

**CUHK-OLC Surgeon Education Program**  
**2<sup>nd</sup> International Workshop on Mixed Reality in Orthopaedic Oncology**  
**October 24-25, 2025**

*In orthopaedic oncology, errors in surgical planning and resection may increase the risk of tumor recurrence and compromise patients' survival. This practical workshop includes talks on CATS applications, interactive case discussions, and a main focus on the emerging Mixed Reality (MR) immersive technology in orthopaedic Oncology. Participants (doctors and engineers) will learn the background of MR technology, its actual clinical applications, and its implementation in clinical settings. An MR hands-on training session is available to enhance participants' understanding of this immersive technology.*

Date: Oct 24-25, 2025

Venue: Orthopaedic Learning Center, Prince of Wales Hospital, Hong Kong, China

Format: Lectures, case discussion and Hands-on MR workshops

Organized by: Orthopaedic Oncology, Department of Orthopaedics and Traumatology, Prince of Wales Hospital, Hong Kong, China

Course Chairman:

- Dr Kwok Chuen WONG,  
Orthopaedic Oncology, Department of Orthopaedics and Traumatology, Prince of Wales Hospital, Hong Kong, China

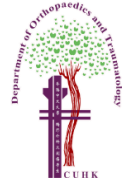
Faculties:

- Prof. Shekhar KUMTA, The University of Melbourne, Department of Surgery, Northern Hospital, Australia
- Dr Solomon DADIA, Levin Center of Surgical Innovation & 3D Printings, Tel Aviv Sourasky Medical Center, Israel
- Dr Yujia GAO, Consultant surgeon at Division of Hepatobiliary & Pancreatic Surgery, Department of Surgery, National University Hospital (NUH), Singapore
- Prof. Hei Ming LAI, Clinical Assistant Professor, Department of Chemical Pathology, the Chinese University of Hong Kong, Hong Kong, China
- Mr. CK HUNG, Hospital Authority Head Office Information Technology & Health Informatics (HO IT&HI), Hong Kong, China
- Mr Louis SZE, CEO, Syngular Technology Limited, Hong Kong, China

| Time          |         | Title                           | Speaker |
|---------------|---------|---------------------------------|---------|
| Oct 24, 2025  |         |                                 |         |
| 08:00 – 08:25 | 20 mins | Registration                    |         |
| 08:25 – 08:30 | 5 mins  | Welcome                         | KC Wong |
| 08:30 – 09:00 | 30 mins | CATS overview & lessons learned | KC Wong |

|                     |         |   |                        |
|---------------------|---------|---|------------------------|
| 09:00 – 09:30       | 30 mins | Planned resection margin in the era of CATS                                       | KC Wong                |
| 09:30 – 10:30       | 60 mins | Experience of The Levin Center for 3D Printing and Surgical Innovation            | Solomon Dadia (Israel) |
| 10:30 – 10:45       | 15 mins | Tea break   |                        |
| 10:45 – 11:15       | 30 mins | Custom reconstruction in the era of CATS  | KC Wong                |
| 11:15 – 12:30       | 75 min  | Case discussions (4-5 cases)  | Participants           |
| 12:30 – 12:35       | 5 mins  | Group photo   | All                    |
| 12:35 – 13:30       | 55 mins | Lunch   |                        |
| 13:30 -14:00        | 30 mins | Immersive technology in surgical application: Singapore experience (pre-recorded) | Dr Gao (Singapore)     |
| 14:00 – 14:30       | 30 mins | Overview of Mixed Reality for Ortho Oncology Surgery                              | KC Wong                |
| 14:30 – 15:00       | 30 mins | Spatial computing/design in MR for healthcare                                     | Louis Sze              |
| 15:00 – 15:30       | 30 mins | 3D human microanatomy   | HM Lai                 |
| 15:30 – 16:00       | 30 mins | Hospital IT infrastructure for Mixed Reality application                          | CK Hung                |
| 16:00 – 16:30       | 30 mins | Panel discussion on MR for healthcare   | All speakers           |
| 16:30 -17:00        | 30 mins | Demo of preparing and building an MR case (on a PC station)                       | KC Wong                |
| 17:00 – 17:05       | 5 mins  | Roundup & feedback  |                        |
|                     |         |   |                        |
| <b>Oct 25, 2025</b> |         |   |                        |
| 08:30 – 09:00       | 30 mins | MR cases demo (HL2) +/- on sawbones   | KC Wong                |
| 09:00 – 10:00       | 60 mins | Hands-on (case practice on Sawbones)  |                        |
| 10:00 – 10:45       | 45 mins | Hands-on (case practice with IR track tools)                                      |                        |
| 10:45 - 11:00       | 15 mins | Tea break   |                        |
| 11:00 – 11:30       | 30 mins | Remote case discussion  | KC Wong + Overseas     |
| 11:30 – 12:00       | 30 mins | New headset / EM sensor tracking demo   | KC Wong / Louis        |
| 12:00– 12:05        | 5 mins  | Roundup & feedback  |                        |

#### Organized by:



#### Supported by:

