

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

09.00 Breakfast & Registration

09.45 Opening & Agenda
Prof. Gunnar Baatrup

Session 1 Clinical aspects I - present practice

Chairperson Prof. Ervin Toth

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

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

11.00 Estimation of polyp size by eye and AI
Prof. Gunnar Baatrup

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 Dealing with localization, and locomotion in the GI tract
Assoc Prof. Gastone Cuiti

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

14.40 Panel Discussion moderated by the Chairpersons

15.00 Coffee & Networking

Session 3 Capsule-based Software including AI algorithms

Chairperson Prof. John Plevis

15.30 Microrobots
Keynote speaker Anja Boisen

15.45 X-ray Imaging of Microcontainers Used for Oral Drug Delivery
Post Doc Rolf Kjeldsen

ORGANISORS

SATC CENTER
DEPARTMENT OF SURGERY,
OUH SVENDBORG HOSPITAL:

PROFESSOR

ESMAIL S. NADIMI

DR

ANASTASIOS KOULAOUZIDIS

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NIELS BUCH

EDUCATION SECRETARY

LENE VON FINTEL SOSTACK

SURGEON

ANDERS HØGH

PROJECT NURSES

ANJA WULLE
METTE LUNDVALD

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| 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 |

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 | Cell biology and the capsule; focus on cancer biomarkers <i>Prof. Inke Nathke</i> |
| 10.00 | How a I see a therapeutic capsule, the view of the clinician <i>To be announced</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 | What the engineers can offer; the head of the lab view <i>Dr Julius Georgiou</i> |
| 11.20 | Panel Discussion moderated by the Chairpersons |
| 11.40 | Building an international network on capsule-based platforms/research <i>Moderator: Maya Thanou/Tassos Koulaouzidis</i> |
| 12.00 | Possible international multicenter studies – presentation of protocols <i>Moderator: Maya Thanou/Tassos Koulaouzidis</i> |
| 13.00 -14.00 | Lunch/networking (optional) |