

EORS 2024, Workshop

Wednesday, 18 Sep, 09:00 - 11:30 CEST

Simulation-based training: hip fractures, distal radius fractures, supracondylar humeral fractures, guide wire navigation, and ultrasound of developmental dysplasia of the hip.

Come and participate, try the simulators, and exchange ideas with orthopods and engineers.

The workshop has a limited number of seats. Registration is required through [the online registration here](#).

Faculty:

- 1) Jan Duedal Rölfing, Associate Professor, MD, PhD; Orthopaedics Surgeon at Aarhus University Hospital, Denmark, and Simulation Centre: MidtSim, Aarhus, Denmark
- 2) Steven Long, PhD, Engineer and President of Iowa Simulation Solutions, Iowa, USA
- 3) Mads Emil Jacobsen, MD, PhD student, and Amandus Gustaffson, Associate Professor, MD, CAMES - Copenhagen Academy for Medical Education and Simulation, Copenhagen, Denmark
- 4) Hans-Christen Husum, MD, PhD, Interdisciplinary Orthopaedics, Aalborg University Hospital, Denmark
- 5) Facilitator from VirtaSim.dk

General info:

Procedure: Volar locking plate fixation of a distal radius fracture.

Teaching goals: To train the user in distal radius fracture fixation. The simulation includes fracture reduction and preliminary fixation, final fixation using plate and screws, as well as final fluoroscopic control of the surgical product.

Target group: Orthopaedic residents at the beginning of their surgical education, but also more experienced surgeons in need of “refreshing”, operating room nurses etc.

Facilitators: Vitasim / Mads Emil Jacobsen, MD / Amandus Gustafsson, MD.

Procedure: Pediatric hip ultrasound for diagnostics in developmental dysplasia of the hip (DDH)

Teaching goals: To train the user in performing dynamic and static hip ultrasound examinations and applying multiple measurement techniques (Alpha/beta angles, Femoral head coverage, Pubo-femoral distance measurements).

Target group: Anyone involved in the diagnostics or treatment of neonate DDH, i.e. pediatric orthopaedic surgeons, pediatricians, radiographers, radiologists, nurses etc.

Facilitators: Vitasim / Hans-Christen Husum, MD, PhD.

Procedure: Guide wire navigation in hip fractures, pelvic fractures, supracondylar humeral fractures.

The wire navigation simulator has been developed with support from the Agency for Healthcare Research and Quality (AHRQ), the Orthopedic Trauma Association (OTA), the American Board of Orthopedic Surgery (ABOS), and the Pediatric Orthopedic Society of North America (POSNA). The wire navigation simulator helps train residents on a variety of pinning techniques including femoral neck fractures, intramedullary nail placement, pediatric elbow fractures, and sacral iliac screw placement. For over five years, the simulator has been integrated into the OTA resident fracture courses and will be included in the IPOS top gun event in the fall of 2024.

Facilitators: Steven Long, PhD / Jan Duedal Rölfing, MD, PhD