



2ND INTERNATIONAL CONFERENCE IN INNOVATIONS IN GLOBAL SURGERY – MOMBASA, KENYA
24-25 April 2023

THEME - TRANSLATING INNOVATIONS IN EAST AFRICA

Aim: to promote interdisciplinary collaboration in Innovations in Global Surgery and promote safe access to surgical, obstetric, trauma and anaesthesia (SOTA) care in rural settings of East Africa

Objectives:

- Clarify concepts of Innovations in global surgery
- Underline the contextual relevance of surgical innovations to the unmet need
- Increase specialised SAO workforce and training in procedures which improve quality and reduce impoverishment
- Map pathways on implementation and adoption of surgical technologies through interdisciplinary collaborations
- Engage regional and international training organisations
- Establish South-South collaboration
- Strategies for communicating innovation
- Importance of biomedical engineering
- Frugal, Sustainable and green surgery
- Evaluation and implementation of technologies on the health system level
- Ethics on patient acceptability and higher-level political advocacy



TIMETABLE								
SESSION DETAILS								
Session No	Time	Session theme	Session detail	Methodology	Detail	Point person	Presenter	Session requirements
DAY 1 – KEYNOTE TALKS & WORKSHOPS								
Session 1	08:00-09:30	Surgical Simulation and training	Training rural surgeons	Presentations	15 minutes talk followed by panel discussions	Noel Aruparayil	Pankaj Jani & Daniel Ojuka	
			Innovations in Surgery				Peter Culmer/Jenny Dankelman	
			Flexible Endoscopy				Adrian Park Ramadhan Omari	
			WALANT				Donald Lalonde Eliud Aluvalla	
			VR/Urology				Jag Dhanda/Jesudian Gnanaraj	
RCSEd Diamond Sponsor session 15 minutes								
RCSI Gold Sponsor session 10 minutes								
09:30-10:00 COFFEE BREAK								
Session 2 10:00-12:30 Workshop AM			Innovation in global Surgery	Didactic lectures, laparoscopic/endoscopic simulation – box trainers	White sands	Jenny Dankelman, Peter Culmer, Gagan Bhogal	Jenny Dankelman, Peter Culmer, June Mwadete, Doris Mbithi, Tim Horeman Elijah Mwaura Abdi Mohamed Lance Mayabi	
			Urology/VR	Simulation	White sands	Jag Dhanda, Jesudian Gnanaraj Nilkanth Jani	Jag Dandha, J Gnanaraj P.Odula, Moses Obimbo S. Aruyaru M. Magoha Elias Muriuki, Francis Owillah	



		WALANT	Didactic lectures	White Sands	Pankaj Jani, Donald Lalonde Jay Yajnik	Donald Lalonde, Nikolas Jagodzinski, Amir Ahmad, Greg Kolovich Eliud Aluvaala Asif Admani	
		Flexible Endoscopy	Simulation training	White sands	Adrian Park Hamza Khawaja	Adrian Park, Lee Swanstrom, Ray Price, Ramadhan Omari Michael Mwachiro, Helen Chamberlain	
	12:30-13:30		Lunch break				
Session 3 13:30 – 16:30 Workshop PM		Innovation in global surgery	Didactic lectures, laparoscopic simulation – box trainers	White sands	Jenny Dankelman, Peter Culmer, Gagan Bhogal	Jenny Dankelman, Peter Culmer, June Mwadete, Doris Mbithi, Tim Horeman Elijah Mwaura Abdi Mohamed Lance Mayabi	
		Urology/VR	Simulation	White sands	Jag Dhandha, Jesudian Gnanaraj Nilkanth Jani	Jag Dandha, J Gnanaraj P.Odula, Moses Obimbo S. Aruyaru M. Magoha Elias Muriuki, Francis Owillah	
		WALANT	Didactic lectures	White sands	Pankaj Jani, Donald Lalonde, Jay Yajnik	Donald Lalonde, Nikolas Jagodzinski, Amir Ahmad, Greg Kolovich Eliud Aluvaala Asif Admani	
		Flexible Endoscopy	Live training	Coast provincial	Adrian Park Hamza Khawaja	Adrian Park, Lee Swanstrom, Ray Price, Ramadhan Omari	



						Michael Mwachiro, Helen Chamberlain	
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DAY 2 – SCIENTIFIC PROGRAMME								
Session No	Time	Session theme	Session detail	Methodology	Detail	Chair	Panellist	Session requirements
08:00 – 08:30 KEYNOTE – HOW DO WE RESPONSIBLY INNOVATE IN LMIC? Professor Ray Price (20 min talk + 10 min Qs)								
Session 4	08:30 - 09:30	Essential components of Surgical Innovations in LMIC	Understanding the context Identifying the need & needs identified so far Implementing frugal & sustainable principles in innovations Evaluating the innovation	Panel discussions	SOTA experts/Global Surgery leaders/Innovators/Engineers	PROF ANURAG MISHRA & DR DEEPA VEETIL	Adrian Park, Lee Swanstrom, Jenny Dankelman, J Gnanaraj, Biju Islay, Amir Ahmad, Elijah Mwaura	
09:30-10:00 COFFEE BREAK								
10:00-10:30 KEYNOTE – ROLE OF TECHNOLOGY TO INCREASE SPECIALIST WORKFORCE IN AFRICA ? PROFESSOR PANKAJ JANI (20 min talk + 10 min Qs)								
Session 5	10:30-11:30	Prioritising training to increase specialist workforce (SAO)	Forming an interdisciplinary collaborative Role of student/trainee How to communicate the innovation Introducing innovation in the training curriculum/Training in Innovation	Panel discussion	Medical/Engineering Students & Trainees & Colleges	DR ALLIANCE NIYUKURI & PROF JAG DHANDA	Donald Lalonde, Nikolas Jagodzinski, Doris Mbithi, Ines Peric, Gill Mitchell, Bart Kruijsen, Jonathan Fenn	
11:30-12:00 SPONSOR TALKS (5 minutes each)								
12:30- 13:30 LUNCH BREAK								
Parallel Session 6	13::30 - 14:45	Hackathon – Unmet clinical SOTA need in Eastern Africa		Interactive round table team activity		WILL BOLTON, PRIYANSH NATHANI & GASOC TEAM	Helen Please, Johnny Odu, Nadhirah Kahar, Soham	



							B, Vijna Boodhoo	
14:45-15:00 COFFE BREAK								
15:00-15:30 PROFESSOR SALOME MASWIME – SURGICAL TECHNOLOGY & HEALTH SYSTEMS IN AFRICA (20 min talk + 10 min Qs)								
Session 7	15:30 – 16:30	Health system, policy, advocacy	Identifying and strengthening innovations Ways to upscaling & quality control Ethics and advocacy	Panel discussion	Experts in Health system and policy in global surgery	LOVENISH BAINS & NOEL ARUPARAYIL	Paul Odula, Asif Admani, Daniel Ojuka, Ray Price, Stanley Aruyaru, Michael Mwachiro	
Session 8	16:30-17:30	Commercialisation Finance management, supply chain, business model for surgical care in LMIC	Adoption and implementation of technology Device maintenance IP and commercialisation		Engineers, Industry partners, funders and HTA	PETER CULMER & JENNY DANKELMAN	June Mwadete, Greg Kolovich, Tim Horeman, Sundeep Singh, Manish Chauhan, Vinesh Vaghela, Karen Cham	
SUMMARY – PROFESSOR JANI HANDOVER ICIGS 2024 CLOSE								