Toronto Orthopaedics Comprehensive Hip and Knee Course

Program

November 28 – 29, 2024

Temerty Advanced Surgical Education & Simulation Centre
222 St. Patrick Street, Toronto Ontario Canada

Program Co-chairs
Dr. Amir Khoshbin
Dr. Jesse Wolfstadt
Dr. Michael Zywiel

Toronto Orthopaedics
Leadership. Innovation. Impact.

Surgery
UNIVERSITY OF TORONTO

TEMERTY CENTRE
Advanced Surgical Education and Simulation

Toronto Orthopaedics Comprehensive Hip and Knee Course

Program

Program

It is our pleasure and privilege to welcome you to the two-day Toronto Orthopaedics Comprehensive Hip and Knee Course.

This immersive learning experience is designed to advance the knowledge and practice of Orthopaedic clinical fellows and early career surgeons across Canada.

Overview

The Toronto Orthopaedics Comprehensive Hip and Knee Course is comprised of both didactic and hands-on cadaveric surgical skills stations.

Trainees will participate in interactive, evidence-based didactic sessions covering the current state of the art for arthroplasty care of patients with hip and knee arthritis and related pathology. This includes pre-operative planning, surgical approaches, clinical and economic outcomes and maximizing value of care.

In the hands-on skills lab, participants will have the opportunity to practice surgical approaches and techniques for primary THA, primary partial and total knee arthroplasty, as well as extensile/revision surgery for both hip and knee. This year will include the opportunity for participants to gain exposure to a variety of robotic assisted technologies for knee arthroplasty.

Sessions will take place in small groups under the guidance and direction of orthopaedic surgical faculty from across Canada. Participants will additionally have the opportunity to gain hands-on experience with different primary and revision hip and knee implants. Each station will have an assigned instructor to provide dedicated skills development feedback along with insights into a variety of tips to ensure successful outcomes.

OVERALL COURSE LEARNING OBJECTIVES

At the end of the program, participants will be able to:

- Make evidence-based recommendations to enhance surgical efficiency and patient recovery after hip and knee arthroplasty
- Employ clinical reasoning to formulate a surgical treatment plan for specific case-based scenarios in both hip and knee arthroplasty, including choice of surgical technique and implant
- Apply clinical and surgical tips and tricks to enhance workflow, and address both expected and unexpected intra-operative challenges

DAY 1

Didactic Session Learning Objectives

At the end of this session, participants will be able to:

- Describe the evidence and data supporting different approaches for THA, including relative advantages and disadvantages
- Recommend techniques to optimize intraoperative efficiency during THA
- Provide recommendations to patients and health care administrators regarding suitability for outpatient joint replacement

Cadaver Session Learning Objectives

At the end of this session, participants will be able to:

- Landmark and perform the critical steps of at least one common surgical approach for primary hip replacement
- Recognize and avoid the major pitfalls associated with at least one common surgical approach for primary hip replacement
- Understand strategies that can be employed to minimize intra-operative complications associated with contemporary total hip arthroplasty implant designs
- Landmark and perform an extensile approach to the acetabulum and femur
- Describe the critical steps of addressing common intra-operative complications of primary THA
- Understand the revision implant options for addressing fractures, bone loss and instability during a revision THA

DAY 2

Didactic Session Learning Objectives

At the end of this session, participants will be able to:

- Describe the evidence and data supporting different arthroplasty options for managing knee arthritis, including relative advantages and disadvantages
- Recommend techniques to optimize intraoperative efficiency during TKA
- Provide recommendations to patients and health care administrators regarding suitability for outpatient joint replacement
- Summarize the relative advantages and disadvantages of robotic-assisted technologies for knee arthroplasty

Cadaver Session Learning Objectives

At the end of this session, participants will be able to:

- Landmark and perform the critical steps of at least one common surgical approach for primary partial or total knee replacement
- Recognize and avoid the major pitfalls associated with at least one common surgical approach for primary partial or total knee replacement
- Understand strategies that can be employed to minimize intra-operative complications associated with contemporary partial and total knee arthroplasty implant designs
- Landmark and perform an extensile approach to the knee
- describe the critical steps of addressing common intra-operative complications of primary TKA
- Understand the technical and revision implant options for addressing bone loss and instability at the time of revision TKA
- Recognize the impact of robotic assistance on intra-operative workflow for TKA

Toronto Orthopaedic Comprehensive Hip & Knee Course
Temerty Advanced Surgical Education and Simulation Centre
222 St. Patrick Street, Toronto Ontario M5T 1V4

AGENDA - DAY 1
HIP

TIME	Thursday, November 28, 2024
07:15 – 07:45	**Group 1 Registration + Breakfast (12th Floor)** *Change into lab clothes & locker storage*
07:45 – 08:00	**Welcome & Opening Remarks (12th Floor)**
08:00 – 11:00	**Group 1 (12th Floor)** Hands-on Lab: Primary Total Hip Approaches and Revision Techniques
10:15 – 10:30 **10:30 – 11:00**	**Group 2 Arrival** **Registration + Scrub Change (12th Floor)** **Group 2 in Sponsor & Exhibitor Room (Main Floor, Auditorium)**
11:00 – 12:00	**Group 1 + 2 Lunch (Main Floor, Auditorium)** **Sponsor & Exhibitor Room Open**
12:00 – 13:15	**Case Presentations & Discussion: Hip (Main Floor, Auditorium)** *Session Moderator: Michael Zywiel* **Topic #1: Instability** Didactic lecture: Simon Garceau Case-based discussion: Simon Garceau, Adam Hart, Dan Pincus **Topic #2: Stem Geometry & Collars** Didactic lecture: Brent Lanting Case-based discussion: Brent Lanting, Jen Leighton, Jason Werle **Topic #3: Cement Fixation** Didactic lecture: Michael Zywiel Case-based discussion: Etienne Belzile, George Grammatopoulos, Bheeshma Ravi
13:15 – 13:30	**Plaque Presentation (Main Floor, Auditorium)**
13:30 – 14:00 **13:50 - 14:00**	**Sponsor & Exhibitor Room Open (Main Floor, Auditorium)** **Group 1 Departure** **Group 2 Proceed to 12th Floor**
14:00 – 17:00	**Group 2** Hands-on Lab: Primary Total Hip Approaches and Revision Techniques
17:00	**Day 1 Adjourns**

AGENDA - DAY 2
KNEE

Toronto Orthopaedic Comprehensive Hip & Knee Course
Temerty Advanced Surgical Education and Simulation Centre
222 St. Patrick Street, Toronto Ontario M5T 1V4

Time	Friday November 29th, 2024	
07:15 – 08:00	**Group 1 + 2 Change & Locker Storage (12th Floor)** **Breakfast (Main Floor, Auditorium)**	
08:00 – 09:30	**Opening Remarks & Robotic Live Stream (Main Floor, Auditorium)**	
09:30 – 10:30	**Group 1** **Robotic Sawbones** **(12th Floor)** Herman Dhotar Jamie Howard Michael Zywiel Jesse Wolfstadt Lisa Howard Vickas Khanna Mike Neufeld	**Group 2** **Case Presentations & Discussion: Knee** **(Main Floor, Auditorium)** *Session Moderator: Amir Khoshbin* **Topic #1: Alignment** Didactic lecture: Sebastian Tomescu Case-based discussion: Eric Bohm, Sebastian Tomescu **Topic #2: Fixation** Didactic lecture: Dan Tushinski Case-based discussion: Gavin Wood, Dan Tushinski **Topic #3: Periprosthetic Fracture** Didactic lecture: Steve Mann Case-based discussion: Amir Khoshbin, Steve Mann
10:30 – 10:50	**Morning Break; Sponsor & Exhibitor Room Open**	

10:50 – 11:50	**Group 2** **Robotic Sawbones (12th Floor)** Herman Dhotar Jamie Howard Michael Zywiel Jesse Wolfstadt Lisa Howard Vickas Khanna Mike Neufeld	**Group 1** **Case Presentations & Discussion: Knee (Main Floor, Auditorium)** *Session Moderator: Amir Khoshbin* **Topic #1: Alignment** Didactic lecture: Sebastian Tomescu Case-based discussion: Eric Bohm, Sebastian Tomescu **Topic #2: Fixation** Didactic lecture: Dan Tushinski Case-based discussion: Gavin Wood, Dan Tushinski **Topic #3: Periprosthetic Fracture** Didactic lecture: Steve Mann Case-based discussion: Amir Khoshbin, Steve Mann
11:50 – 12:10	**Lunch (Main Floor, Auditorium)**	
12:10 – 12:45	**Keynote Lecture: Understanding Alignment in 2024** Dr. Steven MacDonald	
12:45 – 13:00	**Group 1 Transition to 12th Floor**	

13:00 – 14:30	**Group 1** **Hands-on Revision Total Knee (12th Floor)**	**Group 2** **Case Presentations & Debate: Knee (Main Floor, Auditorium)** *Session Moderator: Amir Khoshbin* **Topic #1: Painful/unhappy TKA** Presentation: Lisa Howard Case-based discussion: Lisa Howard, Herman Dhotar **Topic #2: Managing Bone Loss** Presentation: Michael Neufeld Case-based discussion: Jamie Howard, Michael Neufeld **Topic #3: Patella Resurfacing** Presentation: Vickas Khanna Case-based discussion: Vickas Khanna, Jamie Howard
14:30 – 15:00	**Break; Sponsor & Exhibitor Booths Open**	
15:00 – 16:30	**Group 2** **Hands-on Revision Total Knee (12th Floor)** Michael Neufeld Jamie Howard Lisa Howard Sebastian Tomescu Michael Zywiel	**Group 1** **Case Presentations & Debate: Knee (Main Floor, Auditorium)** *Session Moderator: Amir Khoshbin* **Topic #1: Painful/unhappy TKA** Presentation: Jesse Wolfstadt Case-based discussion: Jesse Wolfstadt, Herman Dhotar **Topic #2: Managing Bone Loss** Presentation: Michael Neufeld Case-based discussion: Jesse Wolfstadt, Michael Neufeld **Topic #3: Patella Resurfacing** Presentation: Vickas Khanna Case-based discussion: Vickas Khanna, Herman Dhotar
16:30	**Closing Remarks & Adjourn**	

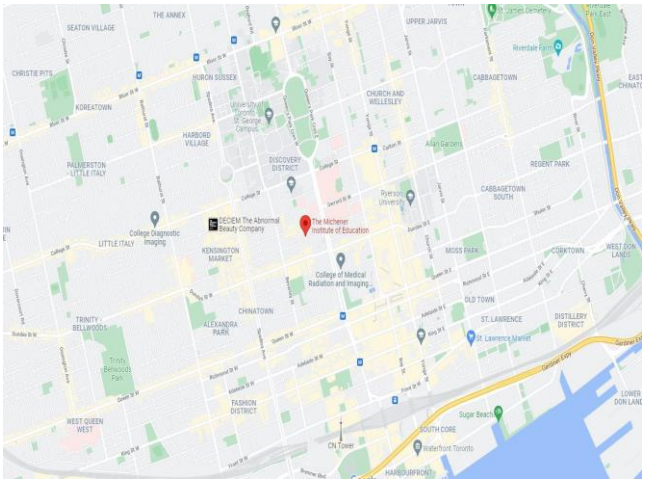
Cadaver Lab Sessions

8 stations with an instructor assigned to each station, 2-3 trainees per station

Location

We are pleased to host the Toronto Orthopaedic Comprehensive Hip & Knee Course Surgery International Course at the Temerty Advanced Surgical Education and Simulation Centre located within the Michener Institute of Education at UHN in the heart of Downtown Toronto.

www.temertysimcentre.com



Temerty Advanced Surgical Education and Simulation Centre
222 St. Patrick Street, Level 12
Toronto, Ontario Canada

Disclaimer: All faculty are required to disclose any potential conflicts of interest prior to and during presentations.