



## + Robotics-assisted Knee Arthroplasty Instructional Course

Wednesday 22 November 2023

Agenda

Smith+Nephew Academy,  
Singapore

# Course description

## Course details:

This course is designed to provide advanced instruction in the use of robotics in knee arthroplasty procedures. The course will cover the latest techniques and technologies in robotics-assisted knee replacement surgery, including pre-operative planning, intraoperative navigation, and post-operative management.

## Learning objective:

By attending this course, delegates will be able to:

- Utilize handheld robotic surgical system for patient undergoing a knee replacement surgery
- Execute a systematic surgical workflow ensuring the safe and effective use of the robotic system for UKA and TKA indications
- Uncover typical challenges and troubleshooting in knee replacement surgery through live cadaveric demonstration and hands on practice

## Participants profile:

- Surgeons with a strong interest in latest advanced in joint replacement using robotics assisted system
- Existing experience in UKA or TKR surgery
- A keen interest to gain tips and tricks and surgical skills on technologies and robotics means to perform, for an immediate application

## Invited Faculty



**Dr Pang Hee Nee**  
**Orthopaedic Consultant**

Adult Reconstruction Service  
Singapore General Hospital  
Singapore

Dr Pang Hee Nee completed his specialist training in May 2012. He went on to subspecialize in hip and knee surgery- primary, complex primary and revision joint replacement surgery by completing a clinical fellowship in London, Ontario, Canada. This is a large volume tertiary centre where he trained under various designer surgeons of widely used implants. Dr Pang is familiar with the various hip approaches in joint replacement, including the direct approach to total hip replacement. He is interested in conducting research and has more than 20 publications currently.



**Dr Tan Wei Loong Barry**  
**Orthopaedic Consultant**

Division of Adult Reconstruction  
and Joint Replacement Surgery  
National University Hospital

Dr Barry Tan graduated from the Yong Loo Lin School of Medicine, National University of Singapore (NUS) with a Bachelor of Medicine and Bachelor of Surgery (MBBS) degree and was awarded both the Eli Lilly and S.S. Ratnam Book Prizes. He was immediately accepted post-graduation into the distinguished NUHS Orthopaedic Surgery Residency Programme, commencing his Orthopaedic Surgery training. In the course of his training, he was elected and served as the Chairman of the NUHS' Residents committee, appointed a Member of the Royal College of Surgeons (Edinburgh) and conferred the NUS Master of Medicine (Orthopaedic Surgery). He completed his specialist training and was appointed as a Fellow of the Royal College of Surgeons, Edinburgh



# Programme

Wednesday 22 November

Smith+Nephew



Singapore  
Orthopaedic  
Association

| Time                                             | Session                                                                           | Speaker                   |
|--------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------|
| 8:30 – 9:00                                      | Arrival Registration at Singapore Academy                                         |                           |
| 9:00 – 9:10                                      | Introduction and Welcome Note                                                     | Medical Education         |
| <b>Session 1: Robotic-Assisted TKA &amp; UKA</b> |                                                                                   |                           |
| 9:10 – 9:20                                      | Clinical Evidence on Robotics: What Does the Data Say?                            | Barry Tan                 |
| 10:00 – 10:10                                    | CPAK and CORI Driving Physiological Alignment and Patient Specific Considerations | Pang Hee Nee              |
| 9:40 - 9:50                                      | How to Maximise your CORI TKA Practice                                            | Pang Hee Nee              |
| 9:50 – 10:00                                     | How to Maximise your CORI UKA Practice                                            | Barry Tan                 |
| 10:00 – 10:10                                    | Robotic-Assisted TKA: Set up and Step-by-step Execution                           | Pang Hee Nee<br>Barry Tan |
| 10:10 – 10:25                                    | Q&A and Discussion                                                                | All                       |
| 10:25 – 10:40                                    | Coffee Break                                                                      |                           |



| Time                               | Session                                                           | Speaker                   |
|------------------------------------|-------------------------------------------------------------------|---------------------------|
| <b>Session 2: Hands-on session</b> |                                                                   |                           |
| 10:40 – 10:45                      | Get Change and Proceed to the Lab                                 |                           |
| 10:45 – 13:30                      | <b>Robotic Assisted TKA &amp; UKA - Hands-On Cadaver Workshop</b> | All                       |
| 13:30 – 14:20                      | Lunch                                                             |                           |
| 14:20 – 14:30                      | Real Intelligence Platform: What's Coming Next?                   | S+N                       |
| 14:30 – 14:40                      | Q&A and Discussion                                                | All                       |
| 14:40 – 14:50                      | Meeting Summary, Certification & Closing                          | Medical Education Faculty |

# Notes

Handwriting practice lines consisting of 20 horizontal dotted lines.



### Course venue

Smith+Nephew Academy  
10th flr, 29 Media Cir.,  
#06-05 Alice @ Mediapolis,  
Singapore 138565

### Organisation and registration

Sarah Ruchi  
Senior Manager, Medical Education  
& Societies, ASEAN  
Sarah.ruchi@smith-nephew.com



This course has been awarded 3  
CPD points for the purposes of  
Continuing Medical Education  
(CME)



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## Course Certificates

Delegates will receive a certificate of attendance on completion of the course. Such certificate of attendance will be provided only to delegates who attend the entire course, unless there are exceptional circumstances. The course organiser will assess any exceptions for legitimate reasons.

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