

COLORECTAL SURGERY INTENSIVE COURSE

WITH OPTIONAL UNIVERSITY DIPLOMA

NOVEMBER 4 - 8



2024

ircad
France

STRASBOURG
UNIVERSITY

Course director

J. Marescaux (FR, RW)

FACULTY

| | |
|--|---|
| Antonello FORGIONE | IRCAD Hôpitaux Universitaires, Strasbourg, France |
| Jacques MARESCAUX | IRCAD Hôpitaux Universitaires, Strasbourg, France |
| Salvador MORALES-CONDE (videoconference) | Hospital Universitario Virgen del Rocio, Sevilla, Spain |
| Francesco CORCIONE (videoconference) | Clinica Mediterranea - Ospedale e Centro Diagnostico, Naples, Italy |
| Armando MELANI | Americas Medical City, Rio de Janeiro, Brazil |
| Piercarlo MEINERO | Ospedale di Lavagna, Genova, Italy |
| Didier MUTTER | Nouvel Hôpital Civil, Strasbourg, France |
| Antonino SPINELLI (videoconference) | Humanitas Hospital Rozzano, Milan, Italy |
| Gabriele NALDINI | Ospedale S. Chiara, Pisa, Italy |
| Gyu-Seog CHOI (videoconference) | Kyungpook National University School of Medicine, Daegu, South Korea |
| Giuseppe SPINOGLIO | Private Practice, Pietra Marazzi, Italy |
| Xavier SERRA ARACIL | Hospital Parc Tauli, Sabadell, Spain |
| Guido COSTAMAGNA | PoliClinico "A. Gemelli", Rome, Italy |
| Patricia SYLLA (videoconference) | The Mount Sinai Hospital, New York, USA |
| Dean KOH (videoconference) | Mount Elizabeth Novena Hospital, Singapore National University of Singapore, Singapore |
| Luc SOLER | IRCAD Hôpitaux Universitaires, Strasbourg, France |
| Luis ROMAGNOLO (videoconference) | Hospital de Amor de Barretos, Barretos, Brazil |
| Barbara SEELIGER | IHU et Nouvel Hôpital Civil, Strasbourg, France |
| Antonio D'URSO | Policlinico Umberto Ier - University La Sapienza, Rome, Italy |
| Philippe CHASSERANT | Centre Hospitalier d'Albertville, Albertville, France |
| Masaaki ITO | National Cancer Center Hospital East, Chiba, Japan |
| Michel VIX | Nouvel Hôpital Civil, Strasbourg, France |

Each IRCAD faculty member confirms that any conflict of interest they may declare has no bearing on any scientific activity during the courses: all course content is fair, balanced, and free of commercial bias.

INSTRUCTORS IN THE LAB

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|----------------------------|---|
| Alfonso LAPERGOLA | Nouvel Hôpital Civil, Strasbourg, France |
| Elisa REITANO | Nouvel Hôpital Civil, Strasbourg, France |
| Kohei MISHIMA | IRCAD Hôpitaux Universitaires, Strasbourg, France |
| Tiphaine LAYER | Nouvel Hôpital Civil, Strasbourg, France |
| Aurélien GROLLEMUND | Nouvel Hôpital Civil, Strasbourg, France |
| Arne KOCK | Nouvel Hôpital Civil, Strasbourg, France |

COURSE OBJECTIVES

- To cover a broad spectrum of surgical procedures in laparoscopic, transanal, flexible endoscopy and robotic colorectal surgery;
- To highlight technical aspects of surgical interventions through the broadcasting of live procedures;
- To provide proper indications for surgical and non-surgical treatments of malignant colorectal disease;
- To discuss how to prevent and manage intraoperative and postoperative complications;
- To allow real-time discussion between operators and trainee surgeons;
- To provide hands-on sessions to improve skills in laparoscopic, transanal, flexible endoscopy; and robotic colorectal surgery through practice under expert tutorial.

COURSE ENDORSEMENT



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DIPLOMA IRCAD – UNIVERSITY OF STRASBOURG

The exam consists in the evaluation of the practice on Live Tissue of Monday, Tuesday, Wednesday and Thursday afternoon and a proficiency test (25 Multiple choice questions) on Friday morning from 8:00am to 9:00am.

Please note that all question items for the University Diploma Exam are available in French and English.

However, the Diploma itself is written in French by the Faculty of Medicine and no translation can be assured by the IRCAD.

Optional Diploma Registration Fees



- Fees: 430,00 Euros
- The diploma fees will have to be paid at IRCAD by cash, if possible with exact change.
No payment will be accepted by credit card.

Registration on Monday and Tuesday during the morning coffee break at the reception desk.

For successful candidates, the diploma will be delivered on Friday afternoon at the end of the course at 6:00pm.

Monday, November 2 - 2024

MORNING

07.45 am Registration

08.00 am Welcome - Introduction of faculty members

J. Marescaux - 10'

ADVANCED LAPAROSCOPY FOR COLORECTAL CANCER

08.10 am THEORETICAL SESSION

Chairmen: *A. Melani - S. Morales-Conde*

- The basics to start and develop a safe and effective laparoscopic colorectal program *A. Forgione - 10'*
- How to perform a laparoscopic right colectomy
 - o Medial to lateral *F. Corcione - 10'*
 - o Bottom to up *A. Forgione - 10'*
- Strategy for tumors in the transverse colon and splenic flexure *S. Morales-Conde - 10'*
- Safe colorectal anastomosis *S. Morales-Conde - 10'*
- How to perform a laparoscopic TME *A. Melani - 10'*
- Intraoperative complication *F. Corcione - 10'*
- Use of ICG in colorectal surgery: perfusion, lymphadenectomy and ureter identification *S. Morales-Conde - 10'*

Debate & open discussion with the Experts after each presentation

10.45-11.00 am **BREAK - Registration for University Diploma at reception desk**

11.00 am LIVE & PRERECORDED OPERATIVE DEMONSTRATIONS from Expert International Centre

Chairmen: *A. Melani - S. Morales-Conde*

- Laparoscopic right hemicolectomy *D. Mutter / F. Corcione - 40'*
- Laparoscopic TME *D. Mutter / A. Melani - 40'*
- Right colonic resection with D3 lymphadenectomy *S. Morales Conde - 40'*

Debate & open discussion with the Experts after each presentation

01.00-01.45 pm **LUNCH**

Monday, November 2 - 2024

AFTERNOON

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| 01.45 pm | PRE-LAB SESSION - Description of procedures - 15' <i>In auditorium</i> | <i>A. Forgione</i> |
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| 02.00 pm | HANDS-ON SESSION ON LIVE TISSUE | <i>All participants</i> |
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Faculty: *Experts rotation per table: A. Forgione - M. Vix - T. Layer - G. Spinoglio - A. Melani - S. Morales-Conde - A. D'Urso*

Training procedures

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|---|-----------------------|
| - Laparoscopic right colectomy | <i>Duration - 50'</i> |
| - Laparoscopic left colectomy | <i>Duration - 50'</i> |
| - Laparoscopic ileocolic anastomosis | <i>Duration - 40'</i> |
| - Laparoscopic end-to-end anastomosis | <i>Duration - 50'</i> |
| - Laparoscopic hand-sewn side-to-side bowel anastomosis | <i>Duration - 50'</i> |

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| 06.30 pm | END OF SESSION Evening free |
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Tuesday, November 3 - 2024

MORNING

07.45 am Welcoming of the participants

ADVANCED LAPAROSCOPY FOR BENIGN & PROCTOLOGICAL DISEASES

08.00 am THEORETICAL SESSION

Chairmen: P. Meinero - A. Melani - G. Naldini

Advanced laparoscopic surgery for benign disease

- State of the art of MIS in the treatment of chronic inflammatory diseases of the colon A. Spinelli - 20'
- Diverticular disease in emergency and elective conditions A. Forgione - 10'
- Colorectal endometriosis A. Melani - 20'
- Colonic resection for severe chronic constipation A. Forgione - 10'

Advanced minimal-invasive video-assisted procedure for proctological and pelvic floor diseases

- Endoscopic Pilonidal Sinus Treatment (EPSiT) P. Meinero - 20'
- Video-Assisted Anal Fistula Treatment (VAAFT) P. Meinero - 20'
- When and how to operate complex pelvic organ prolapses G. Naldini - 30'
- Future perspectives regarding anal fistula treatment P. Meinero - 10'

Debate & open discussion with the Experts after each presentation

10.45-11.00 am BREAK - Registration for University Diploma at reception desk

11.00 am LIVE & PRERECORDED OPERATIVE DEMONSTRATIONS from Expert International Centre

Chairmen: P. Meinero - A. Melani - G. Naldini

- Endoscopic Pilonidal Sinus Treatment (EPSiT) D. Mutter / P. Meinero - 15'
- Total colectomy by minimal invasive surgery for colonic IBD A. Spinelli - 15'
- Video-Assisted Anal Fistula Treatment (VAAFT) P. Meinero - 15'
- Treatment of complex pelvic organs prolapses G. Naldini - 15'
- Colorectal endometriosis A. Melani - 15'

Debate & open discussion with the Experts after each presentation

01.00-01.45 pm LUNCH

Tuesday, November 3 - 2024

AFTERNOON

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|----------|--|-----------------------------------|
| 01.45 pm | PRE-LAB SESSION - Description of procedures - 15' <i>In auditorium</i> | <i>A. Forgione P. Meinero</i> |
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|----------|--|-------------------------|
| 02.00 pm | HANDS-ON SESSION ON LIVE TISSUE | <i>All participants</i> |
|----------|--|-------------------------|

Faculty: *Experts rotation per table: A. Forgione - P. Meinero - A. Melani - M. Vix - G. Naldini - A. Lapergola - E. Reitano - K. Mishima - A. D'Urso*

Training procedures

| | |
|---|-----------------------|
| - Laparoscopic right colectomy | <i>Duration - 40'</i> |
| - Laparoscopic left colectomy | <i>Duration - 40'</i> |
| - Laparoscopic ileocolic anastomosis | <i>Duration - 40'</i> |
| - Laparoscopic end-to-end anastomosis | <i>Duration - 40'</i> |
| - Laparoscopic mesh positioning for pelvic prolapse | <i>Duration - 40'</i> |
| - VAAFT | <i>Duration - 40'</i> |
| - EPSiT | <i>Duration - 30'</i> |

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| 06.30 pm | END OF SESSION Evening free |
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Wednesday, November 4 - 2024

MORNING

07.45 am Welcoming of the participants

TRANSANAL & ROBOTIC COLORECTAL SURGERY

08.00 am THEORETICAL SESSION

Chairmen: M. Adamina - G. Spinoglio

Transanal endoscopic surgery

- Historical roots, evolution and future perspective of transanal endoscopic surgery X. Serra-Aracil - 10'
- Essential surgical anatomy for TaTME M. Ito - 10'
- Transanal surgery for access, rescue and salvage: what every colorectal surgeon should master P. Sylla - 10'
- What's new in colorectal surgery? P. Sylla - 10'

Robotic techniques for right, left & rectal resection

- How to smoothly adopt robotic surgery in your practice D. Koh - 10'
- Robotic right colectomy: state-of-the-art G. Spinoglio - 10'
- Robotic left colectomy: technical steps and clinical outcomes A. Melani - 10'
- Robotic TME: results of my experience G. Choi - 10'
- Troubleshooting the robotic system – Tips from my experience D. Koh - 10'
- Robotic single port right and left colectomy J. Marks - 10'
- Major benefits of robotics in colorectal surgery in superobese patients E. Parra Davila - 10'

Debate & open discussion with the Experts after each presentation

10.45-11.00 am BREAK

11.00 am LIVE & PRERECORDED OPERATIVE DEMONSTRATIONS

Chairmen: M. Adamina - G. Spinoglio

- TaTME for low rectal cancer X. Serra-Aracil - 20'
- Lateral pelvic node dissection and other extended surgery by trans-anal approach M. Ito - 25'
- Robotic sigmoidectomy G. Spinoglio - 20'
- Robotic single port suprapubic right hemicolectomy G. Choi - 25'
- Robotic single port low anterior resection for rectal cancer G. Choi - 30'

01.00-01.45 pm LUNCH

Wednesday, November 4 - 2024

AFTERNOON

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| 01.45 pm | PRE-LAB SESSION - Description of procedures - 15' <i>In auditorium</i> | <i>A. Forgione P. Meinero</i> |
| 02.00 pm | HANDS-ON SESSION ON LIVE TISSUE, VIRTUAL SIMULATORS & PELVIC TRAINERS | <i>All participants</i> |

Faculty: *Experts rotation per table: M. Adamina - A. Forgione - A. Melani - X. Serra Aracil - G. Spinoglio - M. Vix - A. Lapergola - A. D'Urso*

Training procedures

- 1. Robotic approach (virtual simulators & pelvic trainers)** **duration 30'**
 - Overview, set-up and hands-on testing the robotic system
 - Robot set-up
 - Robotic console basics
 - Virtual simulators manipulation
- 2. Transanal approach (live tissue)**
 - Training on pelvic trainers for transanal surgery *duration - 50'*
 - Training on live tissue for transanal proctectomy *duration - 40'*
- 3. Laparoscopic approach (live tissue)**
 - Laparoscopic right colectomy *duration - 50'*
 - Laparoscopic left colectomy *duration - 50'*
 - Laparoscopic ileocolic anastomosis *duration - 50'*

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| 06.30 pm | END OF SESSION |
| 08.00 pm | EXPERTS & PARTICIPANTS' DINNER |

Thursday, November 5 - 2024

MORNING

07.45 am Welcoming of the participants

ADVANCED FLEXIBLE OPERATIVE ENDOSCOPY

08.00 am THEORETICAL SESSION

Chairmen: X. Serra-Aracil - G. Costamagna

Basic and advanced flexible operative endoscopy

- The evolving role of flexible operative endoscopy to treat early colorectal tumors G. Costamagna - 10'
- Tips, tricks and technologies to deal with large colonic lesions in different colonic locations G. Costamagna - 10'
- Transanal Endoscopic Microsurgery (TEM) vs. ESD: is it still the best option for very large rectal tumors? X. Serra Aracil - 10'
- Robotic Single Port for Transanal Endoscopic Microsurgery J. Marks - 10'
- The use of endoscopic stents for stenotising colorectal tumors: long-term oncological outcomes X. Serra Aracil - 10'

Debate & open discussion with the Experts after each presentation

10.45-11.00 am BREAK

11.00 am LIVE & PRERECORDED OPERATIVE DEMONSTRATIONS

from Expert International Centre

Chairmen: X. Serra-Aracil - G. Costamagna

- Transanal Endoscopic Microsurgery (TEMS) for large rectal lesions D. Mutter / X. Serra Aracil - 50'
- Combined endoscopic laparoscopic resections X. Serra Aracil - 50'
- ESD procedures for right and left colonic lesions G. Costamagna - 50'

12.50-01.00 pm GROUP PICTURE

01.00-01.45 pm LUNCH

Thursday, November 5 - 2024

AFTERNOON

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|----------|--|--------------------------------------|
| 01.45 pm | PRE-LAB SESSION - Description of procedures <i>In auditorium</i> | <i>A. Forgione G. Costamagna</i> |
| 02.00 pm | HANDS-ON SESSION ON LIVE TISSUE, VIRTUAL SIMULATORS & PELVIC TRAINERS | <i>All participants</i> |

Faculty: *Experts rotation per table: M. Vix - G. Costamagna - A. Forgione - A. Melani - X. Serra-Aracil - G. Spinoglio - A. Kock - T. Layer - A. Grollemund - A. Lapergola - A. D'Urso*

Training procedures

- Robotic approach (virtual simulators & pelvic trainers)** **duration 30'**
 - Overview, set-up and hands-on testing the robotic system
 - Robot set-up
 - Robotic console basics
 - Virtual simulators manipulation
- Flexible operative endoscopy (live tissue)**
 - Basic training with flexible endoscopes *duration - 40'*
 - Endoscopic applications of clips, Endoloops *duration - 40'*
 - Endoscopic polypectomy, EMR, ESD *duration - 40'*
- Laparoscopic approach (live tissue)**
 - Laparoscopic right colectomy *duration - 40'*
 - Laparoscopic left colectomy *duration - 40'*
 - Laparoscopic ileocolic anastomosis *duration - 40'*

PROFICIENCY TEST

(only for surgeons who applied for the University Diploma)

- **University Diploma validating procedure:**
Small bowel and colonic resection / anastomoses

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| 06.30 pm | END OF SESSION Evening free |
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Friday, November 6 - 2024

MORNING

07.45 am Welcoming of the participants

08.00 am **UNIVERSITY DIPLOMA PROFICIENCY TEST**
(only for surgeons who applied for the University Diploma)

D. Mutter
A. Forgione

- Multiple choice questionnaire for the University Diploma (Duration: 1 hour)

MULTIMODAL TREATMENTS, NEW TECHNOLOGIES, INTERACTIVE DISCUSSION

09.00-09.05 am BREAK

09.05 am **THEORETICAL SESSION**

Chairmen: *R.J. Heald - A. Melani*

Modern multimodal treatment of colorectal cancer

- Transanal vs. laparoscopic total mesorectal excision for mid and low rectal cancer *X. Serra-Aracil - 10'*
- Lateral nodes dissection in rectal cancer: are we missing something in Western countries? *G. Choi - 10'*
- Neoadjuvant chemoradiotherapy + TEM as a new strategy in the treatment of rectal cancer *X. Serra Aracil - 10'*
- How to properly start a "watch and wait" program in your practice *A. Forgione - 10'*

10.45-11.00 am COFFEE BREAK

New technologies

- 3D virtual reconstruction for preoperative planning in colorectal surgery: safer and more effective? *L. Soler - 15'*
- Augmented reality for intraoperative guidance in colorectal surgery: where are we? *L. Romagnolo - 10'*
- Digital apps to improve outcomes in colorectal surgery *A. Forgione - 10'*
- Robotic Single Port for totally transanal rectal resection *J. Marks - 10'*
- New surgical robots on the horizon *B. Seeliger - 10'*

Evolution of ERAS concept

- From ERAS program to outpatient procedure and home-connected follow-up: a 5-year experience *P. Chasserant - 10'*

Debate & open discussion with the Experts after each presentation

01.00 pm CLOSING LECTURE

R.-J. Heald - 15'

01.15-02.00 pm LUNCH

Friday, November 6 - 2024

AFTERNOON

02.00 pm THEORETICAL SESSION

Chairmen: R.J. Heald - A. Forgione - A. Melani

Interactive discussion with experts around interesting cases

- Rectum
- Colon
- Endometriosis
- Diverticular disease
- Emergency surgery
- Colonic occlusion

05.45 pm CLOSING REMARKS & FAREWELL

J. Marescaux

06.00 pm END OF COURSE DELIVERY OF CERTIFICATES OF ATTENDANCE AND DIPLOMAS TO SUCCESSFUL CANDIDATES

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