

(X) R1 ( ) R2 ( ) R3 ( ) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( )  
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Service (sector) Trauma N° CEP

### **Diffuse lamellar keratitis after eyelid dog bite**

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**Purpose:** To describe a case of post-traumatic diffuse lamellar keratitis following a dog bite of the eyelids.

**Methods:** Interventional case report.

**Results:** A 34-year-old male presented at the Ocular Emergency and Trauma section of the Department of Ophthalmology, Federal University of São Paulo with decreased visual acuity, 3 days after a dog bite involving the left superior and inferior eyelids. •Patient had undergone LASIK procedure in both eyes 5 years before then. Biomicroscopy revealed moderate conjunctival hyperemia, linear epithelial defect at the edge of the flap, and diffuse, dot-like, whitish granular haze in the LASIK interface. Topical 0.5% gatifloxacin and 0.1% dexamethasone were prescribed with improvement in signs, symptoms, and visual acuity. At the end of the second week of treatment an epithelial ingrowth onto the interface was detected. Surgical debridement was not performed because lesion did not involve the visual axis during the 3-month follow-up.

**Conclusion:** Dog bite of the periocular area can cause late LASIK complications including diffuse lamellar keratitis and epithelial ingrowth.