

SimulEYE Hydrus

Progressive learning through the family of 3 SimulEYE models for the Alcon Hydrus MIGS device.

HYDRUS REUSABLE:

- Phase 1 introductory training model for Hydrus
- Gain familiarity with Hydrus device, injector and implantation angles
- Hold eye in your non-dominant hand – do **not** mount to SimulEYE MIGS Kit 2.0
- Hashmarks on iris represent clock hours
- Enter with the device through the pre-made incision / notch at the blue hashmark
- 4 clock hours away from the incision is another blue hashmark which is the intended implantation site
- There is no TM in this model so that it is reusable and the device can be fully visualized during different scenarios
- Implant the Hydrus device by simulating penetrating through where the TM would be and into the canal and delivering the device
- Angle upward to deliver device off the roof of the canal
- Device will track nicely in the canal and stay in place
- Entering more distally causes the device to be directed into the back wall of the canal with resistance
- Entering more proximally is more difficult to enter the canal and the distal tip of the device will externalize out of the canal

HYDRUS OPEN SKY:

- Phase 2 for Hydrus Training – TM present but no cornea for easier visualization
- Attach the eye to SimulEYE MIGS Kit 2.0
- No incisions are needed since it is open sky
- May make incisions in the top of the sclera if desired
- Aim for the clock hour hashmarks for implantation
- There is a **vertical incision at each hashmark** so that penetrating the TM has a realistic feel
- **May be used without viscoelastic or even with viscoelastic plus a gonioprism**
- Rotate the eye and continue to do more implantations

HYDRUS FULL CORNEA:

- Phase 3 for Hydrus Training
- Same design as the Open Sky model except the cornea is present
- Attach the eye to SimuleYE MIGS Kit 2.0
- Make incision in the cornea, fill eye with viscoelastic and place visco on top of the cornea
- **Must be used with viscoelastic and a gonioprism**
- Aim for the clock hour hashmarks for implantation – same as for Open Sky model
- There is a **vertical incision at each hashmark** so that penetrating the TM has a realistic feel
- Rotate the eye and continue to do more implantations

HIGHLIGHTS:

3 different models for progressive learning: Reusable, Open Sky, Full Cornea

Start with Reusable model to understand the implantation angles

Progress to Open Sky model – may be used with or without viscoelastic and a gonioprism

Progress to Full Cornea model – must be used with viscoelastic and a gonioprism

For Open Sky and Full Cornea models, be sure to implant device at the hashmarks where there is a vertical incision in the TM for a realistic feel