Common disorders of the lacrimal system; acute & chronic dacrocyctitis & congenital NLD blockage

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Learning objectives

• By the end of this lecture the students should be able to:
• Name the commonly seen disorders of the Lacrimal system
• Identify a case of acute and chronic dacrocystitis and congenital nasolacrimal duct blockage on the basis of clinical presentation.
• Describe the management protocol for acute and chronic dacrocystitis and congenital nasolacrimal duct obstruction
Common disorders of the lacrimal system

• secretory part - diseases of the lacrimal glands
• Lacrimal drainage system
Lacrimal gland disorders

- Rare
- Among them inflammatory disorders are the commonest; dacroadenitis (mumps, influenza, infectious mononucleosis)
- Dacrops; retention cyst of the lacrimal gland
- Tumours; pleomorphic adenocarcinoma (mixed tumour) resembles tumours of the parotid gland.... Presentation?
Disorders of the lacrimal passage

• Common
• Commonest in infants and females over 40 yrs
• Dacrocystitis
  – Acute
  – Chronic or acute on chronic
• Congenital NLD blockage
Let us see a case

• A 42 year old female presented to the OPD with the complaints of watering from her left eye for the last 06 years, more so in winter and windy weather. She also gives history of intermittent purulent discharge form the eye. She had sort the advise of an eye specialist two years ago when according to the patient a wash-out of the tear duct was done after instillation of anesthetic drops in the eye. The lady is a school teacher and has history of chronic sinusitis and nasal obstruction.
Analyze your clinical data

• Female
• 42 year old
• School teacher
• C/O
  – Watering and discharge from the left eye -06 yrs
• HOPI
  – Symptoms aggravated in winter and windy season (what is the relevance to her profession)
  – Has had some treatment 02 yrs ago by an eye specialist under local anesthetic drops
• Past History
  – Chronic nasal obstruction and sinusitis
• Which system of the eye is involved?
• What clues do you have for confirmation within the history?
• What is your provisional diagnosis?
• How can you confirm it?
• What can you do management?
• Aims of management
  – Relieve the symptoms
  – Treat the cause
• What complications can you expect in such a case?
What are we dealing with

- Chronic dacrocystitis
• A 2 months old baby is brought by her mother to the OPD with the complaints of watering and mucopurulent discharge from the right eye since birth. The baby was prescribed some antibiotic eye drops by a GP with which the discharge disappeared but the watering continued.
• List the symptoms
• List the signs
• Explain the symptoms
  – Why?
  – How?
• Can you work out the management framework?
• massage of the lacrimal sac till the age of 4-6 months
• “Probing” under general anesthesia if massage fails
• By the age of 03 yrs dacrocystorhinostomy