



PLENARY 4

SRS 2024

SUNDAY, JUNE 23 - ACACIA BALLROOM 1 & 2

PLENARY 4: FUTURE OF ROBOTIC SURGERY

7:30am **Welcome** *G. Abbas, Vipul Patel and S. Ross*

SESSION 1: CARDIAC ROBOTICS

Moderators: R. Madder, S. Balkhy

Panelists: N. Starksen, A. Abbas, G. Abbas, J. Bonnatti, S. Guy and P. Carnegie (MIS Solutions)

7:30am - 8:45am **Cardiac Robotic Systems & Cardiology Applications : (10 min lectures)**

- Capstan Medical *Amy Kerdok*
- SSI Innovations *Sudhir Srivastava*
- Robocath *Badrhi Iyengar*
- DaVinci *Bob Desantis*
- Rob'E *Dimitry Schewel*

8:30am - 8:45am **Panel Discussion Q&A**

SESSION 2: ARTIFICIAL INTELLIGENCE IN SURGERY

Moderators: Todd Heniford and D. Niewolny (NVIDIA)

Panelists: Shan Jegatheeswaran (JJ), T. Jarc (IS), Tamir Wolf (Theator), Nadine Haram (Proximie), R. Toletti (Andor Health), Y. Mao (Ronovo), Rob Purinton

8:45am - 9:45am **Panel Discussion: Artificial Intelligence: Its Role in Modern Day Surgery**

- 8:45am - 8:55am - How the Use of AI can Improve Clinical Practice *Todd Heniford*
- 8:55am - 9:05am - The Use of AI in the Hospital Setting *Raj Toletti (Andor Health)*
- 9:05am - 9:15am - AI Solutions for Healthcare *David Niewolny (NVIDIA)*
- 9:15am - 9:45am - Panel Discussion *Led by Moderators*

SESSION 3: HUMANITARIAN BENEFITS OF SURGERY AS AN AVENUE TO DEMOCRATIZE GLOBAL HEALTHCARE

Telesurgery Moderators: F. Moll and Mischa Dohler

Panelists: Rick Satava, Y. Wang (Sovato), M. Trumbore (FDA), David Niewolny (NVIDIA)

9:45am - 10:00am **KEYNOTE ADDRESS: The Democratization of Healthcare** *Jagi Gill*

10:00am - 11:00am **Telesurgery: Update of the Telesurgery Collaborative Community Working Group Findings**

Telesurgery Moderators: F. Moll and Mischa Dohler

Panelists: R Satava, Y Wang (Sovato), M Trumbore (FDA), David Niewolny (NVIDIA)

- 10:10am - 10:20am - Telesurgery: The Humanitarian Applications to Improve Global Surgical Equity *Vipul Patel*
- 10:20am - 10:30am - Transcontinental Prostatectomy Rome to Beijing: *Vito Pansadoro*
- 10:20am - 10:30am - Teleconnectivity: Ensuring Fast, Secure and Reliable Connectivity *Mischa Dohler*
- 10:30am - 10:40am - Possible Technology Solutions *David Niewolny (NVIDIA)*
- 10:40am - 11:00am - Panel Discussion: Next Steps to Make Telesurgery a Feasible Option

11:00am - 12:15pm **The Digital Future of Surgery**

Moderators: Vipul Patel and David Niewolny (NVIDIA)

Panelists: S. Saikali, M. Roche, Mischa Dohler, B. Ashar (FDA), T. Jarc (Intuitive Surgical),

R. Toletti (Andor Health), Paola Ardon (Technology Innovation Institute, Abu Dhabi), Rob Purinton, S Orungo (Crosswork)

Introductory Comments: David Niewolny (Director of Business Development for Healthcare, NVIDIA)

- NVIDIA: A Vision for the Future of AI in Surgery *David Niewolny*
- Advanced Visualization Intraoperative Molecular Imaging and the Future of Cancer Surgery *Ben Lundgren (On Target)*
- HaptX: The Incorporation of Robotic Haptix Into Surgery *Bob Crockett (CEO Haptx)*
- The Rise of AI Driven Humanoid Cobots *Jeff Cardenas (CEO Apptronik)*

Panel Discussion *Vipul Patel and David Niewolny*

12:15pm - 12:30pm **Closing Remarks** *S. Ross, G. Abbas, Martin Martino, E. Parra Davila, Vipul Patel*

12:30pm **Crosswork Video**