

Video Presentations

Two Dominican Cases of Periorbital Necrotizing Fasciitis following Alcohol-related Trauma

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Objective: To report two cases of periorbital necrotizing fasciitis due to alcohol-related ocular trauma in two otherwise healthy, immunocompetent Dominican men.

Methods: Two healthy men, aged 52 years and 59 years, presented to the Princess Margaret Hospital in Dominica with left and right periorbital swelling and erythema, respectively. Both men had sustained periocular trauma while intoxicated with alcohol and presented within three days of injury with progressive tense swelling of the affected eyelid and decreased vision. The initial diagnoses in both cases were periorbital cellulitis, a much more commonly encountered condition. However, the clinical progression and the sloughing appearance of the wounds raised the suspicion for necrotizing fasciitis. The patients were started on early intravenous antibiotic therapy and underwent surgical debridement.

Results: Debridement of the eyelids revealed soft-tissue necrosis with full-thickness skin loss down to the orbicularis muscle and multiple collections of pus. With early medical and surgical intervention, the necrotizing fasciitis resolved in both cases with preserved visual acuity and minimal residual cosmetic defects.

Conclusion: Necrotizing fasciitis is a rare but potentially fatal soft-tissue infection that requires early diagnosis and intervention with broad-spectrum parenteral antibiotics and aggressive surgical debridement. A high index of suspicion may be needed for periorbital skin infections secondary to alcohol-related trauma.

Complex Anterior Segment Surgery

B Khan

*Clarity Eye Institute, 8800 Dufferin Street
Vaughan, Ontario, Canada*

Anterior segment surgery has evolved just past routine cataract surgery. Advancing technology and techniques have enhanced surgeons' capacities to perform complex surgery including dislocated and traumatic cataracts, iris reconstruction and intraocular pressure dislocations. This talk will present techniques utilizing but not limited to femtosecond laser technology, advanced suturing techniques, pearls, and tricks to manage complex cases.

Applications of Femtosecond Laser in Cataract and Anterior Segment Surgery

B Khan

*Clarity Eye Institute, 8800 Dufferin Street
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Femtosecond laser has become an adjunctive modality in the performance of cataract surgery. This talk will review the steps that femtosecond laser can perform as well as discuss the relative indications and contraindications of the technology. Furthermore, this talk will present some unique scenarios where femtosecond laser can be used in complex cataract cases.

Caribbean Association of Ophthalmic Technical Personnel (CAOTP)



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