Comfortably Numb... Management of Neurotrophic Keratitis

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• Kala(C)
Omeros (C)
 Microsurgical Technology (C)
 Sight Sciences (C)
• Tear Lab (C, S)
• Tarsus (C)
• Zeiss (C)
*C = Consultant *S = Speaker Bureau
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A Real-World Case – Pt's NK Tx Summary

- 2nd round of cenegermin for OD only (end of 2nd 8 weeks)
- OD: 20/15-1, clear cornea
- OS: 20/15, clear cornea

Case Courtesy By Scott Hauswirth, OD, FAAO

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Autologous Serum Eye Drops (ASEDs)

- Non-allergenic, non-preserved drops derived from blood serum
- Concentration ranges from 20% to 100%
- Contains components such as EGF, vitamin A, TGF β , neuropeptides

Rao K, Leveque C, Pflughider SC. Conneal nerve regeneration in neurotrophic keratopathy following autologous plasma therapy. Br J Ophthalmol. 2010;54(5):586-91. Young, A. L., A. C. Ocheng, K. K. Ng, L. L. Cheng, G. Y. S. Leung, and D. S. C. Lam. "The Use of Autologous Serum Tears in Pensitent Conneal Epithelial Defects." Eye (London, England) 18, no. 6 (Jane 2004) 670-344 doi:10.1016/j.ineu.000211

- Can induce proper proliferation and differentiation of corneal epithelium
- Corneal nerve regeneration has been documented in NK with use of autologous serum dosed 6-8 times per day for the first month, tapering to qid

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Chen NU, VIEW KI, Isleg SL, Whitoo: memorane transportation for severe neuroroppic comea uccer. In J Upris and J 2003;94(8):805-83. Khokhe S, Naturg T, Sory P, et al. Anniotic membrane transportation in refractory neurotrophic correlations: randomized, controlled clinical trial. Corres. 2005;24(6):855-64 Pade M. et al. Conselence American Transportation for Communication (Correlations). 2000;24(1):1111-1112.















































Once starting hNGF symptoms began to resolve relatively quickly and by week 4 of treatment

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 Thank you

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