



Financial Diclosure

5 P#FMWBOU#JDBODJBM# JODESN BUPO#P#EJIDNPTF

Watery Eyes in Children

Nasolacrimal **Duct Obstruction** Delay in maturation of lacrimal Usually resolves by 12 months of age Antibiotics avoided unless evidence of conjunctivitis

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Nasolacrimal Duct Obstruction

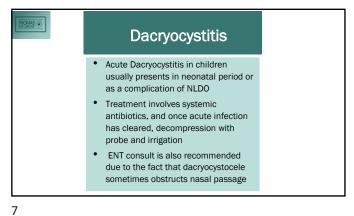
- Increased tear meniscus
- +/- crusting/matting of lashes
- +/- mucopurulent discharge
- Skin around eye may become red and excoriated
- Eye remains white unless complicated by secondary conjunctivitis
- If persistent past 11 months of age, will need probe and irrigation



Dacryocystitis

- Infection or inflammation of nasolacrimal sac
- Presents with swelling, tearing, and discharge
- Swelling is below medial canthal tendon->infected dacryocystocele
- If above, there is concern for encephalocele->neurosurgery referral





Cellulitis Can occur from extension from paranasal sinuses, face/eyelids, dacryocystitis, dental abscess, intracranial abscess • Can be pre-septal or orbital

Pre-septal

- Confined to eyelids and periorbital structures anterior to orbital septum
- 80% of kids less than 10 yrs
- Periorbital edema, erythema, warmth, tenderness, pain, +/- fever



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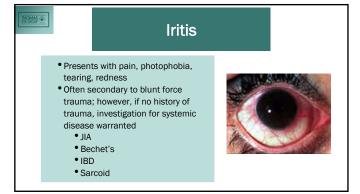
Orbital

- · Infection of orbital tissues posterior to the orbital septum
- · Symptoms similar to pre-septal cellulitis with the addition of proptosis, chemosis, EOM restriction, +/- decreased vision, +/- RAPD, +/- optic nerve involvement



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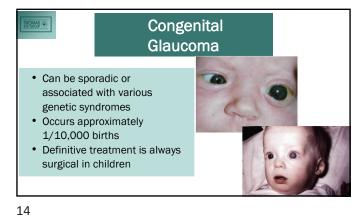


Primary Congenital Glaucoma Developmental abnormality of the trabecular meshwork

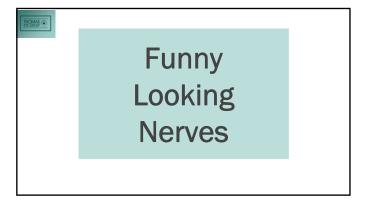
- characterized by:
 - Presentation within first 2 years of life
 - Epiphora
 - Globe enlargement (buphthalmos)
 - Corneal edema or opacification
 - Breaks in Descemet's membrane (Haab striae)
 - Myopia with astigmatism
 - Optic nerve damage

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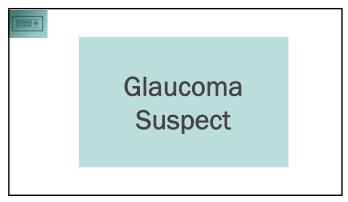
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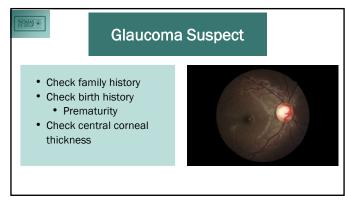


Optic Nerve
Hypoplasia

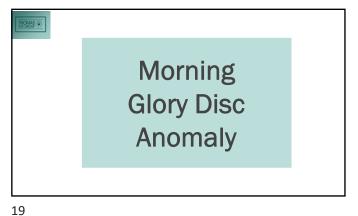
Variable visual acuity range
Unilateral or bilateral
Work up necessary even if
unilateral
Endocrine referral is a must

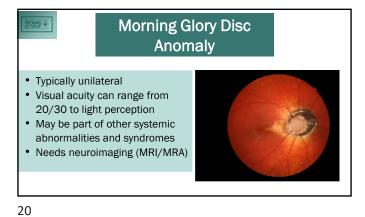
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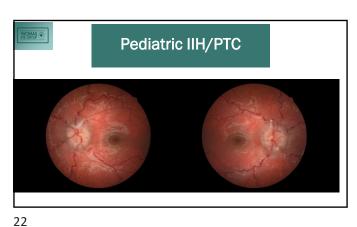


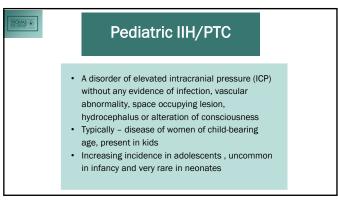
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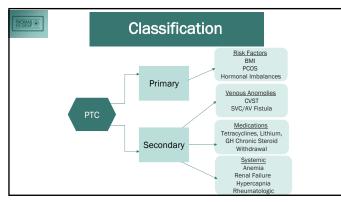


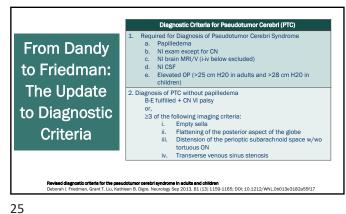






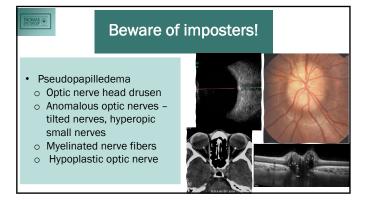






Symptoms Worse in the morning
 Aggravated by Valsalva manuevers
 Global May or may not improve with OTC TVOs Visual changes Blurred vision -> hyperopic shift
 Metamorphosia -> retinal folds
 Enlarged spot, field loss VA and colors preserved until late Pulsatile tinnitus Diplopia (Double vision) Facial palsy 25% asymptomatic

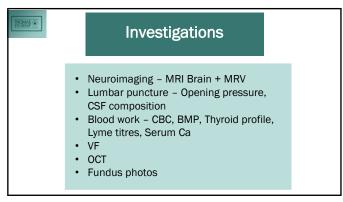
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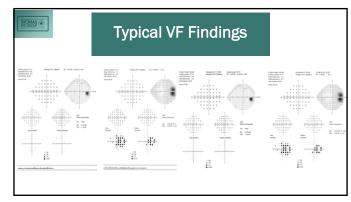


MRI Findings Posterior globe flattening Partially empty / Empty sella Narrowing of transverse sinus

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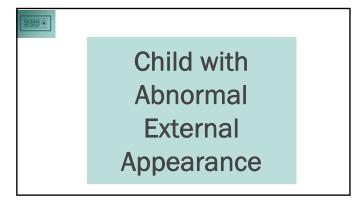


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Pediatric IIH – not that uncommon
Important to rule out
pseudopapilledema
Rule out secondary causes
VF, OCT aid in diagnosis and
management
Acetazolamide is the mainstay of
medical treatment
Surgical options

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Ptosis

 Congenital vs Horner's
 History important
 Review old pictures
 Different severity of ptosis
 Ptosis is often mild in Horner's
 Pupil abnormalities should not be present with congenital ptosis
 Myogenic
 Autoimmune vs Genetic

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