

Brief Bio

Prof. Amin Madani

Dr. Madani is an endocrine and acute care surgeon at the University Health Network (UHN) and Assistant Professor of Surgery at the University of Toronto. He completed his general surgery residency at McGill University, where he also obtained his PhD in surgical education and innovation. He subsequently completed a clinical fellowship in endocrine surgery at Columbia University-New York Presbyterian Hospital, where he now specializes in the surgical management of thyroid, parathyroid and adrenal disease. Dr. Madani's research focus is in surgical expertise and the design, development and validation of technology (such as artificial intelligence and simulation) to optimize performance in the operating room. He is the director of the Surgical Artificial Intelligence Research Academy at UHN, where he leads a team of surgeons, computer scientists, engineers and game developers. Dr. Madani also serves as the chair of the Surgical Data Science Task Force of the Society of American Gastrointestinal and Endoscopic Surgeon, and he is the co-founder and chair of the Global Surgical AI Collaborative, spearheading efforts to disseminate surgical expertise through AI and Machine Learning around the world in a sustainable manner.