

Dacryoadenitis

- inflammation of the lacrimal gland (main or accessory)

Etiology

- Infection
 - Viral most common
 - Epstein-Barr most common
 - Adenovirus
 - Varicella Zoster
 - Herpes Simplex
 - Rhinovirus
 - Cytomegalovirus
 - Mumps
 - Bacterial
 - Staph aureus
 - Streptococcus
 - Tuberculosis
 - Fungal
 - Parasitic
- Autoimmune
 - Thyroid eye disease
 - [Sjögren's syndrome](#)
 - IgG4 related disease
 - Granulomatosis with polyangiitis
 - Idiopathic orbital inflammation
 - Sarcoidosis
- Neoplasms
 - Lymphoma
 - Adenoid cystic carcinoma
 - Pleomorphic adenoma

Symptoms and Signs

- Symptoms
 - Pain in the superior lateral orbit with touch or eye movements
 - Droopy upper lid
 - Difficulty opening lid
 - Eye redness
 - Diplopia
 - Malaise

- Signs
 - tenderness, edema, erythema, induration in superior lateral orbit
 - lid ptosis
 - conjunctival injection with or without chemosis
 - regional lymphadenopathy
 - proptosis
 - limitation of ocular motility
 - Vision loss rare
 - Fever

Testing

- Imaging
 - CT orbits- for adults and older children
 - Chest radiograph (if considering sarcoidosis)
 - MRI orbits- for children and in recurrent disease in adults
- Laboratory studies to consider
 - CBC with differential
 - ESR and/or C-reactive protein- evaluate inflammatory response
 - Conjunctival swab for viral PCR
 - ANA
 - SSA/SSb antibodies
 - Serum IgG4
 - Thyroid function test
 - Thyroid autoimmune antibodies
- Biopsy
 - transeptal or trans-conjunctival biopsy of lacrimal gland in severe, persistent (>3months) or recurrent case

Treatment

- Surgery for abscess or mass
- Antibiotic for bacterial infection
 - Consider first
 - Augmentin
 - Cephalexin
 - If not responsive consider covering for methicillin-resistant *Staphylococcus aureus*
 - Ciprofloxacin or other fluoroquinolone
 - Trimethoprim-Sulfamethoxazole
 - Clindamycin
 - Vancomycin
- Oral Corticosteroids for idiopathic cases
- Methotrexate or rituximab for refractory cases
- Orbital radiation for refractory cases

Resources

Eye Wiki

From:

<https://childreneye.org/wiki/> - **Children's Eye Wiki**

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