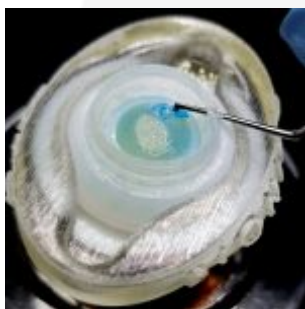


RHEXIS 2 - Capsulorhexis simulator

PRODUCT NUMBER: 1680



DESCRIPTION:

By presenting the main challenges of a **capsulorhexis scenario**, the **RHEXIS** task allows users to learn, train and perfect the fine motor skills required to properly use the wound as a fulcrum point for **instrument movement**; a fundamental skill in ophthalmic surgery.

Recommended Holder: MINI-HOLDER and ROMANO

SKILLS:

- Improve your control by creating a centered and circular rhexis (capsulorhexis scenario)
- Intraocular instrument manouvering skills
- Improve your technique by working through a fragile wound
- Gain confidence and motion control as you decrease time to completion

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CASES AND PATHOLOGIES:

Evaluate the task by reviewing the following parameters:

- **INCISION INTEGRITY:** The integrity of the wound relates to good technique in manipulation of instruments through ports, a fundamental skill of ophthalmic surgery. Consistent rhexis size is an indicator of good technique and understanding of scale.
- **RHEXIS CENTRATION:** Although an offset is sometimes desired (nasal and superior) in real cases, for the purposes of task training and evaluation, a centered rhexis is convenient for scoring with simple instrumentation. A centered rhexis shows control of the surgical landscape.
- **COMPLETION TIME:** Although in real surgery situations quality is more important than speed, at a basic skill training level, time to completion is a good indicator of a learning curve. As familiarity with steps and confidence with the technique increases, a decrease in time to completion is expected.

CHARACTERISTICS:

SETUP WITH ORBIT HOLDER:

- Insert the RHEXIS model in the ORBIT Model Eye Holder (compatible with BASIC-ORBIT and FLEX-ORBIT). Be careful not to damage delicate structures when inserting the models.
- Use a broad-tip sharpie, to color the tip of a dry cotton swab; add a couple of water drops to the capsule and then gently remove the excess water with the stained swab. This will lubricate the model and lightly stain the capsule.
- Make an incision on the limbus with your knife of choice. Entry depth, angle and incision width can be demonstrated and practiced. NOTE: The model promotes the user to create and work from a posterior incision.
- Start a capsule tear with acystotome. NOTE: Make the flap broad so it is easy to grasp with the forceps. The capsule in the model is more fragile than the real capsule and requires a fuller bite with the forceps.
- Manipulate the Utrata forceps of choice through the port to create a continuous circular tear on the capsule. NOTE: The model promotes frequent regrasping and gentle manipulation of the forceps. Breakage of the capsule flap can result if a long tear is attempted without regrasping. The capsule may be cut by the forceps if the pinching force is too high.

INCLUDE:

- 10 Rhexis eye simulator
- 1 Storage box

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