



AGENDA - SDTS
February 22-24, 2024
Chair: Erik Wilson, MD

Thursday, February 22, 2024

Registration: 5:00pm-8:00pm
Welcome Reception: 7:00pm-9:00pm

Friday, February 23, 2024

Registration: 7:00am-6:00pm
Sessions: 7:45am-5:00pm
Innovation Dinner: 6:00pm-9:00pm

7:00-8:15 AM | Breakfast

7:30-7:45 AM | NBT Innovation Weekend Opening Welcome – Christopher Schlachta, MD
SDTS Welcome and Objectives: Erik Wilson, MD

7:45-11:45 AM | The Digital Surgery Landscape

These sessions will explore issues associated with integrating digital technology into surgical practice, evaluating the potential advantages and drawbacks of training and education with digital platforms as well as the changes digital analysis, augmented reality and machine learning can make in the operating room. Multiple sessions and panel discussions will include the following topics:

Video Capture Approaches and Annotations
Postoperative and Intraoperative Navigation Tools
Objective Performance Indicators and Digital Gestures
Telementoring, Telepresence, and Telesurgery
Digital Enhancement of Operating Theater and Surgical Efficiency
Simulation and Digital Training Techniques
Regulation in Artificial Intelligence

12:00-1:00 PM | Lunch – How changing centers of care are driving innovation

The pathway of innovation applies across many aspects of the health care system from the investor to the entrepreneur to the provider. Just as devices and procedures are disruptive, new disruptive centers of care are transforming surgical approaches. Home hospital models, outpatient surgical centers, community hospitals, and tertiary referral centers are all developing and evolving. This panel will examine how the value propositions of bringing life changing ideas and devices to the health care environment change with these adjusting centers of care.

1:00-2:40 PM | An Innovators M&M

This session is a new twist on a regular event in the life of surgeons: the morbidity and mortality conference. M&M is an open forum where a surgeon discusses a complication that occurred from a surgical case with colleagues, analyzing it with an honest view to try to determine what could have been done better to improve the outcome. This M&M is no different but the surgeons are replaced by innovators and the complication is from a surgery but from a company and its devices. We will hear the cases, looking at past decisions and learning in hopes of making better moves in device development in the future. Each panelist will present a company or device followed by feedback from the audience.

2:40-3:00 PM | Break

3:00-5:00 PM | SAGES Shark Tank Semi Finals

The SAGES Shark Tank competition is growing and building excitement. The semi-finals will be live and in-person. Up to ten start-ups will be presented and evaluated with audience and panel participation. Finalists will be selected for presentation at SAGES Annual Meeting in Cleveland in April 2024.

6:00-9:00 PM | *Cocktails followed by Dinner Discussion: The New Normal in Innovation from 2019 to 2024*

This dinner discussion will be provocative and engaging with Dr. Billy Cohn giving an overview of the process of innovation in and then a panel discussion comparing and contrasting the changes in the road of development new surgical technologies from 2019 to 2024. Economic challenges, financial support models, production supply chains and regulatory adjustments are vastly different in the past 5 years. A global pandemic changed many things in our surgical world including vast changes in how we innovate surgery.

Saturday, February 24, 2024

Registration: 7:00am-4:00pm

Sessions: 7:45am-5:00pm

7:00-8:15 AM | *Breakfast*

7:45 AM-12:00 PM | My Favorites

The my favorites format returns in full force with new topics. This session will compare and contrast surgical devices and techniques with short explanations of each approach and a comprehensive question and answer discussion. Panelists will spend one minute describing their approach and then an open debate of technique and devices will continue until potential gaps in the toolset are revealed that could lead to further innovative options for the future of procedures. Topics being debated include the following:

My favorite Laparoscopic Insufflator

My favorite Incisional Hernia Repair

My favorite Digital Surgical Analysis Tool

My favorite Ergonomic Approach to Surgery

My favorite Endoscope

My favorite Surgical Magnets

My favorite Ablative Energy Device

My favorite Stent

My favorite VR trainer

My favorite trocar closure technique

12:00-1:15 PM | My favorite unmet surgical need

This lunch session will take the my favorites format and dive into what clinical problems exist which surgeons find common or important. The clinic, operating room, and procedure suite all have daily challenges which innovation has failed to fully address. The panel members will present one of their most relevant challenges and a discussion will proceed to determine why these areas of clinical practice have been so difficult to solve.

1:15-5:00 PM | Digital Surgical Platforms: State of the Technology

The recent substantial rise in robotic surgical platforms has occurred with soft tissue robotics receiving large amounts of investment, research, engineering, and commercialization. Surgical robots are being made and released all over the world and the focus of these platforms are broad and varied. These sessions will evaluate current, new to market, and potential digital surgical platforms which argue to become the new way we will operate and perform advanced procedures over the next 5 to 10 years. Robotic platforms will be presented in multiple sessions with panel discussions encompassing the following topics.

Ecosystems built into Robotic Platforms

Robotics Focused on the Site of Care

Variability in Robotics Patient Cart Footprints

Multiport versus Single Access Approaches

Ergonomic Approaches to Robotic Surgery

Task Focused Robotic Platforms in Surgery

Cost Efficient Models of Robotics Adoption