



CE #: 805 Origination: 5/2016 Revised Dates:



Fig. 1. Roper-Hall burn classification. After Bunker DJL, "Alkali Related Ocular Burns,

A Case Series and Review" J Burn Care Res 2013; [Epub]

Grade	Cornea	Limbus	Prognosis	Stem Cells
I	Corneal epithelial damage	No limbal ischemia	Excellent	Little or no loss
II	Corneal haze, iris details visible	<1/3 limbus ischemic	Good	Subtotal loss
III	Total epithelial loss, stromal haze, iris details obscured	1/3–1/2 limbus ischemic	Guarded	Complete loss, retention of some proximal conjuctival epithelium
IV	Cornea opaque, iris, and pupil obscured	>1/2 limbus ischemic	Poor	Complete loss and loss of proximal conjunctival epithelium

## References:

- 1. Saidinejad M, et al. "Ocular Irrigant Alternatives in Pediatric Emergency Medicine." Pediatr Emer Care 2005; 21 (1): 24-25.
- 2.Ratnapalam, S et al. "Causes of Eye Burns in Children." Pediatr Emer Care 2011; 27:151-156
- 3.Chen AJ, et al. "Epidemiology of infant ocular and periocular injuries from consumer products in the United States 2001-2008." J AAPOS 2013; 17: 239-242
- 4.Fish R, et al. "Management of Ocular Thermal and Chemical Injuries Including Amniotic Membrane Therapy." Current Opinion in Ophthalmology, 2010. 21; 317-321.
- 5. Ehlers, Justis P. and Chirag P. Shah, The Wills Eye Manual. Philadelphia: Lippincott Williams & Wilkins. Print. pp. 12-14.

promote coordination and communication with respect to patient care and may be modified to meet individual care needs. For additional information please contact the Department of Clinical Effectiveness & Quality at 412/692-7645.

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