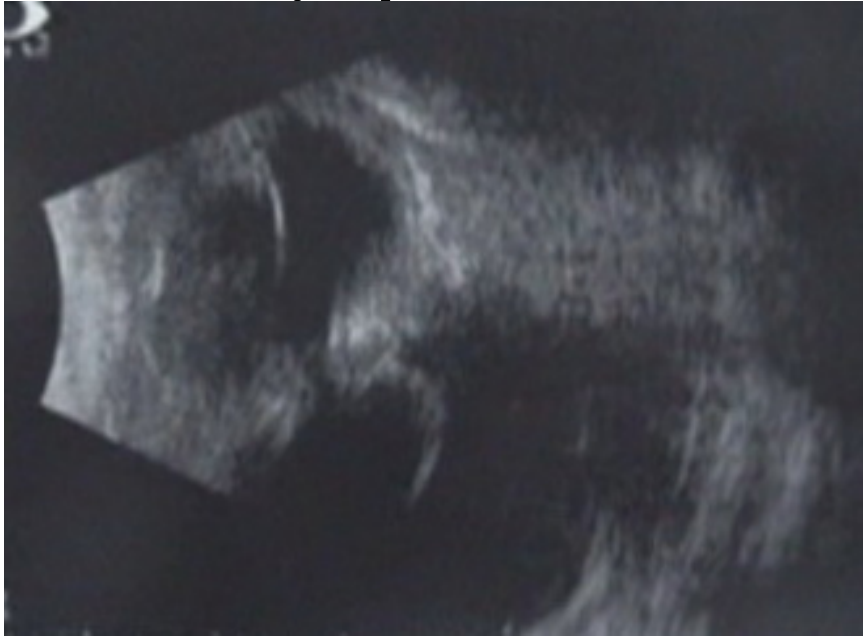
**EGPES** (Egyptian Group of Pediatric Eyes Surgeons)



2 months old boy.



Rt

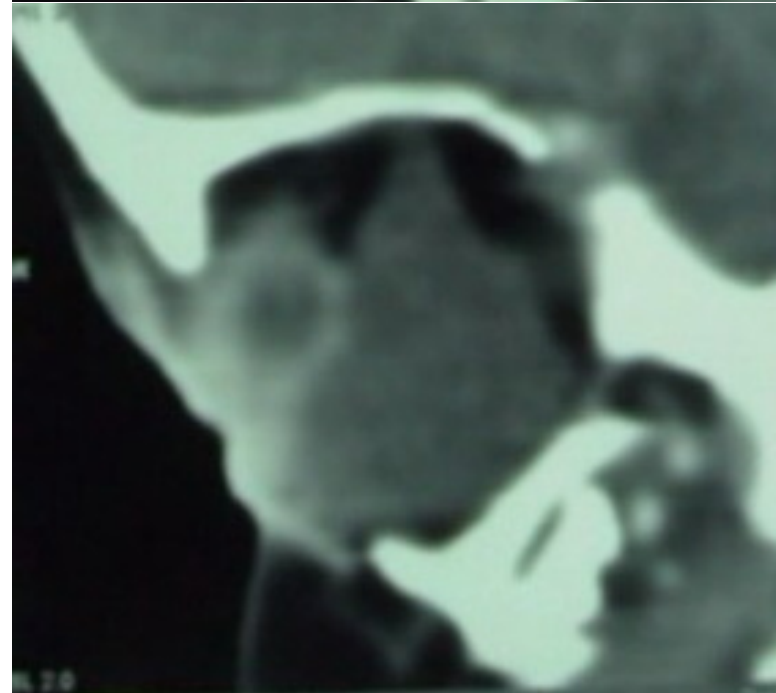
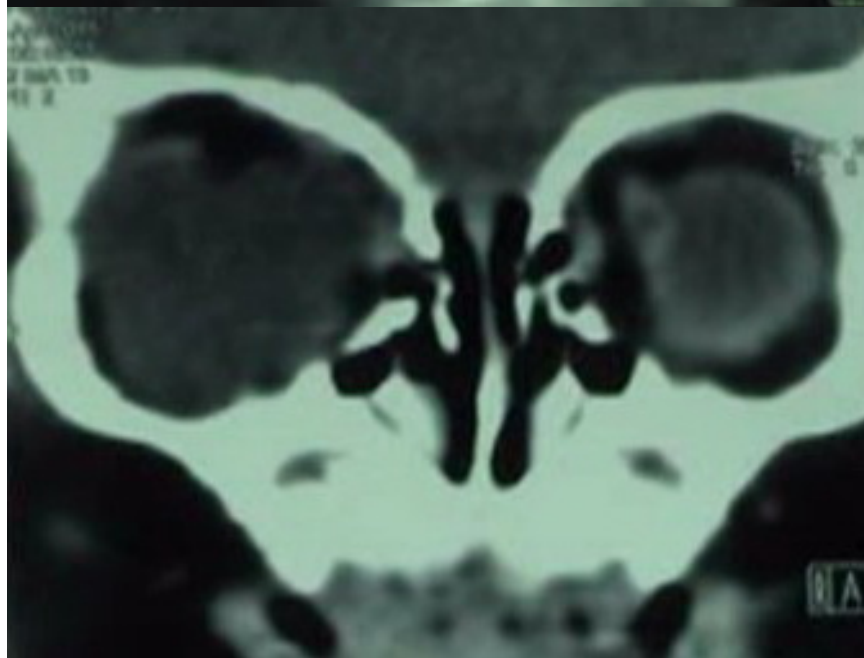
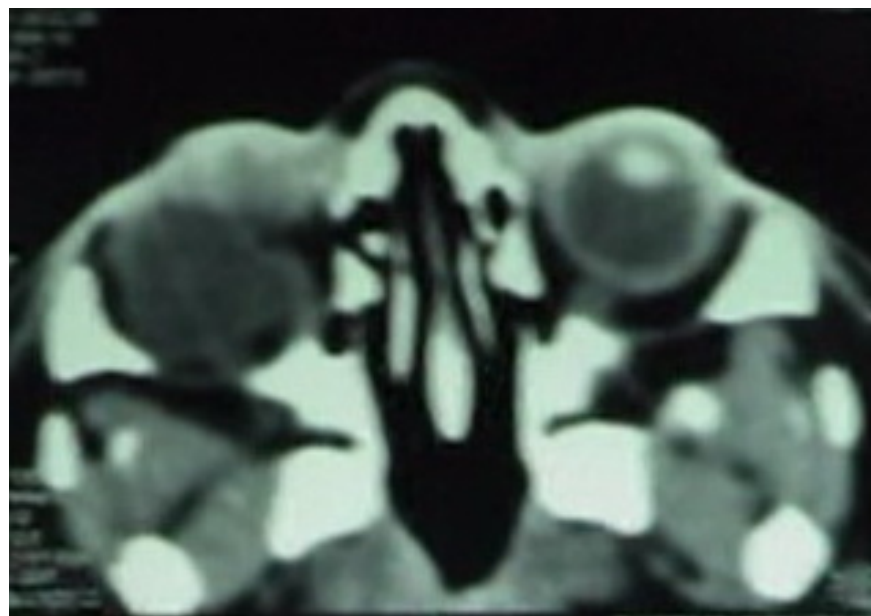
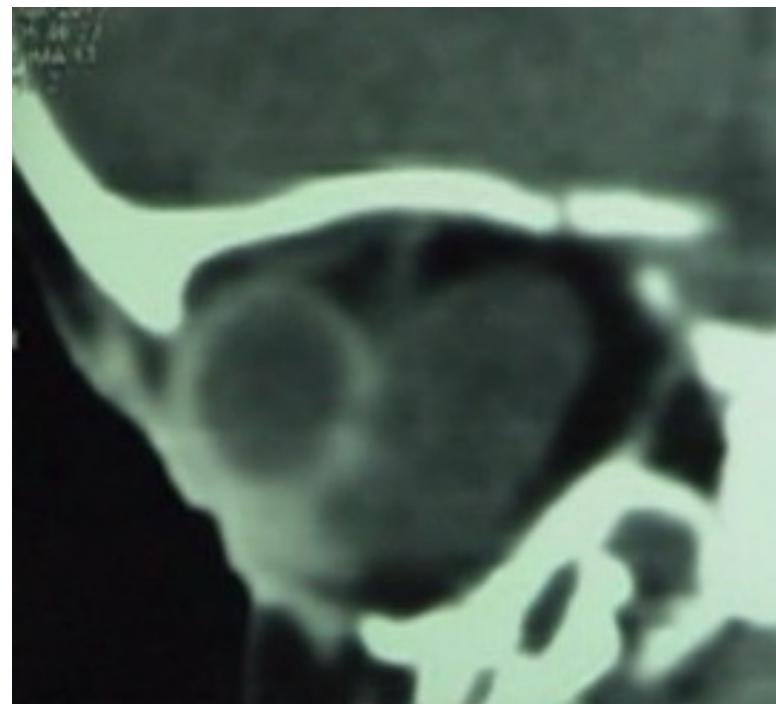
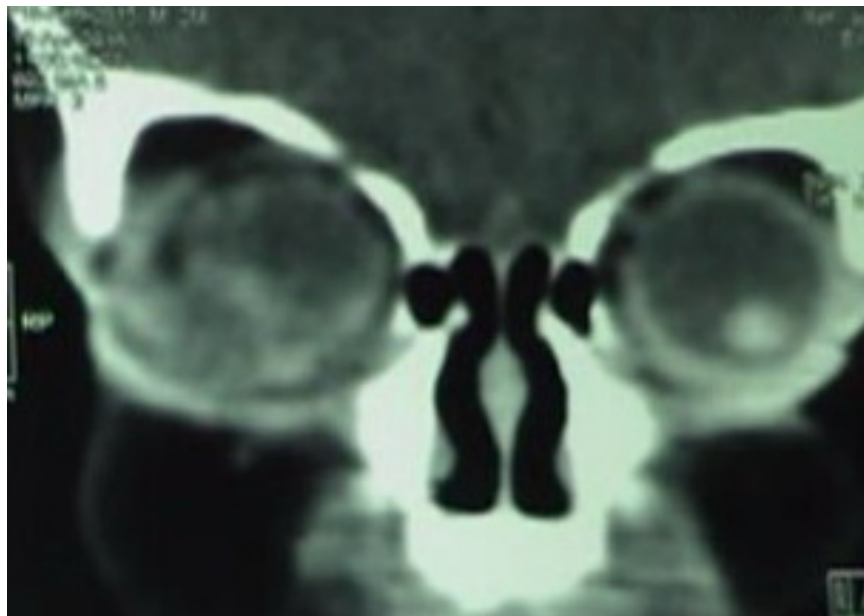
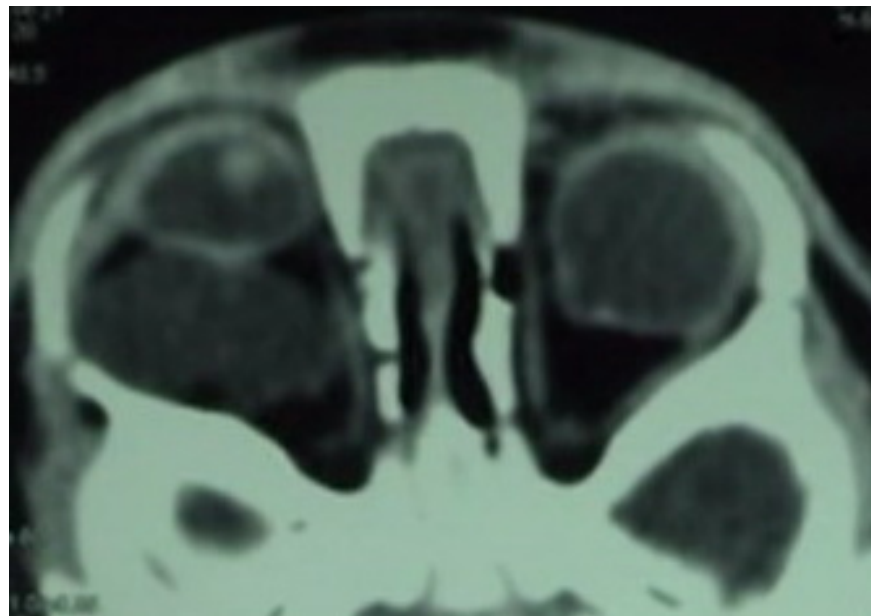


Sonar

Lt



CT



# *Diagnosis*

**Esotropia**

**Rt Retrobulbar Glioma**



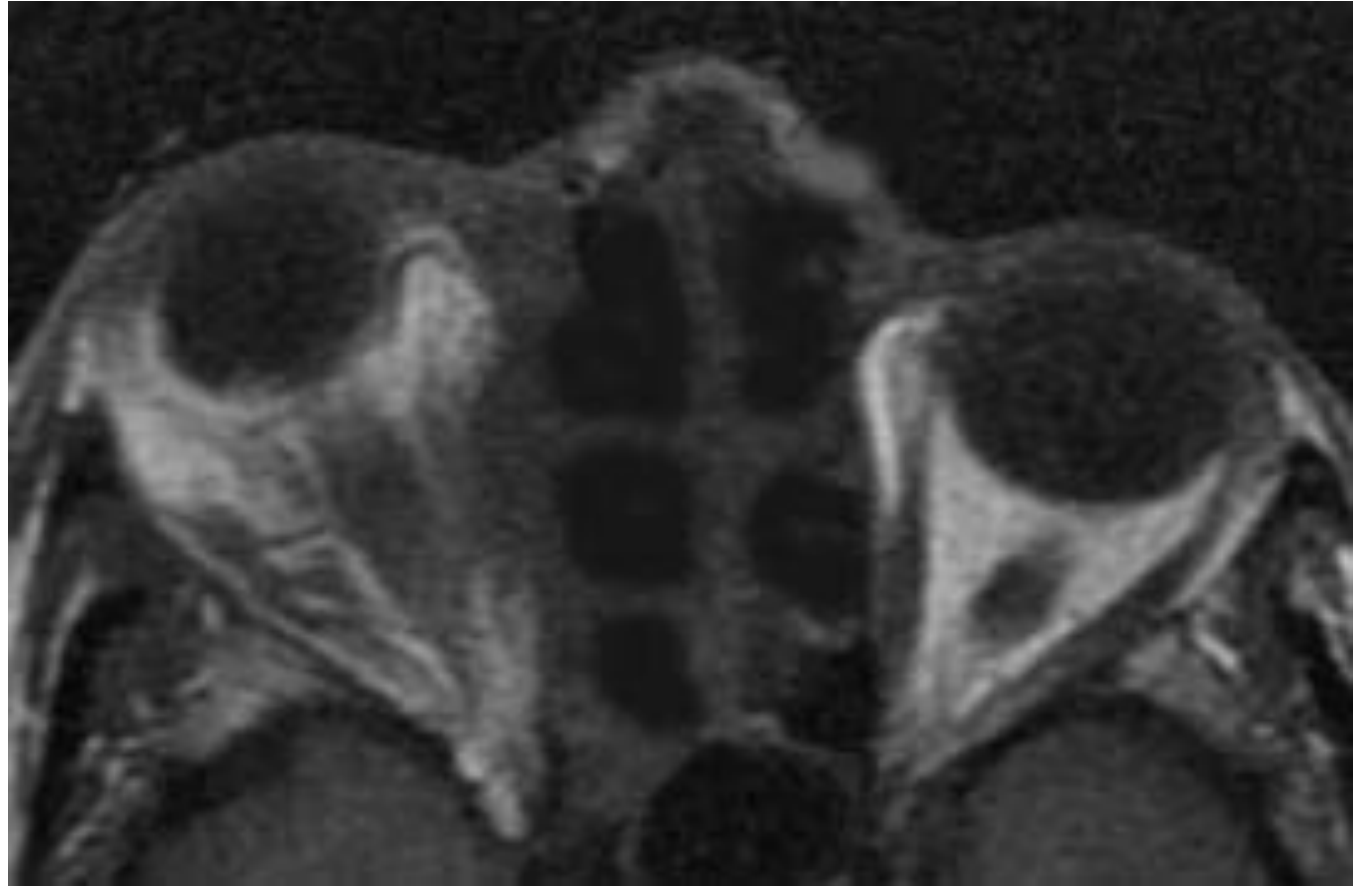
29y old female. Diplopia 1w ago



# Orbital Pseudotumour

Hist. painless Lt upper lid swelling increased to close the eye in 1 week, followed by binoc. Diplopia & Lt proptosis 16/20mm.

CT brain normal,  
Lt intra-orbital shadow.  
CBC: Eosinophilia.



2 weeks with ttt



# *Diagnosis*

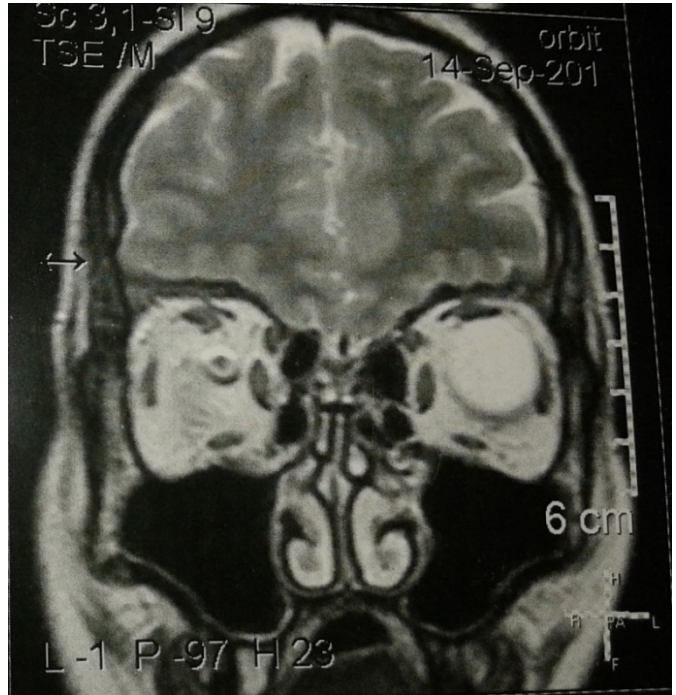
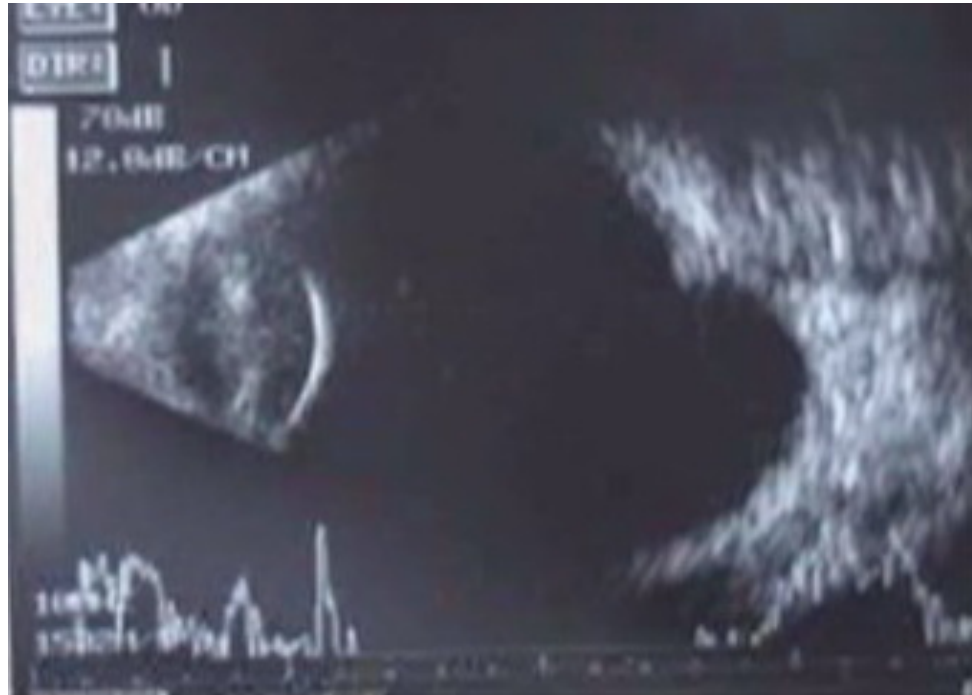
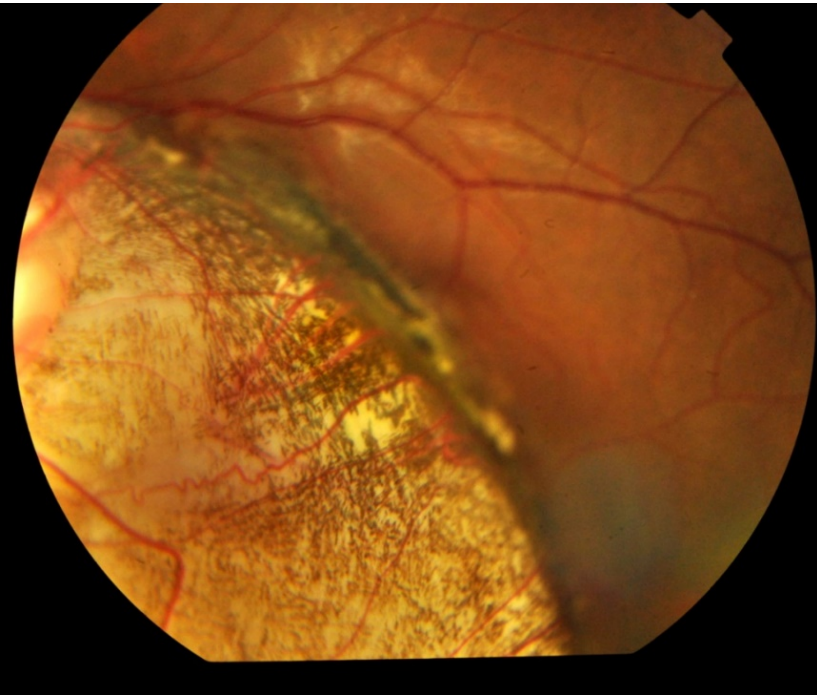
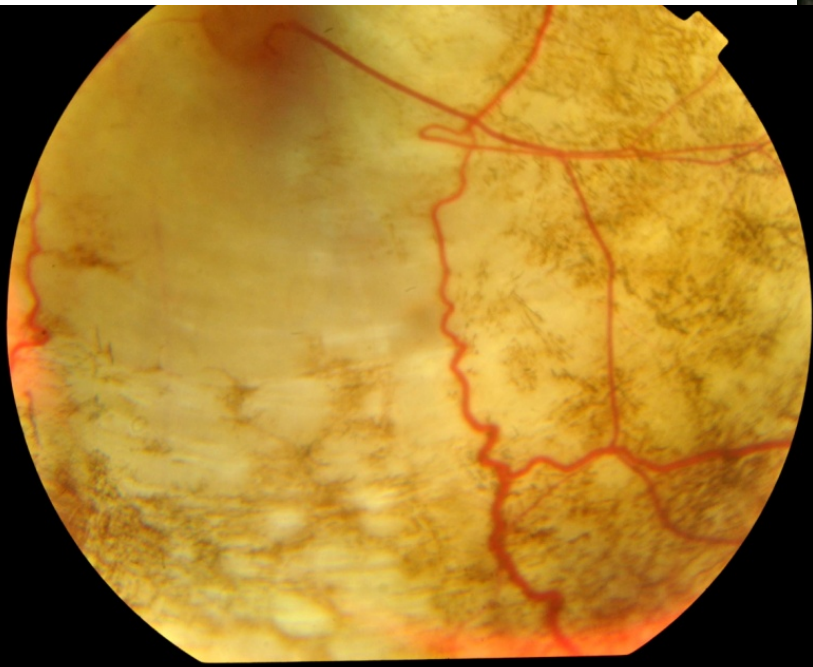
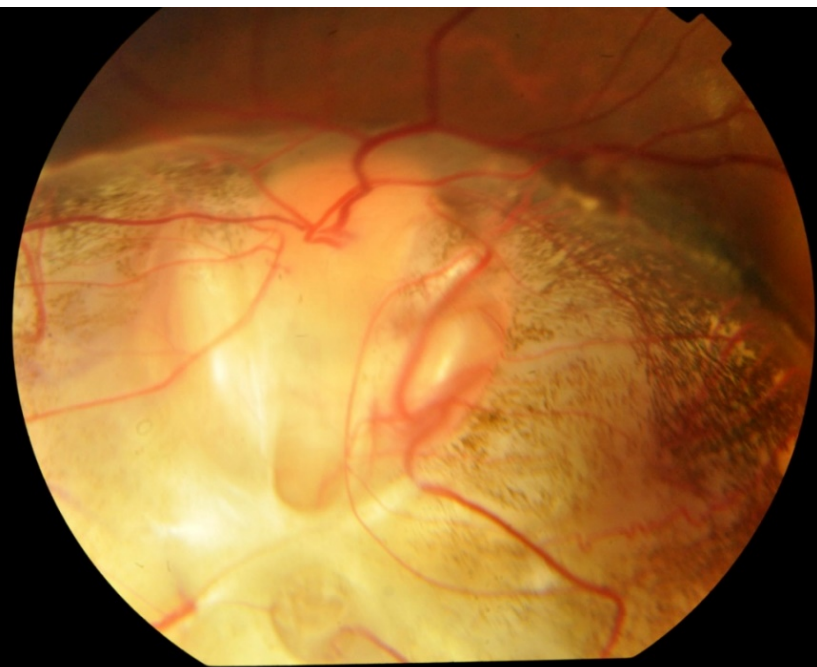
## **Esotropia**

**Lt 6<sup>th</sup> NP (Mechanical)  
(Space occupying lesion)**



19y old girl. Lt Eso surq 10y. Rt:000 Lt:-22.00







# *Diagnosis*

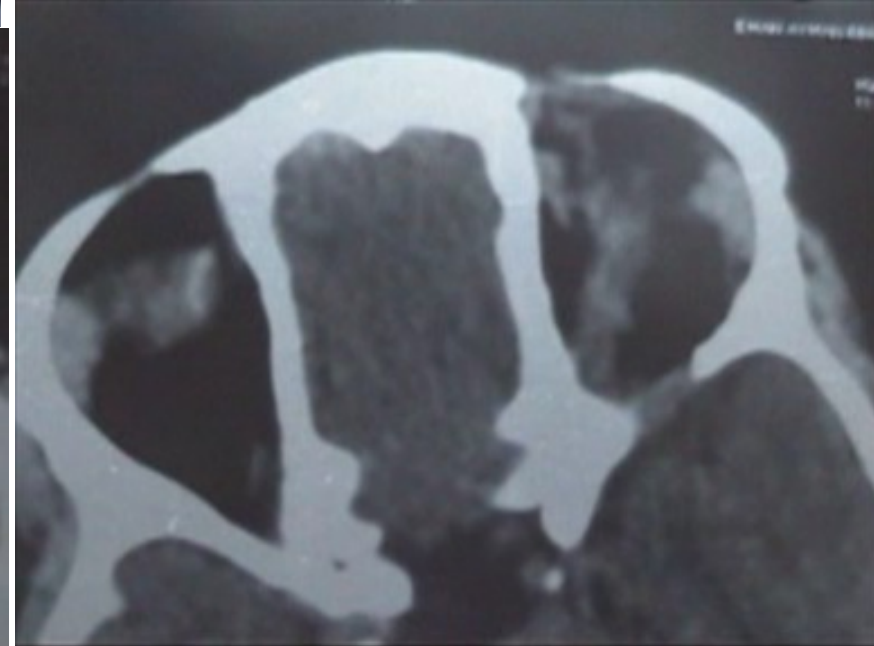
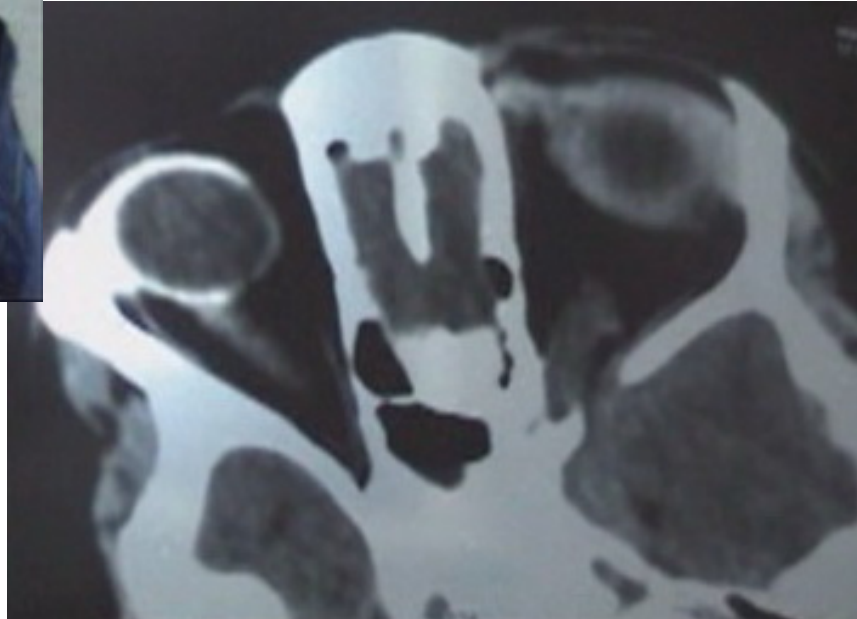
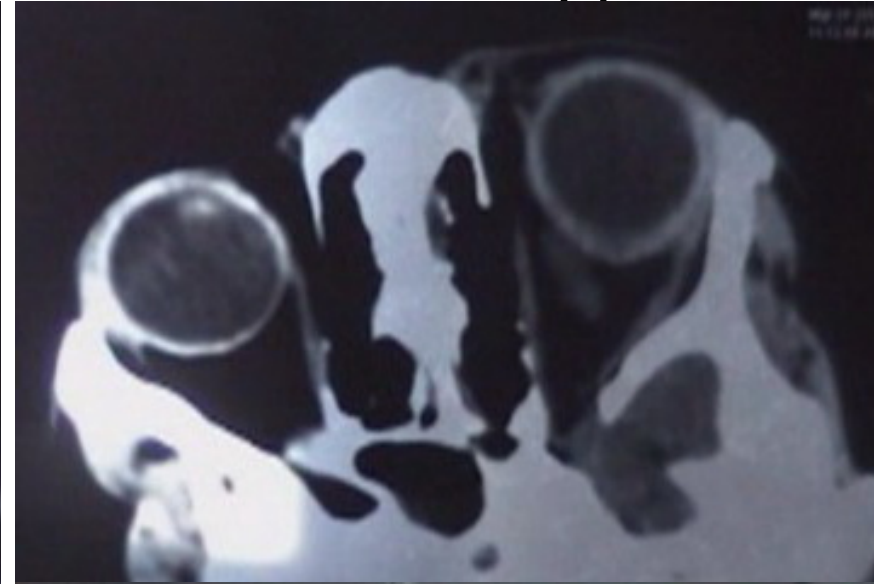
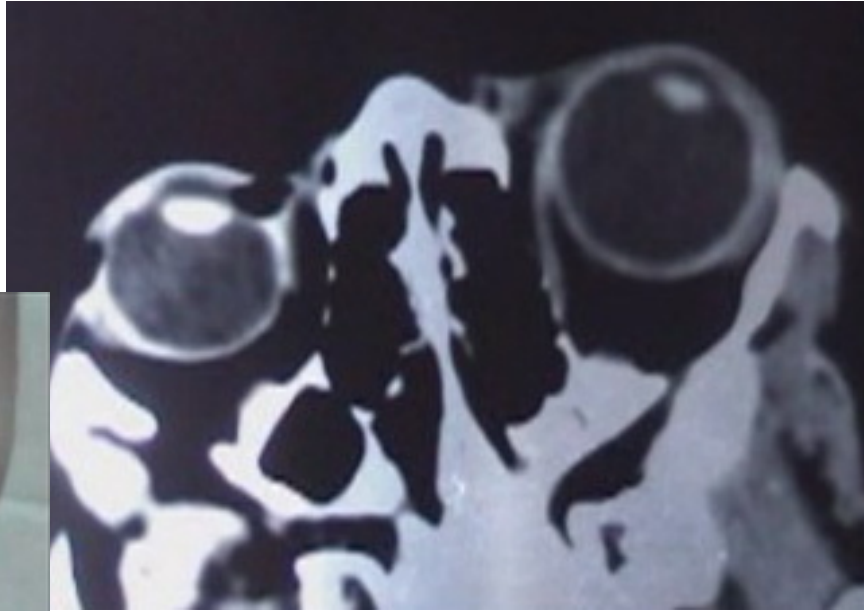
**Recc Esotropia  
Heavy Eye Syndrome**

**Lt Posterior Staphyloma  
High Myopia & Disc Coloboma**

3y old girl. Rt:+2.00 Lt:-8.00-2.50/170



# Abdomen & CT Neurofibromatosis type 1



# MRI Bil optic nerve glioma

## Swollen Lt SR Bil multiple focal areas of signal alteration

المستشفى العسكري العام للعائلات بغمرة  
قسم الأشعة التشخيصية  
وحدة الرنين المغناطيسي والأشعة المقطعية

NAME: Eman Ayman Ebrahim (10415)  
DATE: 26/11/2012

### REPORT

#### MRI of the brain & orbit :-

The study was performed on a 1.5 Tesla super conducting system.

Variable pulse sequences were taken before and after Gd-DTPA injection.

#### Brain Findings:

- Bilateral multiple focal areas of signal alterations are seen in the both cerebellar hemispheres , left middle cerebellar peduncle , left globus pallidus , the right side of the pons and in both medial aspects of the temporal horn of the lateral ventricles.
- No shift of mid-line structures.
- Normal site, size and shape of the ventricular system.
- No intra-cranial haematoma or extra-axial collection
- NB. bilateral maxillary, sphenoidal and to a lesser extent ethmoidal sinusitis .

Orbital findings: (With suboptimal examination due to uncooperative patient however the orbital examination reveals :

- The right optic nerve is thickened shows an oval shaped lesion in its intraocular portion exhibits hypersignal in T2 and iso to hypersignal in T1 with homogenous enhancement after contrast injection .. suggestive of optic nerve glioma
- The left optic nerve is thickened and tortuous, a focal area of altered signal is seen in the left side of the optic chiasma extending to the left optic nerve , exhibits hypersignal in T2 and iso to hypersignal in T1 showing homogenous enhancement after contrast injection suggestive of glioma
- Swollen left superior rectus muscle with unclear surrounding extraocular fat.
- **NB:** repetition of the orbital MRI examination with contrast is highly recommended to confirm our diagnosis and to exclude diffuse plexiform neurofibromas of the left orbit

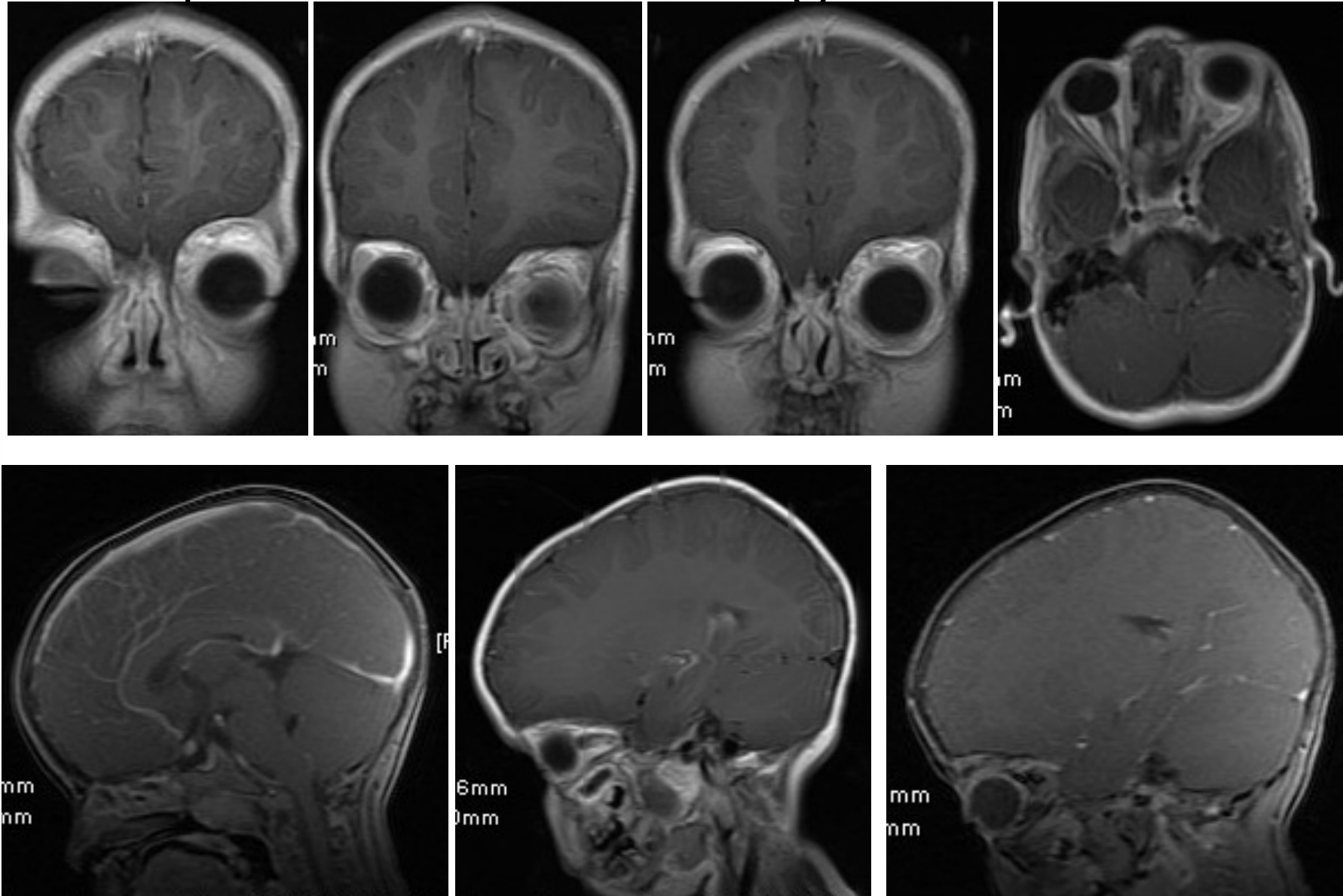
#### Opinion:

Picture suggestive of Neurofibromatosis type I

MUCH OBLIGED

Dr./ Beshoy Nasef

Dr./ Ahmed Deif ...MD

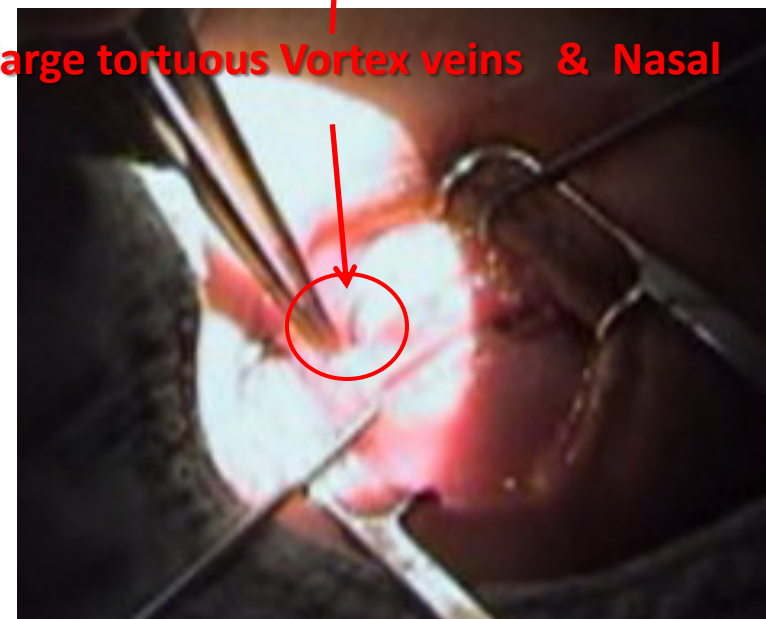
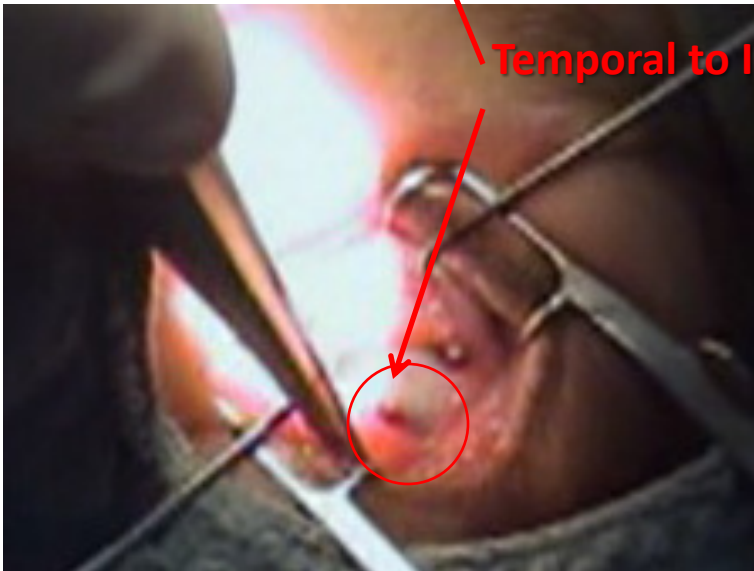
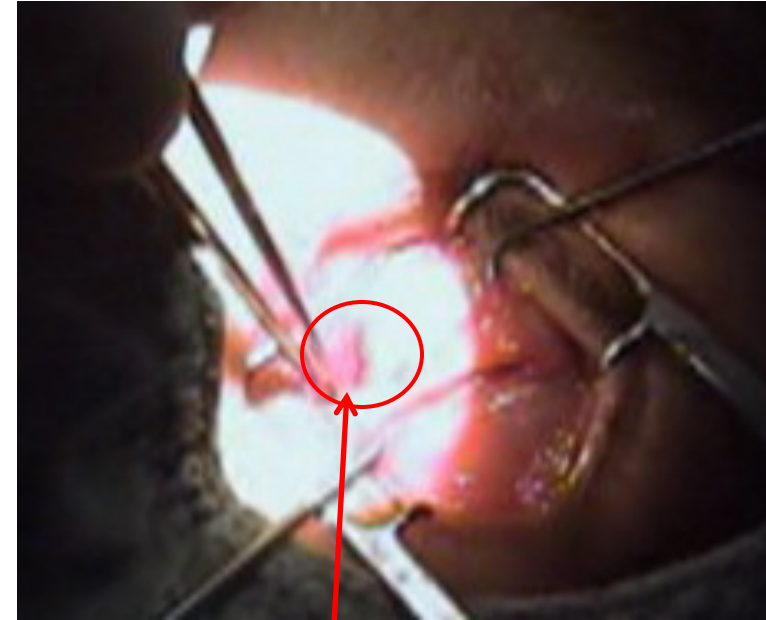
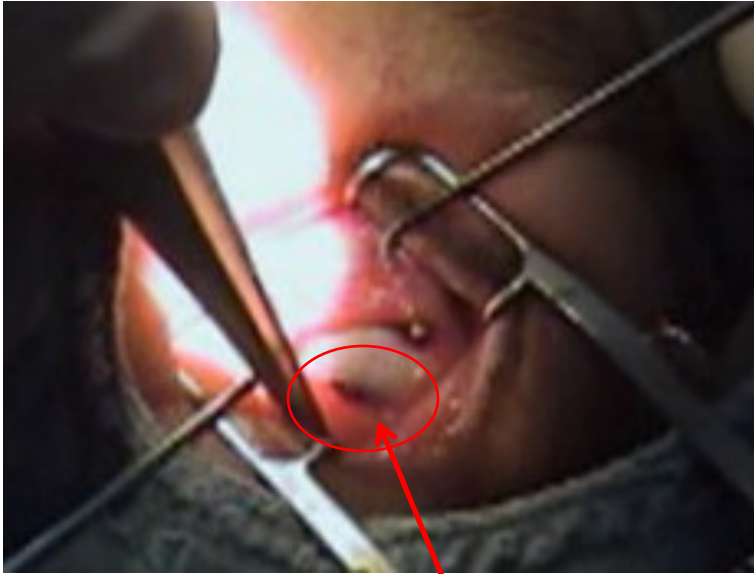




3 months



# Intra-Op IR & VV



Temporal to IR very large tortuous Vortex veins & Nasal



6.5y post op



# *Diagnosis*

**Esotropia**

**Neurofibromatosis  
& Optic Nerve Glioma**

8m old boy (twins) Preterm 28w/gp 1.1kg/bw 1m/O2



# Fundus



At 1y old



1y Post Bi-MR Botox Injection 5y





# *Diagnosis*

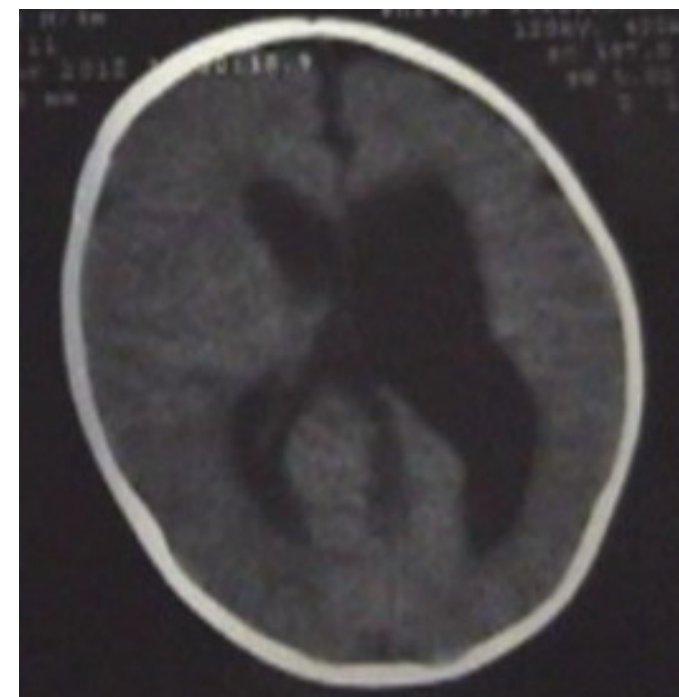
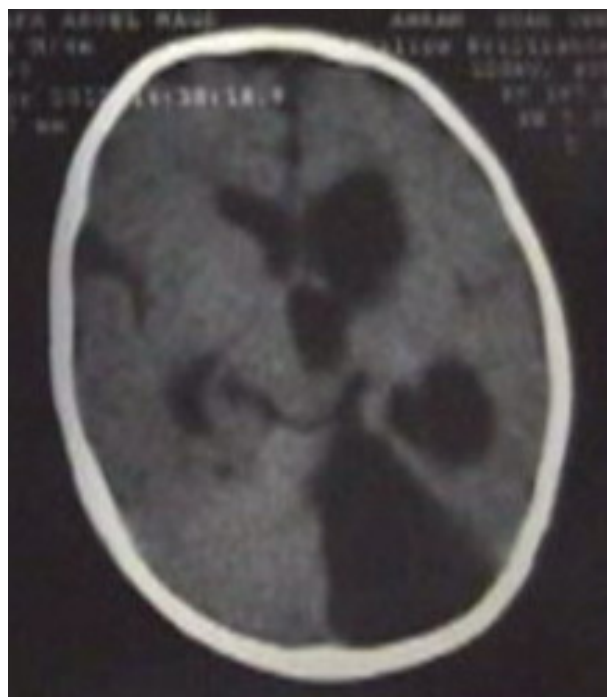
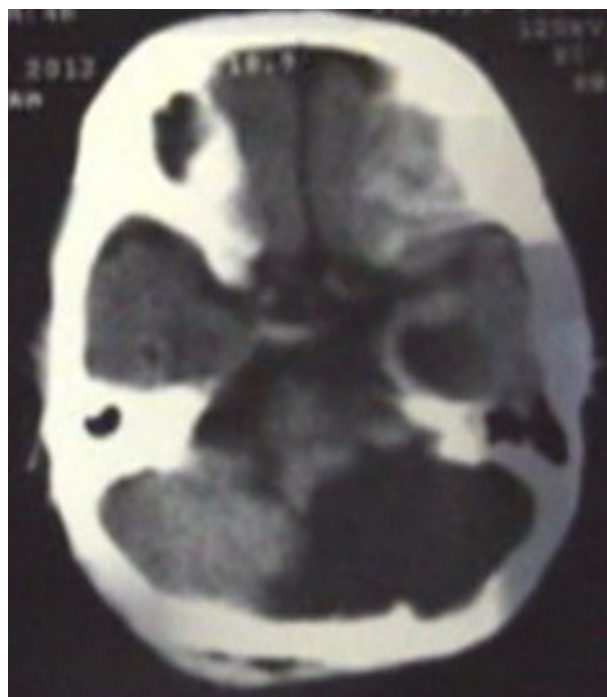
**Esotropia**

**Remnant Hyaloid Artery ROP??**

4m old boy. Rt waxy disc fixed pupil Ref.:+5.00







# *Diagnosis*

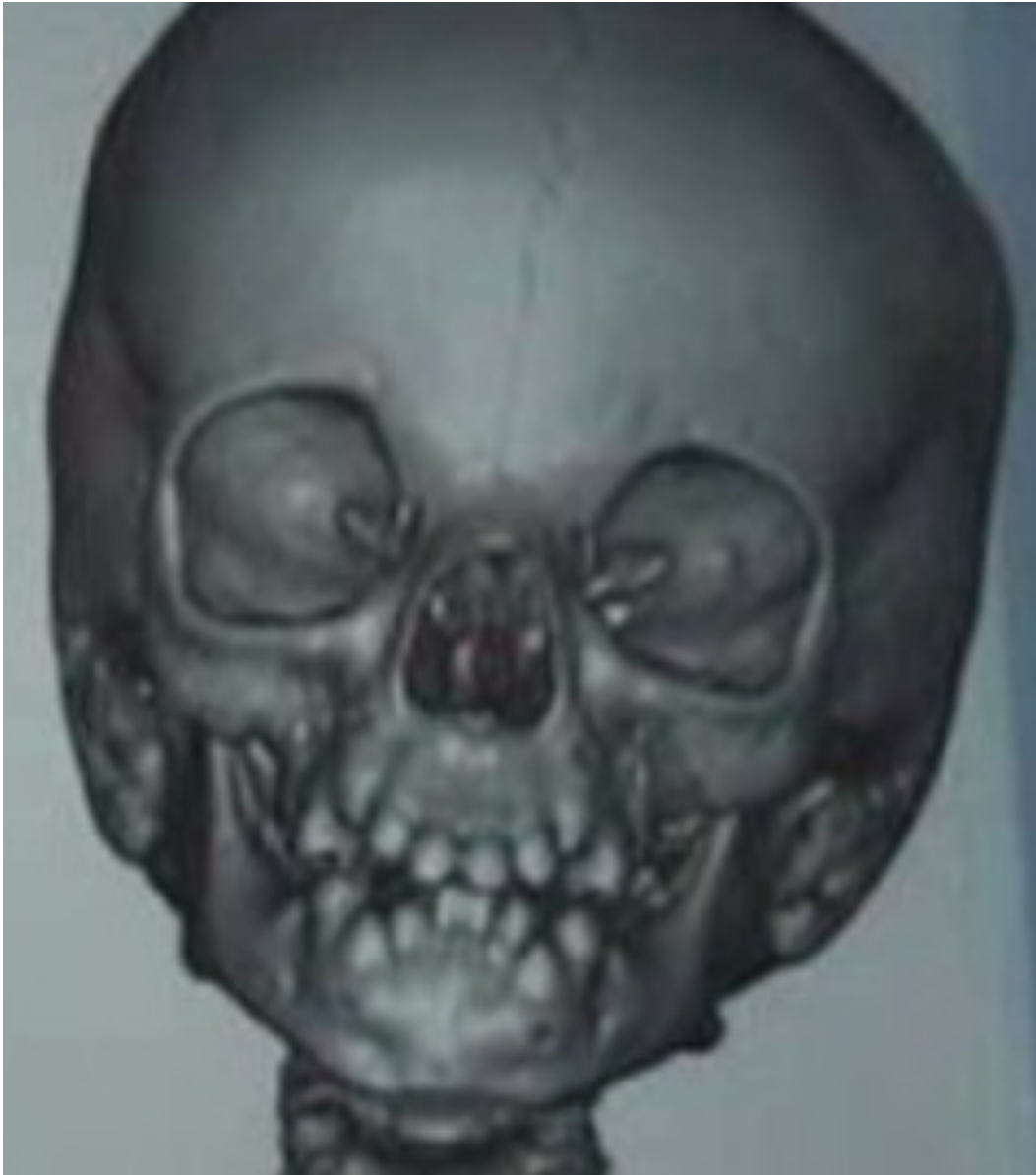
**Rt Exotropia & Hypotropia**

**Cerebral Atrophy**

2y old girl. Craniofacial anomaly??



2y old girl. Craniofacial anomaly??





2m post op



# *Diagnosis*

**Exotropia**

2y old girl



# *Diagnosis*

**Exotropia**

**Facial Anomalies Goldenhar ??**

**Hypertelorism**



*Thank you*