



Association of University
Professors of Ophthalmology

SCOR

Surgical Curriculum for Ophthalmology Residents (SCOR)

2021–2025
Annual Report



AUPO Surgical Curriculum for Ophthalmology Residents (SCOR)



AUPO SCOR has been actively working on a standardized surgical curriculum for ophthalmology residents since 2018. The objective is to help programs achieve their goal of training residents who are expected to be competent in a broad range of basic and advanced surgical skills.

Since 2021 the AUPO SCOR Program has continued to grow and successfully provide surgical skills training. More than 1,000 residents have accessed our Learning Management System and nearly 700 PGY4 residents from 100 residency programs have completed the SCOR Surgical Skills Workshop where they received 1:1 training from highly trained and experienced faculty from across the United States. In addition, the AUPO SCOR Program continues to add to its extensive Ophthalmology Training Curriculum library available online to every residency program across the United States and Canada.

In this report, we have shared details of the current state of affairs of the AUPO SCOR Program and the future goals and next steps that we are working on to make this program indispensable for the entire ophthalmology training community.

Goal and Mission

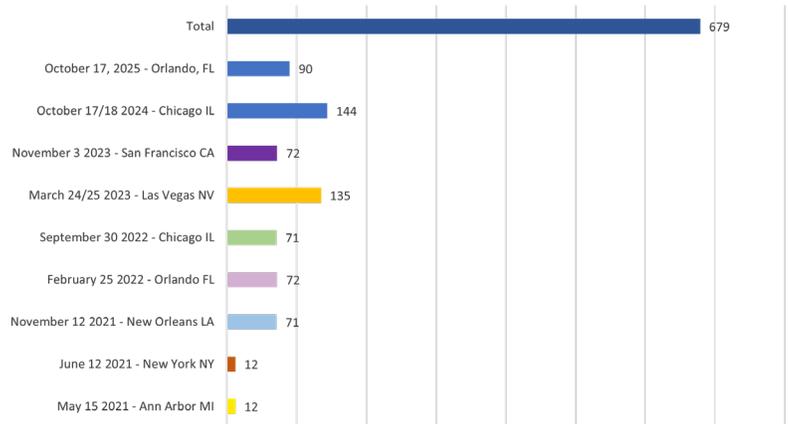
The goal of AUPO SCOR is to train residents to be competent in a broad range of basic and advanced surgical skills. Our mission is to provide a standardized system of surgical training and assessment of competency for ophthalmology residents.

SCOR Executive Committee

- Shahzad Mian, MD, Director
- Grace Sun, MD, Skills Transfer Lead
- Susan Culican, MD, PhD, Assessment Lead
- Seth Pantanelli, MD, MBA, Multimedia Lead
- Steve Armenti, MD, PhD, Training-the-Trainer Lead
- Paul Sternberg, Jr., MD, AUPO Chief Executive Officer
- Craig Carey, AUPO SCOR Client Services Manager

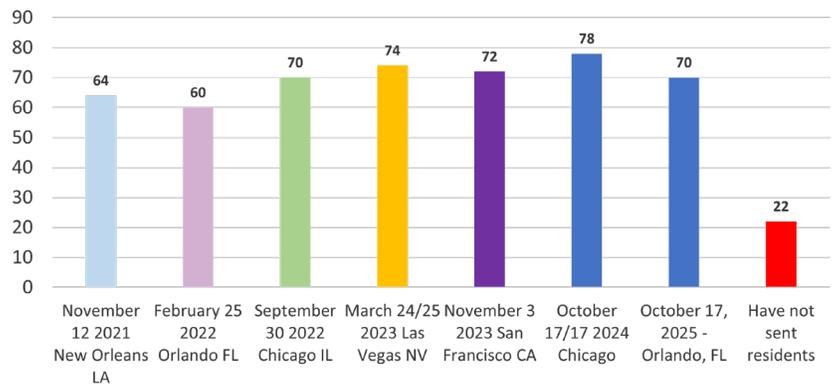
Statistics

AUPO SCOR Unique Resident Participants



AUPO SCOR Participating Resident Programs

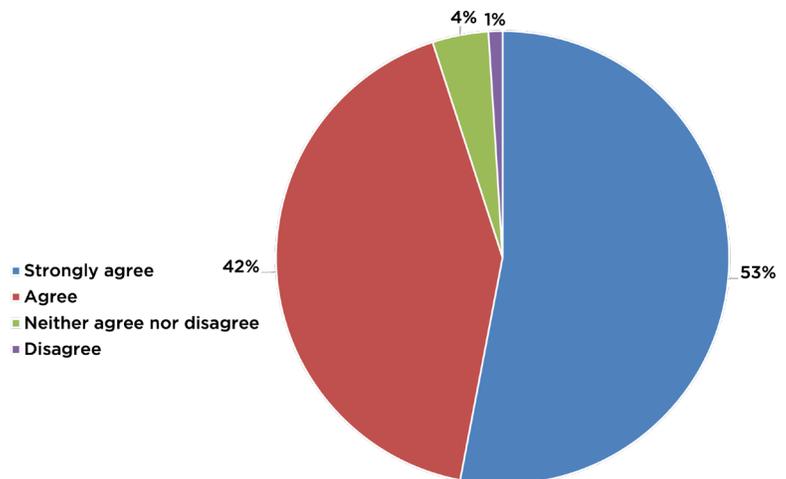
**ACGME - 124 accredited residency programs



Online Learning Management System (LMS)

Did the online LMS modules contribute positively to your overall learning experience?

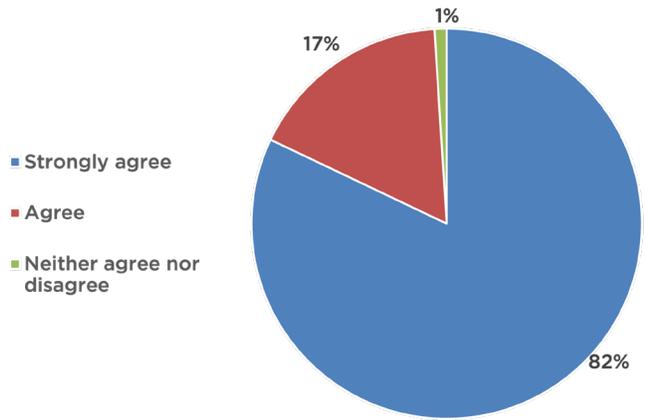
Note: Post workshop survey data from October 2025 Workshop



Workshop Impressions

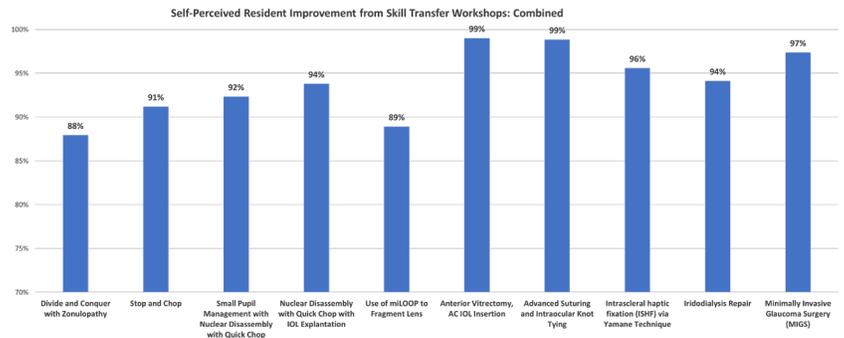
Did the SCOR Advanced Cataract Surgery Curriculum Contribute Positively to your overall learning experience?

Note: Post-workshop survey data from October 2025 Workshop



Self-Perceived Resident Improvement from Skill Transfer Workshops

Note: Post-workshop survey data from November 2021 – October 2025 Workshops



Feedback

Resident Feedback

- Sessions were well thought out and instructors were fantastic teachers with great surgical pearls. I enjoyed it!
- Very good curriculum. I think the online modules were essential to familiarize ourselves with all the essential techniques. Even though it is hard to fully grasp concepts without doing them hands on, the first exposure via the modules was key I think. The lab itself was great - it was especially helpful working 1 on 1 with an attending.
- Absolutely loved the wet lab, it was a great resource, and the learning modules were amazing!
- Will 100% recommend to all of my junior residents! It was great learning in a pressure free environment and I feel lucky to have attended and practiced these skills with the guidance of an expert.
- This was an excellent learning opportunity to have so many experts willing to provide hands on instruction. Each station offered a varied experience that kept the day interesting, from simulated eyes to macro-models. I enjoyed the variety of skills that were covered.
- Very impressed by the scale and set up as well as the dedication from each faculty. 1 on 1 session for this long period of time with dedicated eye modules and phaco machines were incredible. I will highly recommend this to all my junior residents to try to come to this wet lab.

Trainer Feedback

- It's a great lab that is quite helpful for residents and can mimic difficult situations that they may not have encountered yet. It's wonderful.
- Fantastic. A great learning experience. This was my 5th SCOR, and it has continued to improve steadily.
- I thought this was the best implementation of the anterior segment skills session ever. Things went very smoothly and time provided is PERFECT.
- It's a very well organized and helpful lab. Good time to impart tips the residents may not have heard from other attendings. All were eager to learn.
- Excellent exposure for some trainees that learn from 1-2 attendings. Great setting to help trainees tweak some skills and techniques The company representatives were extremely helpful in setting up equipment and demonstrating proper use of their organizers, the preparation is exceptional and this allows the session to run smoothly.
- Love the excitement from the residents and their appreciation. That will keep me coming back.

SCOR Learning Management System

Universal · Comprehensive · High Quality



Advanced Cataract Curriculum

Phacodynamics

- Alcon Centurion
- B&L Stellaris Elite
- J&J Whitestar Sig
- J&J Veritas

Advanced Nuclear Disassembly

- Principles of Chopping
- Stop & Chop
- Quick Chop

Critical Challenges

- Principles of Vitrectomy
- Zonulopathy
- Posterior Capsular Rupture
- Vitreous Prolapse

Contributing Challenges

- Small Pupil
- Iridodialysis Repair
- IOL Exchange

MIGS

- Principles of MIGS
- iStent
- KDB
- Hydrus
- Omni
- Streamline
- iDose
- Durysta
- Via360

Published Courses

- AAO Ethics Committee - Informed Consent
- Anterior Chamber Intraocular Lenses (ACIOL)
- Capsular Tension Rings
- Capsule Retractors
- Getting Started with the AUPO SCOR LMS
- Hydrus Microstent
- IOL Removal by Cutting
- IOL Removal by Folding: Cartridge Technique
- IOL Removal by Folding: Forceps Technique
- IOL Removal by Folding: Twist Technique
- IOL Removal by Large Incision
- Intraoperative IOL Exchange Management
- Introduction to Horizontal Chop
- Introduction to Vertical Chop
- Iridodialysis Repair
- Iris Hooks
- Iris-Fixated Intraocular Lens (IFIOL) — McCannel Suture Technique
- Kahook Dual Blade
- MIGS Open-Angle Glaucoma Management
- MSICS: Ruit Technique
- Management of the Small Pupil
- OMNI Surgical System
- Orientation to Alcon Centurion
- Orientation to the Bausch + Lomb Stellaris Elite
- Orientation to the Bioniko Eye Model
- Orientation to the Johnson & Johnson Veritas
- Orientation to the Johnson & Johnson Whitestar Signature Pro
- Pathophysiology of Iridodialysis
- Pathophysiology of Posterior Capsular Rupture
- Pathophysiology of Small Pupils
- Pathophysiology of Vitreous Prolapse
- Pathophysiology of Zonulopathy
- Posterior Capsule Rupture Management
- Principles of Chopping
- Principles of Intraoperative IOL Exchange
- Principles of Manual Small Incision Cataract Surgery (MSICS)
- Principles of Micro-Invasive Glaucoma Surgery (MIGS)
- Principles of Vitrectomy
- Pupil Expansion Rings
- Quick Chop Technique
- Scleral-Fixated Intraocular Lens (SFIOL) — Gore-Tex Suture Technique
- Stop and Chop Technique
- Zonulopathy Management
- iStent inject W

Platform Videos

Orientation to the Johnson & Johnson WhiteStar Signature Pro



Module | Jeff Patteny MD

Orientation to the Johnson & Johnson Veritas



Module | Jeff Patteny MD

NEW

Orientation to the Bausch & Lomb Stellaris Elite



Module | Reema Garg MD

Orientation to the Alcon Cenarius



Module | Jeff Patteny MD

▼ Introduction



▪ Welcome



▪ Objectives



▪ Unique Features



▶ Getting Started

▶ Machine Settings

▶ Vitrectomy



▶ End of Case

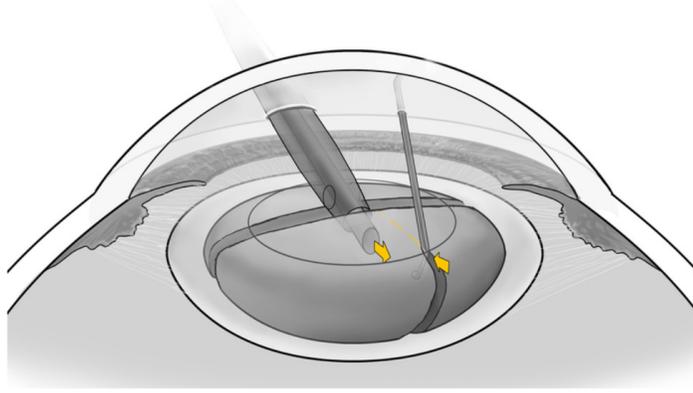
NOTES

SUPPORT

SIGN OUT

Step by Step Courses

Principles of Chopping



Start Course

Show Purchasing Options Or Gift

WHAT'S INCLUDED

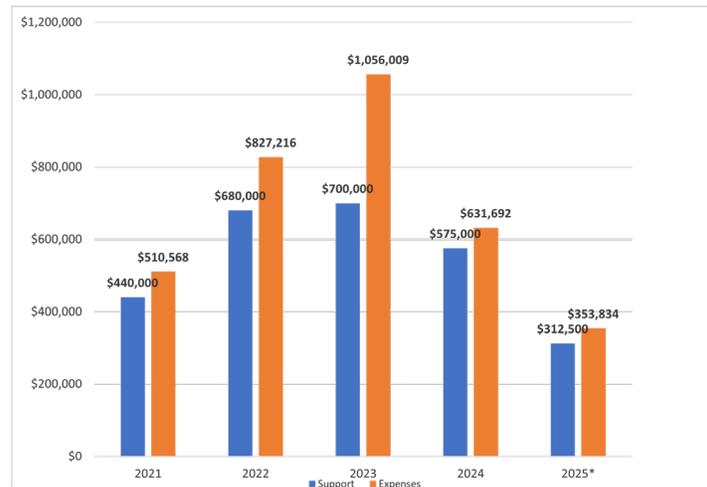
- Access your courses anytime, anywhere, with a computer, tablet or smartphone
- Videos, quizzes and interactive content designed for a proven learning experience
- Unlimited access. Take your courses at your time and pace

RELATED COURSES

[Introduction to Horizontal Chop](#)

AUPO SCOR Program Support and Expenses

* Projected 2025



PGY 1/2 Microsurgical Education Bootcamp Modules

The PGY1/2 Microsurgical Boot Camp curriculum is a comprehensive, adaptable program designed to standardize baseline microsurgical competencies among incoming ophthalmology residents. It addresses the common challenge of varying surgical skills among new PGY1/2 residents, offering a modular structure that covers essential topics such as microscope use, suturing, and various ophthalmic laser procedures. The curriculum's flexibility allows programs to tailor it to their specific needs and resources, whether implemented as a concentrated boot camp or spread throughout the year. It combines self-study, hands-on wetlab practice, and competency-based assessments to efficiently prepare residents for their surgical rotations.

- Microscope Basics I: Setup and Alignment
- Microscope Basics II: Intraoperative Control and Adjustments
- Suturing I: Simple Corneal Lacerations
- Suturing II: Corneoscleral Lacerations
- Suturing III: Stellate Corneal Lacerations
- Ophthalmic Lasers I: Introduction
- Ophthalmic Lasers II: Nd:YAG - Principles
- Ophthalmic Lasers III: Nd:YAG Posterior Capsulotomy
- Ophthalmic Lasers IV: Nd:YAG Iridotomy
- Ophthalmic Lasers V: Panretinal Photocoagulation (PRP) - Principles
- Ophthalmic Lasers VI: Panretinal Photocoagulation (PRP) - Demonstration

Next Steps / Goals 2026

Standardized Curriculum

- Expand video library
- Expand microsurgical skill boot camp

Skills Transfer Workshop

- AAO 2026, New Orleans, LA, October 9 for 90 residents
- Five or more regional workshops in AUPO programs

Assessment Tools

- Program director report
- Expand independent assessment in workshops

Training the Trainer

- Enhanced accessibility
- Webinars and courses
- Hands on training

