

# 東京医学会

東京医学会 第 2815 回集会

日時：令和 5 年 1 月 26 日(木) 18 : 00~19 : 00

場所：臨床研究棟 A 1F 会議室 1

演者： **Professor Steven D. McCarus**

(所属) Advent Health Winter Park, Orlando, Florida, USA

演題： Building the Bridge from Laparoscopy to Digital Surgery- The Asensus Surgical System

紹介： The use of robotics in surgery were hypothesized as far back as 1967. Almost 30 years until the department of defense in conjunction with innovative startups to complete the first fully functional surgical robot, its use was intended for long distance trauma surgery in battlefield setting. Currently the most prominently available multipurpose robotic system is Da Vinci Surgical System by Intuitive Surgical Inc., Recently, the Senhance Surgical system was FDA approved (2017) and purchased in (2019) at Advent Health Winter Park Hospital. Our project was to collect data to validate patient safety and hospital, surgeon, and surgical system benefits. Building the largest GYN Senhance program in the USA, with active surgeon users and a strong surgical team we are fully integrated. Moving the needle forward with plans to add augmented intelligence and machine vision real time surgical image analytics. Providing surgeons with relevant, standard reusable instruments (lower cost), haptic sensing, eye-tracking camera control, digital fulcrum, and ergonomically comfortable surgeon positioning (benefits) with high patient satisfaction rates, the program has been very rewarding. The outcome of our program will be the start of a newer proven choice in the field of robotic surgery.

主催：東京医学会

共催：東京大学医学部産婦人科学教室