



DR. ABDEL-RAHMAN LAWENDY

MD, FRCSC, PhD

Chief Orthopedic Trauma Service

Graduate Program Chair, Department of

Surgery Western University

Site Chief/ Medical Director LHSC Surgicentre

BIO SKETCH

Dr. Abdel-Rahman Lawendy completed his HBSc at the University of Waterloo. He graduated from medical school at The University of Western Ontario in 2003 and completed his residency in Orthopaedic Surgery from Western in 2008, followed by a fellowship in Orthopedic Trauma. He completed a fellowship in arthroscopy with Dr. Peter Fowler in Doha, Qatar and was appointed as Assistant Professor in the Department of Surgery in 2009 and finished his PhD (Medical Biophysics) in 2014.

He is currently appointed as an Associate Professor in the Department of Surgery in the division of Orthopedics. He is the clinical Chief of the Orthopedic Trauma Unit, the Post-Graduate Chair of the Masters of Surgery Program, the medical director and site chief of the LHSC surgical center and former Assistant Dean for the Schulich School of Medicine and Dentistry supporting international educational initiatives. Dr. Lawendy has been a regional Director in the Royal College of Physicians in Surgeon supporting international training and research development since 2015. Dr. Lawendy has worked all over the world as a volunteer surgeon in conflict and combat zones with NGO's including Medicine Sans Frontier. Dr. Lawendy is a passionate researcher and educator. He has helped architect both the research infrastructure and research programs at Victoria hospital to support basic science research in microcirculation, drug development and biomechanics.

Dr. Lawendy's clinical practice is focused on Adult Orthopedic Trauma, with particular interest in complex lower extremity reconstruction. Dr. Lawendy is recognized as an international expert in the basic science of Compartment Syndrome. His current research focus is in describing the pathophysiology of Compartment Syndrome; a traumatic disease that leads to loss of limb or life. His laboratory has established a small animal model to study microvascular changes that occur in this low flow ischemic state. The goal of his research is to implement medical therapies (Carbon Monoxide) demonstrating efficacy in the reduction of tissue injury. Dr. Lawendy presently holds grants from, Canadian Institutes of Health Research, the Heart and Stroke Foundation, the Orthopedic Trauma Association, the AMOSO Opportunities Fund, the Department of Surgery, and the Lawson Health Research Institute. Dr. Lawendy has contributed to 64 peer-reviewed journal articles and 3 book chapters. He has lectured in Europe, Japan, China the Middle East and across North America in the area of Orthopedic.