



Oftalmo  
University

# VETERINARY CATARACT ACADEMY PROGRAM

Hybrid Blended  
Education



Oftalmo  
University



# HYBRID BLENDED EDUCATION





Oftalmo  
University

Phase

**1**

**ONLINE**

Phase

**2**

**HANDS-ON**

# CATARACT ACADEMY PROGRAM

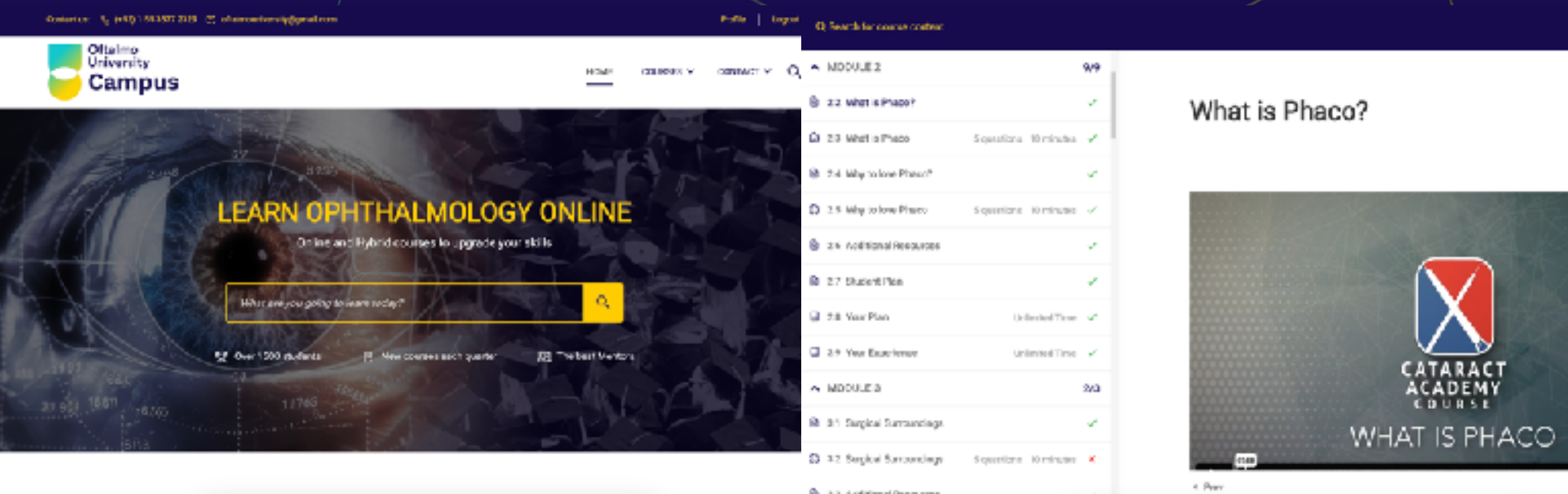
Phase 1

## ONLINE

### Phase Overview

This comprehensive training spans across several modules, covering all aspects of Cataract Surgery, from patient evaluation, pre-operative preparations, surgical techniques, to post-operative care and managing complications.

With a blend of theoretical knowledge, practical insights, and preparation for hands-on simulations, we ensure a holistic learning experience.



The screenshot displays the Ophthalmology Online course interface. On the left, a banner for 'LEARN OPHTHALMOLOGY ONLINE' features a close-up of an eye and a search bar with the text 'What are you going to learn today?'. Below the banner, it lists 'Over 1000 students', 'New courses each quarter', and 'The Best Mentors'. The main content area shows a course list for 'MODULE 2' (99 items) and 'MODULE 3' (99 items). The 'What is Phaco?' course is highlighted, showing a video player with the Ophthalmology Academy logo and the text 'WHAT IS PHACO'.

Module	Item	Duration	Status
MODULE 2	22 What is Phaco?		✓
	23 What is Phaco?	Questions 10 minutes	✓
	24 Why is low Phaco?		✓
	25 Why is low Phaco?	Questions 10 minutes	✓
	26 Additional Resources		✓
MODULE 3	27 Patient File		✓
	28 Your Plan	Unlimited Time	✓
	29 Your Exam	Unlimited Time	✓
	30 Surgical Surroundings		✓
	31 Surgical Surroundings	Questions 10 minutes	✗
	32 Additional Resources		✓
	33 Additional Resources		✓
	34 Additional Resources		✓

## Syllabus

**MODULE 1:** Phaco Principals and why every surgeon should love phaco

- Section 1: What is Phaco?
- Section 2: Prepare to change lives
- Section 3: Phaco fundamentals
- Section 4: The course (On-Line/ Simulation/Surgery Course)

**MODULE 3:** Your Journey to Surgical Readiness

- Section 1: Andragogy: Adult Learning
- Section 2: Cognitive, Integrative, and Autonomous Stage 1.
- Section 3: 80% of Phaco it's outside the OR

**MODULE 5:** Prior to surgery

- Patient Status (Diseases, Conditions)
- Risk Evaluation
- IOL Calculation
- IOL Selection
- Costs (Ideal vs. reality)
- "How to sell" (Premium & toric lenses)

**MODULE 2:** The Surroundings – What do I need to do Phaco in my practice?

- Section 1: Operating Room
- Section 2: Phaco as "your everything."

**MODULE 4:** Mental training for surgeons

- Concentration capacity (Mindfulness) & Neurolinguistics Programing
- Critical thinking and Problem Solving
- Complication Mindset
- Communication in the operating room

**MODULE 6:** Team & OR

- Assistants
- Workflows and Leadership
- Nurses
- Technicians
- Anesthesiologist

## Syllabus

### **MODULE 7:** Phacodynamics

- Phaco Fundamentals
- “Equilibrium”. What goes out must equal what goes in!
- Pumps.
- Why own a Ferrari if you cannot drive a 5-speed car
- The pedal.
- Flowability/holdability. Know this & you are the master of your domain
- Ultrasound. It's more a jackhammer than a shovel.
- Where are we going?

### **MODULE 9:** Phaco Steps

- INCISION: Types. Techniques. Induced Astigmatism importance.
- PARACENTESIS: Types. Techniques. Position.
- VISCOELASTIC INTRODUCTION: Types. Techniques.
- CAPSULORHEXIS: Rhexis Fundamentals. Rhexis Deconstructed. Rhexis in 3 dimensions. Reassemble the Rhexis.
- HYDRODISSECTION NUCLEO FRACTIS: Different techniques. Importance of knowing different techniques.
- IRRIGATION ASPIRATION: Anatomy. Cortex behavior. Movements (hands and IA tip). Parameters
- IOL INSERTION: Wound interaction in which we need to be aware that the cartridge does not separate from the wound. The correct movement of the IOL in the AC and to direct it to the capsular bag.
- VISCOELASTIC ASPIRATION: Remove the viscoelastic completely from the AC. Remove viscoelastic from behind the IOL. Parameters
- INCISION MANAGEMENT: Sutureless incision management. How to make a good suture for our incision.
- INTRAOPERATIVE MEDICATION IN PHACO: Inflammation control medication. Antibiotics

### **MODULE 8:** Anesthesia – Visualization – Ergonomics

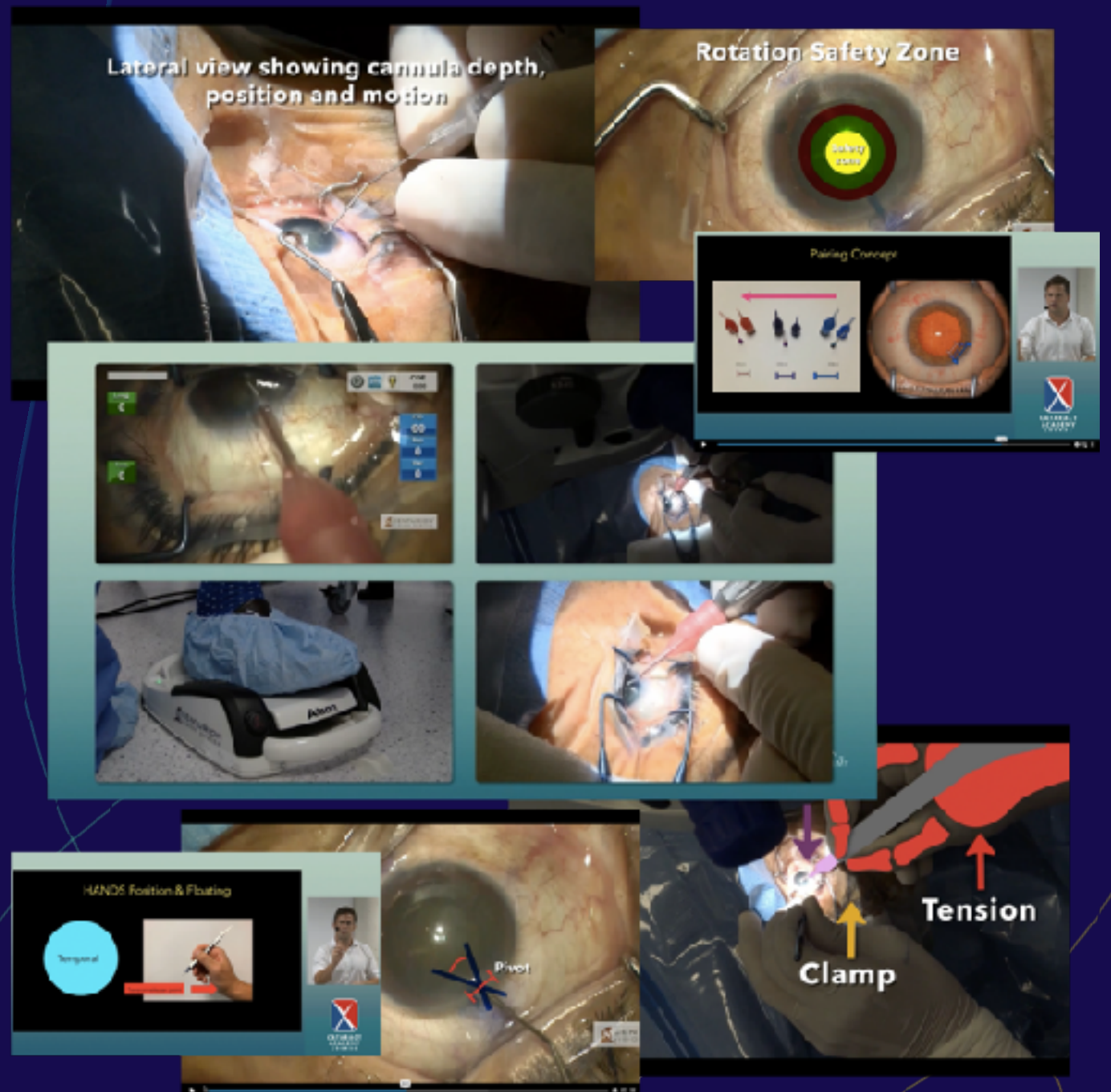
- Section 1: Anesthesia
- Section 2: Visualization
- Section 3: Position of the patient and surgeon ergonomics



# CATARACT ACADEMY PROGRAM

Phase 1

## ONLINE



**Duration:** On demand  
(typically 4 to 6 weeks)

# HANDS-ON

## Phase Overview

Three Oftalmo University Campus to choose from:  
**OU Campus Europe @ IMO Barcelona** (Spain),  
**OU Campus México @ Ciudad de México** (Mexico), and **OU Campus Argentina @ Córdoba** (Argentina).

The best simulators with the latests software upgrades: **Haag-Streit EyeSi ® Simulators**.

Our Training Center are equipped with the best quality of artificial eyes (Bioniko Models) and latest technology in: Microscopes, Phaco Machines, consumables & IOLs.

 **OU Campus México**

 **OU Campus Europe**

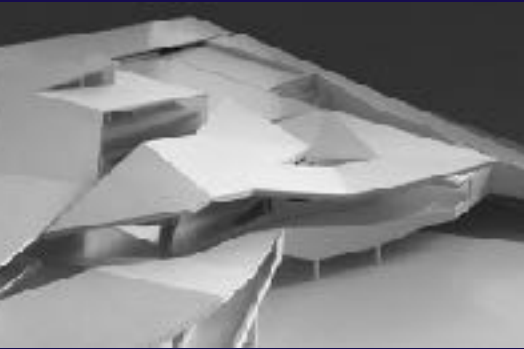
 **OU Campus Argentina**



# CATARACT ACADEMY PROGRAM

Phase 2

## OU Campus Europe



Proudly presenting our brand new Campus.

We are thrilled to announce the opening of Oftalmo University's new campus at the prestigious **IMO Grupo Miranza Barcelona**.

This expansion represents a significant milestone in our mission to deliver top-tier ophthalmic education and surgical training globally.

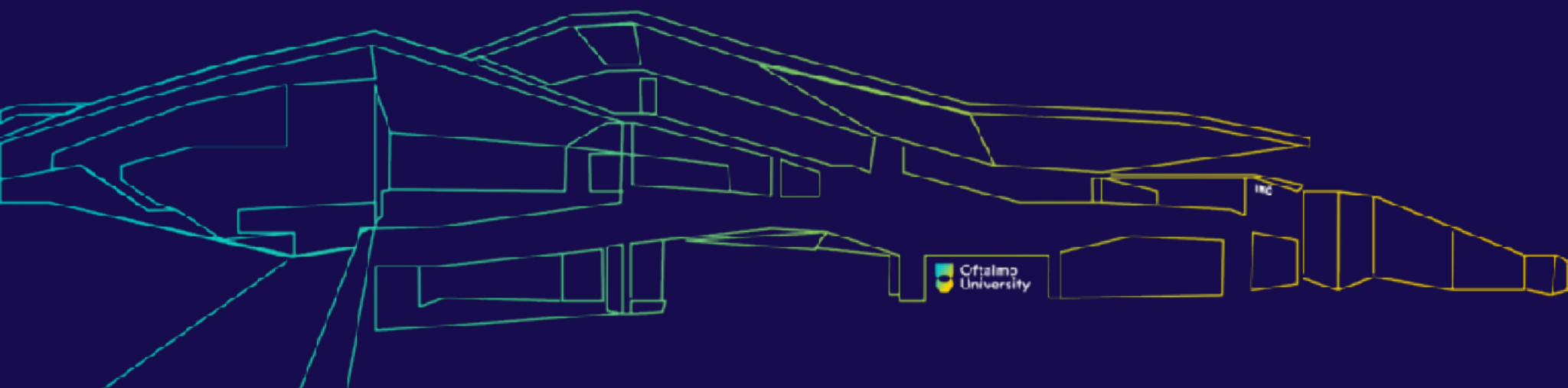
Partnering with **IMO Barcelona**, renowned for its excellence in eye care and innovation, allows us to offer our students and professionals unparalleled access to advanced technologies and expert knowledge in ophthalmology.

This new campus not only broadens our geographical reach but also underscores our commitment to continuous improvement and excellence in ophthalmic education.

We look forward to welcoming many of you to Barcelona as we continue to advance the future of ophthalmology together.



Instituto de  
microcirugía  
ocular



# CATARACT ACADEMY PROGRAM

Phase 2

## HANDS-ON

Technology 🚀

**State-of-the-art technology:** From operating room settings with the world's best artificial eyes to cutting-edge VR simulators, we offer a hands-on, immersive experience that is unparalleled.



EyeSi  
VR Simulators



Bioniko  
artificial eyes





# CATARACT ACADEMY PROGRAM

Phase 2

## HANDS-ON

Mentorship 



### **World-class Mentors:**

Our mentors are not only expert surgeons but are also trained to be the best educators.

You will receive personalized guidance and feedback every step of the way.





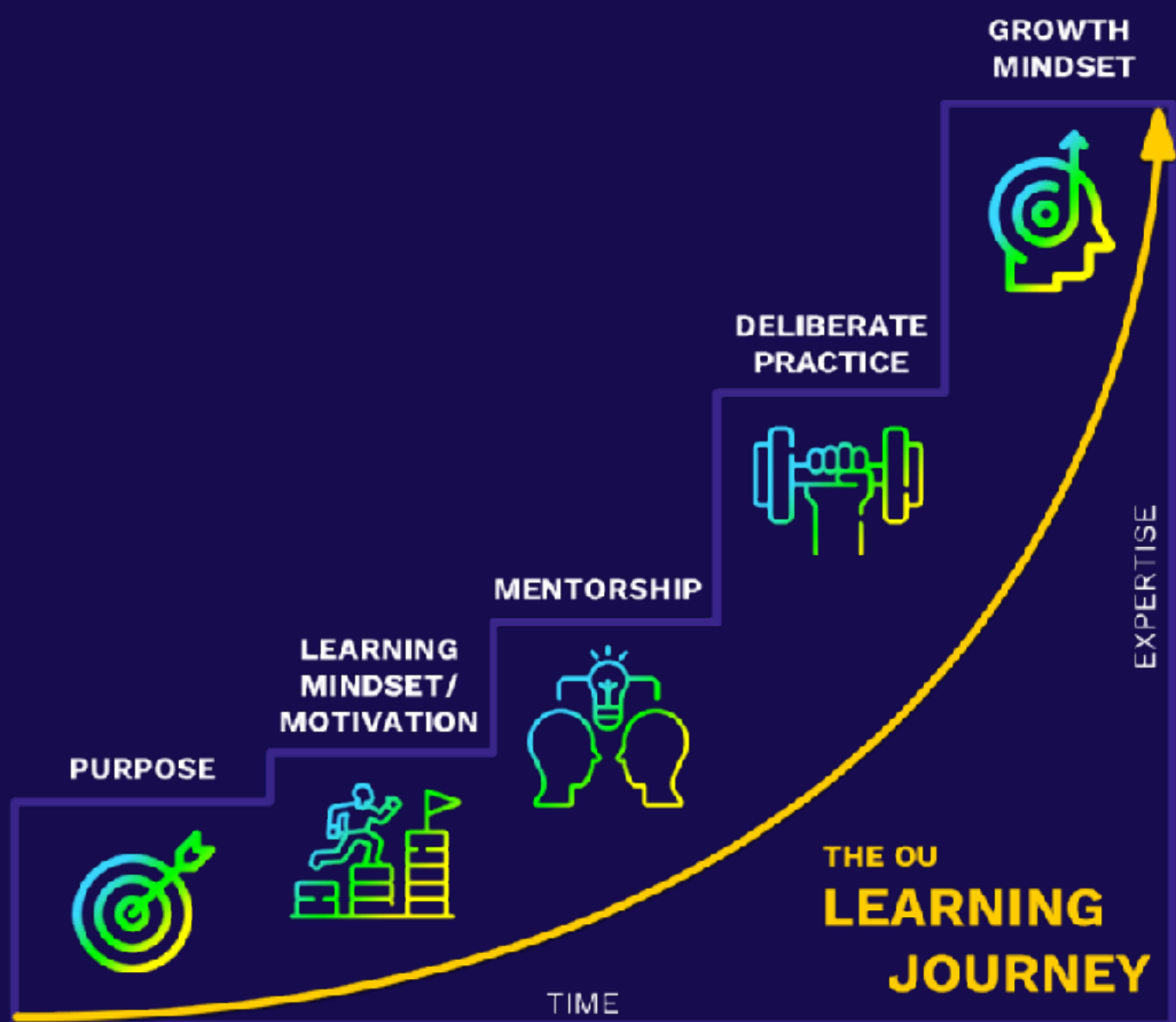
Phase 2

## HANDS-ON

Methodology 

### Proven Methodology:

Our training methods have been meticulously designed and refined over the past decade in collaboration with some of the world's top surgeons. This ensures that you get the most effective learning experience.



Phase 2

## HANDS-ON

Methodology 



cataract  
**WORMHOLE**

With our proprietary  
**Cataract Wormhole™**  
methodology get from  
where you are  
to where you want to be  
in **LESS TIME**





# cataract WORMHOLE

Learn more about our **Cataract Wormhole™** methodology in this CRST article:



Source:

<https://crstoday.com/articles/oct-2024/advancing-surgical-training>



# CATARACT ACADEMY PROGRAM

Phase 2

## HANDS-ON

**Technology**  
+  
**Mentorship**  
+  
**Methodology**



**Duration:** - **1 Week** (5 days - Monday to Friday - Full day)

Or

- **2 Weeks** (10 days - Monday to Friday - Full day)

# CATARACT ACADEMY PROGRAM

## TESTIMONIALS



Atanas Bogoev, MD



[Watch it  
HERE](#)



Thandi Myeni, MD



[Watch it  
HERE](#)



Florian Wabnig,  
MD



[Watch it  
HERE](#)

More than 250 colleagues and counting...







# ONE OF THE SIX

institutions advancing **ophthalmology** training around the world\*



\*Source: The Ophthalmologist The Ophthalmologist - Sept-Oct 2023





join our **family**



Scan the QR code  
to [book a Call](#) with our Mentors

Or write us an email at:

[info@oftalmouniversity.com](mailto:info@oftalmouniversity.com)



become the **surgeon**  
you want to be

