

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

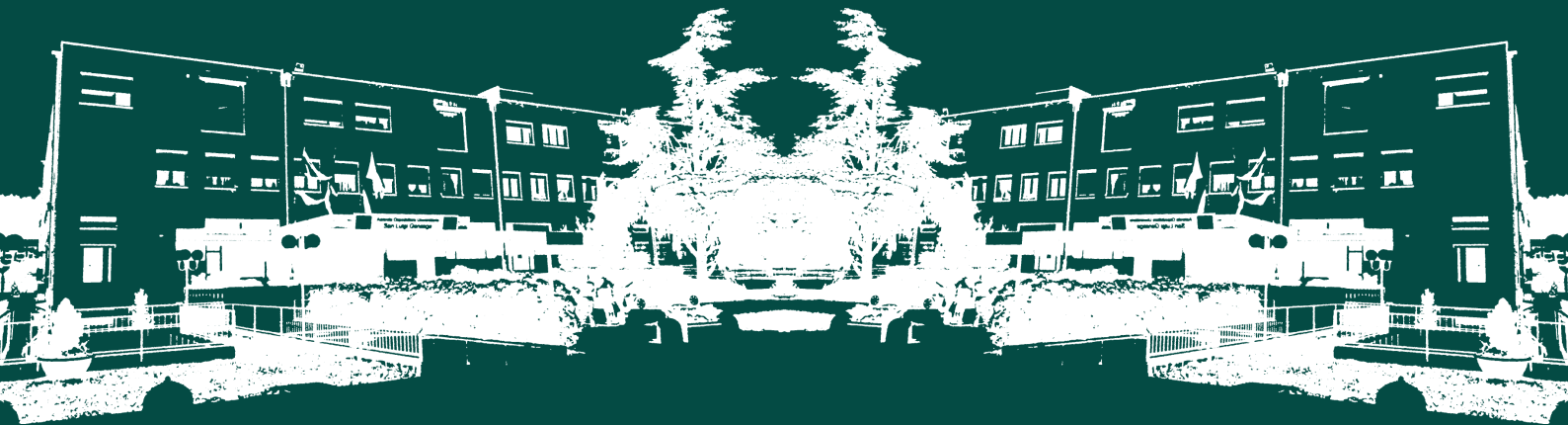
**Riccardo Autorino**

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

# 8<sup>TH</sup> INTERNATIONAL TECHNO-UROLOGY MEETING (TUM) TOWARDS ARTIFICIAL INTELLIGENCE IN SURGERY?

30<sup>th</sup> - 31<sup>st</sup> 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 30<sup>th</sup> 2020 •

## Day 1 – Technology for surgery’s planning

### 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

### 8.30 - 8.45 Lecture: 3D Printing in surgery

Giovanni Cacciamani  
Presenter: Roberto Maria Scarpa

### 9.00 - 13.30 Live Surgery Day 1

#### From O.R.1 - Printed silicon planning or simulation before surgery

Panelists: Antonio Galfano, Alessandro Antonelli, Riccardo Schiavina

**Da Vinci Si HD Robot-assisted partial nephrectomy** Andrea Minervini

**Da Vinci Si HD Robotic assisted radical prostatectomy** Jens Uwe Stolzenburg

#### From O.R.2 - Hololens cases

Panelists: Rocco Damiano, Vincenzo Ficarra, I. Derweesh

**Da Vinci Si HD Robot-assisted partial nephrectomy** Alexandre Mottrie

**Da Vinci Si HD Robot-assisted partial nephrectomy** James Porter

#### From O.R.3 - Lap cases with printed models

Panelists: Massimo Valerio, Cosimo De Nunzio, Richard Naspro

**HD Laparoscopic Radical Prostatectomy** René Sotelo

**Da Vinci Si HD Robotic simple prostatectomy** Vito Pansadoro

**Broadcast from IRCC Candiolo-HD Laparoscopic Retroperitoneal Adrenalectomy/Partial Nephrectomy** Francesco Porpiglia

### 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

### 15.30-16.50 Semi-live

Moderators: Ashutosh Tewari, Vito Pansadoro

**Single port perineal prostatectomy** Jihad H. Kaouk

**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

### 16.50-17.30 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

**Vascular Complications in robotic surgery: how to avoid/ manage it** René Sotelo

### 17.30-17.45: Inflammation and infection in BPH: how to treat?

Presenter: Cristian Fiori

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## **Day 2 – Technology during surgery – how technology will change our OR**

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

**8.30 - 8.45 Lecture: Extended Reality for surgery: state of the art** Pietro Piazzolla  
Presenter: Riccardo Autorino

**8.45 – 9.00 Live cases presentation**

**9.00 - 13.30 Live Surgery Day 2**

### **From O.R.1 - Augmented Reality Surgery**

Panelists: Alessandro Volpe, Giuseppe Carrieri, Abhay Rane

**Da Vinci Si HD Robotic assisted radical prostatectomy** Francesco Montorsi  
**Single port perineal prostatectomy** Jihad H. Kaouk

### **From O.R.2 - Intraoperative navigation systems**

Panelists: Homayoun Zargar, Carlo Terrone, Giorgio Gandaglia

**Da Vinci Si HD Robotic assisted radical prostatectomy** Ashutosh Tewari  
**Da Vinci Si HD Robotic assisted nephroureterectomy–Ureteroscopy with probe-based confocal laser endomicroscopy** Alberto Breda

### **From O.R.3 - Color guided surgery systems**

Panelists: Ciro Imbimbo, Giovanni Muto, Umberto Capitanio

**Laparoscopic ICG guided Partial Nephrectomy** Renaud Bollens  
**Laparoscopic ICG guided Pyeloplasty** Evangelos Liatzikos

**13.30 – 14.30 Lunch**

**14.30 – 17.30 Live Surgery Day 2**

### **From O.R.1 - Augmented Reality Surgery**

Panelists: Marco De Sio, Giuseppe Morgia, Nicolò Maria Buffi

**Da Vinci Si HD Robotic assisted radical prostatectomy** Walter Artibani  
**Da Vinci Si HD Robotic assisted radical prostatectomy** Homayoun Zargar

### **From O.R.2 - Intraoperative navigation systems**

Panelists: Sisto Perdonà, Francesco Esperto, Alberto Lapini

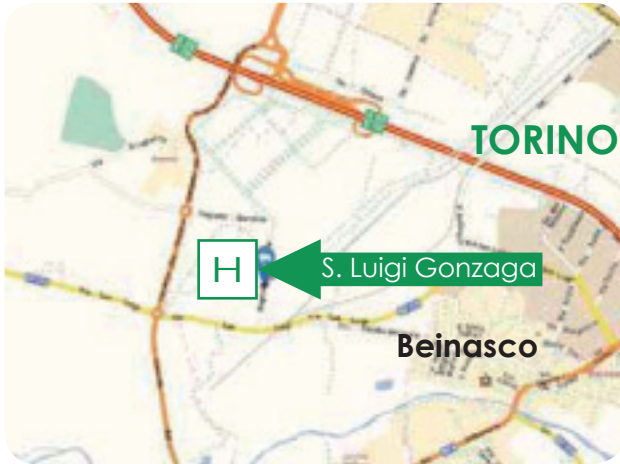
**Robotic Radical prostatectomy–Broadcasted from USA** Vipul Patel  
**Robotic Confocal endomicroscopy during Radical Prostatectomy–Broadcasted from Modena** Bernardo Rocco  
**Retroperitoneal laparoscopic partial nephrectomy** Francesco Porpiglia, Renaud Bollens

### **From O.R.3 - Color guided surgery systems**

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

**Broadcasted from IRCC Candiolo: Total intracorporeal urinary diversion** Peter Wiklund

**18.00 Adjournment**



## CONGRESS VENUE

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

## MEETING PLANNER



### FEDRA Congressi

Provider ECM n° 3376  
Viale dei SS. Pietro e Paolo, 21  
00144 Rome, Italy  
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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](http://www.technourologymeeting.com)



**FEDRA Congressi**

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