

Chairmen:

Francesco Porpiglia

Department of Urology, San Luigi Gonzaga Hospital, School of Medicine, University of Turin, Orbassano, Italy

Jihad H. Kaouk

Director, Center for Robotic and ImageGuided Surgery, Cleveland Clinic, Cleveland, USA

Alex Mottrie

Department of Urology O.L.V. Clinic Aalst, Belgium

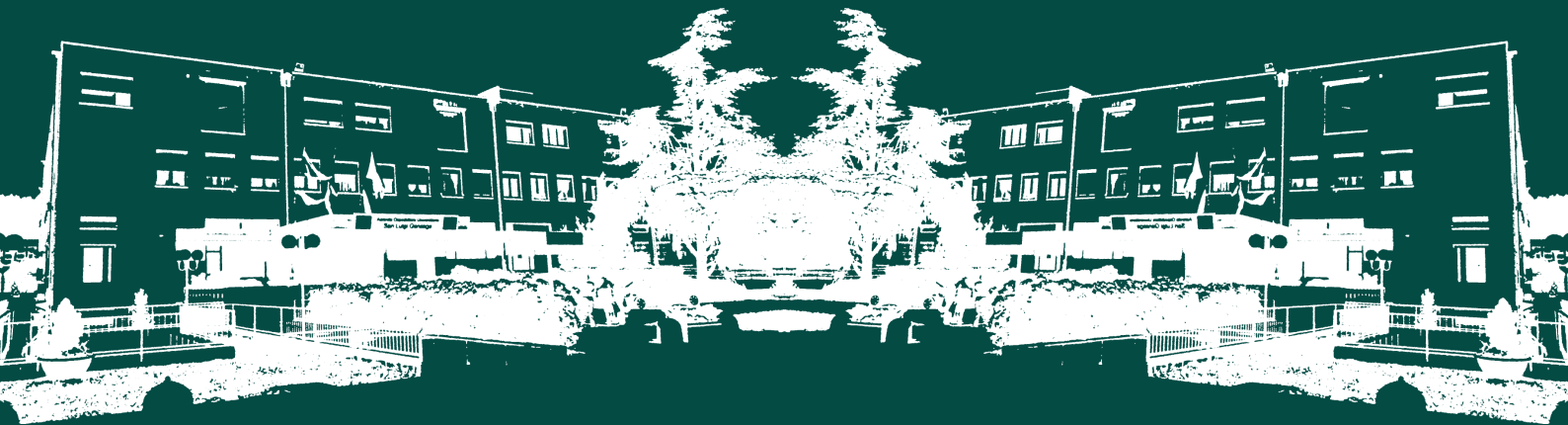
Riccardo Autorino

Department of Urology McGuire VA Medical Center and Virginia Commonwealth University Richmond, VA, USA

8TH INTERNATIONAL TECHNO-UROLOGY MEETING (TUM) TOWARDS ARTIFICIAL INTELLIGENCE IN SURGERY?

30th - 31st January 2020

Aula Convegni S. Luigi Gonzaga Hospital
Orbassano, Turin, Italy



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INTRODUCTION

Modern surgical practice has been evolved by the introduction of innovative technologies during the last decades and with the technological improvement minimally invasive urologic surgery is a reality, especially in tertiary care centres.

Imaging has evolved together with the surgical technologies and CT / RM – based 3D reconstructions have become one of the key point for “precision surgery”.

In this scenario, augmented reality that enhance the real anatomy with the 3D virtual images has gained popularity and is leading us toward a “next” level of surgery.

With the present eight edition, the Techno- Urology Meeting aims to highlight the breakthroughs of extended reality.

The virtual environment will drive the surgeons during all the phases of the intervention: thanks to the head-mount display system, the “mixed reality” experience will assist the preoperative planning, whilst intraoperatively the latest evolution of augmented reality software with the implementation of artificial intelligence will allow a real automatic computer-assisted surgery.

The scientific program will include a stimulating combination of live surgery sessions and lectures and will be enriched by an outstanding SURS meeting which encompasses the most important key points of modern surgery.

We would like to welcome those who have decided to come back after joining us during the previous editions, and those who are new to the TUM.

We look forward to seeing you in Turin!

Kindest regards.



Francesco Porpiglia



Jihad H. Kaouk



Alex Mottrie



Riccardo Autorino

• January 30th 2020 •

Day 1

8.00 - 8.30 Welcome & Introduction

Roberto Mario Scarpa (Honorary President of the meeting), Dario Fontana (Honorary President of the meeting), Jihad H. Kaouk, Alex Mottrie, Francesco Porpiglia, Riccardo Autorino

8.30 - 8.45 Lecture: 3D Printing in surgery Giovanni Cacciamani

Presenter: Roberto Maria Scarpa

9.00 - 9.15 - Live cases presentation

9.15 - 13.30 Live Surgery Day 1

From O.R.1 – 3D Augmented Reality robotic surgery with automatic guidance

Panelists: Antonio Galfano, Alessandro Antonelli, Riccardo Schiavina

Robotic-assisted partial nephrectomy Andrea Minervini

Robotic assisted radical prostatectomy Jens Uwe Stolzenburg

From O.R.2 - 3D Augmented Reality robotic surgery with automatic guidance

Panelists: Rocco Damiano, Vincenzo Ficarra, Ithaa H. Derweesh

Robotic-assisted partial nephrectomy Alexandre Mottrie

Robotic-assisted radical prostatectomy broadcasted from San Raffaele, Milan Alberto Briganti

From O.R.3 - 3D “cognitive” surgery

Panelists: Massimo Valerio, Cosimo De Nunzio, Richard Naspro

Robotic Confocal endomicroscopy during radical prostatectomy–broadcasted from Modena

Bernardo Rocco

Laparoscopic retroperitoneal adrenalectomy Francesco Porpiglia

Robotic-assisted simple prostatectomy Vito Pansadoro

13.30 – 14.30 Lunch

14.30 – 17.30 SURS Session

Chairmen: Jihad H. Kaouk, Riccardo Autorino

14.30- 15.30 Lectures

Moderators: Fabrizio Dal Moro, Homayoun Zargar

Nuclear imaging in the management of renal masses Mohamad Ezzeddine Allaf

Augmented reality surgical navigation for robotic NSS Francesco Porpiglia

RAPN for large renal masses: is there an oncological and functional rationale? Ithaa H. Derweesh

Outpatient robotic extraperitoneal radical prostatectomy Jihad H. Kaouk

Anatomical approach to robotic radical prostatectomy Ashutosh Tewari

15.30-17.00 Semi-live session

Moderators: Ashutosh Tewari, Vito Pansadoro

Single port perineal prostatectomy Jihad H. Kaouk

“Hood technique” robotic assisted radical prostatectomy Ashutosh Tewari

Robotic kidney transplant: how I do it Alberto Breda

Advanced robotic kidney surgery Mohamad Ezzeddine Allaf

Robotic transvesical simple prostatectomy: towards a standardized technique Riccardo Autorino

17.00-18.00 Round Table

Moderators: Mohamad Ezzeddine Allaf, Vincenzo Ficarra

How to incorporate robotics into your practice Mohamad Ezzeddine Allaf

Robotic applications in urology: differences between Italy and US Bernardo Rocco

New robotic platforms: clinical results Jens Uwe Stolzenburg

• January 31st 2020 •

Day 2

8.15 - 8.30 Welcome and morning report on surgeries from day 1

8.30 - 8.45 Lecture: Towards artificial intelligence: engineer and surgeon points of view

Pietro Piazzolla, Francesco Porpiglia

Presenter: Riccardo Autorino

8.45 – 9.00 Live cases presentation

9.00 - 13.30 Live Surgery Day 2

From O.R.1 - Tips & tricks from the experts

Panelists: Alessandro Volpe, Giuseppe Carrieri, Abhay Rane

Robotic-assisted partial nephrectomy Homayoun Zargar

Robotic-assisted nephroureterectomy–ureteroscopy with probe-based confocal laser endomicroscopy Alberto Breda

From O.R.2 - 3D Augmented Reality robotic surgery with automatic guidance

Panelists: Carlo Terrone, Giorgio Gandaglia

Robotic-assisted radical prostatectomy Ashutosh Tewari

Robotic-assisted partial nephrectomy for complex case Jihad H. Kaouk

From O.R.3 - Color guided laparoscopic surgery

Panelists: Ciro Imbimbo, Giovanni Muto, Umberto Capitano

Laparoscopic pyeloplasty Evangelos Liatsikos

Laparoscopic partial nephrectomy Renaud Bollens

13.30 – 14.30 Lunch

14.30 – 17.30 Live Surgery Day 2

From O.R.1 - 3D Augmented Reality robotic surgery with automatic guidance

Panelists: Marco De Sio, Giuseppe Morgia, Eugenio Brunocilla

Robotic-assisted radical prostatectomy Walter Artibani

Robotic-assisted ureteral reimplantation tbd/pyeloplasty Nicolò Maria Buffi

From O.R.2 - Tips & tricks from the experts

Panelists: Sisto Perdonà, Francesco Esperto, Alberto Lapini

Robotic Radical prostatectomy–broadcasted from USA Vipul Patel

Extraperitoneal Robotic-assisted radical prostatectomy Estevao Lima

From O.R.3 - Broadcasted surgery from IRCC Candiolo

Panelists: Ithaar H. Derweesh, Riccardo Campi, Nazareno Suardi

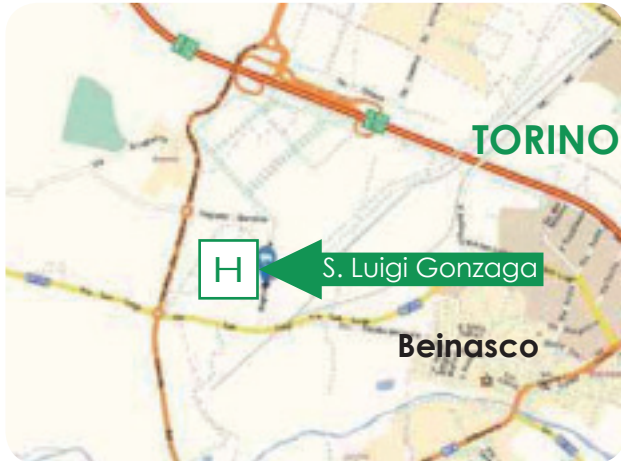
Totally intracorporeal urinary diversion Peter Wiklund

17.30-18.00 Lecture: Inflammation and infection in BPH: how to treat? Matteo Manfredi

Presenter: Cristian Fiori

18.00 Adjournment

Test ECM (for Italian Delegates only)



ITALIAN ECM ACCREDITATION

The 8TH INTERNATIONAL TECHNO-UROLOGY MEETING has been accredited by the Italian Ministry of Health.

The Italian Ministry of Health assigned n. 16 ECM Credits.

The Congress has been accredited for the following specialties:

- Oncology
- Radiotherapy
- Urology
- Pathological anatomy
- Radiodiagnostics

In order to receive Italian credits participants must attend 90% of the event and pass the final test.

CONGRESS VENUE

Aula Convegni - S. Luigi Gonzaga Hospital
Regione Gonzole, 10
10043 Orbassano (Turin), Italy

MEETING PLANNER



FEDRA Congressi

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TRAVEL INFORMATION

For travel and hotel information please contact the Organising Secretariat.

OFFICIAL LANGUAGE

The official language of the Congress is English.

EXHIBITION AREA

The Exhibition Area will be available in the foyer of the congress venue.

REGISTRATION FEE

Delegates:

Before September 30th, 2019: € .350,00
Between September 30th, 2019 and December 15th, 2019: € . 400,00
After December 15th, 2019: € . 500,00

Trainee /Residents:

Before September 30th, 2019: € .100,00
Between September 30th, 2019 and December 15th, 2019: € .150,00
After December 15th, 2019: € .200,00

WEBSITE

Visit our website at:

www.technourologymeeting.com



FEDRA Congressi

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