

## **Acute Dacryoadenitis following Adenoviral Keratoconjunctivitis**

**Purpose:** To report on a case of acute dacryoadenitis following serological confirmed adenoviral epidemic keratoconjunctivitis.

**Method:** A 32 year old lady who presented with bilateral painful red eyes. This was confirmed clinically as epidemic keratoconjunctivitis. Soon after onset there was bilateral swelling of the lacrimal glands with associated pain. Serological testing was performed and conjunctival swabs were taken. A lacrimal gland biopsy was undertaken to exclude malignancy. The patient was treated with topical steroids for the keratoconjunctivitis as well as oral steroids for the acute dacryoadenitis. Topical ocular anti-hypertensives were employed to treat the associated rise in intraocular pressure.

**Results:** Adenovirus infection was confirmed by positive IgM to adenovirus and adenovirus PCR being positive on conjunctival swab. Lacrimal gland biopsy showed a mixed inflammatory infiltrate consistent with dacryoadenitis with no evidence of malignancy. The patient made a gradual recovery with resolution of her lacrimal gland swelling and keratoconjunctivitis.

**Conclusion:** This is the first reported case of dacryoadenitis secondary to adenoviral keratoconjunctivitis. Adenovirus should be considered in patients who present with 'idiopathic' acute dacryoadenitis.