BENEFITS

Complete Orthopaedic Curriculum
One stop shop access to Knee, Spine and Trauma open-surgery procedures

Powerful Haptics system
Real life touch feedback for psycho-motor skills acquisition

Performance Metrics
Real time feedback and performance metrics to accelerate one’s learning curve and provide an objective and measurable evaluation

Unlimited Hands-on Experience
Cost effective solution for infinite practice time in identified areas of development

Embedded 3D Anatomy viewer and video based tutorial
for a full pedagogical experience
# Sim-Ortho™ - COMPLETE CURRICULUM

## TOOL HANDLING
- **Cutting**
  - Straight & oblique cuts
  - Osteotomy cuts
  - Arthroplasty cuts

## Bone Clamps
- Open reduction

## K-Wires & Steinmann Pins
- K-wire techniques
- Traction Technique
- External Fixation

## Drilling
- Straight & oblique drilling
- Internal fixation

## Needle Insertion
- Compartment syndrome diagnosis
- Joint injection & aspiration

## Burr

## ANATOMY.TV

### ACADEMIC PARTNERS

- **McGill University**
- **Western University - Canada**
- **Cedars-Sinai**
- **ORIBU**
- **COS**
- **The University of North Carolina at Chapel Hill**
- **Orthopaedic Research Institute Bournemouth University**
- **Research Institute for Symbolic Computation RISC**
- **Institut et hôpital neurologiques de Montreal Montreal Neurological Institute and Hospital**
- **Hôpital Maisonneuve-Rosemont Centre affilié à l'Université de Montreal**
- **King Fahad Medical City**

# Spine

## Spinal Fusion
- C0 - C2
- C4 - C5
- T12 - L2
- L5 - S1

## Laminctomy
- C3
- C4
- C5
- C6
- T10
- T11
- L2
- L3
- L4
- L5

## Discectomy
- C4 - C5
- L4 - L5
- L5 - S1

## Interbody Fusion
- LLIF
- L2 - L3
- LLIF
- L3 - L4
- TLIF
- L4 - L5
- TLIF
- L5 - S1

## COMING IN 2019
- **Scoliosis**
  - Lenke 1 Main Thoracic
  - Lenke 2 Double Thoracic
  - Lenke 3 Double Major
  - Lenke 4 Triple Major
  - Lenke 5 L/T
  - Lenke 6 L/T Main Thoracic

## Intramedullary Nailing
- Intertrochanteric hip Fx
- Femoral shaft Fx
- Tibial shaft Fx

# Knee

## Osteotomy
- Tibial Osteotomy
  - Open Wedge
  - Closed Wedge

## Partial Knee Replacement
- Medial with Mobile Plate
- Medial with Fixed Plate

## Total Knee Replacement
- Right Knee
- Left Knee
- Complex Knee Arthroplasty

## COMING IN 2019
- **Hip**
  - Right Hip
  - Left Hip
  - Complex Hip Arthroplasty

## Trauma

## Fixation-wires
- Wrist FX
- Proximal ulna Fx
- Pediatric subcondylar FX

## External Fixator Placement
- Wrist FX
- Proximal tibia Fx
- Pelvis FX

## Cannulated Screws
- Subcapital hip Fx
- Transcervical hip Fx
- Distal femur Fx

## Plate and Screws
- Wrist FX
- Ankle FX
- Distal femur FX
- Mid-clavicle FX

## Dynamic Condylar Screws
- Intertrochanteric hip Fx
- Distal femur Fx

## Blade Plates
- Distal femur Fx