Journal of Medical Implants & Surgery

Robotic Gastrointestinal Surgery

Rodolfo J. Oviedo
Houston Methodist Department of Surgery, USA

Abstract

The field of gastrointestinal surgery has experienced the progression of minimally invasive techniques including the robotic approach, which enables surgeons to perform the most advanced operations with minimal tissue trauma, decreased risk of complications, and improved ergonomics which mimic the human hand movements with enhanced visualization. The robotic applications in gastrointestinal surgery for benign and malignant disorders has revolutionized the way in which surgery is performed in the United States and other countries. The sub-specialties of metabolic and bariatric, colorectal, hepatobiliary and pancreatic, and foregut/anti-reflux surgery have witnessed the production of high-quality randomized controlled trials, meta analyses, prospective and retrospective cohort studies which have established, in many instances, superior results to those of laparoscopy and at least non-inferior outcomes. The following lecture will present an abbreviated yet thorough overview of the current status of robotic gastrointestinal surgery. It will also illustrate the advances that have been achieved to date as a product of perseverance, determination, and the pursuit of innovation with patient safety as the priority.

Biography:

Rodolfo J. Oviedo, MD, FACS, FASMBS graduated from medical school at The University of Texas at San Antonio in 2007, and from Houston Methodist General Surgery Residency Program in 2013. He decided to pursue an Advanced Minimally Invasive Gastrointestinal and Bariatric Surgery Fellowship at Baptist Hospital of Miami from 2017 to 2018. He is a board-certified and fellowship-trained metabolic and bariatric surgeon, robotic advanced gastrointestinal surgeon, and flexible endoscopic surgeon. He is a Diplomate of the American Board of Surgery, a Fellow of the American College of Surgeons, and a Fellow of the American Society for Metabolic and Bariatric Surgery. .

Note: This work is partly presented at Webinar on Neurosurgery, February 26, 2021| London, UK