

8th INTERNATIONAL TRAINING COURSE. MINIMALLY INVASIVE TRANSANAL SURGERY (TEO and HYBRID-NOTES). THE APPLICATION OF INDOCYANINE GREEN

29-30 November, 1 December 2017

Colorectal Unit

Parc Taulí University Hospital

Sabadell (Barcelona) Spain



Introduction

In the past, a variety of techniques were available for the local treatment of rectal tumors, but all of them were associated with high post-surgical morbidity. In order to remedy this situation more radical techniques were required, such as lower anterior resection or rectal amputation. Transanal Endoscopic Microsurgery was invented in the 1980s and rapidly attracted interest. This new minimally invasive technique allows optimal dissection, cutting, coagulation and suturing under vision and offers several other advantages as well.

The KARL STORZ TEO-set system comprises all the instruments required for this surgical procedure. As a reference centre for TEO, the Parc Tauli University Hospital has acquired wide experience with the technique over more than 16 years. For several years now, our TEO/TEM team has been sharing the knowledge acquired through a series of carefully designed courses and more than 25 papers published. One hundred and fifty surgeons from some 55 hospitals worldwide have trained with us. To our knowledge, 50 centers are currently implementing this technique.

In recent years, an adaptation of TEO using natural orifices (known as NOTES: natural transluminal orifice endoscopic surgery) has been applied to access the peritoneal cavity and perform intra-abdominal operations. Our extensive experience in transanal surgery using TEO, with more than 650 patients treated so far either for rectal tumors or in atypical situations, has encouraged us to use this approach in transanal surgery for TME. Benefits of this technique include the maintenance of the integrity of the abdominal wall and the reduction in the rate of trauma associated with conventional surgery. At our center, we have designed a new technical variant of hybrid NOTES: transanal TME using TEO equipment. Resection of the specimen and anastomosis are performed intracorporeally using TEO. The anastomosis can be created at the required distance from the anal verge, and the use of TEO allows subsequent review. On this course we show the details of the technique and the results of our experience.

Recently, the application of indocyanine green in laparoscopic colorectal surgery has made it possible to define the correct vascularization of the area of anastomosis. On the course we describe our experimental and clinical experience with this technique and analyse the vascularization of the tissue using the SERGREEN computer program.

All the speakers are members of staff at our hospital who are actively involved in the TEO procedures carried out by our service. Throughout the course, we stress the importance of this multidisciplinary approach and aim to show the participants how this model can be applied at their centers.

By limiting the number of places available on the course, we are able to foster a close interaction between trainees and speakers and maintain a fluid exchange of ideas on the topics under discussion.

The course comprises four main elements: round table presentations and interactive discussion of the different topics, practical experience using simulated models, live surgery, and a final evaluation.

We look forward to welcoming you to our eighth international training course on TEO and Hybrid-NOTES: TEO for transanal TME, and application of indocyanine green in one of Spain's most beautiful regions!

Yours sincerely,

Xavier Serra-Aracil

Objectives

To provide participants with a thorough theoretical and practical grounding in Transanal Endoscopic Operations (TEO).

To demonstrate the TEO instrumentation and its handling

To present a variety of techniques for cutting tissue and tricks on how to make a proper suture during practical training sessions

To show the procedures in live TEO surgery

To present specific details of the technique Hybrid-NOTES: TEO for Transanal Total Mesorectal Excision. Intracorporeal resection and anastomosis in videos and live surgery

To describe the applications of indocyanine green in laparoscopic colorectal surgery, focusing on our experience in experimental animal models and in the clinical setting

To discuss the surgical, functional and oncological results of TEO and Hybrid-NOTES: TEO for Transanal TME.

To share our experience with the technique and to discuss our results already published in specialist journals; to describe the different steps in the procedures and to provide guidance in special cases. A series of interactive questions enhances participation and monitors learning after each lecture.



PROGRAM

Wednesday 29 November 2017		
08:15	Meeting in the Foyer at the Parc Tauli Hospital	Dr A Campos and Dr R Flores
08:15	Welcome reception and Introduction.....	Dr C Carod, Dr S Navarro and Dr X Serra
09:00	I Round Table: Pre-Surgical diagnosis for rectal tumor patients suitable for TEO or Hybrid-NOTES procedures. Moderator: Dr X Serra	
09:05	Endoscopic diagnosis of rectal tumors	Dr E Martinez
09:25	Evaluation of tumor staging prior to surgery by 3D end rectal ultrasound	Dr. S Serra
09:45	Evaluation of the tumor staging prior to surgery: Pelvic MRI and abdominal-pelvic CT	Dr E Ballesteros
10:05	Rectal endoscopic ultrasound: Biopsy and rectal -lymphadenopathies	Dr F Junquera
10:20	Discussion	
10:35	Coffee break	
11:00	II Round Table: Indications, instrumentation and the TEO technique Moderator: Dr L Mora	
11:10	Indications and limitations for TEO. Atypical indications	Dr S Serra
11:30	Indications and limitations for Hybrid-NOTES: TEO for Transanal Total Mesorectal Excision	Dr A Pallisera
11:50	TEO surgical technique: instrumentation, positioning of the patient and strategic steps	Dr A Serracant
12:15	Hybrid-NOTES Technique: TEO for Transanal TME	Dr L Mora
12:40	Indications for the use of indocyanine green in colorectal surgery. The SERGREEN program	Dr A Garcia
13:00	Discussion	
13:30	Lunch at the workshop facilities	
14:30	III Round Table Anesthesia, Post-surgical complications, Sphincter Alteration, and Pathologic Anatomy. Moderator: Dr X Serra	
14:35	Anesthetics in TEO and Hybrid-NOTES	Dr R Martínez
14:55	Post-surgical complications in TEO and Hybrid-NOTES	Dr A Pallisera
15:15	Risk of sphincter alterations after TEO and Hybrid-NOTES	Dr L Mora
15.35	Roundtable discussion	

HANDS-ON SESSION

Dr X Serra and Dr L Mora, Dr S Serra, Dr A Pallisera, Dr A Serracant

- 16:00 Practical presentation of the instrumentation needed for TEO in the OR: instructions on assembling and handling Mrs Laura Gelabert, Mrs Eva Bassa
- 16:30 Practical training session on assembling and handling the instrumentation.
Practical training session on dissection, cutting and suturing in an artificial model (in groups)
- 16:30 In parallel, a discussion of technical aspects of TEO in video clips
- 17:30 Change of groups: practical training session and discussion of technical aspects of TEO in video clips
- 18:30 End
- 21:00 Course dinner

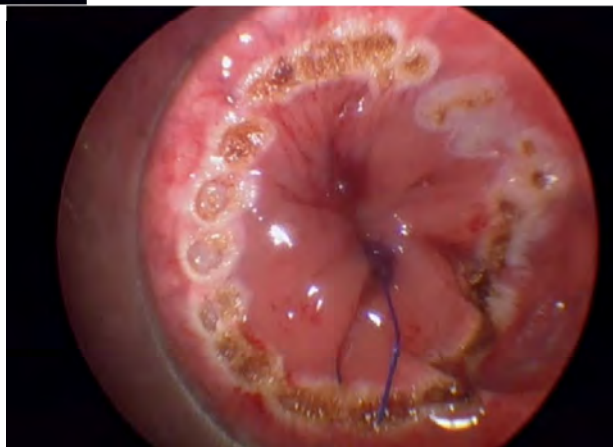
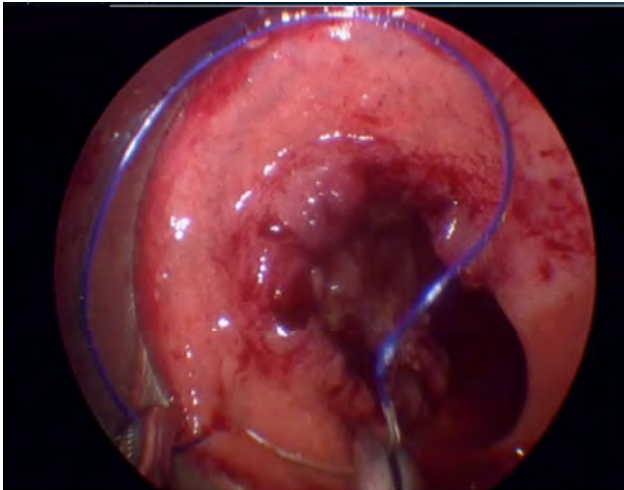


Thursday 30 November 2017

09:00	Presentation of the TEO surgical case	Dr R Flores
09:10	TEO surgical session: Surgical team	Dr X Serra and Dr S Serra, Dr A Campos Dr A Pallisera, Dr L Mora, Dr Serracant
	Broadcasting of live surgeries.....	
11:00	Coffee break	
11:30	IV Round Table: Control and follow-up after TEO and Hybrid-NOTES procedures Moderator: Dr L Mora	
11:35	Pathological anatomy: Preparation of the tissue, setting of resection margins, wall-excision of adenomas and carcinomas with TEO. NOTES-resections.....	Dr A Casalots
11:55	Results from the follow-up cases after TEO in rectal adenomas. High frequency of adenocarcinoma in large rectal adenomas.....	Dr N Ruiz
12:15	Results from the follow-up cases after TEO in T1 rectal adenocarcinomas. Good and bad prognosis in T1 adenocarcinomas.....	Dr A Casalots
12:35	T2 as indication for TEO procedures? Preliminary results of the TEO vs ETM clinical trial	Dr C Pericay
12:50	Results from the follow-up cases after Hybrid-NOTES: TEO for Transanal Total Mesorectal Excision.....	Dr A Zarate
13:05	Experimental study of the quantification of indocyanine green using the SERGREEN program in colorectal anastomoses	Dr A Garcia
13:20	Roundtable discussion	
14:00	Lunch at the workshop facilities	
15:30	HANDS-ON SESSION	Dr X Serra and Dr L Mora, Dr S Serra, Dr A Pallisera, Dra. Serracant
15:30	Creation of a purse string using an artificial model. The area of the artificial rectum to be sectioned is dotted with the electric scalpel at a distance of 1 cm from the purse- string; dissection of the purse string area (in groups)	
15:30	In parallel, a discussion of technical aspects of TEO in video clips	
16:30	Change of groups; practical training session and discussion of technical aspects of TEO in video clips	
18:00	End of Hands-on session	

Friday 1 December 2017

09:00	Presentation of the second surgical case.....	Dr A Campos
09:15	Surgical session: Hybrid-NOTES: TEO for Transanal Total Mesorectal Excision	
	Laparoscopic surgical team	Dr L Mora, Dr A Serracant
	Transanal TEO team.....	Dr X Serra, Dr A Pallisera , Dr R Flores
	Broadcasting of live surgeries	Dr S Serra, Dr A Serracant
11:00	Coffee break	
13:00	Interactive evaluation of the course Dr S Navarro Dr X Serra	



LECTURE STAFF

Dr Xavier Serra-Aracil, Department of Surgery, Coloproctology Unit

Dr Laura Mora, Department of Surgery, Coloproctology Unit

Dr Anna Pallisera, Department of Surgery, Coloproctology Unit

Dr Sheila Serra, Department of Surgery, Coloproctology Unit

Dr Anna Serracant, Department of Surgery, Coloproctology Unit

Dr Neus Ruiz , Department of Surgery, Coloproctology Unit

Dr Alba Zarate , resident, Colorectal Unit

Dr Andrea Campos, resident, Colorectal Unit

Dr Roser Flores, resident, Colorectal Unit

Dr Albert Garcia, resident, Colorectal Unit

Dr Eva Ballesteros, Radio-Diagnostic Unit, UDIAT

Dr Eva Martinez, Digestive Pathology Unit

Dr Alex Casalots, Department of Pathology

Dr Fèlix Junquera, Digestive Pathology Unit

Dr Carles Pericay, Department of Oncology

Dr Raquel Martínez, Department of Anesthetics

Dr Gemma Pujol, Department of Anesthetics

Mrs Eva Bassa, Surgical nurse

Mrs Pilar Baró, Surgical nurse

Mrs Laura Gelabert, Surgical nurse

Mrs Anna Vidal, Surgical nurse

COURSE COMMITTEE

Coloproctology Unit, Department for General and Digestive Surgery

Course Directors: Dr Xavier Serra-Aracil, Dr Laura Mora-Lopez

Department for General and Digestive Surgery

Head of Department: Dr Salvador Navarro Soto

COURSE SECRETARIAT

Registration

Maria José López Meseguer
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Servicio de Cirugia
Hospital Universitari Parc Tauli

Payment

Ester Freixa
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Fundació Parc Taulí

The participant's fee for the three-day intensive training course is 1,000 € + IVA

This includes the course dinner on the first evening

Please transfer the sum of 1,000 € + IVA with the code word

“7th International Training Course on TEO” to the following bank account:

Account: 0081 5154 29 0001813582

SWIFT BSABESBB

COURSE REGISTRATION

1. Online: www.teotemtauli.com

The secretary of the course will confirm the registration by e-mail

Places are limited: maximum 20
First come-first serve

CME CREDITS

The course lasts 23.5 teaching hours, which may count towards CME credits

ACCOMMODATION

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