

Ocular Surface Disease Case Study

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Case Presentation:

22 patients were treated for ocular surface disease with no significant improvements

- Patients had early to advanced stage glaucoma
- Patients were on multiple topical glaucoma medications
- MMT for dry eye treatment
- Average age: 59 (16 female, 6 six male)
- Diagnosis of dry eye based on the International Task Force (ITF) Delphi Panel guidelines including:
 - Ocular Surface Disease Index (OSDI) scores
 - Staining with lissamine green or fluorescein
 - Tear Film Breakup Time (TBUT)

Method:

All 22 cases underwent manual corneal debridement using alcohol well with Wexcel sponge

- AmbioDisk[®] 9mm or 12mm was used with a bandage contact lens (BCL) post-op for three to four days
- Tears, antibiotics, and/or steroids were used
- 1-month VA, TBUT, OSDI was measured and ITF change in level was assessed

Outcome:

Decreased severity level of dry eye according to ITF guidelines

Tear Film Breakup Time:

- Pre-op: mean 4.8 seconds – using pipet
- Post-op: mean 9.2 seconds – using pipet

Visual Acuity:

- Pre-op: 20/70 BCVA
- Post-op: 20/30 BCVA

Patients may become happier and more compliant after their symptoms have been treated:

- Amniotic membrane may help with patient satisfaction
- Patients become more compliant with their glaucoma drops
- Patients more willing to go to their follow-up visits after symptoms are addressed



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