



400 mg Acyclovir twice daily vs 500 mg Valacyclovir once

Conclusion: Prophylactic oral VAL treatment is at least as effective as ACV in preventing recurrence in patients who underwent comeal transplantation for HK. The tolerability of the two drugs is similar, but the dosing for VAL might be more comfortable for patients.

EOS 2019

Acyclovir Therapy in Prevention of Recurrent Herpetic Keratitis Following Penetrating Keratoplasty

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- PURPOSE: To compare systemic vs topical acyclovir therapy for the prevention of recurrence of herpetic luratitis following penetrating keratoplasty (PK).
- . DESIGN: A surrespective observational study.
- METHODS: Patients who underwent PK for herpetic are disease (HED) and prophylactically received acyclovic therapy postoperatively, either systemically (26 eyes) or topically (29 eyes), were analyzed. The main paramsters evaluated were recurrence of herpetic keratitis, graft rejection, visual acuity, and graft survival rate.
- RESULTS: Mean average follow-up period was 24.7 = 3.6 months and 25.5 ± 2.3 months in the systemic and topical group, respectively (P = 0.73). The average duration of prophylactic antiviral therapy in systemic group was 16.1 ± 4.8 months and in topical group was 15.1 ± 3.5 months (P = .59). Recurrence of herpetic keratitis was seen in 12% in the systemic group compared to 55% in the topical group (P < .001). More eyes in topical group 15 (52%) had rejection episodes than in the systemic group 5 (19%) (P < .001). A best-corrected visual acuity of ≥ 20/40 was achieved in 31% and 7% eyes in the systemic and topical group, respectively, at the end of two years (P = .002). The clear graft</p>

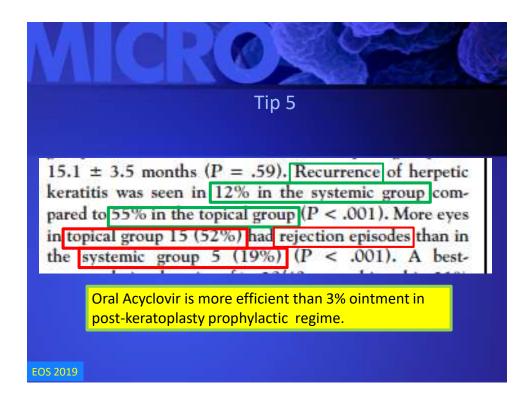
ing PK for herpetic eye disease is mainly attributed to the neutrence of herpes simplex virus (HSV) infection after corneal transplantation. ^{1,6,7} Prophylactic antiviral therapy has been used to prevent the recurrence and relapse of herpetic keratitis after corneal transplantation. The efficacy of systemic and topical acyclovir therapy in the reduction of such episodes has been well documented in the literature. ^{2,8,43}

In the present study, we retrospectively evaluated and compared the efficacy of systemic and topical acyclovir therapy in the prevention of recurrence of herpetic keratria and in the improvement of overall graft survival area in cases of PK performed for HSV related correct diseases.

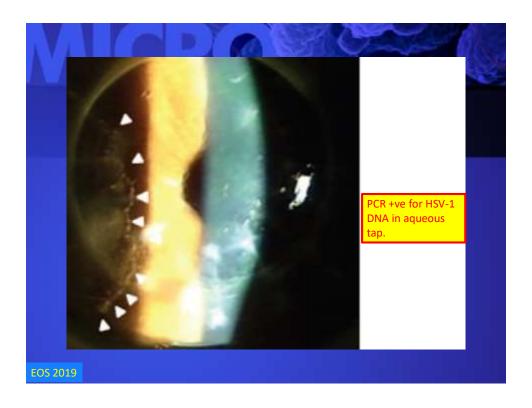
METHODS

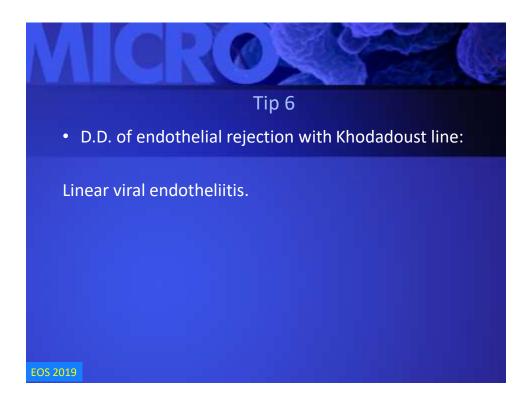
CASE RECORDS OF 55 CONSECUTIVE PATIENTS WHO HAD undergone PK for herpetic eye discuse between June 1995 and June 2005 at our hospital and had received prophylactic antiviral therapy for at least one year postoperatively were analyzed retriapuctively. The prosperative diagnosis of her-

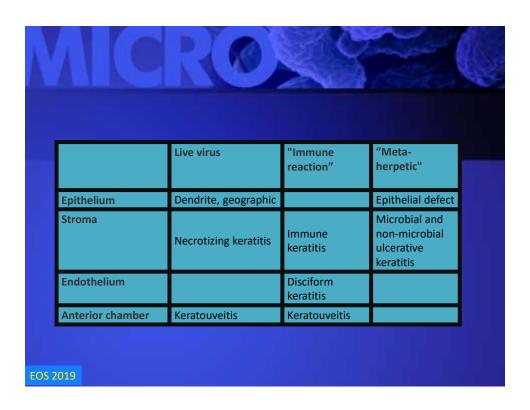
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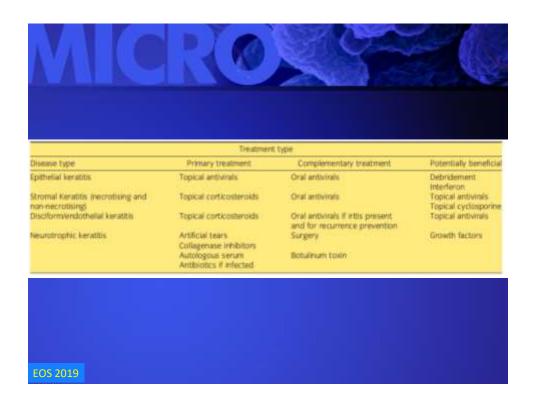


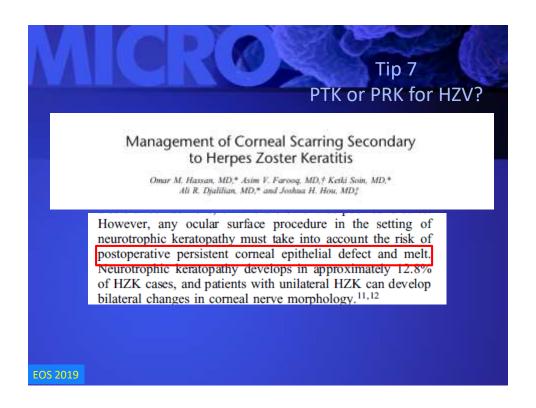


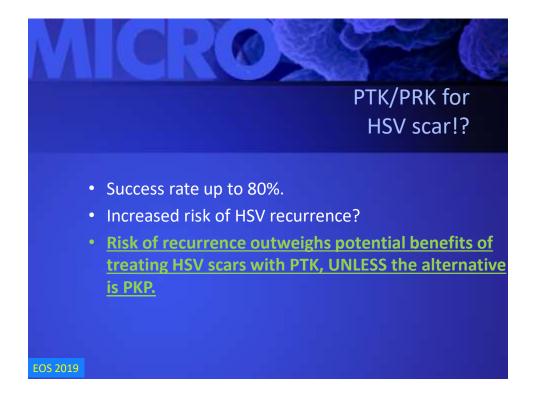






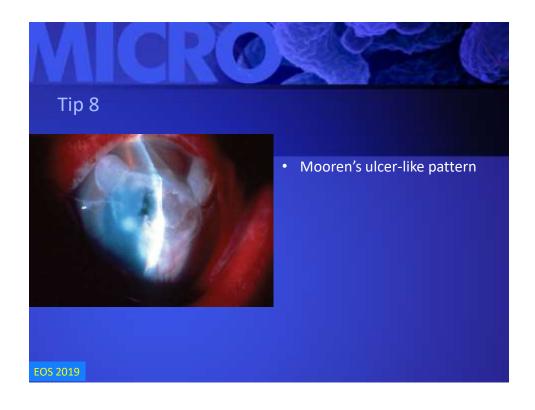




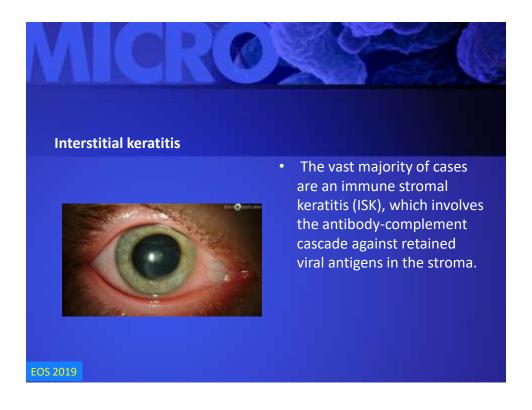


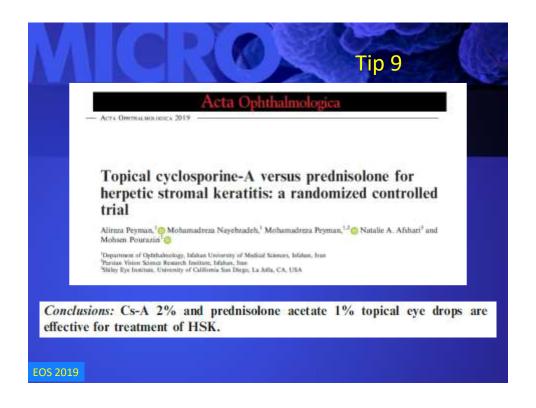


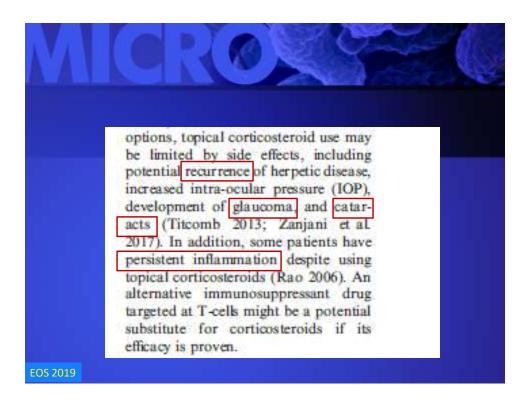








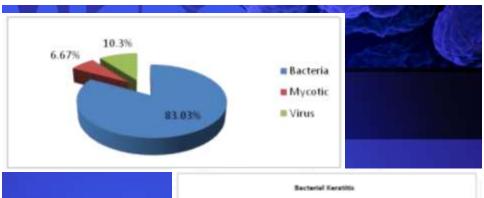












2025 cases from 2000-2010

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