



***XLV MEETING ON
“WHAT IS NEW IN MINIMALLY INVASIVE SURGERY”***

***INNOVATION
IN MINIMALLY INVASIVE SURGERY
LAPAROSCOPIC SURGERY XXXIII***

***CHAPTER OF MINIMALLY INVASIVE SURGERY AND INNOVATION IN TECHNOLOGY
SPANISH ASSOCIATION OF SURGERY (AEC)***

DEPARTMENT OF SURGERY OF THE UNIVERSITY OF SEVILLA

***UNIT OF GENERAL AND DIGESTIVE SURGERY
UNIVERSITY HOSPITAL "VIRGEN DEL ROCÍO"***

***UNIT OF GENERAL AND DIGESTIVE SURGERY
UNIVERSITY HOSPITAL "VIRGEN MACARENA"***

Course Directors:

Prof, S Morales Conde

***Head of the Department of General and Digestive Surgery
University Hospital Virgen Macarena***

Prof, FJ Padillo Ruiz

***Head of the Department of General and Digestive Surgery
University Hospital Virgen del Rocío***

Honorary President: Prof. S Morales Méndez†

SEVILLA (Spain), February 4-6th, 2026

Organizing Committee:

<i>Honorary President:</i>	<i>Prof. S. Morales Méndez</i>
<i>Course Directors</i>	<i>Dr. S. Morales Conde</i> <i>Prof. FJ Padillo Ruiz</i>
<i>Secretary:</i>	<i>Dra. M Socas Macías</i> <i>Dr. I Alarcón del Agua</i> <i>Dr. M. Bustos Jiménez</i> <i>Dr. F. López Bernal</i> <i>Dra. A Senent Boza</i> <i>Dra. A Cano Matías</i> <i>Dr. J Valdés Hernández</i>
<i>Scientific Committee:</i>	<i>Dr. D Díaz Gómez</i> <i>Dr. E Domínguez-Adame Lanuza</i> <i>Dr. MA Gómez Bravo</i> <i>Dr. JC Gómez Rosado</i> <i>Prof. R Jiménez Rodríguez</i> <i>Dr. J López Ruiz</i> <i>Dra. C Marín Velarde</i> <i>Dr. JM Martos Martínez</i> <i>Dr. JR Naranjo Fernández</i> <i>Dr. A Nogales Muñoz</i> <i>Dr F Pareja Ciuró</i> <i>Dr. F de la Portilla de Juan</i> <i>Dr. L Tallón Aguilar</i> <i>Dp. M^aM Martínez Gómez</i> <i>Dp. R Montoro</i> <i>Dp. MD Picón</i>

WEDNESDAY 4th

15.45h: WELCOME MESSAGE:

Course Director:	:	Dr. S Morales Conde
		Dr. FJ Padillo Ruiz
Secretary - Chapter MIS-IT of the AEC:		Dr J Bellido Luque
Vice-President of the AEC:		Dr. MA Gómez Bravo
Managing Director HUVR:		Dr. N Romero
Managing Director HUVM:		Dr. M Colmenero

CONTROVERSIES IN MINIMALLY INVASIVE ABDOMINAL WALL SURGERY

16.00h: Laparoscopic surgery for previously operated inguinal hernia via minimally invasive approach

Chairs: Dra. P Hernández Granado
Dr. L Tallón Aguilar

16.00h: VALUE OF THE LAPAROSCOPIC APPROACH IN MESH REMOVAL
Dr. F Muysoms

16.15h: MINIMALLY INVASIVE APPROACH FOR RECURRENCES AFTER TEP AND TAPP
Dr. F Malcher

16:30h: *Discussion with the moderators*
Dr. JM Suárez Grau
Dra. L Navarro

16:45h: Conference

SINGLE-PORT ROBOTIC SURGERY IN ABDOMINAL WALL REPAIR
Dr. F Muysoms

Presentation and comments: Dr. P Hernández Granado
Dr. M López Cano

17.05h: The preperitoneal space in minimally invasive ventral hernia repair:

Chairs: Dr. M López Cano
Dr. J Gómez Menchero

17.05h: FULLY PREPERITONEAL APPROACH: PeTEP
Dr H Valenzuela

17.20h: TRANSABDOMINAL PREPERITONEAL APPROACH
Dr F Malcher

17.35h: THE PREPERITONEAL SPACE IN LATERAL HERNIAS
Dr S Morales Conde

17:45h: *Discussion with the moderators*
Dr. JR Naranjo Fernández
Dr. M Bustos Jiménez

18.00h: Break

CONTROVERSIES IN BARIATRIC AND METABOLIC SURGERY

18:30h: Impact of Endoscopic treatments in Obesity Surgery

Chairs: Dr. I Alarcón del Agua
Dra. C Balagué Pons

18:30h: NEW ENDOSCOPIC TREATMENTS FOR OBESITY
Dra. S Perretta

18:45h: MANAGEMENT OF OBESITY AFTER FAILED ENDOSCOPIC TREATMENTS
Dra. M^a D Frutos Bernal

Presentation and comments: Dra. S Martínez Cortijo
Dra. A Senent Boza

19:00h: Alternatives to conventional bariatrics procedures

Chairs: Dr. C Ballesta López
Dra. C Balagué Pons

19:00h: LONG-LIMB BYPASS AS AN ALTERNATIVE TO SASI/SADI
Dra. R. Sánchez Santos

19:15h: RECONSTRUCTION OF THE PHRENOESOPHAGEAL MEMBRANE IN SLEEVE
GASTRECTOMY TO PREVENT MIGRATION
Dr. C Copaescu

19:30h: *Discussion with the moderators*
Dr. E Domínguez-Adame Lanuza
Dra. S Martínez Cortijo

19:40h: Conference

SAME 'POUCH' IN BYPASS AND 'VOLUME' IN SLEEVE GASTRECTOMY? SYSTEMATIZATION vs
INDIVIDUALIZATION
Dr. M Bhandari

Presentation and comments: Dra. A Torres García
Dra. R Sánchez Santos

20:00h: End of day 1

THURSDAY 5

LIVE SURGERY

Chair of the session:
Dr. A Torres García

Comments:

Colorectal:
Dra. S Delgado Rivilla
Dr. J García Septien
Dra. R Jiménez Rodríguez

Innovation:
Dr. A Aranzana Gómez
Dra. S Martínez Cortijo
Dra. C Balagué Pons

Abdominal wall:
Dr. M López Cano
Dra. P Hernández Granados
Dr. J Tinoco González.

- 8.30h:** *Clinical history of the patients*
Por determinar
Dra. M Socas Macías/Dra. A Cano Matías
- 8.30h: OR 1:** **ROBOTIC TEP (TOTALLY EXTRAPERITONEAL INGUINAL HERNIA REPAIR)**
Surgeon: Dr. F Malcher
- 8.45h: OR 2:** **LAPAROSCOPIC APPROACH OF RETROPERITONEAL LYMPH NODE ASSISTED BY ICG AND PREOPERATIVE 3D RECONSTRUCTION (pre-recorded)**
Surgeon: Dr. S Morales Conde
- 9.30h: OR 3:** **SURGICAL APPROACH USING MODULAR ROBOT (TBD)**
Surgeon: (Tbd)
- 10:00h: OR 4:** **TOTAL PREPERITONEAL APPROACH (Pe-TEP) OF VENTRAL HERNIAS**
Surgeon: Dr. H Valenzuela
- 10.30h: OR 5:** **ROBOTIC LEFT COLONIC RESECTION WITH INTRAOPERATIVE AUTONOMOUS BLOCK AND TAP BLOCK**
Surgeon: Dr A Caycedo
- 11:30h: OR 6:** **LAPAROSCOPIC LEFT COLONIC RESECTION WITH 3D RECONSTRUCTION AND ANALYSIS OF THE PERFUSION USING ICG AND HYPERSPECTRAL IMAGE**
Surgeon: Dr. S Morales Conde

THE ESOPHAGEAL APPROACH IN DEBATE

13.10h: Trends in the management of esophageal cancer

Chair: Dr. A Martínez Isla
Dra. M Socas Macías

13:10h: AVOIDING IVOR-LEWIS...TRANSTHORACIC AND TRANSHIATAL ESOPHAGUECTOMY
Dr. Y Mintz

13:25h: MICE - TRANSCERVICAL ESOPHAGUECTOMY – PERSPECTIVES OF A NEW APPROACH
Dr. F Mingol Navarro

Discussion: Dr. S Martínez Cortijo
Dr. A Aranzana Gómez

13.40h: Lunch

BEYOND THE BOUNDARIES OF THE INNOVATION IN SURGERY

15:00h: impact of new systems as alternatives to current innovation

Chairs: Dr. P Mascagni
Dr. J Bellido Luque

15.00h: Beyond the use of ICG for Anastomoses – IS LASER SPECTRAL AND HYPERSPECTRAL IMAGING A VIABLE ALTERNATIVE TO THE CURRENT STANDARD?

Dr. S Morales Conde

15.15h: Beyond the Improvement of Anastomosis Systems – THE NEW GENERATION OF MAGNETIC ANASTOMOSIS

D. M Galvao (vc)

15.30h: Beyond Current Robotics – REAL EXPERIENCES IN ROBOTIC TELE-SURGERY

Dr. M Bhandari

15.45h: Beyond Standard Vision – IMMERSIVE, 3D, OR PANORAMIC VISUALIZATION SYSTEMS

Dr. Y Mintz

16:00h: Discussion:

Dr. J M^a Alamo Martínez

Dr. A Balla

16:15h: Conference

PRECISION ONCOLOGIC SURGERY

Dr. T Kinoshita

Presentation and Comments: Dr. M Toledano Trincado

Dr. JF Noguera

LIVE SURGERY POR LAPAROSCOPIA ASISTIDA POR ENDOSCOPIA FLEXIBLE

Chairs of the session:

Dr. M Toledano Trincado

Dr. JF Noguera Aguilar

Comments:

F Mingol Navarro

D Diaz Gómez

J Cintas Catena

Dr. P. Mascagni

Dra. C Balagué Pons

Dr. A Aranzana Gómez

16.45h: OR 1: RE-DO OF ANTIRREFLUX SURGERY ASSISTED BY FLEXIBLE ENDOSCOPY

Suregon: Dra. M Socas Macías

17.00h: OR 2: SLEEVE GASTRECTOMY WITH RECONSTRUCTION OF THE PHRENOESOPHAGEAL MEMBRANE

Surgeon: Dr. C Copaescu

18.15h: Transfer to the Royal Academy of Medicine and Surgery

SESSION AT THE ROYAL ACADEMY OF MEDICINE

The 2026 iMIS session

IS NON-OPERATIVE MANAGEMENT THE FUTURE OF SURGERY?

Presidency: Excmo. Sr. President of the Royal Academy of Medicine and Surgery of Sevilla
Ilmo Sr. Dean of the Medical School of the University of Sevilla
Sr. Chair of the Department of Surgery of the Medical School of the University of Sevilla
Sr. Managing Director of the University Hospital “Virgen del Rocío”. Sevilla
Sr. Managing Director of the University Hospital “Virgen Macarena”. Sevilla
Sr. Medical Director of the University Hospital “Virgen del Rocío”. Sevilla
Sr. Medical Director of the University Hospital “Virgen Macarena”. Sevilla
Sr. Vice-President of the Spanish Association of Surgery
Sr. Head of General and Digestive Surgery “Virgen del Rocío”. Sevilla
Sr. Head of General and Digestive Surgery “Virgen Macarena”. Sevilla

20.00h: Welcome Message

Excmo. Sr. Dr. D. C. Infantes Alcón

“THE NON-SURGICAL FUTURE OF SURGERY”

Chair: Ilmo. Sr. Prof. Dr. S. Morales Conde

20.05h:

“FUTURE PREDICTORS OF COMPLETE TUMOR RESPONSE TO AVOID UNNECESSARY SURGERY”

Dra. LM Fernández

Comments: Ilmo. Sr. Prof. Dr. E Targarona Soler

20:20h:

“THE EVOLUTION OF SURGERY: FROM EXCISION TO PRESERVATION”

Prof. Dr D García del Olmo

Comments: Prof. Dr. FJ Padillo Ruiz

Final Comments: Prof. Dr. MA Cuesta Valentín

“IV AWARD OF INNOVATION IN SURGERY”

21.00h: Closing remarks

Excmo. Sr. Presidente de la Real Academia de Medicina de Sevilla

FRIDAY 9th

LIVE SURGERY

(available Immersive Visualization Experience inside the OR from the venue)

Chair:

Dr. E Targarona Soler

Comments:

Colorectal:

Dra. S Delgado Rivilla

Dra. P Tejedor

Dr. B Flor Lorente

Esófago-gástrica:

Dr. A Aranzana Gómez

Dra. S Martínez Cortijo

Dr. A Martínez Isla

Bariátrica:

Dra. R Sánchez Santos

Dr. JL Balibrea

Dra. M^ªD Frutos Bernal

8.15h:

Clinical history of the patients:

Tbd

Dr. I Alarcón del Agua/Dr. J Valdés

8:30h:

OR 1:

TOTAL/SUBTOTAL GASTRECTOMY WITH ICG-GUIDED LYMPHADENECTOMY AND THE USE OF ARTIFICIAL INTELLIGENCE TO IDENTIFY THE ANATOMY

Surgeon: Dr. T Kinoshita

9.00h:

OR 2:

LAPAROSCOPIC ROUX-AND-Y GASTRIC BYPASS

Surgeon: Dr. M. Bhandari

10.00h:

OR 3:

RIGHT COLONIC RESECTION WITH CME AND CRANEAL APPROACH ASSISTED BY ARTIFICIAL INTELLIGENCE, ICG, HYPERSTECTRAL IMAGE AND 3D RECONSTRUCTION WITH THE MARGINAL GAINS PROJECT

Surgeon: Dr. S Morales Conde

11.00h:

OR 4:

TAMIS WITH MODULAR ROBOT

Surgeon: Dr. P Collera Ormazabal

13.30h:

Lunch Break

NEW TRENDS ON SURGICAL INNOVATION IN UPPER G-I SURGERY

15.00h: New data on the uso of ICG-guided Lymphadenectomy in Upper G-I

Chars: Dra. R Sánchez Santos

Dr. I Alarcón del Agua

15.00h: IS REALLY USEFUL ICG-GUIDED LYMPHADENECTOMY IN UPPER G-I SURGERY? – FUTURE PERSPECTIVE

Dr. T Kinoshita

15.15h: INFLUENCE OF NEOADYUVANT THERAPY AND TUMOR REGRESION ON ICG-GUIDED LYPHADENECTOMY

Dra. A Senent Boza

15:30h: *Discussion*

Dr. A Tejada Gómez

Dr. D Díaz Gómez

NEW TRENDS ON SURGICAL INNOVATION IN COLORECTAL SURGERY

15.40h: Innovation on technology in pre-malignant colorectal lesions

Chairs: Dr. B Flor Llorente

Dr. F de la Portilla de Juan

15:40h: ARTIFICIAL INTELLIGENCE TO DETECT MALIGNANT POLYPS

Dr. P Tejedor Togoires

15:55: TRANSANAL APPROACH FOR LARGE POLYPS – HOW FAR WE CAN GO
Dra. A Pellisera Lloveras

16:10h: Discussion

Dra. AM^a Garcia Cabrera
Dra. C Torres Arcos

16.20h: Conference:

MAGNETICS ANASTOMOSIS IN COLORECTAL SURGERY
Dr A Caycedo

Comments: Dra. M^aL Reyes Díaz
Dr. JC Gómez Rosado

16.40h: Break

17.10h: Milestones that will shape the future of colo-rectal surgery:

Chairs: Dra. R Jiménez Rodríguez
Dr. J Valdés Hernández

17:10h: New trends in lymphadenectomy: USE OF ICG DURING LYMPHADENECTOMY IN RECTAL CANCER
Dr. P Tejedor Togores

17:25h: Improving the approach: MINIMALLY INVASIVE RETROPERITONEAL APPROACH OF THE COLON
Dr A Caycedo

17:40h: Challenges to achieve: MINIMALLY INVASIVE PELVIC EXENTERATION
Dr B Flor Lorente

17:55h: Technology that will guide our future: ARTIFICIAL INTELLIGENCE AND 3D IMAGING FOR LEARNING RIGHT COLONIC RESECTION WITH CME: THE MARGINAL GAINS PROJECT
Dr S Morales-Conde

18:10h: Improving the postoperative period: ROBOTIC LEFT COLONIC RESECTION WITH INTRAOPERATIVE AUTONOMIC BLOCK AND TAP BLOCK
Dr A Caycedo

18:25h: Discusión con los Moderadores
Dra. A Pallisera Lloveras
Dra. I Ramallo Solís

18.40h: Conference:

REDEFINING THE OR OF THE FUTURE: INTELLIGENT, INTEGRATED, DIGITALIZED OR ARTIFICIAL INTELLIGENCE-DRIVEN?
Dr. J Balibrea del Castillo

Comments: Dr. MA. Gómez Bravo
Dr. JM Álamo Martínez

19.00h: CLOSING REMARKS

Dr. S Morales-Conde
Prof. FJ Padillo Ruiz

INTERNATIONAL SPEAKERS:

Bhandari, M.- Indore (India)
Copaescu, C.- Bucarest (Romania)
Caycedo, A.- Orlando (USA)
Cuesta, MA.- Amsterdam (The Netherlands)
Fernández, LM.- Lisboa (Portugal)
Galvao, M.- Orlando (USA)
Kinoshita, T.- Tokyo (Japan)
Malcher, F.- Nueva York (USA)
Martínez Isla, A.- Londres (UK)
Mascagni, P.- Roma (Italy)
Mintz, Y.- Jerusalén (Israel)
Muysoms, F.- Gante (Belgium)
Perretta, S.- Estrasburgo (France)
Valenzuela, H.- Guadalajara (Mexico)

NATIONAL SPEAKERS:

Aldrey Cao, Inés.- Complejo Hospitalario Universitario de Ourense. Ourense
Aranzana Gómez, A.- Hospital Virgen de la Salud. Toledo
Balagué Pons, C.- Hospital Mútua de Tarrasa. Barcelona
Balibrea del Castillo, J.- Hospital Universitario Germans Trias i Pujol. Barcelona
Ballesta López, C.- Centro Médico Teknon. Barcelona
Collera Ormazabal, P.- Hospital de Sant Joan de Déu de Manresa. Barcelona
Delgado Rivilla, S.- Hospital Mútua de Tarrasa. Barcelona
Flor Lorente, B.- Hospital Universitario la Fe. Valencia
Frutos Bernal, MD.- Hospital Virgen de la Arrixaca. Murcia
Gómez Menchero, J.- Hospital de Río Tinto. Huelva
García Granero, A.- Hospital Universitario Son Espases. Mallorca
García Septien, J.- Hospital Universitario de la Princesa. Madrid
Hernández Granados, P.- Hospital Fundación Alcorcón. Madrid
López Cano, M.- Hospital Vall d'Hebron. Barcelona
Martínez Cortijo, S.- Hospital Fundación Alcorcón. Madrid.
Mingol Navarro, F.- Hospital Universitario La Fe. Valencia
Noguera Aguilar, JF.- Hospital Obispo Polanco. Teruel
Palliserà Lloveras, A. Hospital Universitario Parc Taulí. Sabadell. Barcelona.
Sánchez Santos, R.- Complejo Hospitalario de Vigo. Vigo
Targarona Soler, E.- Hospital de la Santa Cruz y San Pablo. Barcelona
Tejedor Togores, P.- Hospital Universitario Gregorio Marañón
Toledano Trincado, M.- Hospital Universitario Río Hortega. Valladolid
Torres García, A.- Hospital Clínico Universitario. Madrid

LOCAL SPEAKERS:

Álamo Martínez, JM.- Hospital Universitario “Virgen del Rocío”. Sevilla
Alarcón del Agua, I.-Hospital Universitario “Virgen del Rocío”. Sevilla
Balla, A.- Hospital Universitario “Virgen Macarena”. Sevilla
Bellido Luque, J.- Hospital Universitario “Virgen Macarena”. Sevilla
Bustos Jiménez, M.- Hospital Universitario “Virgen del Rocío”. Sevilla
Cano Matías, A.- Hospital Universitario “Virgen Macarena”. Sevilla
Cintas Catena, J.- Hospital Universitario “Virgen Macarena”. Sevilla
Díaz Gómez, D.- Hospital Universitario “Virgen del Rocío”. Sevilla
Domínguez-Adame Lanuza, E.- Hospital Universitario “Virgen Macarena”. Sevilla
García Cabrera, AM^a.- Hospital Universitario “Virgen del Rocío”. Sevilla
Gómez Bravo, MA.-Hospital Universitario “Virgen del Rocío”. Sevilla
Gómez Rosado, JC.- Hospital Universitario “Virgen Macarena”. Sevilla
Infantes Alcón, C.- Real Academia de Medicina. Sevilla
Jiménez Rodríguez, R.- Hospital Universitario “Virgen del Rocío”. Sevilla
López Bernal, F.-Hospital Universitario “Virgen del Rocío”. Sevilla
López Romero, JL.- Hospital Universitario “Virgen del Rocío”. Sevilla
López Ruiz, J.- Hospital Universitario “Virgen Macarena”. Sevilla
Martínez Gómez, M^a del M.- Hospitales Universitarios “Virgen del Rocío”. Sevilla
Martos Martínez, JM.- Hospitales Universitarios “Virgen del Rocío”. Sevilla
Mirón Cordo, P.- Hospital Universitario “Virgen del Rocío”. Sevilla
Montoro, R.- Hospital Universitario “Virgen del Rocío”. Sevilla
Morales Conde, S.- Hospital Universitario “Virgen Macarena”. Sevilla
Naranjo Fernández, JR.- Hospital Universitario “Virgen Macarena”. Sevilla
Navarro Morales, L.- Hospital Quironsalud Sagrado Corazón. Sevilla
Nogales Muñoz, A.- Hospital Universitario “Virgen Macarena”. Sevilla
Padillo Ruiz, FJ.- Hospital Universitario “Virgen del Rocío”. Sevilla
Pareja Ciuró, F.- Hospital Universitario “Virgen del Rocío”. Sevilla
de la Portilla de Juan, F.- Hospital Universitario “Virgen del Rocío”. Sevilla
Ramallo Solís, I.- Hospital Universitario “Virgen del Rocío”. Sevilla
Reyes Díaz, M^aL.- Hospital Universitario “Virgen del Rocío”. Sevilla
Senent Boza, A.- Hospital Universitario “Virgen del Rocío”. Sevilla
Socas Macías, M.- Hospital Universitario “Virgen del Rocío”. Sevilla
Suarez Grau, JM.- Hospital Universitario “Virgen del Rocío”. Sevilla
Tallón Aguilar, L.- Hospital Universitario “Virgen del Rocío”. Sevilla
Tejada Gómez, A.- Hospital Universitario “Virgen Macarena”. Sevilla
Tinoco González, J.- Hospital Universitario “Virgen del Rocío”. Sevilla
Torres Arcos, C.- Hospital Universitario “Virgen Macarena”. Sevilla
Valdés Hernández, J.- Hospital Universitario “Virgen Macarena”. Sevilla
Zorrilla, E.- Hospital Universitario “Virgen del Rocío”. Sevilla

Course Venue:

Hotel Meliá Lebreros (Course and pre-course)
Calle Luis de Morales 2
41005 Sevilla
(walking distance from train-AVE-station)

Real Academia de Medicina de Sevilla (Thursday at 20:00)
Calle Abades, 10-12.
Sevilla

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