

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
الْحَمْدُ لِلَّهِ الَّذِي
خَلَقَ السَّمَوَاتِ وَالْأَرْضَ
وَالَّذِي جَعَلَ الْمَوْتَ
وَالْحَيَاةَ وَالَّذِي
يُعِيدُ النَّاسَ
وَالَّذِي يُدَبِّرُ
الْأَمْرَ وَالْحَمْدُ
لِلَّهِ رَبِّ الْعَالَمِينَ

**A Severe bacterial infection
simultaneous with
influenza A & B**

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TEHRAN

Causes of periorbital cellulitis (P.C)

- Under 5 y.o usually**

- Most common ways**

Bacteria get inside skin

1) Scratches

2) Bug Bites

3) Sinus infections that spread

4) Injuries or traumas to the area around the

- Not contagious even from one eye to other eye

Dx & P.G → eye & area around it.

Hx → for trauma ...

Blood tents & B/C ...

Imaging : CT-scan & MRI

help distinguish between

Periorbital cellulitis and orbital cellulitis

Orbital Cellulitis

↳ An infection involving the contents of the orbit (adipose and muscle)



Etiology

- Children > Adults
- Bacterial rhinosinusitis (most common)
- Orbital trauma with fracture/foreign body
- Dacryocystitis
- Teeth, middle ear, face infection
- Infected mucocele

Management

- Broad-spectrum antibiotics (e.g. vancomycin + piperacillin-tazobactam)
- Surgery

Clinical feature	Preseptal cellulitis	Orbital cellulitis
Eyelid swelling (w/w/o erythema)	Yes	Yes
Eye pain/tenderness	May be present	Yes, deep eye pain
Pain with eye movements	No	Yes
Proptosis	No	Usually, may be subtle
Ophthalmoplegia (+/- diplopia)	No	Yes
Vision impairment	No	May be present (Afferent pupillary defect)
Chemosis	Rarely present	May be present
Leukocytosis	May be present	May be present

Treatment & Management

P.C → A.B. (depend on severity)

Oral → IV therapy & rest

Wash cuts (warm water & soap)

Keeping clean : teaching child

**Prognosis 48h after treatment about
swelling & discoloration better.**

Ref : royal children's hospital melborne

Red flags (orbital cellulitis)

- 1 Painful or restricted eye movements**
- 2 Visual impairment : diplopia relative afferent pupil defects**
- 3 Reduced acuity proptosis**

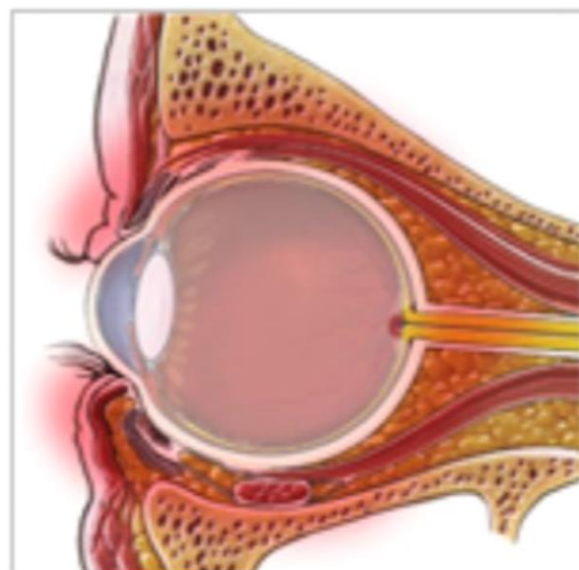
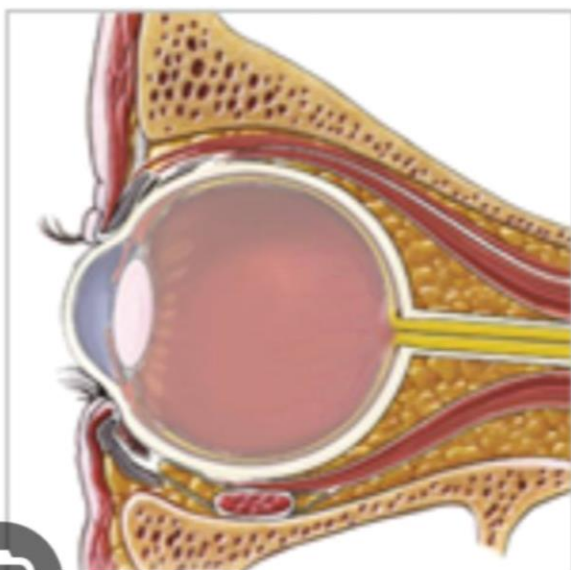
- 4 Sever headache or other features of intracranial involvement**
- 5 Vision loss**
- 6 Bleeding**
- 7 Pain in or around the eye**
- 8 Worsening swelling**

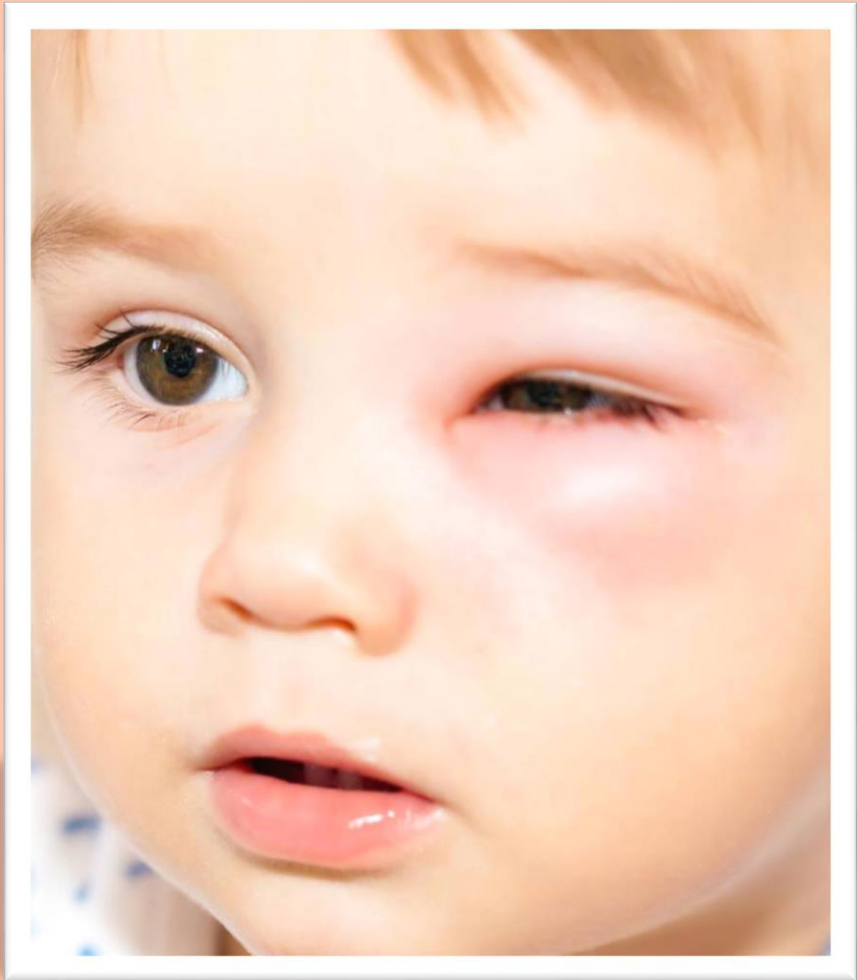


Normal eye

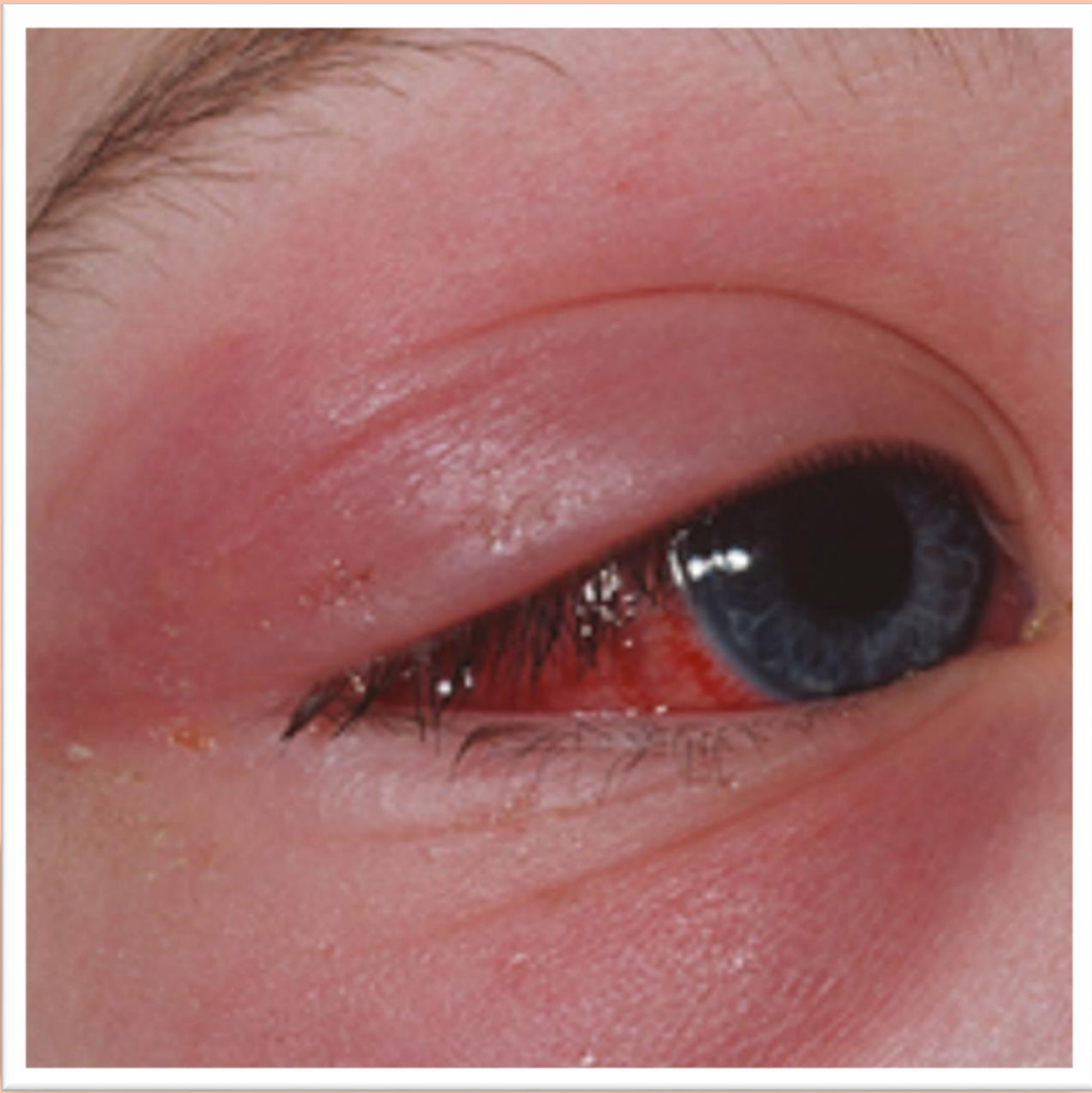


Periorbital cellulitis











THANKS

