

Symposium: Global Surgery in a Changing World

13th of May 2022, Trondheim, Norway

9:00 - 9:05	Welcome	Alex van Duinen
9:10 - 10:50	Global surgery Andy Leather (UK) Maria Lise Odland (NO) Håvard Adde (NO) Alphons Matovu (UG) Jurre van Kesteren (NL) Jonathan Vas Nunes (NL) All	Moderator: Bart Waalewijn (NL) Global surgery: an introduction The impact of the COVID pandemic on the health services in Sierra Leone Met and unmet surgical need in Liberia Inguinal hernia research in LMICs PREvalence Study on Surgical COnditions (PRESSCO) in Sierra Leone Panel discussion
10:50 - 11:10	Coffee break	
11:10 - 12:30	Global obstetrics Marcus Rijken (NL) Monica Lauridsen Kujabi (DK) Alex van Duinen (NO) Richard Torp (NO) Erica Logstein (NO) Guro Stamland (NO) Sigrid-Anne Bjørøy (NO) All	Moderator: Josien Westendorp (NL) The Caesarean Section epidemic: a dilemma for obstetricians Enabling Best Possible Childbirth Care in Tanzania - The PartoMa Project Caesarean Sections in Sierra Leone Caesarean Sections in Sierra Leone: 5-year follow-up Caesarean Sections in Sierra Leone: Applying the Robson classification Panel discussion
12:30 - 13:30	Lunch	
13:30 - 14:30	Training Tore Lærdal (NO) Thomas Ashley (SL) Tairu Fofanah (SL) Grethe Heitman (NO) Olle Bladin (SE) All	Moderator: Juul Bakker (NL) Helping Mothers and Babies Survive Training of medical doctors and associate clinicians: the CapaCare programme Training of medical doctors and associate clinicians: experience from the field Innovations in training of postpartum haemorrhage management Learning curve in hernia surgery: a register-based study Panel discussion
14:40 - 15:00	Tea break	
15:00 - 16:00	Changing world Nobhojit Roy (IN) NNGSA Jurre van Kesteren (NL) Håkon Bolkan (NO)	moderator: Håkon Bolkan Keynote speech: Decolonizing Global Surgery Nordic Network for Global Surgery & Anesthesia Global Surgery Amsterdam Closing remarks

Biographies Moderators



Bart Waalewijn (the Netherlands)

MD, MIH, Family Medicine physician in Bennekom, the Netherlands.

Bart has worked as tropical medicine and international health doctor in Sierra Leone with special focus on the CapaCare surgical training program (2013-2016). After a short period in Lesotho for a Swiss NGO he continued his family medicine training in the Netherlands. Nowadays he is in charge of a semi-rural practice located in the middle of the country. As a board member of CapaCare Netherlands and the Hospitainer Foundation he strongly supports healthcare initiatives abroad.



Josien Westendorp (the Netherlands)

MD, Phd-fellow NTNU, obstetrics & gynaecology resident UMC Utrecht.

After graduation as a MD global health and tropical medicine in 2011, Josien worked from 2012-2013 in Masanga Hospital in Sierra Leone. From 2014-2015 she worked in South Africa, Kwa Zulu Natal, in Manguzi Hospital where she could put more focus on obstetrics & gynaecology in an otherwise still very all-round job. She started her registrar ship in obstetrics and gynaecology in 2015 in the UMC Utrecht and is now approaching her final years. She is enjoying to instruct in the managing obstetric emergencies and trauma courses in the Netherlands. She is active in the board as chair for CapaCare NL. Since 2019 she is grateful to be a PhD student at the NTNU, focussing on clinical decision making for Caesarean Deliveries in Sierra Leone.



Juul Bakker (Liberia)

MD, MIH, Phd-fellow NTNU, CapaCare coordinator Liberia.

Juul Bakker is a medical doctor in Global Health and Tropical Medicine from the Netherlands. After graduating she has worked in India, Ethiopia and Chad. She first got involved with CapaCare as a trainer and doing research about the barriers to increasing surgical productivity in Sierra Leone for her master thesis in International Health from the Dutch Royal Tropical Institute. Since 2021 she is the program coordinator for CapaCare in Liberia and a PhD candidate at NTNU. Her PhD research focuses on the implementation of a program to increase surgical and obstetric training in Liberia.



Håkon Bolkan (Norway)

MD, Phd, General surgeon and Colorectal surgeon St. Olavs University Hospital Trondheim, Norway, Post-doc fellow NTNU.

Håkon is the chair of CapaCare International and one of the founders of the organization. He is a general and abdominal surgeon working at St. Olav's Hospital as a clinical lead for an emergency abdominal surgical unit. Håkon completed his PhD in 2017 and is currently a postdoctoral fellow at NTNU primarily researching surgical systems, task-sharing and innovations in surgical training for low-resource environments.

Biography Key-note speaker



Nobhojit Roy (India)
MBBS, MS, MPH, PhD.

Nobhojit Roy trained as a General and Trauma surgeon in Mumbai, India, and in the U.K. He holds an MPH from John Hopkins University and a PhD from the Karolinska Institutet, Stockholm, Sweden on surgical outcomes and health systems in resource-poor settings. He was Professor and Chief of surgery providing Universal Health Care to 100,000 people in suburban Mumbai. His department is the designated WHO Collaborating centre for research in Surgical care delivery in the LMICs (SEARO region). Moving out of the operation theatre, he has been the National Policy Advisor, Public Health Planning and Evidence for the Indian Ministry of Health & Family Welfare, the Director of Health Systems Strengthening at CARE-India for the fragile state of Bihar and currently Southeast Asia Health hub lead for Oxford Policy Management (UK). He was one of the Lancet commissioners for Global Surgery (2015) and for NCD and Injuries in the poorest billion (2020). He also serves on the Board of Trustees for Lifebox and other NGOs.

Biographies Speakers



Andy Leather (United Kingdom)
MBBS, FRCS, MS, Senior Lecturer at King's College London.

Andy Leather is a Senior Lecturer in Global Health and Surgery at King's College London, UK. He was a Consultant Surgeon at King's College Hospital from 1996-2015, holding various roles including Clinical Director for Surgery. He founded King's Global Health Partnerships that brings together the academic, health and international development communities from King's Health Partners. KGHP works alongside our international partners, to strengthen healthcare systems in Somaliland, Sierra Leone, Democratic Republic of Congo, and Zambia. He co-chaired the Lancet Commission on Global Surgery and his research interests are in strengthening surgical systems.



Maria Lise Odland (Norway)
Post-doctoral research fellow, Global Health, NTNU and Malawi-Liverpool Wellcome Trust.

Maria Lisa Odland is a medical doctor and global health researcher with a special interest in reproductive health and post-abortion care. She is also interested in other important global health topics such as global surgery, injury care, multimorbidity, cardiovascular disease risk factors, health system research and healthy ageing. Malawi is her main country of interest, but she has also done work in Rwanda, Ghana, Sierra Leone, Brazil, South Africa, Pakistan and Iran. She recently started as a post-doctoral researcher at NTNU after working as a research fellow at the University of Birmingham for nearly three years, and is currently based at the Malawi-Liverpool Wellcome Trust in Malawi.



Håvard Adde (Norway)

MD, PhD-fellow NTNU.

Håvard is a medical graduate from the Norwegian University of Science and Technology and a board member of CapaCare Norway. As a medical student he got engaged in CapaCare's activities as a volunteer, contributing to the collection of surgical data from Sierra Leone and participating in the work to develop an app-based logbook system for surgical providers. He is currently a PhD-student at NTNU, and his project focuses on mapping surgical activities and resources in Liberia. He stayed in Liberia between January and May 2021 to engage local health authorities, and CapaCare is now partnering with stakeholders to strengthen surgical training in Liberia.



Alphonsus Matovu (Uganda)

MD, MMED, PhD student Karolinska Institutet.

Alphonsus Matovu is a Senior Consultant Surgeon, Head of Department at Mubende Regional Referral Hospital, Uganda. He had medical training at Mbarara University of Science and Technology and Makerere University in Uganda. Since 2001, he has been involved in clinical care at Kamuli Mission Hospital and Mubende Regional Referral Hospital in Uganda. He has been part of research on surgical capacity and access in the Low Income Countries. He has also been involved in research on Inguinal hernias in Uganda. Currently, he is PhD student at Karolinska Institutet(Sweden) focusing on groin hernias in women, the volumes, methods and cost effectiveness in Low Income settings.



Jurre van Kesteren (the Netherlands)

MD, Surgical resident, PhD-student.

Jurre holds a bachelor degree in Bio-Medical Science from the University of Amsterdam and is a Medicine alumnus of Leiden University, The Netherlands. After obtaining his MD degree he specialized in Global Health and Tropical Medicine at the Dutch Royal Tropical Institute. From 2014 – 2016 he was deployed by the NGO Masanga Denmark as the medical officer in charge at Masanga Hospital, Sierra Leone. Here he provided hands on clinical work, supported the hospital management group, worked with the task-sharing surgical training program (CapaCare) and lead the Masanga Ebola response during the 2014-2016 West African outbreak. Currently he is a final year resident general surgery at Amsterdam UMC. His global surgery initiatives lead to a board position within the Netherlands Society of International Surgery and directing the surgical division of Global Surgery Amsterdam. Furthermore, he is a PhD student on innovation and surgical training in low resource settings.



Jonathan Vas Nunes (the Netherlands)

MD, Surgical resident, PhD-student

After graduation as a MD global health and tropical medicine, Jonathan Vas Nunes worked for 3 years as a medical doctor in DR Congo and Sierra Leone. He is currently in training to become a surgeon at the Amsterdam University Medical Center and secretary of the Netherlands Society for International Surgery (NSIS). He is a PhD-student on 'Wound Care in Sierra Leone'.



Marcus Rijken (the Netherlands)

MD, PhD, obstetrician, gynae-oncologist AVL/Dutch Cancer Institute, assistant professor global health Julius Centre/University Medical Centre Utrecht.

Marcus worked 6 years as tropical doctor and research fellow with the Oxford-Mahidol Research Unit in the refugee camps on the Thai-Burmese border, where he focused on obstetric care and ultrasound. As assistant professor he is happily supporting local doctors from low and middle income countries to conduct research to improve the quality of care in their own setting, with a focus on equity. He was part of the WHO Intrapartum Care Algorithms Working Group, and instructor for several obstetric emergency training courses. Recently he graduated as a gynae-oncologist. He is board member of the Dutch working group of International Safe Motherhood and Reproductive health



Monica Lauridsen Kujabi (Denmark)

MD, PhD candidate at University of Copenhagen, Department of Public Health, Global Health section.

Monica's research is part of the PartoMa implementation study, where intrapartum guidelines and low-dose, high frequency training is co-created with front-line health workers at five of the biggest and busiest maternity departments in Dar es Salaam, Tanzania. Her research interest is in the gap between universal guidelines and the clinical realities in low resource settings. She was coordinator of Masanga Outreach from 2015 – 2019 where she implemented a maternal and child community health project in rural Sierra Leone and she has worked as a doctor in Edna Adan Maternity Hospital in Somaliland.



Alex van Duinen (Norway)

MD, MIH, PhD, Surgical resident St. Olavs University Hospital Trondheim.

Alex has 3.5 years of experience in Sierra Leone with both clinical work, research and training. His research work is mainly focussed on access to surgical services in both Sierra Leone and Liberia. He is now working as surgical resident in the St. Olavs hospital and is also active in the CapaCare board, both in Norway and in Sierra Leone.



Richard Torp (Norway)

Medical student NTNU.

Richard is a 5th year medical student, currently writing his thesis with Capacare. This spring he has been part of a 5-year follow-up of a cohort of women with a previous c-section in Sierra Leone. The study is investigating their consecutive pregnancies and is still ongoing.



Erika Logstein (Norway)

Medical student NTNU.

Erika is a Norwegian Medical student at NTNU in her 5th year. As a student interested in global health, she got involved in the 5-year follow-up after caesarean section for her thesis. Writing together with Capacare and Richard.



Guro Stamland (Norway)

Medical student NTNU.

Guro is a 5th year medical student at NTNU. This semester she is writing her 5th year thesis in collaboration with CapaCare. She spent 10 weeks in Sierra Leone this spring collecting data for an obstetrical mapping.



Sigrid-Anne Bjorøy (Norway)

Medical student NTNU.

Sigrid-Anne is a 5th year medical student at NTNU. She has been a volunteer in MedHum, Medical students' humanitarian campaign (Norway), from 2017-2020, and the last two years as leader for MedHum Trondheim. MedHum had a collaboration with Save the children from 2018-2020, working on a project to prevent teenage pregnancy in Malawi. She had the opportunity to visit the project in Malawi in 2019. This semester she is writing her 5th year thesis in collaboration with CapaCare. She spent 10 weeks in Sierra Leone this spring collecting data for an obstetrical mapping.



Tore Laerdal (Norway)

Executive Chairman of Laerdal Medical and executive director of the Laerdal Foundation, providing financial support to practically oriented research within acute medicine.

In the last ten years, Mr Laerdal has turned his full focus to global health challenges, and established Laerdal Global Health, a not for profit company with the sole purpose of providing highly affordable and culturally sensitive training and therapeutic solutions to help reduce maternal and newborn mortality in low resource settings. For this purpose, the company has partnered with USAID, Save the Children, the American Academy of Pediatrics, Jhpiego, BMGF, UNFPA, ICM and others.

Mr Laerdal holds a MSc from the Norwegian Business School. He is an honorary member of the American Academy of Pediatrics and the UK Royal College of Anaesthetists, and is a 2016 Oslo Business for Peace Honoree.



Thomas Ashley (Sierra Leone)

MD, member West African College of Surgeons, Board chair CapaCare Sierra Leone.

Thomas is born in the east end of Sierra Leone and is the first medical doctor enrolled in the CapaCare Surgical Training Programme. He is currently member of the West African College of Surgeons and Senior Registrar in the department of surgery University of Sierra Leone Teaching Hospital Connaught Hospital, Freetown. Thomas is leading a research project on hernia mesh repairs in rural Sierra Leone.



Tairu Fofanah (Sierra Leone)

HD, BSc Hons, MPH (candidate), Surgical Assistant Community Health Officer.

Tairu qualified as a Community Health Officer (CHO), from the School of Community Health and Clinical Sciences, Njala University, Bo Campus in 2013. He worked at masanga hospital from 2013 to 2016, until he started in CapaCare's surgical training programme (STP) on April 4th 2016. He graduated in October 2018, where he was the valedictorian. In 2021, he become the president of the association of surgical assistant community health officers.



Grethe Heitman (Norway)

MD, Grethe Heitmann is anesthesiologist with SSAI in obstetric anesthesia. She works at one of the largest hospitals in Norway, Østfold Hospital Trust.

As a part of her training in obstetric anesthesia, she visited hospitals in Malawi and Brazil in order to understand why, and even more importantly, how to help the 300 000 women who die yearly during childbirth. As a result of this she founded ExAC in 2019. ExAC aims to equip healthcare workers to handle large bleedings after delivery (postpartum hemorrhage). With financial support from Innovation Norway, Norad and the Research council of Norway ExAC has developed a digital educational program, a simulation doll for training on uterine massage and external aortic compression as well a medical equipment that allows transportation of the patient with PPH while performing external aortic compression. See exac.no



Olof Bladin (Sweden)

MD, PhD-student

Dr Olof Bladin is currently carrying out his general internship. Dr Bladin was first introduced to global surgery when he wrote his master thesis on groin hernia repair in women during his final year of medical school in 2019. The PhD projects focus on surgical training and the learning curve of open groin hernia repair. The first study will assess the learning curve of open anterior mesh repair for groin hernia, using a cohort of surgical residents from the Swedish Hernia Register. The following studies will focus on open surgical simulation of groin hernia repair, using a 3D-printed hernia model. Two studies in sub-Saharan Africa, one in Uganda and one in Sierra Leone will be conducted in order to assess whether open surgical simulation prior to hands on surgery affects the learning curve of a surgical procedure. The need for surgical services is substantial in low- and middle-income countries and the ability to meet the needs are constrained by scarcity in human resource. By approaching surgical learning with surgical simulation, the project seeks to improve surgical learning and combat the shortage of human resource and thus improve accessibility of surgical services worldwide.