**[Capsulorhexis](http://www.ophed.com/event/3678) Wet Lab**

**Objectives:**

1. Understand the physics of continuous curvilinear capsulorhexis (CCC) creation
2. Understand and demonstrate techniques to successfully create and rescue CCCs.
3. Understand and demonstrate how to enlarge a small capsulorhexis
4. Understand (and demonstrate depending on trypan blue availability) how to stain the anterior capsule with trypan blue, both under air and under viscoelastic
5. Understand how to create a CCC in a morgagnian cataract

**Instruments and supplies:**

* Paracentesis blade
* 0.12 forceps
* Viscoelastic
* Keratome blade
* Cystotome needle
* Utrata forceps
* 3 cc syringe (for injection of air bubble if trypan blue available)
* AC cannula (for injection of air bubble if trypan blue available)
* Trypan blue if available

**Reference material to be read or viewed prior to wet lab:**

**Text**

**Seibel: *Physics of Capsulorrhexis***

**Video**

1. **Overview of continuous curvilinear capsulorhexis creation, rescue, and enlargement:**

* <http://www.youtube.com/watch?v=VJjxNt5vVI8>

1. **Trypan blue under viscoelastic:**

* [**http://www.youtube.com/watch?v=00eec45UDu4**](http://www.youtube.com/watch?v=00eec45UDu4)

1. **Trypan blue under air:**

* [**http://www.youtube.com/watch?v=-97PLqbbUPY**](http://www.youtube.com/watch?v=-97PLqbbUPY)

1. **CCC in a morgagnian cataract**

* <http://webeye.ophth.uiowa.edu/eyeforum/cases/146-morgagnian-cataract.htm>
* <http://www.youtube.com/watch?v=1-4wpByRuWE>

1. **Additional excellent instructional capsulorhexis videos** 
   * https://app.box.com/s/ho60sfkt51ipyay1ve0e