Panel: Worst Case Scenario

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I. **Case 1**
   - **a. Background**
     - i. 61 yo M with history of cGVHD 2' SCT for Leukemia
     - ii. Recalcitrant persistent epithelial defect (PED)
     - iii. Referred by cornea specialist in 2008 for scleral lens consultation and treatment
       1. Therapeutic management of PEDs
          - a. Review literature and precedent for approach
          - b. Review avg outcomes
   - **b. Case Details**
     - i. 95% PED with 50% stromal thinning
     - ii. On systemic and topical immunosuppression
     - iii. Overnight wear of scleral
       1. Treatment approach
          - a. Slow healing
   - **c. Case Highlights**
     - i. After more than 2 months
       1. Complete healing unattained
     - ii. At the 3-month mark
       1. Patient passed away
          - a. Complications 2' pneumonia
       2. Thought/Believe then: "Poor protoplasm for sclerals"
   - **d. Personal Experience**
     - i. What would we do differently today?
       1. Role of topical steroids in immunosuppression
          - a. Compromising healing
          - b. Share recent case to illustrate example

II. **Case 2**
   - **a. Background**
     - i. 44 yo F with history of Stevens-Johnson Syndrome (SJS)
       1. Monocular
       2. Successful and stable with sclerals for 12 years
          - a. 19mm
            - i. To protect ocular surface from lid margin keratinization
          - b. BCVA 20/30-20/40
          - c. Replenishment 1-2 x/day
   - **b. Case Details**
     - i. Seeks refitting elsewhere
       1. 16mm

2. Very low vault

ii. Lens settling over time 1-2 weeks
    1. PED
    2. Melt
    3. Glue Repair

iii. Central Bullous edema at baseline
    1. BCVA 20/100
    2. Monocular patient

iv. Strategy
    1. Minimize suction
    2. SJS-Ectasia relationship
        a. High order aberrations

c. Personal Experience

i. Key take aways
    1. Importance of suction in scleral lens outcomes
    2. Keep at top of mind
        a. SJS-Ectasia relationship
            i. Effects still underrepresented in literature and conferences