



## **2015 SUMMER CE SPECTACULAR**

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### **Advances in Corneal Transplantation and Anterior Segment Surgery**

- A. Advances in Corneal Surgery
  - a. Early Challenges
  - b. Current Challenges
  
- B. Endothelial Keratoplasty
  - a. Descemet's Stripping (Automated) Endothelial Keratoplasty (DSEK/DSAEK)
    - i. Patient Preparation
    - ii. DSAEK Donor Preparation
    - iii. DSEK Advantages
    - iv. DSEK Disadvantages
  - b. Descemet's Membrane Endothelial Keratoplasty (DMEK)
    - i. Advantages vs Disadvantages
  
- C. Femtosecond Laser Technology
  - a. Zig-Zag Femtosecond Laser Corneal Transplantation
    - i. Post-operative Appearance
    - ii. Current Results
  
- D. Disease Targeted Transplantation
  
- E. Deep Anterior Lamellar Keratoplasty (DALK)
  
- F. Zig-Zag DALK
  
- G. Ocular Surface & Corneal Surgery
  - a. Current Approach & Management
  - b. Limbal Stem Cell Transplantation
  - c. Artificial Corneal Transplantation
  - d. Boston Keratoprosthesis
  
- H. Corneal Cross-linking
  - a. Origins/First Clinical Study
  - b. FDA Clinical Trials
  - c. Current Cross Linking vs Accelerated/Pulsed Cross Linking