



**32<sup>nd</sup> international congress of the European Association for Endoscopic Surgery and other interventional techniques.**

**Tuesday, 11<sup>th</sup> June, Wednesday, 12<sup>th</sup> June, Thursday, 13<sup>th</sup> June and Friday, 14<sup>th</sup> June 2024**

**Location: MECC Maastricht, The Netherlands**

**Theme: EAES goes green**

**Incorporating the NVEC congress**

**SUBJECT TO CHANGE**

**Monday, 10<sup>th</sup> June**

**WS1 Workshop INGUIDE - level 2 (day 1 of 2)**

**Course director: Stavros Antoniou (Greece)**

Tutor: Miranda Langendam (The Netherlands), Mariska Tuut (The Netherlands)

Room: Lisbon

16.00 - 20.00 hrs

**Tuesday, 11<sup>th</sup> June**

**WS2 Workshop INGUIDE - level 2 (day 2 of 2)**

**Course director: Stavros Antoniou (Greece)**

Tutor: Miranda Langendam (The Netherlands), Mariska Tuut (The Netherlands)

Room: Lisbon

09.00 - 17.45 hrs

**UEMS practical exam (OSCE circuit) (sponsored by Storz)**

**Course directors: Marek Soltés (Slovakia), Georg Bischof (Austria)**

Room: Athens

Whole day, 09.00 - 16.00 hrs

Faculty:

Dusan Lesko (Slovakia)

Beat Müller (Switzerland)

Lars Fischer (Germany) extern

Dorin Popa (Sweden)

Milos Bjelovic (Serbia)

Nathan Curtis (UK)

Nader Francis (UK)

Predrag Andrejevic (Malta)

Patricia Tejedor (Spain)

## Draft scientific programme EAES Maastricht 2024

- 08:30 - 09:00 Examiners meeting
- 09:00 - 09:15 Registration
- 09:15 - 09:30 Introduction & Instructions
- 09:30 - 13:00 Exams
- 13:00 - 14:00 Lunch Break - Stations dismantling
- 14:00 - 14:30 Feedback Questionnaire
- 14:30 - 16:00 Debriefing & Results

### TS1 Technology symposium: Collaboration is key for technological improvements

Room: Cape Town

09.00 - 13.00 hrs

#### Session 1: Collaboration for innovation - success stories

**Chairs: Yoav Mintz (Israel), Michele Diana (France), Chen Sagiv (Israel)**

- 09.00 - 09.15 The surgeon as a leader in surgical instrument design - Kiyokazu Nakajima (Japan)
- 09.15 - 09.30 The consequences when surgeons are not involved in instrument design - Piotr Myśliwiec (Poland)
- 09.30 - 09.45 Evidence based surgical instrument design - Tim Horeman (The Netherlands)
- 09.45 - 10.00 Bringing computer scientists into the OR - Pietro Mascagni (Italy)
- 10.00 - 10.15 Surgical skills centres; the road to public private partnership - Jaap Bonjer (The Netherlands)
- 10.15 - 10.30 From a small lab to the centre of the future of surgery; how did I make it - Santiago Horgan (USA)
- 10.30 - 11.15 Coffee break

#### Session 2: Technology in the OR; state-of-the-art

**Chairs: Rosa Jiménez-Rodríguez (Spain), Luigi Boni (Italy), Gadi Marom (Israel)**

- 11.15 - 11.30 The recommended dose and timing of ICG for common image guided surgery applications - Ludovica Baldari (Italy)
- 11.30 - 11.45 Robotic surgery with the Eurika - Noriyuki Inaki (Japan)
- 11.45 - 12.00 DaVinci, Hugo and CMR: head-to-head - Wanda Petz (Italy)

#### Session 3: Future technologies

**Chairs: Manish Chand (UK), Luigi Manfredi (UK), George Mylonas (UK)**

- 12.00 - 12.15 AI improving safety in surgery today - Felix Nickel (Germany)
- 12.15 - 12.30 Robotic digestive endoscopy and the return of NOTES - Silvana Perretta (France)
- 12.30 - 12.45 Computer vision to flatten the learning curve in robotic surgery - Hans Fuchs (Germany)
- 12.45 - 13.00 Autonomous surgery in robotic surgery - Juan Sánchez Margallo (Spain)
- 13.00 - 14.00 Lunch break

### TS2 Amazing Technologies

Room: Cape Town

14.00 - 17.30 hrs

#### Session 1

**Chairs: Francisco Sánchez Margallo (Spain), Alberto Arezzo (Italy)**

Abstracts

- 15.30 - 16.00 Coffee break

**Session 2**

**Chairs: Young-Woo Kim (Korea), Nicola Di Lorenzo (Italy)**

abstracts

**MC1 EAES Research Talent Academy**

**Course director: Sheraz Markar (UK)**

Room: Paris

10.00 - 12.20 hrs

**Session 1: EAES research clinic**

10:00 - 10:10 Introduction - Tan Arulampalam (UK)

10:10 - 10:30 Academic / clinical / personal balance - Delia Cortes-Guiral (Spain)

10:30 - 10:50 Developing a research programme - Ayesha Noorani (UK)

10:50 - 11:10 The art of writing - how to get your research published - Jaap Bonjer (The Netherlands)

11:10 - 11:30 Collaborating with industry in research - Ahmed Ahmed (UK)

11:30 - 11:50 Establishing research network in 2024 -  
Mark van Berge Henegouwen (The Netherlands)

11:50 - 12:10 Building your academic surgical career - Sheraz Markar (UK)

12:10 - 12:30 Concluding remarks and questions

12.30 - 13.30 Lunch break

**MC2 EAES Research Talent Academy Sandpit**

**Course director: Sheraz Markar (UK)**

**Panellists; Sheraz Markar (UK), Tan Arulampalam (UK), Delia Cortes-Guiral (Spain), Ayesha Noorani (UK), Ahmed Ahmed (UK), Mark van Berge Henegouwen (The Netherlands)**

Room: Paris

13.30 - 13.45 Embedding diversity within your research - Pat Sylla (USA)

13:45 - 16:30 Breakout project development

16:30 - 17:10 Presentation and discussion

17:10 - 17:30 Discussion and presentation of award

**HO1 Flexible Endoscopy**

**Course director: Silvana Perretta (France)**

Assistant: Agnès Gronfier (France)

Room: MECC @ table

09.00 - 17.00 hrs

Tutors: Maurizio Fazi (Italy), Ludovica Guerriero (Italy), Andras Legner (Austria), Pietro Riva (Italy), Gadi Marom (Israel), Margherita Pizzicannella (Italy), Pietro Mascagni (Italy), James Ellsmere (Canada), Rita Rodriguez Luna (France)

At the end of this course the participant will:

- Understand the value and indications of preoperative endoscopy
- Become familiar with the endoscopic management of common gastro-intestinal surgery complications such as bleeding, perforations, leaks and fistula
- Understand indications and basic steps of EMR, ESD and POEM in a controlled and supervised setting
- Become familiar with endoscopic suturing techniques for morbid obesity and GERD
- Understand the indications and basic steps of ERCP and biliary endoscopy

**H02 Laparoscopic suturing beginner sponsored by Karl Storz**

**Course director: Thomas Carus (Germany)**

Room: Rome

10.00 - 13.00 hrs

- Demonstration of instruments for laparoscopic suturing
- Basic knot 1: laparoscopic surgical knot
- Basic knot 2: laparoscopic slip knot
- Basic suture: laparoscopic running suture
- Demonstration of stapling instruments

**H03 Laparoscopic suturing beginner and advanced sponsored by Karl Storz**

**Course director: Thomas Carus (Germany)**

Room: Rome

14.30 - 17.30 hrs

- Perforation closure with laparoscopic slip knot
- Laparoscopic closure of a linear defect
- Segment resection: laparoscopic hand-sewn end-end anastomosis
- Segment resection laparoscopic end-end anastomosis with circular stapler
- Laparoscopic end-side anastomosis in combined hand-sewn / stapler technique

**H04 Laparoscopic bile duct exploration Choledochoscopy (sponsored by Storz)**

Course director: Ahmad Nassar (UK)

Tutors: Jaime Vilaça (Portugal), Tarek Katbeh (UK), Louis Carvalho (Belgium)

09.00 - 17.00 hrs

Room: Washington

Objectives: Advanced procedure-based course highlighting the technical and logistical aspects of one session laparoscopic exploration of the bile duct. A course designed for consultants and senior trainees with the skills of routine and emergency laparoscopic cholecystectomy who may already have experience with intra-operative cholangiography. The candidates are made familiar with the technical aspects through short interactive talks. The course has a major practical hands-on component with opportunity to practice cholangiography, trans-cystic duct cannulation and exploration, choledochotomy exploration and methods of biliary drainage. There will be emphasis on the handling and optimal use of 3mm & 5mm choledochoscopes. Well-designed animal tissue models allow for task repetition and skills development and consolidation. Adequate time is dedicated to detailed discussions of technical aspects utilising extensive video material selected from 1430 Laparoscopic bile duct explorations.

**MC3 Laparoscopic bile duct exploration Choledochoscopy (sponsored by Storz)**

Course director: Ahmad Nassar (UK)

Tutors: Jaime Vilaça (Portugal), Tarek Katbeh (UK), Louis Carvalho (Belgium)

09.00 - 17.00 hrs

Room: Washington

This masterclass is meant for observers to the hands-on course of the same name. You will attend the same theoretical part as the hands-on participants. After that you will continue with videos, while the others are practicing. You will be in the same room so you will get to see all the hands-on activities. This masterclass is especially suited for those who want to know how to setup a service, consider the logistics involved and build a business case.

## **Draft scientific programme EAES Maastricht 2024**

### **WS3 Workshop Classica**

Course directors: Ronan Cahill (Ireland), Alberto Arezzo (Italy), Rita Rodriguez (France)

14.30 - 17.30 hrs

Room: Volga

13.00 - 15.00 Free paper session

Room: Sydney

#### **VM01 Best videos free paper**

**Chairs:** ....., .....

Free paper videos

13.00 - 15.00 Free paper session

Room: Brussels

#### **VM02 Best videos free paper**

**Chairs:** ....., .....

Free paper videos

15.30 - 17.30 Free paper session

Room: Sydney

#### **VM03 Best videos free paper**

**Chairs: Audrius Dulskas (Lithuania), Christos Kontovounisios (UK)**

Free paper videos

15.30 - 17.30 Free paper session

Room: Brussels

#### **VM04 Best videos free paper**

**Chairs: György Lázár (Hungary), Dusan Lesko (Slovakia)**

Free paper videos

### **Opening ceremony**

Room: Auditorium 1

18:00 - 19:00 hrs

### **Welcome reception**

Room: exhibition floor

19:00 - 20:00 hrs

Wednesday, 12<sup>th</sup> June

08.30 - 10.00 hrs Free paper oral

Room: Auditorium 1

**S01 What's new in colorectal surgery?**

**Chairs: Thomas Carus (Germany), .....**

08.30 - 08.45 Evidence to avoid anastomotic leakage - Danique Heuvelings (The Netherlands)

08.45 - 09.00 Update on Ta-TME - Roel Hompes (The Netherlands)

09.00 - 09.15 EAES guidelines: CME for right sided colon cancer - Tim Lubbers (The Netherlands)

09.15 - 09.25 Abstract

09.25 - 09.35 Abstract

09.35 - 09.45 Abstract

09.45 - 09.55 Abstract

08.30 - 10.00 hrs Free paper oral

Room: Auditorium 2

**S02 What's new in hernia surgery?**

**Chairs: Jan Stoot (The Netherlands), Marijn Poelman (the Netherlands)**

08.30 - 08.45 AI and the recognition of hiatal hernia - Karl Fuchs (Germany)

08.45 - 09.00 The role of the robot in hernia surgery - Eva Deerenberg, (The Netherlands)

09.00 - 09.15 Update of the international guidelines for inguinal hernia management -  
Barbora East (Czech Republic)

09.15 - 09.25 Abstract

09.25 - 09.35 Abstract

09.35 - 09.45 Abstract

09.45 - 09.55 Abstract

08.30 - 10.00 hrs Free paper oral

Room: Sydney

**S03 Imagine the future OR**

**Chairs: Stefania Marconi (Italy), .....**

08.30 - 08.45 Imagine the future OR - Manish Chand (UK)

08.45 - 09.00 Clinical implementation of AI in surgery - Denise Hilling (The Netherlands)

09.00 - 09.15 How to perform surgery in a more sustainable way - Eiji Kanehira (Japan)

09.15 - 09.25 Abstract

09.25 - 09.35 Abstract

09.35 - 09.45 Abstract

09.45 - 09.55 Abstract

08.30 - 10.00 hrs Free paper oral

Room: Cape Town

**S04 What's new in bariatric surgery?**

**Chairs: Gil Faria (Portugal), Ana Senent Boza (Spain), Mahir Özmen (Turkey)**

08.30 - 08.45 What's new in bariatric surgery? - Eric Hazebroek (The Netherlands)

08.45 - 09.00 ICG in foregut surgery, when & why? - Santiago Horgan (USA)

09.00 - 09.10 Abstract

09.10 - 09.20 Abstract

09.20 - 09.30 Abstract

09.30 - 09.40 Abstract

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09.40 - 09.50 Abstract  
09.50 - 10.00 Abstract

08.30 - 10.00 hrs Free paper oral  
Room: Brussels

### **S05 What's new in oesophageal and gastric cancer surgery?**

**Chairs: George Hanna (UK), Alice Tsai (UK)**

08.30 - 08.45 What's new in oesophageal surgery? - Suzanne Gisbertz (The Netherlands)  
08.45 - 09.00 What's new in gastric surgery? - Woo Jin Hyung (Korea)  
09.00 - 09.15 Transcervical oesophagectomy - Bastiaan Klarenbeek (The Netherlands)  
09.15 - 09.25 Abstract  
09.25 - 09.35 Abstract  
09.35 - 09.45 Abstract  
09.45 - 09.55 Abstract

08.30 - 10.00 hrs Free paper oral  
Room: Paris

### **S06 What's new in endocrine surgery?**

**Chairs: Anton Engelsman (The Netherlands), Barbara Seeliger (France)**

08.30 - 08.45 What's new in thyroid surgery? - Schelto Kruijff (The Netherlands)  
08.45 - 09.00 Posterior retroperitoneoscopy for the resection of large adrenal masses - Aristos Kechagias (Greece)  
09.00 - 09.10 Abstract  
09.10 - 09.20 Abstract  
09.20 - 09.30 Abstract  
09.30 - 09.40 Abstract  
09.40 - 09.50 Abstract  
09.50 - 10.00 Abstract

08.30 - 10.00 hrs Free paper oral  
Room: Rome

### **S07 What's new in hepatic-pancreatic surgery?**

**Chairs: Yoo-Seok Yoon (Korea), Luca Morelli (Italy)**

08.30 - 08.45 What's new in HPB surgery? - Yoo-Seok Yoon (Korea)  
08.45 - 09.00 Update on the dragon trial - Sinead James (The Netherlands)  
09.00 - 09.10 Abstract  
09.10 - 09.20 Abstract  
09.20 - 09.30 Abstract  
09.30 - 09.40 Abstract  
09.40 - 09.50 Abstract  
09.50 - 10.00 Abstract

10.00 - 10.30 hrs Break

10.30 - 12.00 hrs Scientific  
Room: Auditorium 1

### **S08 How to start: laparoscopic cholecystectomy**

**Chairs: James Ellsmere (Canada), Franck Billmann (Germany)**

10.30 - 10.45 Instruments - Ranbir Singh (India)  
10.45 - 11.00 Anatomical landmarks - Ludovica Baldari (Italy)  
11.00 - 11.15 Indications - Philip de Reuver (The Netherlands)

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- 11.15 - 11.30 Complications - Emina Letic (Bosnia & Herzegovina)  
11.30 - 11.45 How to make your lap cholecystectomy more sustainable -  
Myrthe Eussen (The Netherlands)  
11.45 - 11.55 Abstract

10.30 - 12.00 hrs Scientific  
Room: Auditorium 2

### **S09 Image Guided Surgery**

**Chairs: Manish Chand (UK), Debby Keller (USA), Mahdi Al-Taher (UAE)**

- 10.30 - 10.45 Immersive navigation for rectal cancer training - Antonino Spinelli (Italy)  
10.45 - 11.00 Preliminary clinical results of fluorescent guided surgical oncology -  
Alex Vahrmeijer (The Netherlands)  
11.00 - 11.15 In vivo tissue differentiation using hyperspectral technology -  
Gabrielle Tuijthof (The Netherlands)  
11.15 - 11.30 3D printing in surgery - an update - Francisco Sánchez-Margallo (Spain)  
11.30 - 11.40 Abstract  
11.40 - 11.50 Abstract  
11.50 - 12.00 Abstract

10.30 - 12.00 hrs Scientific  
Room: Sydney

### **S10 EAES & JSES Minimally invasive oesophageal surgery: East meets West**

**Chairs: Noriyuki Inaki (Japan), Richard van Hillegersberg (The Netherlands), Jessie Elliott (Ireland)**

- 10.30 - 10.45 Surgical anatomy of the mediastinum - Miguel A. Cuesta (The Netherlands)  
10.45 - 11.00 Lower mediastinal dissection and esophagogastronomy via the trans hiatal approach  
- Yukinori Kurokawa (Japan) JSES  
11.00 - 11.15 Robotic upper mediastinal lymph node dissection for oesophageal cancer -  
Hiroyuki Daiko (Japan) JSES  
11.15 - 11.30 RAMIE versus MIE - Peter Grimminger (Germany) EAES  
11.30 - 11.45 Robotic mediastinal lymph node dissection - Mark van Berge Henegouwen  
(The Netherlands) EAES

10.30 - 12.00 hrs Scientific  
Room: Cape Town

### **S11 Education in MIS in Africa and the Middle East**

**Chairs: Ahmad Nassar (UK), Hassan Shaker (Egypt), Jaime Vilaca (Portugal)**

- 10.30 - 10.45 Obesity in Arab countries and the development of bariatric surgery training -  
Faheem El Bassiouny (Egypt)  
10.45 - 11.00 Laparoscopic training models in developing countries - Faouzi Chebbi (Tunisia)  
11.00 - 11.15 My journey to become a surgeon in Africa - Gloria Dushimirimana (Rwanda)  
11.15 - 11.30 Research into minimally invasive surgery in low-income countries -  
Ravi Oodit (South Africa)  
11.30 - 11.45 Women at the forefront of minimally invasive surgery in African countries -  
Khadija Zouari Lemayem (Tunisia)  
11.45 - 11.55 Abstract

10.30 - 12.00 hrs Scientific  
Room: Brussels

### **S12 How to start new technologies in colorectal surgery**

**Chairs: Thomas Carus (Germany), .....**



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- 10.30 - 10.45 The usefulness of mixed reality with holograms in colorectal surgery - Umberto Bracale (Italy)
- 10.45 - 11.00 Intraoperative and postoperative complications during laparoscopic colorectal procedures - Dorin Ziyaie (UK)
- 11.00 - 11.15 Robotic LAR step-by step - Victor Tomulescu (Romania)
- 11.15 - 11.30 Use of ICG in colorectal and bariatric surgery - Thomas Carus (Germany)
- 11.30 - 11.40 Abstract
- 11.40 - 11.50 Abstract
- 11.50 - 12.00 Abstract

10.30 - 12.00 hrs Free paper

Room: Paris

### **S13 Best videos Title**

**Chairs:** ....., .....

Abstracts

10.30 - 12.00 hrs Scientific

Room: Rome

### **S14 Fire in the OR; FUSE programme**

**Chairs: Catalin Copaescu (Romania), Manuel Sanchez Casalongue (Spain), Audrey Jongen (The Netherlands)**

- 10.30 - 10.35 Introduction FUSE - Catalin Copaescu (Romania)
- 10.35 - 10.50 Surgical energy - The principles we need to know - Bogdan Smeu (Romania)
- 10.50 - 11.05 Handling monopolar systems without complications - Marta Botti (Italy)
- 11.05 - 11.20 Bipolar devices - efficiency and safety - Clarisa Barlog (Romania)
- 11.20 - 11.35 Stray energy in laparoscopic & robotic surgery - Ana Senent Boza (Spain)
- 11.35 - 11.50 Implantable devices - what do the MIS surgeons need to know? - Audrey Jongen (The Netherlands)

FUSE booth in the exhibition area.

Booth coordinator:

Bogdan Smeu (Romania)

Booth faculty:

Audrey Jongen (The Netherlands)

Francesco Maria Carrano (Italy)

Ana Senent Boza (Spain)

Marta Botti (Italy)

12.00 - 12.20 Lecture

Room: Auditorium 1

### **S15 Jacques Périssat lecture**

Neither here, nor there, but all good – my personal journey with equality, diversity, and inclusion - Neeraj Bhasin (UK)

Introduction by: .....

12.20 - 14.00 Lunch break

12.30 - 13.30 Meet the expert lunch (ME) in MECC @ table (only for participants who have registered for this event)

1. Pancreatic surgery - Misha Luyer (The Netherlands)

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2. Hernia surgery - Eva Deerenberg (The Netherlands)
3. Image guided surgery - Woo Jin Hyung (Korea)
4. Bariatric surgery - Eric Hazebroek (The Netherlands)
5. Robotic surgery - Delia Cortes-Guiral (Spain)
6. UGI - Milos Bjelovic (Serbia)
7. Colorectal surgery - Patricia Sylla (USA)
8. Liver - Ulf Neumann (Germany)
9. Editor Surgical Endoscopy journal - Jaap Bonjer (The Netherlands)

12.45 - 13.45 Satellite symposium Stryker Endoscopy in room Sydney 0.10

13.15 - 13.45 Satellite symposium Olympus Europe in room Brussels 0.4

12.45 - 13.45 Satellite symposium Shenzhen Mindray Bio-Medical Electronics in room Paris 0.5

14.00 - 15.00 hrs Free paper

Room: Auditorium 1

### **S16 Intuitive - EAES robotics award**

**Chairs:** ....., .....

Abstracts

14.00 - 15.00 hrs Free paper

Room: Auditorium 2

### **S17 EAES research grant and sandpit winners**

**Chairs: Lisa Massey (UK), Monica Ortenzi (Italy), Piers Boshier (UK)**

14.00 - 14.07 Sandpit 2023: Development of consensus for GI trainees in robotics - Michael Fadel (UK)

14.07 - 14.14 Sandpit 2023: SMartglasses Application for Remote Training in General LAParoscopic Surgery (SMARTGLASS): A multi-centre pilot study - Bright Huo (Canada)

14.15 - 14.30 Research grant 2020: A pilot study to assess the safety and feasibility of sentinel lymph node identification in colon carcinoma using ICG-Nanocolloid - Esther Consten (The Netherlands)

14.30 - 14.45 Research grant 2020: The UGIRA International Registry for Robot-Assisted Minimally Invasive Gastrectomy (RAMIG) for gastric cancer - Jelle Ruurda (The Netherlands)

14.45 - 15.00 EAES Research grant survey - Marina Yiasemidou (UK)

14.00 - 15.00 hrs Free paper

Room: Sydney

### **S18 Best videos Title**

**Chairs:** ....., .....

Abstracts

14.00 - 15.00 hrs Free paper

Room: Cape Town

### **S19 Best videos Title**

Abstracts

14.00 - 15.00 hrs Scientific

Room: Brussels

### **S20 Best videos Title**

**Chairs:** ....., .....

Abstracts

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14.00 - 15.00 hrs Free paper

Room: Paris

### **S21 Title**

**Chairs:** ....., .....

Abstracts

14.00 - 15.00 hrs Free paper

Room: Rome

### **S22 Title**

**Chairs:** ....., .....

Abstracts

15.00 - 16.30 hrs Scientific

Room: Auditorium 1

### **S23 Robotic surgery: 2024 and beyond**

**Chairs: Hans Fuchs (Germany), Wanda Petz (Italy), Beat Müller (Germany)**

15.00 - 15.15 What to expect from new tools for the Medtronic HUGO - Yoav Mintz (Israel)

15.15 - 15.30 Hybrid robotic surgery with Dexter: How far can we go? - Benjamin Babic (Germany)

15.30 - 15.45 Experience from over 500 CMR procedures - Lutz Mirow (Germany)

15.45 - 16.00 Ergonomic insights in robotic surgery, using the DaVinci System - Dolores Müller (Germany)

16.00 - 16.15 How to transform a surgical robot into a sustainable tool - Tim Horeman (Netherlands)

15.00 - 16.30 hrs Scientific

Room: Auditorium 2

### **S24 EAES & NVEC & DFGS How to magnify the surgical eye**

**Chairs: Sven Mieog (The Netherlands), Danique Heuvelings (The Netherlands), Silvia Quaresima (Italy)**

15.00 - 15.15 Ultrasound in surgical practice - Calin Tiu (Romania)

15.15 - 15.30 Fluorescence guided surgery to reduce anastomotic leakage (AVOID trial) - Denise Hilling (The Netherlands)

15.30 - 15.45 The future of fluorescence surgery - Alexander Vahrmeijer (The Netherlands)

15.45 - 16.00 Practical tips and tricks in fluorescence surgery - Luigi Boni (Italy)

16.00 - 16.15 Image guided navigation to improve surgical precision and oncological outcome - Koert Kuhlmann (The Netherlands)

16.10 - 16.20 Abstract

16.20 - 16.30 Abstract

15.00 - 16.30 hrs Free paper award

Room: Sydney

### **S25 EAES Video Award**

**Chairs: Suzanne Gisbertz (The Netherlands) Milos Bjelovic (Serbia), Salvador Morales Conde (Spain)**

Abstracts

15.00 - 16.30 hrs Scientific

Room: Cape Town

### **S26 EAES & TAES Teaching & training**

**Chairs: Po-Li Wei (Taiwan), Ken Campbell (UK)**

15.00 - 15.15 Surgical education in Taiwan - Chi-Chuan Yeh (Taiwan) TAES

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- 15.15 - 15.30 From Taiwan to Asia-The experience of the Asian Institute of TeleSurgery & IRCAD  
Taiwan - Wayne Shih-Wei Huang (Taiwan) TAES
- 15.30 - 15.45 The new way of green learning - Jaap Bonjer (The Netherlands)
- 15.45 - 16.00 Learning and managing retirement - Karl-Hermann Fuchs (Germany)
- 16.00 - 16.10 Abstract
- 16.10 - 16.20 Abstract
- 16.20 - 16.30 Abstract

15.00 - 16.30 hrs Free paper

Room: Brussels

### **S27 Title**

**Chairs:** ....., .....

Abstracts

15.00 - 16.30 hrs Free paper

Room: Paris

### **S28 Title**

**Chairs:** ....., .....

Abstracts

15.00 - 16.30 hrs Free paper

Room: Rome

### **S29 Title**

**Chairs:** ....., .....

Abstracts

16.30 - 17.00 Coffee break

17.00 - 18.30 hrs Scientific

Room: Auditorium 1

### **S30 IFSES Highway to disaster**

**Chairs: Eduardo Targarona (Spain), Davide Lomanto (Singapore)**

1 presentation - speaker (country)

2 presentation - speaker (country)

3 presentation - speaker (country)

4 presentation - speaker (country)

5 presentation - speaker (country)

17.00 - 18.30 hrs Scientific

Room: Auditorium 2

### **S31 Challenges and super tips in colorectal surgery**

**Chairs: Rosa Jiménez-Rodríguez (Spain), Nathan Curtis (UK)**

17.00 - 17.15 How to perform the best anastomosis - Pat Sylla (USA)

17.15 - 17.30 Low Anterior Resection Syndrome (LARS): prevalence and associated factors -  
Marylise Boutros (USA)

17.30 - 17.45 Complete mesocolic excision: how to do it - Luigi Boni (Italy)

17.45 - 18.00 How to deal with intraoperative complications - Antonino Spinelli (Italy)

18.00 - 18.10 Abstract

18.10 - 18.20 Abstract

18.20 - 18.30 Abstract

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17.00 - 18.30 hrs Scientific

Room: Sydney

### **S32 EAES & NVEC How transparency can improve patient outcome**

**Chairs: Evalyn Mulder (The Netherlands), Albert Wolthuis (Belgium)**

17.00 - 17.15 Objective assessment surgical skills - Sem Hardon (The Netherlands)

17.15 - 17.30 The black box in the OR - Teodor Grantcharov (USA)

17.30 - 17.45 The glass operating theatre: transparent and fragile - John Van Den Dobbelsesteen (The Netherlands)

17.45 - 18.00 Proficiency in surgery: tools and AI - Tony Gallagher (Belgium)

18.00 - 18.10 Abstract

18.10 - 18.20 Abstract

18.20 - 18.30 Abstract

17.00 - 18.30 hrs Free paper award

Room: Cape Town

### **S33 EAES Poster Award**

**Chairs: George Hanna (UK), Jaap Bonjer (The Netherlands), Nader Francis (UK)**

Abstracts

17.00 - 18.30 hrs Scientific

Room: Brussels

### **S34 New hopes and challenges in bariatric endoscopy (sponsored by Boston Scientific through an unrestricted educational grant)**

**Chairs: Barham Abu Dayyeh (USA), Silvana Perretta (France)**

17.00 - 17.15 Endoscopic rescue of bariatric surgery complications - Gianfranco Donatelli (France)

17.15 - 17.30 Endoscopic sleeve gastrectomy: the science and the evidence - Silvana Perretta (France)

17.30 - 17.45 Endoscopic regenerative medicine for metabolic disease - Barham Abu Dayyeh (USA)

17.45 - 18.00 Weight regain after bariatric surgery: drugs, devices or both? - Christine Stier (Germany)

18.00 - 18.10 Abstract

18.10 - 18.20 Abstract

18.20 - 18.30 Abstract

17.00 - 18.30 hrs Free paper

Room: Paris

### **S35 Title**

**Chairs: ....., .....**

Abstracts

17.00 - 18.30 hrs Free paper

Room: Rome

### **S36 Title**

**Chairs: ....., .....**

Abstracts

18.30 - 19.00 in Auditorium 1

### **HMLTA Honorary membership & Lifetime Achievement Award session**

Master of ceremony: George Hanna (UK)

**Nominees HM:**

## Draft scientific programme EAES Maastricht 2024

Mark Talamini (USA), introduction by Jaap Bonjer (The Netherlands)  
Eiji Kanehira (Japan) introduction by Alberto Arezzo (Italy)

### Nominee LTA:

Roger Motson (UK), introduction by Tan Arulampalam (UK)

19.00 - 20.00 in Auditorium 1

### EAES General Assembly

## Thursday, 13<sup>th</sup> June

08.30 - 10.00 hrs Scientific

Room: Auditorium 1

### **S37 Highway to disaster 2**

**Chairs: Mahir Özmen (Turkey)**

1 presentation - speaker (country)

2 presentation - speaker (country)

3 presentation - speaker (country)

4 presentation - speaker (country)

5 presentation - speaker (country)

08.30 - 10.00 hrs Scientific

Room: Auditorium 2

### **S38 How to start: laparoscopic inguinal hernia**

**Chairs: Samir Delibegovic (Bosnia & Herzegovina), Emanuele Botteri (Italy), Ales Tomazic (Slovenia)**

08.30 - 08.45 Instruments - Marta Botti (Italy)

08.45 - 09.00 Anatomical landmarks - Lisa Massey (UK)

09.00 - 09.15 Indications - Miljan Zindovic (Montenegro)

09.15 - 09.30 Complications - Ferdinando Agresta (Italy)

09.30 - 09.40 Abstract

09.40 - 09.50 Abstract

09.50 - 10.00 Abstract

08.30 - 10.00 hrs Scientific

Room: Sydney

### **S39 Research1 Is your surgeon fit to operate?**

**Chairs: Tan Arulampalam (UK), Nienke Warnaar (UK)**

08:30 - 08:45 Is this a system problem? - Paul Barach (USA)

08:45 - 09:00 My experience of a system under pressure - Nienke Warnaar (UK)

09:00 - 09:15 Is your surgeon fit to operate? - Marek Soltés (Slovakia)

09:15 - 09:30 Captaincy - Michael Blackhurst (New Zealand)

09:30 - 09:40 Abstract

09:40 - 09:50 Abstract

09:50 - 10:00 Abstract

08.30 - 10.00 hrs Scientific

Room: Cape Town

### **S40 EAES & NVEC Engineering the future**

**Chairs: Sem Hardon (The Netherlands), Shiromani Janki (The Netherlands), Juan Sánchez Margallo (Spain)**

- 08.30 - 08.45 Laparoscopic learning curve during training - Sem Hardon (The Netherlands)  
08.45 - 09.00 Surgical Robotics Lab - Sarthak Misra (The Netherlands)  
09.00 - 09.15 Implementation by Incision - Marian Scheer (The Netherlands)  
09.15 - 09.30 Semantic segmentation to identify go and no-go zones during laparoscopic cholecystectomy - Amin Madani (Canada)  
09.30 - 09.45 3D assisted surgery for post trauma deformities - Nick Assink (The Netherlands)  
09.45 - 09.55 Abstract  
09.50 - 10.05 Abstract

08.30 - 10.00 hrs Scientific

Room: Brussels

**S41 EAES & KSERS New technologies in gastric cancer surgery**

**Chairs: Young Woo Kim (Korea), .....**

- 08.30 - 08.45 AI transformation and gastric surgery - Young-Woo Kim (Korea) KSERS  
08.45 - 09.00 Reduced ports robotic gastrectomy for gastric cancer - Sang Hoon Ahn (Korea) KSERS  
09.00 - 09.15 Surgical quality assurance beyond clinical trials - Sheraz Markar (UK) EAES  
09.15 - 09.30 Extended lymphadectomy in robotic gastrectomy - Maria Bencivenga (Italy) EAES  
09.30 - 09.45 Oesophageal anastomosis in MIS - Milos Bjelovic (Serbia) EAES  
09.45 - 09.55 Abstract

08.30 - 10.00 hrs Free paper

Room: Paris

**S42 Title**

**Chairs: ....., .....**

Abstracts

08.30 - 10.00 hrs Free paper

Room: Rome

**S43 Title**

**Chairs: ....., .....**

Abstracts

10.00 - 10.30 Coffee break

10.30 - 12.00 hrs Free paper

Room: Auditorium 1

**S44 Karl Storz - EAES award**

**Chairs: Nicole Bouvy (The Netherlands), Catalin Copaescu (Romania), Tan Arulampalam (UK)**

Abstracts

10.30 - 12.00 hrs Scientific

Room: Auditorium 2

**S45 Mega trends in Artificial Intelligence for surgery**

**Chairs: Young-Woo Kim (Korea), Monica Ortenzi (Italy), Albert Wolthuis (Belgium)**

- 10.30 - 10.45 Surgical training and quality assessment with Artificial Intelligence - Felix Nickel (Germany)  
10.45 - 11.00 AI chatbots and more - large language models in surgery - Chen Sagiv (Israel)  
11.00 - 11.15 Statistics behind the algorithm construction - Daniela Pacella (Italy)

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- 11.15 - 11.30 GPT does it all? Generative Artificial Intelligence in surgery - Pieter de Backer (Belgium)  
11.30 - 11.40 Abstract  
11.40 - 11.50 Abstract  
11.50 - 12.00 Abstract

10.30 - 12.00 hrs Scientific

Room: Sydney

### **S46 EAES & NVEC How the scrub nurse can make the difference**

**Chairs: Aukje Meijerink (The Netherlands), Gil Faria (Portugal)**

- 10.30 - 10.45 Conversion from laparoscopic to open surgery - what are the challenges? - Bruno Teixeira (Portugal)  
10.45 - 11.00 Cultural innovation in healthcare - Germaine Geerders (The Netherlands)  
11.00 - 11.15 Relationships within the OR - Debbie Gooch (UK)  
11.15 - 11.30 Introduction to innovation in daily surgical care & inspiring surgical team - Jan Willem van der Steeg (The Netherlands)  
11.30 - 11.45 Digital Operation Room Assistant (DORA) - Maarten van der Elst (The Netherlands)  
11.45 - 11.55 Abstract

10.30 - 12.00 hrs Scientific

Room: Cape Town

### **S47 Challenges and innovations in benign upper GI**

**Chairs: Ivo Broeders (The Netherlands), Milos Bjelovic (Serbia)**

- 10.30 - 10.45 Meshes in hiatal hernia repair; to use or not to use? - Calin Popa (Romania)  
10.45 - 11.00 Disasters in benign UGI surgery - Eric Hazebroek (The Netherlands)  
11.00 - 11.15 Preventing hernia complications with resource constraints - Galya Chinnery (South-Africa)  
11.15 - 11.30 The GERD story - Outcome of hiatal hernia and anti-reflux surgery in The Netherlands - Willem Hueting (The Netherlands)  
11.30 - 11.40 Abstract  
11.40 - 11.50 Abstract  
11.50 - 12.00 Abstract

10.30 - 12.00 hrs Scientific

Room: Brussels

### **S48 EAES & Chinese society joint session HPB**

**Chairs: Ho-Seong Han (Korea), .....**

- 10.30 - 10.45 presentation - speaker (country) Chinese  
10.45 - 11.00 presentation - speaker (country) Chinese  
11.00 - 11.15 The benefits of MI pancreatectomy for pancreatic cancer (Diploma trial) - Alessandro Esposito (Italy) EAES  
11.15 - 11.30 Implementation and outcomes of robotic liver surgery in The Netherlands - Rutger-Jan Swijnenburg (The Netherlands) EAES  
11.30 - 11.45 How to build a complication registration to improve your surgical practice - Zhouqiao Wu (China)  
11.45 - 11.55 Abstract

10.30 - 12.00 hrs Free paper

Room: Paris

### **S49 Title**

**Chairs: ....., .....**



## Draft scientific programme EAES Maastricht 2024

Abstracts

10.30 - 12.00 hrs Free paper

Room: Rome

**S50 Title**

**Chairs:** ....., .....

Abstracts

12.00 - 12.20 Lecture

Room: Auditorium 1

**S51 Presidential lecture**

Title TBA - George Hanna (UK)

Introduction by: .....

12.20 - 14.10 Lunch break

13.00 - 14.00 Satellite symposium Sonoscape Medical Corp in room Sydney 0.10

13.00 - 14.00 Satellite symposium Medtronic in room Brussels 0.4

13.00 - 14.00 Satellite symposium Astellas Pharma Inc in room Paris 0.5

14.10 - 14.30 Lecture

Room: Auditorium 1

**S52 Sir Alfred Cuschieri technology lecture**

AI for surgical quality assessment - Martin Wagner (Germany)

Introduction by: .....

14.30 - 16.00 hrs Scientific

Room: Auditorium 1

**S53 How to start: laparoscopic right colectomy**

**Chairs: Nicolás De Manzini (Italy), Clarisa Birlog (Romania), Nereo Vettoreto (Italy)**

14.30 - 14.45 Instruments - Francesco Maria Carrano (Italy)

14.45 - 15.00 Anatomical landmarks - Tim Lubbers (The Netherlands)

15.00 - 15.15 Indications and preoperative work up - Nuno Rama (Portugal)

15.15 - 15.30 Complications - Daniel Preda (Romania)

15.30 - 15.40 Abstract

15.40 - 15.50 Abstract

15.50 - 16.00 Abstract

14.30 - 16.00 hrs Scientific

Room: Auditorium 2

**S54 Gerhard Buess Technology award**

**Chairs: Yoav Mintz (Israel), Alberto Arezzo (Italy), Nicola Di Lorenzo (Italy)**

Abstracts

14.30 - 16.00 hrs Free paper

Room: Sydney

**S55 EAES & NVEC Virtual reality and 3D printing to improve surgical outcome**

**Chairs: Simeon Ruiter (The Netherlands), Frank Voskens (The Netherlands)**

14.30 - 14.45 The role of 3D printing in surgery - Stefania Marconi (Italy)

14.45 - 15.00 Virtual reality visualisation of lung anatomy: PulmoVR - Quinten Mank (The Netherlands)

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- 15.00 - 15.15 Hologram guided surgery - Annabel Groeneberg (The Netherlands)  
15.15 - 15.30 How to build a 3D lab for medical tools - Vito van Dal (The Netherlands)  
15.30 - 15.45 3D assisted surgery in fracture care - Anne Meesters (The Netherlands)  
15.45 - 15.55 Abstract

14.30 - 16.00 hrs Scientific

Room: Cape Town

### **S56 EAES & ELSA Disaster and complications during hernia surgery**

**Chairs: Filip Muysoms (Belgium), Umberto Bracale (Italy)**

- 14.30 - 14.45 Management of bladder neck injury caused by balloon dissection in TEP inguinal hernia surgery - Aung Myint Oo (Singapore) ELSA  
14.45 - 15.00 Disasters in hernia surgery - Davide Lomanto (Singapore) ELSA  
15.00 - 15.15 Giant abdominal wall defects - Stefanie Breukink (The Netherlands)  
15.15 - 15.30 Know your anatomy: avoiding complications - Jan Stoot (The Netherlands) EAES  
15.30 - 15.45 Pre habilitation on complex wall surgery - Eva Barbosa (Portugal)  
15.45 - 16.00 Step-by-step TAPP procedure for recurrent inguinal hernia - Umberto Bracale (Italy)

14.30 - 16.00 hrs Scientific

Room: Brussels

### **S57 Flexible surgery, here we come!**

**Chairs: Silvana Perretta (France), .....**

- 14.30 - 14.45 The endo-bariatric revolution: should surgeons be afraid? - Christine Stier (Germany)  
14.45 - 15.00 New robotic endoscopic platforms - Silvana Perretta (France)  
15.00 - 15.15 Third space endoscopy and full thickness resection: the discovery of a new land - Philip Chiu (Hong Kong)  
15.15 - 15.30 Image guided flexible endoscopy: smart imaging for smart diagnosis - Rita Rodriguez Luna (France)  
15.30 - 15.40 Abstract  
15.40 - 15.50 Abstract  
15.50 - 16.00 Abstract

14.30 - 16.00 hrs Scientific

Room: Paris

### **S58 How to start your bariatric surgery**

**Chairs: Gil Faria (Portugal), Miljana Vladimirov (Germany)**

- 14.30 - 14.45 Laparoscopic RYGBP, with standard port placement, step-by-step - Gil Faria (Portugal)  
14.45 - 15.00 Robotic RYGB as revision bariatric procedure - Miljana Vladimirov (Germany)  
15.00 - 15.15 Laparoscopic sleeve gastrectomy with standard port placement, step-by-step - Miljan Zindovic (Montenegro)  
15.15 - 15.30 Reduced port sleeve and bypass, step-by-step - Aung Myint Oo (Singapore)  
15.30 - 15.40 Abstract  
15.40 - 15.50 Abstract  
15.50 - 16.00 Abstract

14.30 - 16.00 hrs Free paper

Room: Rome

### **S59 Title**

**Chairs: ....., .....**

Abstracts

- 16.00 - 16.30 Coffee break

16.30 - 18.00 hrs Scientific

Room: Auditorium 1

**S60 Highway to disaster 3**

**Chairs:** ....., .....

- 1 presentation - speaker (country)
- 2 presentation - speaker (country)
- 3 presentation - speaker (country)
- 4 presentation - speaker (country)
- 5 presentation - speaker (country)

16.30 - 18.00 hrs Scientific

Room: Auditorium 2

**S61 How to start your colorectal surgery**

**Chairs: Marta Penna (UK), Ken Campbell (UK)**

- 16.30 - 16.45 Indications - Ronan Cahill (Ireland)
- 16.45 - 17.00 Anatomical landmarks - Jurriaan Tuynman (The Netherlands)
- 17.00 - 17.15 Radiological findings - Bibi Martens (The Netherlands)
- 17.15 - 17.30 Complications - Freek Daams (The Netherlands)
- 17.30 - 17.45 EAES guidelines: complicated diverticulitis - Dorin Popa (Sweden)
- 17.45 - 17.55 Abstract

16.30 - 18.00 hrs Scientific

Room: Sydney

**S62 EAES & NVEC How to combine innovation and sustainability**

**Chairs: Schelto Kruijff (The Netherlands), Kevin Wevers (The Netherlands), Stefania Marconi (Italy)**

- 16.30 - 16.45 Sustainability and responsibility to incorporate in innovation - Andrea Pietrabissa (Italy)
- 16.45 - 17.00 Environmental sustainability in robotic and laparoscopic surgery - Nader Francis (UK)
- 17.00 - 17.15 How to improve your surgical procedures to minimalise environmental impact (CAREFREE) - Myrthe Eussen (The Netherlands)
- 17.15 - 17.30 Neuromodulation to improve patient outcome - Misha Luyer (The Netherlands)
- 17.30 - 17.45 Sustainable education and training in gynaecology - Anne Timmermans (The Netherlands)
- 17.45 - 17.55 Abstract

16.30 - 18.00 hrs Scientific

Room: Cape Town

**S63 EAES & SAGES Complications in surgery**

**Chairs: Alexis Buggenhout (Belgium), .....**

- 16.30 - 16.45 Anastomotic leakage - Murielle Mormont (Switzerland)
- 16.45 - 17.00 Adverse events following robotic surgery - Christopher Schlachta (Canada)
- 17.00 - 17.15 Impact of complications on our environment - Pat Sylla (USA)
- 17.15 - 17.30 How the use of AI can avoid complications - Amin Madani (USA)
- 17.30 - 17.40 Abstract
- 17.40 - 17.50 Abstract
- 17.50 - 18.00 Abstract

16.30 - 18.00 hrs Free paper

Room: Brussels

**S64 Title**

**Chairs:** ....., ....., .....  
Abstracts

16.30 - 18.00 hrs Free paper

Room: Paris

**S65 Title**

**Chairs:** ....., ....., .....  
Abstracts

16.30 - 18.00 hrs Free paper

Room: Rome

**S66 Title**

**Chairs:** ....., ....., .....  
Abstracts

18.00 - 19.00 hrs Free paper

Room: Auditorium 1

**S67 Title**

**Chairs:** ....., ....., .....  
Abstracts

18.00 - 19.00 hrs Free paper

Room: Auditorium 2

**S68 Title**

**Chairs:** ....., ....., .....  
Abstracts

18.00 - 19.00 hrs Free paper

Room: Sydney

**S69 Title**

**Chairs:** ....., ....., .....  
Abstracts

18.00 - 19.00 hrs Free paper

Room: Cape Town

**S70 Title**

**Chairs:** ....., ....., .....  
Abstracts

18.00 - 19.00 hrs Free paper

Room: Brussels

**S71 Title**

**Chairs:** ....., ....., .....  
Abstracts

18.00 - 19.00 hrs Free paper

Room: Paris

**S72 Title**

**Chairs:** ....., ....., .....  
Abstracts

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18.00 - 19.00 hrs Free paper

Room: Rome

### **S73 Title**

**Chairs:** ....., .....

Abstracts

## Friday, 14<sup>th</sup> June

### **MC4 Artificial Intelligence**

**Masterclass directors:** Felix Nickel (Germany), Chen Sagiv (Israel), Pietro Mascagni (Italy)

**Faculty:** Ronan Cahill (Ireland), Pieter de Backer (Belgium), Martin Wagner (Germany), Young-Woo Kim (Korea), Luca Sestini (France), Deepak Alapatt (France)

Room: Sydney

09.00 - 17.30 hrs

### **Session 1: Digital surgery**

09:00 - 09:10 Surgical data science - Pietro Mascagni (Italy)

09:10 - 09:40 Tactile internet in surgery - Martin Wagner (Germany)

09:40 - 10:10 Surgical robotics as a key platform - Pieter de Backer (Belgium)

10.10 - 10:40 **Coffee break**

### **Session 2: AI fundamentals**

10:40 - 11:10 Intro to AI and ML - Chen Sagiv (Israel)

11:10 - 11:40 Intro to CV and DL - Deepak Alapatt (France)

11:40 - 12:10 Coding your AI - Luca Sestini (France)

12.10 - 13:10 **Lunch break**

### **Session 3: Surgical AI**

13:10 - 13:40 CLASSICA - Ronan Cahill (Ireland)

13:40 - 14:10 Surgical quality assessment with AI - Felix Nickel (Germany)

14:10 - 15:30 Ethical, cultural, and educational considerations - Young-Woo Kim (Korea)

**14.30 - 14:45 Coffee break**

**14:45 - 15:00** Onboarding to the SAGES CVS challenge

### **15.00 - 18:00 Hands-on**

Building and using a surgical AI application - Deepak Alapatt (France), Luca Sestini (France)

Deepathology - Chen Sagiv (Israel)

CVS annotation - Pietro Mascagni (Italy), Martin Wagner (Germany)

Audience we are aiming to attract:

-Surgeons of any age, residents, medical students interested in getting more basic knowledge on AI research and applications in surgery including some practical exposure to surgical AI

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Programme (1 day):

- Basic introduction to AI including core terms and different architectures of important models,
- overview of 1. Sensors /Data, 2. AI Models, 3. AI Tasks, 4. AI Applications, 5. Outcomes, 6. Successful clinical use of AI in surgery
- Practical exercises with AI applications, participants are encouraged to bring their own device (Laptop) and also their own data (surgical video or CT scan) for live experience of annotation, labelling etc.

### **MC5 How to become a successful innovator: medical device innovation bootcamp**

**Masterclass directors: Kiyokazu Nakajima (Japan), Paul Barach (USA), Yoav Mintz (Israel)**

Morning 09.00 - 14.30 hrs

Room: Cape Town

09:00 - 09:10	Introduction - Kiyokazu Nakajima (Japan)
09:10 - 09:20	Ice breaker at each table - Paul Barach (USA)
09:20 - 09:40	The process of innovation - Yoav Mintz (Israel)
09:40 - 10:00	Rapid prototyping - Yuji Ishii (Japan)
10:00 - 10:20	User models, task analysis and device usability assessment - Paul Barach (USA)
10:20 - 10:50	Insights from an entrepreneur: "my failure stories" - Amir Szold (Israel)
10:50 - 11:20	Roundtable session 1
11:20 - 11:40	Coffee break
11:40 - 12:00	Role of engineers in MedTech innovation - Tim Horeman (The Netherlands)
12:00 - 12:30	Insights from an entrepreneur: "from concept to reality - testimonies from founder and CEO of OVESCO" - Marc Schurr (Germany)
12:30 - 13:00	Roundtable session 2
13:00 - 13:30	Pitch session (5-min presentation from each table)
13:30 - 14:00	Wrap up and next steps - Paul Barach (USA)

The EAES Innovation Bootcamp 2024 is a half-day hands-on masterclass learning opportunity for surgeons and engineers interested in the process of designing and manufacturing medical devices. The Bootcamp is structured to help participants quickly improve their innovative thinking while immersing themselves in rigorous, collaborative, action-learning activities centred around the process of designing, prototyping, and manufacturing of medical devices while practicing new innovation skills on real clinical opportunities.

The bootcamp is designed around short lectures from seasoned, experienced innovators who will present real-world issues and scenarios coupled with roundtable innovation training sessions (max. 5 participants per table) with experienced innovation practitioners. The hybrid course will include a mix of on-site and pre-recorded presentations.

You will learn principles central to innovation directly from seasoned instructors: assessing user needs, problem discovery, generating ideas, user innovation, customer sense-making, risk management, manufacturing and quality, regulatory affairs, and more. You will hear from entrepreneurs, investors, and other diverse and international ecosystems.

By the end of the programme, participants will be able to:

- Identify user needs for medical devices through primary and secondary research.
- Explore other healthcare systems, challenges, and innovations from selecting a problem, developing a superior solution, and building a sustainable business model together.

## Draft scientific programme EAES Maastricht 2024

- Combine product needs with fundamental science and engineering to understand how to develop a prototype medical device for the benefit of society.
- Appreciate strategic storytelling on how best to present ideas and gain stakeholder and financial support and gain insights into how these different features affect healthcare innovation in a range of locations.
- Learn how best to contribute productively on an interdisciplinary team tackling complex design, engineering and clinical problems.

### **MC6 Surgical Performance Academy - achieving mastery in surgical practice**

**Masterclass director: Tan Arulampalam (UK)**

**09.00 - 15.30 hrs**

**Room: Brussels**

#### **A training day with Paul Barach (USA), Debbie Gooch (UK), Michael Blackhurst (New Zealand)**

Despite excellence in technical training we find that healthcare is blighted by high levels of preventable harm and poor outcomes. Most surgical complications do not originate from intraoperative technical errors, but rather from deficiencies in non-technical skills, such as communication and trust breakdown. This is costly to our patients and the system but also causes lasting injury to healthcare staff who are often not trained on how to recognise, prevent and mitigate. The success of non-medical, high performing (high-reliability organizations) is based on high-performing teams, standardized communication, and redundant fail-safe backup options which prevent an error from cascading to harm. This deep dive course addresses how best to introduce radical truth, civility, entrustment, team working and higher quality communication skills within high performing multidisciplinary surgical teams through deep reflection, discussion, role play and storytelling. Pre course materials including digital assets will be provided as well as questionnaires seeking to direct the learners to deep reflection and a focus on relevant issues for achieving exceptional and consistent surgical outcomes. We will ensure post workshop follow up occurs to help facilitate and drive culture change.

### **MC7 Ta-TME: Transanal total mesorectal excision for rectal cancer**

**Course director: Michel Adamina (Switzerland)**

**Room: Paris**

09:30 - 10:00	Welcome
10:00 - 10:05	Course outline & objectives - Michel Adamina (Switzerland)
10:05 - 10:25	An overview of surgical techniques for proctectomy - Georgios Peros (Switzerland)
10:25 - 10:45	Rationale, indications, and benefits of ta-TME - Michel Adamina (Switzerland)
10:45 - 11:05	The perfect operation: operative room setup, devices, and instruments - Frédéric Ris (Switzerland)
11:05 - 11:25	The perfect operation: surgical technique step by step - Marta Penna (UK)
11:25 - 11:45	The less than perfect operation: pitfalls and complications - Jurriaan Tuynman (The Netherlands)
11:45 - 12:00	Discussion
12:00 - 13:10	Lunch break
13:10 - 13:30	Pelvic anatomy revisited / pelvic nerve preservation - Isacco Montroni (Italy)
13:30 - 13:50	Beyond cancer: more indications for the transanal approach - Roel Hompes (The Netherlands)

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- 13:50 - 14:10 Unedited taTME videos - All faculty  
14:10 - 14:30 ICG and near-infrared fluorescence angiography and mapping - Merlijn Hutteman (The Netherlands)  
14:30 - 14:50 Transanal transection and single-stapled anastomosis - Caterina Foppa (Italy)
- 14:50 - 15:20 Coffee break
- 15:20 – 15:40 Is a robotic approach an alternative to taTME in cancer & IBD? - Patricia Tejedor (Spain)  
15:40 - 16:00 Introducing ta-TME at home: advice and tricks of the trade - Patricia Sylla (USA)  
16:00 - 16:20 Discussion - all you ever wanted to ask - All faculty  
16:20 - 16:30 Course evaluation  
16:30 - 16:45 Closure

### **MC8 Systematic review and meta-analysis for guideline development**

**Course directors: Francesco Maria Carrano (Italy), Stavros Antoniou (Greece)**

**Facilitators: Stavros Antoniou (Greece), Bright Huo (Canada), Dimitris Mavridis (Greece), Monica Ortenzi (Italy), Eugenia Romano (UK), Sofia Tsokani (Greece), Alexandros Tzanis (Greece)**

**Room: Rome**

FOR INVITED PARTICIPANTS ONLY

#### **Session 1: Systematic review**

- 09.00 - 09.05 Introduction - Stavros Antoniou (Greece)  
09.05 - 09.10 Definition, importance, and aims of a systematic review - Francesco Maria Carrano (Italy)  
09.10 - 09.20 Characteristics of different types of literature reviews - Eugenia Romano (UK)  
09.20 - 09.30 Building a protocol - Stavros Antoniou (Greece)  
09.30 - 09.45 Systematic review: researching the evidence - Bright Huo (Canada)  
09.45 - 09.55 Systematic review: selecting studies - Alexandros Tzanis (Greece)  
09.55 - 10.05 Systematic review: collecting data - Eugenia Romano (UK)  
10.05 - 10.10 Continuous data - Sofia Tsokani (Greece)  
10.10 - 10.15 Dichotomous and time-to-event data - Dimitris Mavridis (Greece)
- 10.15 - 10.30 Break
- 10.30 - 11.00 Systematic reviews: assessing bias in RCTs - Bright Huo (Canada)  
11.00 - 11.30 Systematic reviews: assessing bias in observational studies - Alexandros Tzanis (Greece)  
11.30 - 11.40 Review report - Monica Ortenzi (Italy)  
11.40 - 11.45 Putting it all together - Francesco Maria Carrano (Italy)
- 11.45 - 12.00 PROFICIENCY TEST - 15 minutes

#### **Session 2: Advanced systematic review and meta-analysis course**

- 12.00 - 12.20 Analysing data and undertaking a meta-analysis: introduction to meta-analysis - Sofia Tsokani (Greece)  
12.20 - 12.40 Fixed effect and random effects meta-analysis (dichotomous/continuous outcomes, counts and rates, time to event outcomes) - Dimitris Mavridis (Greece)  
12.40 - 12.50 Effect sizes (risk/odds ratio) - Sofia Tsokani (Greece)  
12.50 - 13.05 Heterogeneity (subgroup/meta-regression analyses) - Dimitris Mavridis (Greece)



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- 13.05 - 13.15 Small study effects and publication bias - Dimitris Mavridis (Greece)
- 13.15 - 13.20 Missing data - Dimitris Mavridis (Greece)
- 13.20 - 13.25 Introduction to network meta-analysis - Dimitris Mavridis (Greece)
- 13.25 - 13.30 Putting it all together - Sofia Tsokani (Greece)

### **H05 Advanced laparoscopic skills**

**Course directors: Nicole Bouvy (The Netherlands), Mahdi Al-Taher (UAE),**

**Tutors: Kevin Wevers (The Netherlands), Tim Lubbers (The Netherlands)**

**Location: MUMC - proefdierlab**

12 participants

Residents, specialists and consultants looking to advance their surgical skills (first come, first served)

09.00 - 17.00 hrs