Course objectives

The course will be focused on the treatment of colorectal cancer patients with the following objectives:
- To improve surgical and oncological outcomes in colorectal surgery
- To learn about modern technologies for preoperative diagnosis and planning
- To learn about new technologies for intraoperative navigation and manipulation
- To improve multimodal colorectal cancer treatment
- To undertake hands-on practice on pelvic trainer, live tissue (mini-pigs) and anatomical specimens in the experimental lab

Educational methods

- Interactive theoretical and video sessions between Faculty and course participants
- Live and pre-recorded operative demonstrations
- Practical training on pelvic trainer, live tissue (mini-pigs) and anatomical specimens

Laparoscopic and Transanal Colorectal Surgery

Thursday June 4 / November 5

7.45 am
Registration and welcoming of participants

8.00 am
For Option A, B and C
Live or pre-recorded operative demonstration
- Right colectomy
- Total mesorectal excision (TME) for rectal cancer
- Sigmoid resection for sigmoiditis
- Robotic right colectomy

12.00 pm
Lunch at the Institute

1.00 pm
For Option A
“Surgical tips and tricks video” with Faculty comments
Discussion around short presentations of difficult or particular cases, pitfalls and technical details in colorectal surgery through pre-recorded operative demonstrations

For Option B
Training on live tissue (mini-pigs)
- Operative strategy
- Right ileocaecal resection and anastomosis
- Left sigmoid resection with end-to-end Knight-Griffen anastomosis
- Vascular approach

For Option C
Training on pelvic trainer & live tissue for transanal approach
- Local resection
- Purse-string sutures
- Transanal TME

6.00 pm
End of session
Evening free

You can register online for IRCAD courses at www.ircad.fr
Or use this code for a flash registration for this course
Friday  June 5 / November 6

7.45 am
Evaluation of the previous day

8.00 am
For Option A
"Surgical tips and tricks video" with Faculty comments
Discussion around short presentations of difficult or particular cases, pitfalls and technical details in colorectal surgery through pre-recorded operative demonstrations

For Option B
Training on live tissue (mini-pigs)
- Operative strategy
- Right ileocaecal resection and anastomosis
- Left sigmoid resection with end-to-end Knight-Griffen anastomosis
- Vascular approach

For Option C
Training on anatomical specimens for transanal approach
- Local resection
- Purse-string sutures
- Transanal TME

1.00 pm
Lunch at the Institute

2.00 pm
For Option A, B and C
Theoretical session
Video session 1
Laparoscopic colectomy: Technical pearls
- Laparoscopic right colectomy
- Understanding the splenic flexure - embryology is the key once again
- Laparoscopic left colectomy and sigmoid resection: standard steps for benign and malignant diseases
- Metallic stent for right or left side obstructing cancer: impact on oncological outcomes
- Transverse colectomy with total mesocolic excision for cancer
- Colorectal surgery in the morbidly obese
- Q&A

Session 2
Laparoscopic colonic resection for benign disease
- Diverticular disease: no, the elective surgeon is not dead!
- Functional outcomes in symptomatic colonic diverticular disease: preoperative, intraoperative, and postoperative issues
- Laparoscopic management of complex fistulas in Crohn's disease
- Combined Laparoscopic and Endoscopic Surgery (CELS) for the resection of benign colonic polyps unresectable using conventional colonoscopy
- Management of rectal prolapse
- Q&A

Session 3
Laparoscopic proctectomy: Technical pearls
- Lessons learned from open TME
- 6-step approach for laparoscopic TME
- Sphincter-saving approaches during laparoscopic TME
- Recent changes in laparoscopic anus-preserving operation for rectal cancer

Session 4
Robotic TME
- Robotics for rectal cancer: more than a fantastic toy, especially for superobese patients
- Tips and tricks in robotic TME

6.00 pm
End of session

8.00 pm
Dinner in honor of participants and Faculty
Saturday June 6 / November 7

7.45 am
Evaluation of the previous day

8.00 am
For Option A, B and C

Theoretical session

Session 5
Transanal endoscopic surgery (TES)
- TES toolkit, preparation and technical steps
- Essential surgical anatomy and step-by-step procedures in performing TaTME
- Transanal endoscopic surgery for giant and huge rectal adenomas
- The evolution of advanced transanal surgery from TAMIS to TaTME

Session 7
Preventing and managing intraoperative and postoperative complications
- Management of intraoperative complications
- Laparoscopic treatment of postoperative bleeding, leak, occlusion, and all misery
- Bleeding from the presacral region
- Local recurrence - an avoidable complication?
- Complicate acute fistulas - How to manage?
- Management of anastomotic leak
- Management of chronic anastomotic leaks, fistulas and sinuses
- Pitfalls and major complications during TaTME

Session 6
Debates
- What is the best approach for Total Mesorectal Excision (TME)?
  - Laparoscopic TME is superior to open TME
  - Robotic TME is superior to laparoscopic TME
  - TaTME will replace both
- Complete clinical response following neoadjuvant treatment for rectal cancer
  - Watch and wait
  - Local excision and/or radical resection
- One-port surgery: a less invasive approach
  - Pros
  - Cons
- Segmental resections for the treatment of endometriosis
  - Pros
  - Cons

Session 8
Latest trends in laparoscopic colorectal surgery
- Augmented Reality and Stereotactic Navigation in pelvic surgery
- New developments in endoluminal robotic platforms
- Robotic TaTME: the next step
- Digital smart apps for outcome prediction and postoperative management

12.30 pm
Closing lecture
- Skeletons in the cupboard: when bad things happen to good surgeons

1.00 pm
Lunch at the Institute

2.00 pm
End of course
Delivery of certificates of attendance

This program may be subject to modifications.

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