“Navigation, Robotics and Managing Bone Defects in Surgery”

Dr. Ahmed Aoude, M.Eng., MD, FRCSC
Assistant Professor of Surgery, Department of Surgery, McGill University
Staff Orthopaedic Surgeon, MSK Oncology Surgeon, Orthopedic Spine Surgeon,
Montreal General Hospital

Objectives:
Dr. Ahmed Aoude will be presenting on state of the art and innovation in spine surgery including robotics, navigation and augmented reality as well and his research in the field. He will also discuss large bone deficits and the challenge it causes for the orthopaedic oncologist and the possible solutions that exist as well as his research.

Biography:
Dr. Ahmed Aoude is an assistant professor in orthopedic surgery at McGill University. He completed fellowships in orthopedic oncology at Mount Sinai Hospital in Toronto and spine surgery at Foot Hills Medical Center in Calgary. His practice includes complex oncology resections and spine reconstructive surgery. Prior to medicine Dr. Aoude obtained degrees in biomedical engineering and electrical engineering at McGill University. He also was a project manager designing and developing computer assisted surgery equipment and techniques for orthopedic surgery prior to pursuing his MD at University of Montreal. To date, he has multiple orthopedic surgery patents and many peer reviewed publications in orthopedics. His research interests include clinical outcomes, surgical techniques as well.

Student Presenter:
“Novel Profiling Method to Detect Hypoxia Biomarker after Cold Therapy at Bone Injury Site”
Matthew Zakaria, MSc,
Experimental Surgery Thesis - Surgical Innovation
Supervisor: Dr. Edward Harvey