

**Audience/Level**  
Ophthalmologists

**Types of Passes**  
Onsite Pass or Virtual Pass

**Date**  
Saturday – Monday  
14 to 16 October 2023

**Venue (Onsite Pass)**  
Auditorium & Training Room,  
Lobby C, Level 4,  
Singapore National Eye Centre

## Advanced Corneal Surgery ALK/DSAEK/DMEK Course

### Course Outline

The Singapore National Eye Centre is delighted to present a comprehensive 3-day Advanced Corneal Surgery Course. This course offers a unique opportunity for corneal surgeons and general ophthalmologists to enhance their surgical and medical management skills in corneal transplant procedures. Through a combination of eLearning, didactic lectures, hands-on wet lab experience, live surgery, and clinical case presentations, participants will gain practical insights and expertise in the field.

#### 1. Didactic Lectures (Overview)

Gain a deep understanding of the latest advancements in corneal surgery through informative didactic lectures. Our expert faculty will cover a wide range of topics, including:

- **Penetrating keratoplasty versus lamellar keratoplasty** – Evidence: Why Change?
- **Anterior lamellar keratoplasty (ALK)** with modified Big Bubble technique, automated lamellar therapeutic keratoplasty (ALTK), Hemi-automated Lamellar Keratoplasty (HALK), preoperative and postoperative management.
- **Endothelial keratoplasty (EK)**: Indications, surgical techniques of Descemet's stripping automated endothelial keratoplasty (DSAEK), preoperative and postoperative management, Descemet's membrane endothelial keratoplasty (DMEK) preoperative and postoperative management.

#### 2. eLearning

Prepare for the course with our comprehensive eLearning platform. Participants will have access to pre-reading materials containing DSAEK & DMEK digital courseware. Additionally, there are more than 4 hours of video lectures by our esteemed faculty instructors. The actual event lectures, wet lab demonstrations, and live surgery recordings will also be made available after the session, providing a valuable resource for future reference.

#### 3. Hands-on Wet Lab Experience

Enhance your skills through hands-on wet lab experience. Participants will have the opportunity to choose from various techniques, including ALK, ALTK, DALK, DMEK, and DSAEK. Under the guidance of our experienced instructors, you will gain practical proficiency and confidence in performing these procedures.

#### 4. Clinical Case Presentations

Explore a range of clinical cases suitable for ALK, DALK, DSAEK, and DMEK patients. Through case presentations, participants will gain insights into the selection process for tissue transplantation and the various forms of lamellar surgery. This segment will provide valuable real-life scenarios and promote critical thinking in managing complex corneal conditions.

The emphasis of this program is on selective tissue transplantation, particularly focusing on different forms of lamellar surgery, namely ALK, DALK, DSAEK, and DMEK. We aim to equip participants with the knowledge and skills to deliver optimal outcomes for their corneal transplant patients.

Don't miss this exceptional opportunity to expand your expertise in advanced corneal surgery. Join us for the Advanced Corneal Surgery Course at the Singapore National Eye Centre and elevate your surgical practice to new heights.

# SNEC EDUCATION PROGRAMME 2023

#### Course Director

Prof Jodhbir S MEHTA

#### Course Coordinator

Assoc Prof Marcus ANG

#### Instructors

Clin Assoc Prof Anshu ARUNDHATI

Dr WOO Jyh Haur

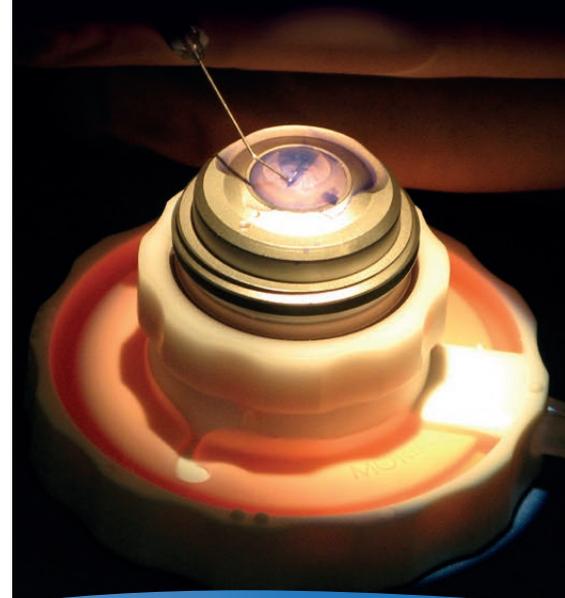
Clin Assoc Prof KHOR Wei Boon

Clin Assoc Prof LIM Li

Dr ONG Hon Shing

Dr Howard CAJUCOM-UY

Dr TI Seng Ei



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**2023**

TIME	PROGRAMME	Onsite Pass	Virtual Pass
<b>DAY 1 — 14 October 2023 (Saturday)</b>			
1.00pm – 1.20pm	Registration & Faculty Introduction		
1.20pm – 1.25pm	Introduction to Advanced Cornea Course		
1.25pm – 1.30pm	Lamellar Keratoplasty – Why do it?		
1.30pm – 2.15pm	Mastering DALK: Basic and Advanced Surgical Techniques & Outcomes		
2.15pm – 3.00pm	Mastering DSAEK: Basic and Advanced Surgical Techniques & Outcomes		
3.00pm – 3.15pm	Break		
3.15pm – 4.00pm	Mastering DMEK: Basic and Advanced Surgical Techniques & Outcomes		
4.00pm – 4.30pm	Q&A and Onsite Participants Sharing – Present Your Own Cases!		
4.30pm – 4.55pm	Interactive Quiz Challenge to Reinforce Your Learning		
4.55pm – 5.00pm	Closing		

<b>DAY 2 — 15 October 2023 (Sunday)</b>			
8.30am – 9.45am	Wet Lab Demonstration		
9.45am – 10.00am	Break		
10.00am – 12.00pm	Hands-on Wet Lab – DALK		
12.00pm – 1.00pm	Lunch Break		
1.00pm – 2.50pm	Hands-on Wet Lab – DSAEK		
2.50pm – 3.10pm	Break		
3.10pm – 5.00pm	Hands-on Wet Lab – DMEK		
6.30pm – 9.00pm	Faculty Dinner		

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TIME	PROGRAMME	Onsite Pass	Virtual Pass
<b>DAY 3 — 16 October 2023 (Monday)</b>			
8.00am – 10.20am	Live Surgery Case(s)		
10.20am – 10.40am	Break		
10.40am – 11.00am	Surgical Video Rounds: Basic Tips and Tricks		
11.00am – 11.20am	DALK Complications and Management		
11.20am – 11.40am	DSAEK Complications and Management		
11.40am – 12.00pm	DMEK Complications and Management		
12.00pm – 12:20pm	Donor Preparation and Eye Banking		
12:20pm – 1:20pm	Lunch Break		
1:20pm – 3.00pm	Post-op Examination, Clinical Case Presentation & Round-up Discussion		
3.00pm - 3.30pm	Pathways to Excellence: Former Participants Share Their Learning Journey		
3.30pm - 4.00pm	Presentation of Certificates to Onsite Participants		

Note: The above programme is preliminary and may be subject to change without further notice.\*

**All onsite and virtual participants will be able to enjoy:**

- Access to online learning management system for 2 months
- Latest DSAEK and DMEK eLearning courses
- Virtual/Recorded lectures on theory and wet lab
- Engaging in discussions during virtual sessions

	Face to Face
	Virtual Zoom
	Recorded Video (Stream available after event)

There are 2 types of passes that participants can choose (either one of the following):	Onsite Pass	Virtual Pass
	SGD 4500 (SGD 4860 including 8% GST)	SGD 500 (SGD 540 including 8% GST) <del>SGD 700</del> <b>SPECIAL PRICE</b>
	Entitled to <b>ALL</b> sessions (face-to-face, recorded, virtual or live streamed sessions)	Entitled to recorded, virtual or live streamed sessions only

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## Advanced Cornea Surgery Course Wetlab and Graduation Snapshots

