

THE FUTURE OF MINIMAL INVASIVE GI DIAGNOSIS & THERAPY

3RD INTERNATIONAL, MULTIDISCIPLINARY MEETING & WORKSHOP

The SATC-Center and the Maersk McKinney Moeller Institute for Robotics and Artificial Intelligence has joint forces and will host an international Symposium on medical and technological aspects of camera capsule technology.

Foreign speakers will discuss data and visions with the national ones and contribute to the future developments and focus areas of camera capsule technology.

Gastroenterologists, surgeons and other with interest in advanced GI diagnostics and early intervention will meet engineers dedicated to camera capsule technology – hardware and software. Future clinical demands and technical inventions and developments will be discussed. Focus will be on robotic hardware and especially artificial intelligence in picture analysis as well as clinical aspects of colorectal cancer diagnostics, inflammatory bowel disease and other intestinal condition.

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3 - 4 APRIL 2020

REGISTRATION DEADLINE 1 MARCH 2020

SINATUR HOTEL STOREBÆLT IN NYBORG, DENMARK

PROGRAMME

08.45 Breakfast & Registration

09.15 Opening & Agenda
Prof. Gunnar Baatrup

Session 1 Clinical aspects I - present practice

Chairperson Prof. Ervin Toth

09.25 Video capsule powers the patient pathway
Keynote speaker Prof. Owen Epstein

09.55 To be announced
Keynote Speaker Prof. Shlomo Lewkowicz

10.25 What my patients need; the practicing clinician's view
Keynote speaker Prof. Robert Steele

10.55 ScotCap: Scotland's clinical evaluation of Colon Capsule Endoscopy'
Prof. Angus Watson

11.15 Short break

11.20 Bowel prep, boosters and completion rates
PhD Rasmus Krøijer

11.40 Panel Discussion moderated by the Chairperson

12.00 Lunch

Session 2 Capsule-based Hardware present & future

Chairperson Prof. Sandy Cochran

13.00 The concepts of AI
Keynote speaker Prof. John Hallam

13.30 Q&A to the Keynote speaker

14.00 Active Locomotion and Localization in the GI tract
Assoc Prof. Gastone Cuiti

14.20 Robotic Endoscopy: From minimally invasive diagnosis to non-invasive treatment
Dr. Evans Mazomenos

14.40 Panel Discussion moderated by the Chairpersons

15.00 Coffee & Networking

ORGANISORS

SATC CENTER
DEPARTMENT OF SURGERY,
OUH SVENDBORG HOSPITAL:

PROFESSOR

ESMAIL S. NADIMI

DR

ANASTASIOS KOULAOUZIDIS

PROFESSOR

GUNNAR BAATRUP

CONSULTANT

NIELS BUCH

EDUCATION SECRETARY

LENE VON FINTEL SOSTACK

SURGEON

ANDERS HØGH

PROJECT NURSES

ANJA WULLE
METTE LUNDVALD

Session 3 Capsule-based Software including AI algorithms

Chairperson Prof. John Plevris

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| 15.30 | Microdevices and microrobots <i>Keynote speaker Anja Boisen</i> |
| 15.45 | X-ray Imaging of Microcontainers Used for Oral Drug Delivey <i>PhD Rolf Kjeldsen</i> |
| 16.00 | Q&A to the Keynote speaker |
| 16.10 | AI is just the tool <i>Assoc Prof. Dimitris Iakovidis</i> |
| 16.30 | AI in capsule endoscopy, present & future <i>Prof. Xavier Dray</i> |
| 16.50 | AI in capsule endoscopy <i>Post Doc Thomas Majtner</i> |
| 17.10 | Panel Discussion moderated by the Chairpersons |
| 18.00 | Concluding remarks and scheduling next day <i>Prof. Esmail S. Nadimi</i> |
| 19.00 | Dinner |
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DAY 2

Session 4 Clinical Aspects II – Future practice & collaboration ideas, proposal etc.

Chairpersons Prof. Martin Keuchel & Prof. Marc McAlindon

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| 9.00 | Genetically-engineered pigs to study cancer and others <i>Keynote speaker - Prof. Angelika Schnieke</i> |
| 9.30 | Q&A to the Keynote speaker |
| 9.40 | Using Ultrasound to detect diseases of the intestinal tract: what do we need to measure? <i>Prof. Inke Nathke</i> |
| 10.00 | FICE technology: A valuable tool in colon capsule endoscopy. <i>Gastroenterology Lecturer Serhiy Semenov</i> |
| 10.20 | Panenteric capsules in Crohn's disease <i>Dr Michael Dam Jensen</i> |
| 10.40 | All you need to know on non-imaging capsules. <i>Dr Gerard Cummins</i> |
| 11.00 | Coffeebreak |
| 11.20 | What the engineers can offer; the head of the lab view <i>Dr Julius Georgiou</i> |
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11.40 Panel Discussion moderated by the Chairpersons

12.00 Building an international network on capsule-based platforms/research

Moderator: Maya Thanou/Tassos Koulaouzidis

12.20 Possible international multicenter studies – presentation of protocols

Moderator: Maya Thanou/Tassos Koulaouzidis

13.20
-14.00 Lunch/networking (optional)
