

THURSDAY 21ST MARCH

PLENARY ROOM

02.30 p.m. - 04.30 p.m.

Robotic Surgery

President: G. De Sena (Napoli)

Chairmen: D. Cavaliere (Forli), G. Ceccarelli (Spoleto)

Panelists: F. Borghi (Cuneo), F. Priora (Alessandria), C. Terrone (Genova), M. Testini (Bari),
E. Vander Poorten (BE)

02:30 **Lecture: the evolution of technology rise of robotics in surgery**
G. Spinoglio (Milano)

WHERE ARE WE NOW?

02:40 **Perception in robotic surgery**
P. Fiorini (Verona)

02:47 **Learning curve and training in robotic surgery**
G. Formisano (Grosseto)

02:54 **Artificial intelligence**
S. Mancuso (Pordenone)

VIDEOFORUM PEARLS, PERILS, AND PITFALLS OF ROBOTICS IN ABDOMINAL AND PELVIC SURGERY

03:01 **GI - Robotic gastrectomy lymphadenectomy and reconstruction**
A. Marano (Cuneo)
03:08 Expert: A. Coratti (Firenze)

03:11 **GYN - Robotic aortic lymphadenectomy in endometrial cancer**
G. Vizzielli (Roma)
03:18 Expert: F. Alessandri (Genova)

03:21 **HPB - Robotic DCP tips and tricks**
M. De Luca (Bari)

30° Congresso Nazionale SPIGC

Encouraging Young Surgeons and Engineers

9th Joint Workshop on New Technologies for Computer/Robot Assisted Surgery CRAS

03:28 Expert: U. Boggi (Pisa)

URO - Robotic partial nephrectomy

03:31 P. Traverso (Genova)

03:38 Expert: C. Giberti (Savona)

TOR - Robotic lobectomy

03:41 C. Zirafa (Pisa)

03:48 Expert: F. Melfi (Pisa)

SURGEON & ENGINEER. HOW TO MOVE FORWARD?

What does the surgeon expect

03:51 P.P. Bianchi (Grosseto)

What the engineer can offer

03:58 B. Davies (UK)

SELECTED ABSTRACT

04:05 **Combining machine learning and kinematic analysis to control medical cable-driven flexible instruments**

Rafael Aleluia Porto, Florent Nageotte, Philippe Zanne, Michel de Mathelin

04:12 **Toward a knowledge-based framework for task automation in surgery**

Michele Ginesi, Daniele Meli, Hirenkumar Nakawala, Andrea Roberti, Andrea Calanca, Paolo Fiorini

04:19 **Robotic-assisted ventral hernia surgery: outcomes of the first 56 cases**

Dimitri Krizzuk, Sofia Esposito, Lucia Salvischiani, Dario Sirimarco, Giampaolo Formisano, Paolo Pietro Bianchi