

# *International School of Robotic Surgery*

In Partnership with



## **Basic Course of Robotic Surgery**

### **SCIENTIFIC DIRECTOR**

*Prof. Pier Cristoforo Giulianotti*

University of Illinois Medical Center at Chicago, Illinois, Usa  
Lloyd M. Nyhus Professor of Surgery Chief,  
Division of Minimally Invasive, General & Robotic Surgery

### **COURSE COORDINATORS**

*Dr. Paolo Pietro Bianchi MD*

*Chief Division of General and Minimally Invasive Surgery, Misericordia Hospital  
Coordinator of International School of Robotic Surgery at Grosseto*

*Dr. Coratti Andrea*

*Chief, Division of Oncological and Robotic Surgery  
Department of Oncology and Robotic Surgery  
Careggi University Hospital, Florence*

*October 14 – 15 – 16, 2019*

*Misericordia Hospital, Grosseto, Italy*

**Per maggiori informazioni**  
**[www.roboticschool.it](http://www.roboticschool.it)**

## Day 1: MONDAY OCTOBER 14

- 08.00 am Welcome and entry test
- 09.00 am Didactical session  
Technical description of the basic Xi Platform:  
basic telemanipulation concepts  
(Virtuality / lack of tactile feedback /coordination / 3D HD)  
*Claudio Varinelli*
- 10.00 am Instruments and Energies, Port setting, Docking  
*Giampaolo Formisano*
- 11.00 am The team, assistant role, scrubbing nurse  
*Giuseppe Giuliani*
- 12.00 pm Q&A and Lunch
- 01.00 pm **HANDS ON DRY LAB:**  
Coordination hands & pedals / navigation control / energies  
*Sofia Esposito, Giampaolo Formisano, Giuseppe Giuliani,  
Diego Giulitti, Adelona Salaj, Lucia Salvischiani, Dario Sirimarco*
- 03.00 pm International Videoconference from Chicago, USA  
Basic concepts in robotic surgery  
(triangulation, priorities, exposure, tools,  
Injuries, prevention, strategies, troubleshooting )  
*Pier C. Giulianotti*
- 04.00 pm **HANDS ON DRY LAB:**  
trouble shooting work out
- 06.00 pm Wrap up

## Day 2: TUESDAY OCTOBER 15

- 08.00 am **GROUP A WET LAB:**  
Suturing, hemostasis, use of the 3rd arm, different energies, advanced vascular anastomosis, teamwork, multitask interactions
- 08.00 am **GROUP B + C + D: LIVE SURGERY**
- 12.00 pm Q&A and Lunch
- 01.00 pm **GROUP B WET LAB**  
Suturing, hemostasis, use of the 3rd arm, different energies, advanced vascular anastomosis, teamwork, multitask interactions
- 01.00 am **GROUP A + C + D: LIVE SURGERY**
- 03.00 pm International Videoconference from Chicago, USA  
Ergonomics and organization in a robotic program  
*Francesco Bianco*
- STATE OF THE ART APPLICATIONS IN DIFFERENT SPECIALTIES**
- 04.00 pm HPB  
*Andrea Coratti*
- 04.30 pm Colorectal  
*Paolo Pietro Bianchi*
- 05.00 pm Abdominal wall  
*Luca Felicioni*
- 05.30 pm Upper GI  
*Graziano Pernazza*
- 06.00 pm Q&A

## Day 3: WEDNESDAY OCTOBER 16

- 08.00 am **GROUP C WET LAB:**  
Suturing, hemostasis, use of the 3rd arm, different energies, advanced vascular anastomosis, teamwork, multitask interactions
- 08.00 am **GROUP A + B + D: LIVE SURGERY**
- 12.00 pm Q&A AND Lunch
- 01.00 pm Videoconference from Brescia  
Learning models and learning curve in Robotic Surgery  
*Federico Gheza*
- 02.00 am **GROUP D WET LAB**  
Suturing, hemostasis, use of the 3rd arm, different energies, advanced vascular anastomosis, teamwork, multitask interactions
- 02.00 am **GROUP A + B + C: LIVE SURGERY**
- 05.00 pm Robotic Challenge: game competition and rewards
- 06.00 pm Final competence Test / Certification

# INTERNATIONAL SCHOOL OF ROBOTIC SURGERY

## **BASIC COURSE OF ROBOTIC SURGERY**

October 14th, 15 th, 16th, 2019

### **TARGET AUDIENCE**

The course is intended for Italian and foreign surgeons specializing in general surgery or general surgery specialists. Admission criteria follow below:

- Proven personal experience in basic laparoscopic techniques;
- 16 doctors will be admitted each academic year; and
- Exclusion results in priority admission the following year

### **OBJECTIVES**

The course is designed for surgeons who are looking to start using robotic technology. Thus, the main objective of the course is to provide an introduction on the following topics:

- Robotic technology and associated functionalities;
- Operating room set-up;
- Medical / paramedical staff roles;
- Feasible surgical techniques / approaches;
- Basic manual skills to use the robotic system; and
- Possible complications and associated treatment.

At the end of the course, the trainee will be familiar with the basic techniques necessary for using the robotic system.

### **LABORATORY ACTIVITIES**

Activities in the laboratory will include the following:

- Training on robotic system technical features and functionalities
- DRY LAB
  1. Basic skills (using the simulator);
  2. Coordination, 3D perception, tactile feedback, telemanipulation basics, and performance evaluation
- WET LAB
  1. Main differences with laparoscopy, triangulation, port positioning, robot docking, available instrumentation, tissue manipulation with robotic instrumentation, hemostasis control;

Procedures: trainees will rotate executing basic upper abdomen procedures including cholecystectomy, fundoplication, esophageal myotomy, gastrointestinal & entero-enteric anastomosis, etc.

# INTERNATIONAL SCHOOL OF ROBOTIC SURGERY

## COURSE INFORMATION

- During the course, participants will rotate in groups between the didactical courses and OR; Attend and participate in minimally invasive robotic surgeries scheduled throughout the course.
- The daily activities of the OR will be streamed to the robotic school classroom, close to the “wet laboratory”.
- Free access to the CRSA web site with more than 2,500 available videos, will be provided to all participants.

The registration to the basic Course includes:  
Attendance to the course, Certificate of participation;  
Multimedia educational material, coffee breaks and lunches.

### **ECM CREDITS (only Italian surgeons)**

The event will be awarded with 50 italian ECM credits

### **OFFICIAL LANGUAGE**

The official language of the course is English

### **COURSE STRUCTURE**

The course will be divided into 2 parts

First part (October 14-15-16, 2019)

Frequency of the basic robotics course

Second part (November 2019 – February 2020)

Attendance for a minimum of 25 hours in the operating rooms of an accredited training center.

# INTERNATIONAL SCHOOL OF ROBOTIC SURGERY

## GENERAL INFORMATION

### COURSE VENUE

International School of Robotic Surgery  
Misericordia Hospital of Grosseto, Via Senese, Grosseto, Italy

### ORGANIZING SECRETARIAT

Ti.Gi. Meeting & Congressi, via udine, 12, 58100 - Grosseto  
email: [info@tigicongress.com](mailto:info@tigicongress.com)

### HOTEL RESERVATION

The organizing secretariat Ti.Gi. Congress is available to participants for individual hotel reservations. Information on suggested hotels and the costs associated can be easily found in the "useful information" page on the website of the school:  
<http://www.roboticschool.it/index.php/en/useful-information>

### CHANGES TO THE PROGRAM

The scientific and organizing secretariat reserve the right to make any changes to the program which are considered necessary for technical and/or scientific reasons

### REGISTRATION FEES

For surgeons or private companies  
EUR 2,750.00 + 22% VAT (EUR 3,355.00 VAT inclusive)  
CRSA Member 2019: EUR 2,550.00 + 22% VAT (EUR 3,111.00 VAT inclusive)

**Registration fees for italian public hospital or private/public european company with european vat**

EUR 2,752.00  
CRSA Member 2019: EUR 2,552.00 + 22%

To register to the course, please complete the registration form and send it by email to: Robotic Course Organizing Secretariat Ti.Gi. Meeting & Congressi  
Email: [info@tigicongress.com](mailto:info@tigicongress.com)

# INTERNATIONAL SCHOOL OF ROBOTIC SURGERY

## ACCREDITED TRAINING CENTERS

### GENERAL SURGERY

#### **Ospedale Misericordia - Grosseto**

U.O. Chirurgia Generale e Mininvasiva - P.P. Bianchi

Giampaolo Formisano: giampaoloformisano@hotmail.com; +39 333 3572276

#### **AOU Careggi - Firenze**

SOD di Chirurgia Generale Oncologica ad indirizzo Robotico A. Coratti

Mario Anneschiarico: manneschiarico@hotmail.com; +39 328 1551968

#### **Ospedale "San Croce e Carle" - Cuneo**

S.C. Chirurgia Generale - F. Borghi

Alessandra Marano: alessandra.marano@hotmail.com; +39 347 0002617

#### **AO "Santa Maria" - Terni**

U.O. Chirurgia digestiva e unità di Fegato - A. Parisi

Amilcare Parisi: amilcareparisi@virgilio.it; +39 338 7312313

#### **Ospedale "San Salvatore" - Pesaro**

Dipartimento di chirurgia, Div. di chirurgia generale, mininvasiva e robotica

Alberto Patrì: albertopatrì@gmail.com; +39 338 8646055

#### **AOU Pisana - Pisa**

SD Chirurgia Generale Universitaria – Luca Morelli

Gregorio di Franco: gregoriodifranco@gmail.com; +39 3487636831

### THORACIC

#### **AOU Pisana - Pisa**

Chirurgia toracica, Mininvasiva e Robotica - Franca Melfi

Franca Melfi: franca.melfi@unipi.it; +39 347 2581327

#### **Humanitas Research Hospital - Milano**

Robotic thoracic surgery – Giulia Veronesi

Giulia Veronesi: giulia.veronesi@cancercenter.humanitas.it; +39 347 2581327

### GYNECOLOGY

#### **Ospedale Misericordia - Grosseto**

U.O. Ginecologia ed Ostetricia – Fabrizio Signore

Fabrizio Signore: fabri64@me.com; + 39 347 7622392



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## COURSE COORDINATORS

*Dr. Paolo Pietro Bianchi*

Direttore Divisione di chirurgia generale e mininvasiva Azienda USL Toscana sud est,  
Ospedale Misericordia, Grosseto

*Dr. Coratti Andrea*

Direttore SOD Chirurgia Generale Oncologica ad indirizzo Robotico  
Azienda Ospedaliero Universitaria Careggi, Firenze

## IN PARTNERSHIP WITH:

University of Illinois Medical Center at Chicago, Illinois, Usa  
CRSA - Clinical Robotic Surgery Association

## LAB TRAINERS

Azienda Usl Toscana sud est, Ospedale Misericordia di Grosseto, UO Chirurgia Generale

*Dr. Formisano Giampaolo*

*Dr. Giuliani Giuseppe*

*Dr- Giulitti Diego*

*Dr. Salay Adelona*

*Dr. Salvischiani Lucia*

*Dr. Sirimarco Dario*

Per maggiori informazioni