



Medicine is a science of uncertainty and an art of probability

William Osler

NEWSLETTER



Nordre gate, Trondheim City Centre

Photo: Gunnar Gjeldnes

CONTENT

NorMIT Newsletter is published 4 times annually
Chief Editor: Jan Gunnar Skogås
Editorial assistance: Gunnar Gjeldnes

Minister of Health and Care Services opened new multi-modal OR at the Intervention Centre.....	2
New PhD on Modern trends in surgical treatment of colorectal liver metastases.....	2
Welcome to the 33rd Annual SMIT Conference.....	3
Ronald Mårvik.....	5

Receive the Newsletter

E-mail: gunnar.gjeldnes@stolav.no

Minister of Health and Care Services opened new multi-modal OR at the Intervention Centre



Photo: OUS

On November 1st Minister of Health and Care Services Ingvild Kjerfve opened a new multi-modal operating room (OR) at the Intervention Centre. The new OR is configured with the latest Artis Pheno angio equipment from Siemens Healthineers. The Intervention Centre has

an ongoing collaboration with Siemens Healthineers, and the new OR comes in addition to the Siemens Nexaris OR suite with intraoperative angio, MRI and CT scanner that was opened in November 2018 partly financed through the Research Infrastructure funding from NFR – the

NorMIT project. The Minister also learned about ongoing research at the Centre and tested 3D holographic mixed reality presentation of congenital hearts in HoloLens. The event was covered by national television broadcaster TV2.

New PhD on Modern trends in surgical treatment of colorectal liver metastases



Photo: OUS

On November 8th 2021 dr Leonid Barkhatov defended his thesis with the topic **Modern trends in surgical**

treatment of colorectal liver metastases: From laparoscopic parenchyma-sparing resection to focused ultrasound ablation at Faculty of Medicine University of Oslo. Dr Barkhatov's research has been performed at The Intervention Centre. Principal supervisor for the PhD project was professor Bjørn Edwin, and co-supervisors were dr Airazat M.

Kazaryan and professor emeritus Per Kristian Hol. Topic for the Trial Lecture was **Laparoscopic surgery of the pancreas: from standardized practice toward challenging perspectives**. Picture from left: dr Kazaryan, dr Barkhativ, professor Edwin and professor emeritus Trond Buanes who also was Chair of the Defence from University of Oslo.



Welcome to the 33rd Annual SMIT Conference, www.smit2021.com

The 33rd SMIT 2021 Conference is coming soon! **January 17 – 19, 2022** we cordially invite you to join us in Oslo, Norway hosted by Oslo University Hospital.

We anticipate arrivals on the 16th of January in order to be able to join the program starting Monday morning at the 17th.

The 33rd SMIT Conference will have a special focus on topics like Hybrid Operating rooms, Artificial Intelligence, Innovation in Healthcare, Minimally Invasive Therapy and Intervention, Value-based Healthcare, Robotic Surgery and Automation, Surgical Navigation and Visualization and Health Technology for Third world countries.

We have received many abstracts, spread over most of our primary topics. We thank everyone who submitted their research results. We are now sorting abstracts for oral presentation in the MITAT session, oral presentation under various specific sessions, and abstract presentation in a poster session.

The Organizing Committee believes that the cornerstone of the SMIT Conference is the fruitful personal meetings between professionals, and this can only be achieved by physical conferences. Also for the industry, exhibition with physical attendance is of outmost importance.

Register for SMIT2021 here : <https://www.smit2021.com/registration>

At this conference, we also hope to give the industry an excellent showcase of the latest research, knowledge and products within the field of minimally invasive therapy to national and international stakeholders.

We are happy to announce that the floor space set for the industrial exhibition of the 33rd SMIT Conference is now close to fully occupied!

The conference will be held at Radisson Blu Scandinavia Hotel. We will have **industrial workshops, technology showrooms** with possibilities for hands-on experiences, and **live streaming surgery** from our advanced hybrid-ORs at The Intervention Centre at Oslo University Hospital.

FOR/NorMIT will be present with both an exhibition and a session in the official program.



We recommend to spend the weekend before the conference in Oslo, which is beautiful in January! Visit www.visitoslo.com for things to see and do during your stay.

There will be a Special reception at Oslo City hall on Monday the 17th of January!

The Conference Dinner at Tuesday the 18th of January will take place at Ling Ling, located at the end of Aker Brygge you will find Ling Ling by Hakkasan — a luxurious and playful Cantonese restaurant.

For early bird registration please register within **Monday the 15th** of November!

We look forward to seeing you in Oslo!

Presidents of SMIT2021:



Professor Ole Jakob Elle



Professor Bjørn Edwin

Platinum sponsors of SMIT2021 are:



Ronald Mårvik



Photo: Gunnar Gjeldnes

This year, one of the most important contributors to the development of laparoscopic surgery in Norway is withdrawing from the clinical scene. Gastrosurgeon Ronald Mårvik performed his first laparoscopic operation in 1990, since then he has spent a significant amount of hours of his work and free time training surgeons in laparoscopic techniques.

The first courses started in 1991, initially for experienced surgeons. Ronald has assisted 22 Scandinavian hospitals and one in Hungary in connection with the start of laparoscopic surgery.

It became clear early on that close collaboration with the medical-technical industry was necessary if the subject was to be developed. The idea of establishing a closer collaboration with industrial partners

for research and product innovation in laparoscopic surgery took place during the planning of the new university hospital in Trondheim.

Following an idea by Hans Olav Myhre, then head of the surgical department, the National Center for Advanced Laparoscopic Surgery, NSALK, was founded in 1995. As early as 1996, the department hosted the annual EAES conference (European Association of Endoscopic Surgery) and was the most visited among the association's annual congresses until then. Ronald was treasurer of the association, and the se-

get Midnight Golf on the longest day of the year, 21 June.

Following the establishment of NSALK as a national competence center, the Operating Room of the Future, FOR, was established in 2006 with Hans Olav Myhre as the initiator. The first two operating rooms, gastro and vascular surgery, were furnished in collaboration with Olympus and Siemens, which delivered prototypes of equipment.

The operating rooms were built before the central block was demolished, as barracks behind the central block and later moved to Røros hos-



Photo: NSALK

cret was a very low participation fee because the university area at Dragvoll could be rented at a very modest cost. In addition, the opening ceremony in Granåsen, which was to be the arena for the Ski World Cup in Trondheim in 1997, probably meant a lot, and not to for-

pital for reuse. At the top of the FOR rooms, an auditorium was built where, long before video transmissions became common, live transmissions from Japan were arranged for training purposes. Surgeons from all over the world came to learn.

The name Future Operating Room was chosen because no one wanted to be operated on in a room called Experimental Operating Room!

Since the establishment of NSALK, a total of 22 courses have been arranged for gastrosurgeons at Hurrigruta, Trondheim-Bergen-Trondheim, Kirkenes-Trondheim and Tromsø-Trondheim.

One of the richest women in the United States, Turid Josefsen, was originally from Hammerfest. Among

other things, she donated full laparoscopy equipment to Hammerfest Hospital, and Ronald was picked up in her private plane to assist the hospital in the start of laparoscopic procedures.

Ronald is associate professor at NTNU, and is still chief physician at NSALK. He teaches laparoscopic surgery and bile surgery. Ronald has been a member of the EAES's administrative board and the International Technology Committee for 10 years.

In 1999, he received the Reodor Award together with Atle Kleven for his work in developing new technology for increased safety in laparoscopic surgery.

We at FOR/NorMit would like to thank Ronald for a significant commitment to the establishment and development of the research support and a continued good collaboration!



Photo: NSALK

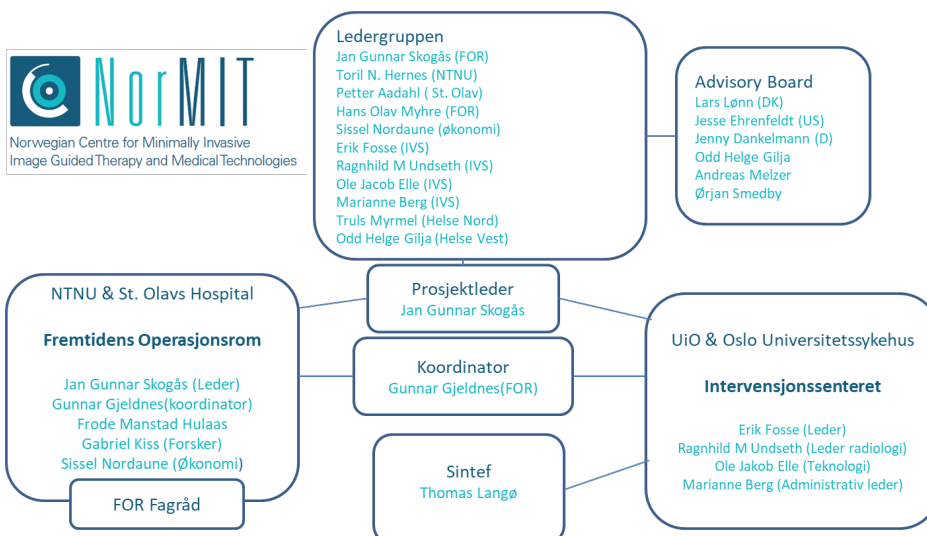
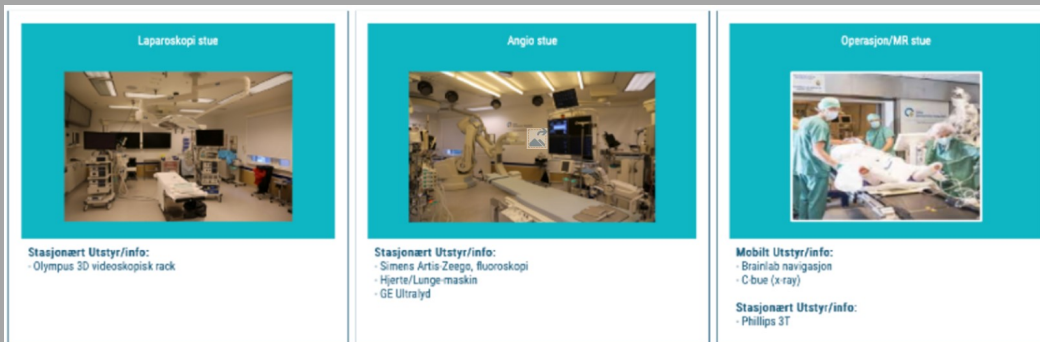
The FOR gastro surgery operating room 2013

NorMIT infrastructure

Trondheim



Oslo





Go to normit.no for more information!

Contact information: Chief editor Jan Gunnar Skogås, phone +47 982 80 585
E-mail: jan.gunnar.skogas@stolav.no



The Intervention Centre



Jan Gunnar Skogås
Head of NorMIT



Toril A. Nagelhus Hernes
Professor in Medical Technology
Deputy head of NorMIT



Erik Fosse
Head of The Intervention Centre
Oslo University Hospital



Merry Christmas!