

14th INTERNATIONAL NOTES-WIDER-BARCELONA

HYBRID COURSE
In-person & Online

NATURAL ORIFICE TRANSLUMINAL ENDOSCOPIC SURGERY



HOSPITAL UNIVERSITARI VALL D'HEBRON I L'INSTITUT DE RECERCA
DIPARTIMENTO DI DISCIPLINE CHIRURGICHE. UNIVERSITÀ DI GENOVA
UCM HOSPITAL CLÍNICO UNIVERSITARIO SAN CARLOS. MADRID

Advanced Endoluminal and Surgical Endoscopy Endoscopic Cooperative Surgery DISCUSSION FORUM

wider-barcelona.org

November 22 and 23, 2021

Paseo de la Vall d'Hebron, 119-129 • 08035 Barcelona • Tel. 93 274 61 00
Instituto Catalán de la Salud • Hospital Universitario Vall d'Hebron. UAB



**VENUE: Auditorium of the Teaching Pavilion
HOSPITAL UNIVERSITARI VALL D'HEBRON**

Passeig de la Vall d'Hebron 119-129, Barcelona 08035

Two operating rooms of experimental surgery, located in the ground floor
of the Institut of Refence of the Vall d'Hebron University Hospital.

Endoscopy rooms

SECRETARY'S OFFICE: Ediciones MAYO S.A.

REGISTRATION: raquelmoran@edicionesmayo.es

FREE ACCESS TO FILL SEATS BY ORDER OF REGISTRATION

ALSO FOR RESIDENT DOCTORS



DIRECTORS

José Ramón Armengol-Miró, Manuel Armengol Carrasco, Antonio José Torres García and Joan Dot Bach

COORDINATORS

Jorge Olsina, Joaquim Balcells, Monder Abu Suboh Abadia and Jordi Armengol Bertrolí

COORDINATORS

Miquel Masachs Perecaula, Ana Benages and M^a. Dolores Castillo Cejas

DESCRIPTION

The **14th International NOTES-WIDER-Barcelona**, on this occasion with a hybrid format (in-person and online), consists of a two-day program. It has a double activity stream. One theoretical composed of conferences about hot topics relating **NOTES**, and a practical one, performed by a team made of the organising staff and guest professors in two experimental surgery rooms, located in the ground floor of the **Institut de Recerca of the Hospital Universitari Vall d'Hebron**, including video broadcasting to the Auditorium of the Teaching Pavilion of the Hospital Universitari Vall d'Hebron.

The course is approved by the **Vall d'Hebron Hospital CEEA** (Animal experimentation ethical committee).

Created on Jan 8 1998, **CEEA** was created to look after the health of experimentation animals. Its functions are, amongst others: To inform about experiments, remove the unnecessary suffering and provide humanitarian euthanasia, and guarantee that all the legal and ethical norms relate to experimentation with animals are being followed.

Realized with the support and strength of the **WIDER-Barcelona, Hospital Universitari Vall d'Hebron** (Universitat Autònoma de Barcelona), **Institut de Recerca of the Hospital Universitari Vall d'Hebron** and **OLYMPUS EUROPA SE & CO** and the collaboration of the **Fundación "la Caixa"**.

The course is aimed at gastroenterologists, clinical endoscopists and surgeons who feel curious and interested in the benefits that **CETON** (Natural orifice transluminal endoscopic surgery) and therapeutic interventionist techniques related to it (**TETON**), represent for the immediate future.

Transmission of cases from the rooms of the Institute de Recerca and Digestive Endoscopy Service of H.U.V.H. with interactive discussion with the auditorium of the Educational Pavilion H.U.V.H. between the Teams of the Chambers and Panel Discussion.

Demonstrations of anesthesia techniques, intubation. Anastomosis, transgastric Cholecystectomy, transvaginal, pancreatectomy, appendectomy and techniques for orifice closing. ERCP and support echoendoscopy and therapeutic. Mediastinum access, POEM, LECS, etc.



J. R. Armengol-Miró



M. Armengol Carrasco



A. J. Torres García



J. Dot Bach

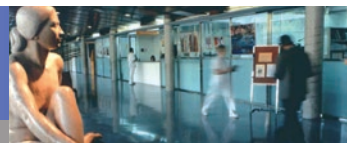
OBJETIVES

- Understand and assess the possibilities, technical limitations and instrumental of NOTES today.
- Become familiar with the instrumental and learning in the Animal Laboratory.
- Assess the technical difficulties in developing different applications.
- Learn and understand the anatomical variants during live broadcasts.
- Understanding the possible selection of candidates in the future.
- Understand the different ways of approach transluminal.
- Understand and evaluate the different possibilities of combined procedures.
- Review the various possibilities of application in Ethics Committees of each center.

SPONSORED BY

- SOCIETAT CATALANA MÈDICO-QUIRÚRGICA DE ENDOSCOPIA DIGESTIVA
- FUNDACIÓN ESPAÑOLA DE ENDOSCOPIA DIGESTIVA
- SOCIEDAD ESPAÑOLA MÈDICO-QUIRÚRGICA DE ENDOSCOPIA DIGESTIVA
- WIDER-BARCELONA (WORLD INSTITUTE FOR DIGESTIVE ENDOSCOPY RESEARCH)

2021 Accreditation requested to the Consell Català de Formació Continuada de les Professions Sanitàries (Non-regulated and non-formal education) organized by the Hospital Universitari Vall d'Hebron.



World Institute for Digestive Endoscopy Research-Barcelona NOTES Team

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Joaquín Balsells
Ramon Vilallonga
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Monder Abu Suboh Abadia
Miquel Masachs
Jordi Armengol Bertolí
Ana Benages
M. Dolores Castillo Cejas
Jorge Guevara Cubas
Denise Sihuy di Burga
Jaume Boix
Manuel Morales
Vicente Zanón
Jordi Pradell
Ramón Boque
Sandra Castro
José Antonio Baena
José Manuel Fort

Oscar González
Eloy Espin Martí
Francesc Vallribera
Jose Luis Sanchez
Jose Luis Lázaro

International

Sergey Kantsevoy
Per-Ola Park
Irving Waxman
Naohisa Yahagi
Kiyokazu Nakajima
Luis Carlos Sabbagh
Nageshwar Reddy
Abraham Mathew
Louis de Giau
Guillermo Domínguez
Lenardo Sosa
Sha, Weihong
Manoel Galvão Neto

Department of Surgery Hospital Universitari Vall d'Hebron

Urology Service

Juan Morote Robles

Institut de Recerca Hospital Universitari Vall d'Hebron

Marta Rosal
Marielle Esteves
Carla Fonseca
Alejandro Rojo



INVITED SPEAKERS

Aarbakken, Lars (Norway)
Abu Suboh, Monder (Spain)
Ahmed, Robin (P.R. China)
Al Haddad, Mohammad (USA)
Alonso Aguirre, Pedro (Spain)
Alonso Maillo, Germán (Spain)
Armengol Bertrolí, Jordi (Spain)
Armengol Carrasco, Manuel (Spain)
Armengol Miró, José Ramón (Spain)
Arroyo Vázquez, Jorge Alberto (Sweden)
Badaouoi, Abdenor (Belgium)
Baena, José Antonio (Spain)
Balalykin, Aleksey (Russia)
Balibrea, J. M. (Spain)
Balsells, Joaquim (Spain)
Baptista, Alberto (Venezuela)
Benages, Ana (Spain)
Bertström, Maria (Sweden)
Boix Valverde, Jaume (Spain)
Boqué Genovard, Ramón (Spain)
Brijak, Jadranka (Croatia)
Bulajic, Milutin (Serbia)
Burdyukov, Mikhail (Russia)
Cacho Acosta, Guillermo (Spain)
Carilli, Senol (Turkey)
Castillo Begines, Enrique (Spain)
Castillo Cejas, M.^a Dolores (Spain)
Castro, Sandra (Spain)
Charco, Ramón (Spain)
Cordova, José (Mexico)
Conigliaro, Rita (Italy)
Cugat, Esteban (Spain)
De Giau, Louis (Mexico)
De la Iglesia, Manuel (Spain)
De la Morena Madrigal, Emilio (Spain)
De, Suvranu (USA)
Diana, Michele (France)
Domínguez, Guillermo (Argentina)

Dot Bach, Joan (Spain)
Dzhantukhanova, Seda (Russia)
El-Khattabi, Mohamed (Morocco)
Escourrou, Jean (France)
Espín, Eloy (Spain)
Espinel Díez, Jesús (Spain)
Esteves, Marielle (Spain)
Ferrerres, Alberto (Argentina)
Fogel, Roberto (USA/Venezuela)
Fonseca, Carla (Spain)
Fort, José Manuel (Spain)
Frascio, Marco (Italy)
Galofré, Gonzalo (Spain)
Galloro, Giuseppe (Italy)
García-Cano Lizcano, Jesús (Spain)
Garijo, Jesús (Spain)
Giménez, Mariano E. (Argentina)
González, Oscar (Spain)
Gupta, Rajesh (India)
Gusev, Denis (Russia)
Gvozdev, Alexey (Russia)
Hani, Albis (Colombia)
Hassan, Cesare (Italy)
Hugoba, Kristina (Czech Republic)
Hustak, Rastilav (Czech Republic)
Ivantcova, Marina (Russia)
Kantsevov, Sergey (USA)
Kashin, Sergey (Russia)
Kong, Ling-Jian (P.R. China)
Krajciová, Jana (Czech Republic)
Landolfi, Estefanía (Spain)
Laporte, Enric (Spain)
Larrea, Pedro (Peru)
Lee, Dongki (South Korea)
Li, Deliang (P.R. China)
Li, Quanlin (P.R. China)
Lindado, Campo Elías (Venezuela)
Liu, Bing-Rong (P.R. China)

Liu, Dan (P.R. China)
Liu, Li (P.R. China)
Liu, Xiang (P.R. China)
López, Manuel (Spain)
Malyutina, Nina (USA)
Martí, Marc (Spain)
Martinek, Jan (Czech Republic)
Martínez Alcalá, Felipe (Spain)
Martínez-Alcalá García, Álvaro (Spain)
Masachs, Miquel (Spain)
Menchén Fernández-Pacheco, Pedro (Spain)
Montanelli, Julieta (Argentina)
Montori, Alberto (Italy) *In memoriam*
Morales Gordo, Manuel (Spain)
Mulet Zayas, Octavio (Spain)
Muñoz Navas, Miguel (Spain)
Nakajima, Kiyokazu (Japan)
Naval, Javier (Spain)
Noguera, José F. (Spain)
Olmedo, José (Spain)
Olsina Kissler, Jorge J. (Spain)
Ortiz, Jesús (Paraguay)
Panadés Arán, Agustín (Spain)
Park, Per-ola (Sweden)
Paulov, Alexey (Russia)
Pellicer Bautista, Francisco (Spain)
Pérez Roldán, Francisco (Spain)
Piñeiro, Eduardo (Mexico)
Pou Fernández, Juan M.^a (Spain)
Pradell, Jordi (Spain)
Rocamora Serra, Juan (Spain)
Rodríguez Galván, Adriana (Mexico)
Rodríguez Muñoz, Sarbelio (Spain)
Rodríguez Sánchez, Eduardo (Spain)
Rojas, Fernando (Mexico)
Rojo, Alejandro (Spain)
Rosal, Marta (Spain)
Rustemovic, Nadan (Croatia)

Sabbagh, Luis Carlos (Colombia)
Sáenz Coromina, Alejandro (Spain)
Sáenz Fuenzalida, Roque (Chile)
Salord Osses, José C. (Spain)
Salas, Nereo Guillermo (Mexico)
Sánchez, José Luis (Spain)
Segal, Eduardo (Argentina)
Seo, DongWan (South Korea)
Shumkina, Lada (Russia)
Song, Ji Tao (P.R. China)
Sosa, Leonardo (Venezuela)
Spicak, Julius (Czech Republic)
Starkov, Yury (Russia)
Stavropoulos, Stavros (USA)
Torres García, Antonio J. (Spain)
Trías i Folch, Manuel (Spain)
Valdovinos Andraca, Francisco (Mexico)
Vallribera Valls, Francesc (Spain)
Valverde, Claudia (Spain)
Veloso Veloso, Enrique (Spain)
Vidal, Oscar (Spain)
Vila Costa, Marta (Spain)
Vilallonga, Ramon (Spain)
Villalobos, Rafael (Spain)
Way, Jerry (USA)
Wen, Li (P.R. China)
Xu, Mei-Dong (P.R. China)
Yahagi, Naohisa (Japan)
Yamamoto, Shunsuke (Japan/Sweden)
Zanón Navarro, Vicente (Spain)
Zhang, Deyu (P.R. China)
Zhang, Xiaoguang (P.R. China)
Zhining, Fan (P.R. China)
Zilli, Maurizio (Italy)
Zhou, Ping-Hong (P.R. China)
Zhou, Siran (P.R. China)
Zucchi, Elena (Italy)



14th INTERNATIONAL NOTES-WIDER-BARCELONA

SCIENTIFIC PROGRAM: **Monday, November 22, 2021**

Auditorium of the Teaching Pavilion HOSPITAL UNIVERSITARI VALL D'HEBRON

08:30 **Registration**

08:45-09:00 **Presentation**

José Ramón Armengol-Miró (Spain),
Manuel Armengol Carrasco (Spain),
Antonio J. Torres García (Spain) and
Joan Dot (Spain)

09:00-10:15 **Session 1 - NOTES
Present and future**

EXPERIMENTAL NOTES

PRESIDENTS

Manuel Armengol Carrasco (Spain),
Marco Frascio (Italy) and Yury Starkov (Russia)

MODERATORS

Pedro Alonso Aguirre (Spain),
Jean Escorrou (France), Eduardo Segal
(Argentina) and Felipe Martínez Alcalá (Spain)

- Design of a virtual endoluminal surgery simulation (VESS) for training colorectal endoscopic submucosal dissection (ESD).
Suvranu De (USA) (Virtual)
- Endoscopic treatment of epiphrenic diverticulum. Lada Shumkina (Russia) (Virtual)
- Endoscopic flexible technologies: from HD-endoscopes to AI navigation and robotic platforms. Seda Dzhantukhanova (Russia)
- EUS Guided liver biopsy: where do we stand in G-POEM for refractory gastroparesis.
Mohammad Al Haddad (USA)
- The Future of NOTES ~ Endoscopic Surgery.
Li Wen (P.R. China) (Virtual)

10:15-11:00 **OFFICIAL OPENING**

10:30-11:00 Presentation of the book
"Digestive endoscopy terminology"
7th edition

Dr. Jerry Way (USA) (Virtual), Lars Aarbakken
(Norway) (Virtual), José Ramón Armengol-Miró
(Spain) and Franz Reuter (Germany)

PRESIDENTS

José Ramón Armengol-Miró (Spain), Manuel
Armengol Carrasco (Spain), Antonio J. Torres
García (Spain) and Joan Dot (Spain)

11:00-11:30 **Conference**

- Prospective Randomized Controlled Trial
Comparing Traditional ESD With Device-Assisted
ESD For Removal Of Large Colonic Lesions.
Sergey Kantsevov (USA)

11:30-12:00 **Coffee break**

12:00-12:30 **Special lecture**

- New concept of endoscopic MIS: ERBEC.
Ping-Hong Zhou (P.R. China) (Virtual)
- Are We Now Ready to Take the "3rd Space"
Training-Wheels Off and Revisit Traditional
NOTES in the "2nd Space"?
Ping-Hong Zhou (P.R. China) (Virtual)

12:30-13:00 **Actuality Masterly
Conference**

PRESIDENTS

José Ramón Armengol-Miró (Spain),
Manuel Armengol Carrasco (Spain),
Antonio J. Torres García (Spain) and
Joan Dot (Spain)

MODERATORS

Sandra Castro (Spain), Emilio de la Morena
(Spain), Francisco Pellicer (Spain) and
Enrique Castillo Begines (Spain)

ADVANCES IN NOTES

- Future of ERCP [Nadan Rustemovic \(Croatia\)](#)
- Use of SpyGlass – not only in the common bile duct. [Per-Ola Park \(Sweden\)](#)

Session 2

13:00-13:30 Live Session

Session with video transmission from the Research Institut and Clinical Department Working Group (Access and locking, tunneling techniques, myotomy, gastric reduction and others).

Teams Salas: Jorge Olsina (Spain), Juan Dot (Spain), Sergey Kantsevov (USA), Monder Abu Suboh (Spain), Marta Rosal (Spain), Marielle Esteves (Spain), Carla Fonseca (Spain), Alejandro Rojo (Spain), Jordi Armengol Bertoli (Spain), Eduardo Rodríguez, Sánchez (Spain) and Pedro Larrea (Peru)

Moderadores e Discussion guests:

José C. Salord Osés (Spain), Jean Escourrou (France), Roberto Fogel (USA/Venezuela), Jesús Ortiz (Paraguay), Enrique Castillo Begines (Spain) and Manuel de la Iglesia (Spain)

13:30-14:30 EXPERIMENTAL and CLINICAL NOTES

PRESIDENTS

Manuel Armengol Carrasco (Spain), Marco Frascio (Italy), Miguel Muñoz Navas (Spain) and Pedro Alonso Aguirre (Spain)

MODERATORS

Joaquim Balsells (Spain), Enrique Veloso (Spain) and Yury Starkov (Russia)

Masterly Conference

- Duodenal duplication, case report. [Jorge Alberto Arroyo Vázquez \(Sweden\)](#)
- Treatment of digestive tract obstructions by endoscopic stent insertion. A small center experience. [Jesús García-Cano Lizcano \(Spain\)](#)



- Optimizing endoscopic treatment of pancreatolithiasis. [Rajesh Gupta \(India\)](#) (Virtual)
- Tratamiento endoscópico de las lesiones premalignas y del cáncer precoz en el colon: ¿es necesario complicar la estrategia terapéutica? [Sarbelio Rodríguez \(Spain\)](#)

Discussion guests: Gonzalo Galofré (Spain), Louis De Giau (Mexico), Manuel Trias i Folch (Spain), Alejandro Sáenz Coromina (Spain), Juan Rocamora Serra (Spain), Marco Frascio (Italy) and Albis Hani (Colombia)

14:30-15:15 Lunch and video transmission from the Institut de Recerca

Transmission of cases from the rooms of the Institut de Recerca with interactive discussion with the auditorium of the H.U.V.H. between the Teams Salas and Panel Discussion.

Teams Sala:

Jorge Olsina (Spain), Sergey Kantsevov (USA), Joan Dot (Spain), M. Abu Suboh (Spain), Marta Rosal (Spain), Marielle Esteves (Spain), Carla Fonseca (Spain), Alejandro Rojo (Spain) and Pedro Larrea (Peru)

Discussion guests: Joaquim Balsells

(Spain), Juan Rocamora (Spain), José Carlos Salord Osés (Spain), Enrique Castillo Begines (Spain), Sergey Kashin (Russia), Fernando Rojas (Mexico), Eduardo Segal (Argentina), Jesús Ortiz (Paraguay), Campo Elias Lindado (Venezuela) and José Ramón Armengol-Miró (Spain)

15:15-15:45 Special lecture

MODERATORS

José Ramón Armengol-Miró (Spain), Manuel Armengol Carrasco (Spain), Antonio J. Torres (Spain), Sergey Kantsevov (USA) and Sarbelio Rodríguez (Spain)

- Endoscopic Full Thickness Resection Techniques. [Stavros Stavropoulos \(USA\)](#) (Virtual)

14.º INTERNATIONAL NOTES-WIDER-BARCELONA

15:45-17:15 **Controversies between Endoscopic Surgery and Endoluminal Endoscopy**

MODERATORS

Joaquim Balsells (Spain), Enrique Veloso (Spain), Francisco Pellicer (Spain), Felipe Martínez Alcalá (Spain) and Yury Starkov (Russia)

- Endoscopic management of duodenal lesions (video). Naohisa Yahagi (Japan) (Virtual)
- Resection of duodenal tumor (video). Stavros Stavropoulos (USA) (Virtual)
- POEM: update on GERD. Stavros Stavropoulos (USA) (Virtual)
- Long term results of POEM-the Czech. Kristina Hugoba (Czech Republic)
- G-POEM and gastroparesis. Jan Martinek (Czech Republic)
- Endoscopic revision of RYGD obese patients with weight regain. Milutin Bulajic (Serbia)

17:15-17:45 **Conference**

- Endoscopic management of pancreatic collections (drainage, stents, necrosectomy). Abdenor Badaoui (Belgium) (Virtual)

Discussion guests: Gonzalo Galofré (Spain), M. Trias i Folch (Spain), Marco Frascio (Italy), Louis De Giau (Mexico), Pedro Menchén (Spain) and Albis Hani (Colombia)

17:45-18:15 **Coffee break**

18:15-19:30 **SYMPOSIUM: Endoluminal endoscopy and EUS Joint venture**

PRESIDENTS

Pedro Alonso Aguirre (Spain), Sandra Castro (Spain), Ramón Charco (Spain) and Enric Laporte (Spain)

MODERATORS

Francisco Pellicer (Spain), Joaquim Balcells (Spain), Louis De Giau (Mexico), Leonardo Sosa (Venezuela), Marta Vila Costa (Spain)

- Evaluación del espacio linfovascular por ultrasonido endoscópico: una nueva dimensión histológica y óptica (video). Leonardo Sosa Valencia (Venezuela)
- EUS from present to future. Luis Carlos Sabbagh (Colombia)
- EUS-guided RFA for pancreatic tumor management. Dong Wan Seo (South Korea) (Virtual)
- Minimal invasive treatment of severe pancreatitis, reduces mortality at the cost of longer hospital stay and post-pancreatitis diabetes. Maria Bertström (Sweden)
- Magnet compression anastomosis as a definite game-changer for treating difficult benign biliary stricture. Dongki Lee (South Korea)

Discussion guests: Agustín Panadés Arán (Spain), Manuel Morales Gordo (Spain), Emilio de la Morena Madrigal (Spain), Sergey Kashin (Russia), Campo Elías Lindado (Venezuela) and Albis Hani (Colombia)



Monday, November 22, 21:30 • **SPECIAL EVENT** (by personal invitation only)

Museo CosmoCaixa Symposium Dinner-Welcome Banquet WIDER 2021

Welcome to Barcelona

Scientific Symposium

PRESIDENTS: José Ramón Armengol-Miró (Spain) and Yury Starkov (Russia)

MODERATORS: Marina Ivantcova (Russia) and Sarbelio Rodríguez (Spain)

World War C: Coronavirus Impact on Gastroenterology

Nina Malyutina (USA) and Sergey Kantsevov (USA)

Professor J.R. Armengol-Miró and Russian endoscopy

Aleksey Balalikyn (Russia)



14.º INTERNATIONAL NOTES-WIDER-BARCELONA

SCIENTIFIC PROGRAM: **Tuesday, November 23, 2021**

Auditorium of the Teaching Pavilion HOSPITAL UNIVERSITARI VALL D'HEBRON

08:30-10:30 **Session 3** **TABLE CLINICAL NOTES**

PRESIDENTS

Manuel Armengol Carrasco (Spain),
Marco Frascio (Italy), Antonio J. Torres (Spain)

MODERATORS

Joaquim Balsells (Spain), Sergey Kashin (Russia)
and Luis Carlos Sabbagh (Colombia)

- ¿Qué fue de la colestectomía transvaginal?
Alberto Ferreres (Argentina)
- Cirugía invisible imanol y Robótica.
Guillermo M. Domínguez (Argentina) (Virtual)
- Surgical Optical Imaging Towards Precision
Surgery. Michele Diana (France)
- Robotic General Surgery - Codes of Our
Location. Senol Carilli (Turkey) (Virtual)
- ¿Qué se necesita para hacer una cirugía
avanzada? Jesús Garijo (Spain)
- News en cirugía colorectal.
Eloy Espin (Spain)

Masterly Conferences

- Estado actual del abordaje multidisciplinario
de la Obesidad. Antonio J. Torres (Spain)
- Severe Acute Pancreatitis, 10 lessons learned.
Mariano E. Giménez (Argentina)

10:30-11:00 **Coffee break**

11:00-12:00 **Conferences**

- The R&D Frontline 2021: Update from Project
ENGINE. Kiyokazu Nakajima (Japan)

- ERAT (Endoscopic Retrograde Appendicitis
Therapy) 12 years-- From infancy to youth.
Bing-Rong Liu (P.R. China) (Virtual)

12:00-13:45 **Session 4**

NOTES IN LATIN AMERICA

MODERATORS

Eduardo Segal (Argentina) and Jesús Ortiz
Villalba (Paraguay)

- Chicago 4.0 Qué hay de nuevo. Albis Hani
(Colombia)
- Endoscopic Ultrasonography guided biliary
drainage 2021. Luis Carlos Sabaggh
(Colombia)
- X Tag or Endoscopic Suturing.
Roberto Fogel (USA/Venezuela)
- Calidad en endoscopia.
José Cordova Villalobos (Mexico)
- Manejo endoscópico del reflujo gastroesofágico.
Fernando Rojas Mendoza (Mexico)
- Barrett y displasia: Actualidades en las
técnicas de ablación. Francisco Valdovinos
(Mexico)
- Lesiones submucosas. Cuál es el de mayor
rendimiento EUS FNB o needle Knife. Biopsia.
Pedro Larrea (Peru)

13:45-14:00 **Special lecture**

MODERATORS

José Ramón Armengol-Miró (Spain) and
Cesare Hassan (Italy)

- El impacto del Covid-19 en el aumento
de la mortalidad por el cáncer colorectal
Miguel Muñoz Navas (Spain)

14:00-15:00 **SYMPOSIUM:**
Artificial Intelligence

PRESIDENTS

José Ramón Armengol-Miró (Spain),
Cesare Hassan (Italy) and Marina Ivantcova
(Russia)

- AI in colonoscopy: where are we heading?
Cesare Hassan (Italy)
- The role of Artificial intelligence assisted
colonoscopy in CRC screening.
Sergey Kashin (Russia)
- Artificial intelligence in endoscopy:
fears and hopes. Aleksey Balalykin (Russia)
and Marina Ivantcova (Russia)
- La IA en EUS. ¿Qué es?
Leonardo Sosa (Venezuela)

15:00-16:00 **Lunch and video
transmission from the
Institut de Recerca**

Transmission of cases from the rooms of the
Institut de Recerca with interactive discussion
with the auditorium of the H.U.V.H. between
the Teams Salas and Panel Discussion.

Teams Salas: Jorge Olsina (Spain), Joan Dot
(Spain), Sergey Kantsevov (USA), Monder
Abu Suboh (Spain), Marta Rosal (Spain),
Marielle Esteves (Spain), Carla Fonseca (Spain),
Alejandro Rojo (Spain) and Jordi Armengol
(Spain)

Discussion guests: Jaume Boix (Spain),
Joaquim Balsells (Spain), Juan Rocamora (Spain),
Campo Elias Lindado (Venezuela), Enrique
Castillo (Spain), Albis Hani (Colombia), Manuel
de la Iglesia (Spain), Felipe Martínez Alcalá
(Spain) and Eduardo Rodríguez (Spain)

16:00-16:45 **Session 5**

PRESIDENTS

Luis Carlos Sabbagh (Colombia) and
Sergey Kashin (Russia)



MODERATORS

Joan M.^a Pou Fernández (Spain), Germán Alonso
(Spain), Sarbelio Rodríguez (Spain), Marina
Ivantcova (Russia), Jaume Boix Valverde (Spain)
and Pedro Menchén (Spain)

ENDOLUMINAL THERAPEUTIC ENDOSCOPY

- Endoscopic stenting in the treatment of recurrent
epiphrenic diverticulum after laparoscopic
diverticulectomy. clinical case report.
Alexey Gvozdev (Russia)
- Sentinel lymph node navigation in early gastric
cancer. Sergey Kashin (Russia)
- EUS-guided cholangioduodenostomy.
Denis Gusev (Russia)

16:45-17:15 **Coffee break**

17:15-18:15 **Session 6**
TABLE OBESITY

MODERATORS

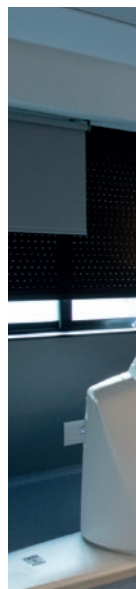
Antonio J. Torres (Spain),
José Manuel Fort (Spain),
Roberto Fogel (USA/Venezuela),
Jaume Boix Valverde (Spain),
José Antonio Baena (Spain) and
Miguel Muñoz Navas (Spain)

Masterly Conferences

- Actualizaciones del tratamiento quirúrgico
de la obesidad. Impacto de la tecnología y
la robótica. Ramon Vilallonga (Spain)
- Tratamiento endoscopico de la obesidad.
Roberto Fogel (USA/Venezuela)
- Update Obesity Surgery.
José María Balibrea (Spain)
- Endoscopic revision of RYGD obese patients
with weight regain. Milutin Bulajic (Serbia)

18:15 **Closure**

14.º INTERNATIONAL NOTES-WIDER-BARCELONA





Images from the operating theaters of the Department of Digestive Endoscopy at Hospital Vall d'Hebron, and from the Welcoming Dinner Symposium.



14th INTERNATIONAL NOTES-WIDER-BARCELONA

NATURAL ORIFICE TRANSLUMINAL
ENDOSCOPIC SURGERY



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