



The College of Surgeons of East, Central and Southern Africa (COSECSA)

# 19<sup>th</sup> AGM & International Scientific Conference

5<sup>th</sup> - 7<sup>th</sup> December 2018 | Kigali, Rwanda



## Agenda

### Surgical Infections and Safety; Global Surgical, National Surgical, Anesthesia and Obstetrics Plan

<b>Day one</b> <b>Wednesday, 5 December 2018</b> Venue: The Auditorium	
8:00 – 9:30	<b>COSECSA AGM</b>
10:00 – 12:00	<p style="text-align: center;"><b>GRADUATION CEREMONY</b>                      MC: Grace Kansayisa</p> <p>09:45 All delegates to be seated                      10:00 Arrival of Guest of Honour                      10:05 Rwanda's National Anthem                      10:10 Welcoming Address by the RSS President                      10:20 Presidential address by the COSECSA President                      10:30 Words of Good Will (2 minutes each):</p> <ul style="list-style-type: none"> <li>• President of the Royal College of Surgeons of Ireland (RCSI)</li> <li>• Vice president of the Royal College of Surgeons of Edinburgh (RCSed)</li> <li>• President of the West African College of Surgeons (WACS)</li> <li>• President of the American College of Surgeons (ACS)</li> <li>• President of the College of Medicine of South Africa (CMSA)</li> <li>• President of the Canadian Association of General Surgeons (CAGS)</li> <li>• H.E Ambassador of the Republic of Ireland</li> </ul> <p>10:55 Speech of The Guest of Honour                      11:10 Preparation for procession/Music interlude  <b>11:15 Graduation Ceremony:</b></p> <ul style="list-style-type: none"> <li>• Procession of Officers, Executives, Council Members and Court of Examiners with MACE of the college</li> <li>• Procession of Honorary Fellows, Fellows by Election and Fellows by Examination</li> <li>• Granting of Honorary fellowships</li> <li>• Granting of Fellowship by election</li> <li>• Music Interlude</li> <li>• Fellowship Pledge</li> <li>• Granting of Fellowship by Examination</li> <li>• Recognition of best examination results</li> <li>• Presentation of the Gerrard O'Sullivan award</li> <li>• Recognition of ACS fellows by examination</li> <li>• Photo session</li> </ul>
12:00 – 13:00	<b>LUNCH</b>

12:00 – 13:00	<b>International Federation of Surgical Colleges (IESC) AGM</b> Venue: Kigali Convention Center <b>Room AD1</b>	
<b>Session 1: Conference Opening Ceremony</b> MC: Fidele Byiringiro		
13:00 – 13:05	Welcome Remarks	Martin Nyundo, RSS President
13:05 – 13:20	Official Opening	Honorable Minister of Health Dr. Diane Gashumba
13:20 – 14:00	Rahma Dawood Travelling Fellow	Prof. Johan Fagan
<b>Session: 2 - COSECSA Collaborations with International Organizations</b> (Sponsored by ASAP + RSS) Moderator: Kathleen Casey		
14:00 – 15:00	Introduction	Kathleen Casey ASAP President
	1. International Society of Surgery*	Andrew Hill President ISS
	2. World Federation of Societies of Anaesthesiologists*	Jannicke Mellin-Olsen President, WFSA
	3. Global Alliance for Surgery, Obstetrics, Trauma, and anesthesia*	Robert Lane Board of Directors
	4. Association of Women Surgeons*	Celeste Hollands Immediate Past President
	Roundtable Discussion on future priorities for collaboration of COSECSA with International Organizations * 5 minutes presentations on their organization's commitments to Global Surgery	Co-moderators <ul style="list-style-type: none"> <li>• Pankaj Jani, President, COSECSA</li> <li>• Godfrey Muguti President-elect, COSECSA</li> </ul>
Q/A	ASAP, RSS, ISS, GEF, WFSA, COSECSA	
15:00 – 15:20	<b>Coffee Break</b>	
<b>Session 3 - Minimally Invasive Surgery</b> Moderators : Wayne Huang & Kayondo King		
15:20 – 17:20	Keynote address: Minimally invasive image-guided surgery: Towards augmented surgery	Prof. Jacques Marescaux, Founder IRCAD, France
	Laparoscopic approach and emergency situations	Didier Mutter (FR)
	The lesson learned in 20 years of upper GI surgery	Bernard Dallemagne (BE)
	Emerging and converging minimal access technologies in paediatric surgery	François Bermeur (FR)
	Surgical metamorphosis: Welcome to the future of digestive surgery : Percutaneous and flexible surgery	Silvana Perretta (IT)
	Minimally invasive neurosurgery : State of the art and future directions	Sébastien Froelich (FR)
	Q&A	
19:00	<b>Official Dinner - Venue: Serena Hotel</b>	

**Day Two**  
**Thursday, December 6th, 2018**  
 A. Surgical Infections and Safety  
 B. Anaesthesia

7:30 – 8:00	Registration	
<b>ROOM AD 12 : Surgical Infections</b> MC: Christophe Mpirimbanyi		
<b>Session 4: Panel on Expanding Surgical Education in Africa</b> Sponsored by RCSI Institute of Global Surgery Moderator: Alex Butera & Godfrey Muguti		
8:00 – 9:00	Surgical Education in Africa: Past, Present and the future	Abebe Bekele (COSECSA)
	Retention of graduates in the COSECSA region: Is it doable?	Eric O' Flynn (RCSI)
	Non-specialist surgical training, current status and way forward	Jakub Galewski (RCSI)
	Fate of minimal access surgery in African surgical trainings.	Jean Jacques Houben (ULB)
	Q & A	
9:00 – 9:15	20 years of COSECSA existence: How it started, challenges, achievements and way forward	Ignatius Kakande
<b>Session 5:</b> Moderators : Jennifer Rickard & Agneta Odera		
9:20 – 9:27	Predictors of infection in open tibia shaft fractures managed at national referral hospitals in Rwanda	Lambert Dusingizimana
9:27 – 9:34	Antibacterial susceptibility patterns of surgical site infections in Moi Teaching and Referral Hospital, Eldoret Kenya	Steven Okello
9:34 – 9:41	Intra-abdominal infections at a Rwanda referral hospital in patients undergoing emergency laparotomy	Isaie Sibomana
9:41 – 9:48	Effect of short versus long antibiotic course in preventing post transurethral resection of prostate infections at a Northern Tanzania hospital	Jaspel Orgeness
9:48 – 9:55	Post-operative infection rate following spine surgery. A retrospective review of spine surgery outcome database	Steve Nshuti
9:55 – 10:10	Q&A	
10:10 – 10:40	<b>Coffee Break – Visit the Exhibits</b>	

<b>Session 6:</b> Moderators: Diomede Ntsumbumuyange & Carlos Valera		
10:40 – 10:47	Improving post caesarean follow-up in the community: Developing and validating a screening protocol to support community health worker diagnosis of surgical site infections in rural Rwanda	Robert Riviello
10:47 – 10:54	Emerging threat to progress in maternal mortality reduction: Antimicrobial resistance (AMR) trends among obstetric patients and post-caesarean peritonitis in Rwanda	Kenneth Ruzindana
10:54 – 11:01	Obstetric admissions in intensive care unit of tertiary hospitals in Rwanda: Prevalence and outcome	Alcade Rudakemwa
11:01 – 11:08	The gap between International guidelines and antibiotic prescription for caesarean patients at a rural hospital in Eastern Rwanda	Frederic Kateera
11:08 – 11:15	Rapid increase in adherence to perioperative infection prevention practices using a quality improvement program in Ethiopia	Jared Forrester
11:15 – 11:22	A qualitative analysis modeling the standard pathway to care for women after cesarean section to a rural district hospital in Rwanda	Lynn Brittany
11:22 – 11:30	Q&A	
<b>Session 7:</b> Moderators: Ainhoa Costas Chavarri & Hanna Gatche		
11:30 – 11:37	WHO resources for emergency and trauma care	Teri Reynolds, WHO
11:37 – 11:44	The profile of intracranial pyogenic infections at Central University Teaching Hospital of Kigali (CHUK)	Eric Shingiro
11:44 – 11:51	Emphysematous pyelonephritis	Edouard Ngendahayo
11:51 – 11:58	Quality of surgical care in the Lake Zone of Tanzania: A quasi- experimental baseline assessment	Shehnaz Alidina
11:58 – 12:05	Microbiology and antimicrobial resistance of patients admitted to four intensive care units in Rwanda	Jean Paul Mvukiyehe
12:05 – 12:12	Utilizing the SMART advocacy approach to unlock safe surgery resource and policy implementation barriers at the sub-national level in Kenya	Angeline Mutunga
12:12 – 12:20	Q&A	
<b>Session 8: Panel on “Surgical Infections in COSECSA Region”</b> Moderators: Georges Ntakiyiruta & Miliard Derbew		
12:20 – 1:00	<ol style="list-style-type: none"> <li>1. Nyengo C. Mkandawire (Malawi)</li> <li>2. Mambo Claude Muvunyi (Rwanda)</li> <li>3. Thomas Weiser (USA)</li> <li>4 Nthumba Peter (Kenya)</li> </ol>	
13:00 – 14:00	<b>LUNCH</b>	

<b>Session 9:</b>		
Moderators: Emmanuel Bukara & Joel Kiryabwire		
14:00 – 14:10	ETIC : Early Trauma Induced Coagulopathy	Jana Macleod
14:10 – 14:16	Life box Clean Cut program : A qualitative analysis of barriers and strategies for successful implementation	Nichole Starr
14:16 – 14:22	Post infectious hydrocephalus	Paulin Munyemana
14:22 – 14:28	Preoperative antibiotic use and occurrence of surgical site infection in trauma and orthopaedic surgery at the University Teaching Hospital of Kigali	Olivier Kubwimana
14:28 – 14:34	The management of chronic osteomyelitis by modified Lautenbach technique over five years follow up of case series in Rwanda	Alex Butera
14:34 – 14:40	Radiation safety knowledge, attitudes and practices amongst orthopaedic residents	Maina Wamutitu
14:40 – 14:46	Videolaryngoscopy in low resource regions: Barriers, requirements, and context specific design	Julie Charlotte Fleischer
14:46 – 15:00	Q&A	
15:00 – 15:20	<b>Coffee Break – Visit the Exhibits</b>	
<b>Session 10</b>		
Moderators: Samwel Nungu & Gisele J. Bunogerane		
15:20 – 15:27	Indications for non-trauma emergency laparotomy : A comparison of South Africa, Rwanda, and the United States	Jennifer Rickard
15:27 – 15:34	Prevalence of complicated appendicitis at Kigali University Teaching Hospital : A one year retrospective study	Jeremie Singuranayo
15:34 – 15:41	Challenges in safe surgery in LIC in Malawi	Aubrey Philemony
15:41 – 15:48	Timing of emergency general surgery in a major referral hospital in Rwanda : A retrospective study	Eugene Tuyishime
15:48 – 15:55	ABS embraces the women of sub- Saharan Africa. Skills transfer initiative for the COSECSA region	Munyaradzi Samson Magara
15:55 – 16:02	HIV prevalence in patients undergoing upper gastrointestinal endoscopy at a tertiary referral hospital in Malawi	Gift Mulima
16:02 – 16:20	Q&A	

## Session 11: Panel on Surgery and antibiotic resistance

Moderators: Robert Riviello & Faustin Ntirenganya

16:20 – 17:00	Antimicrobial stewardship programs in surgical practices	Magnus Grabe
	Use of the delphi method to determine the most important questions in source control for intra-abdominal infections across the globe	Rober Sawyer World Surgical Infections Society
	Overview of the WHO Global SSI prevention guidelines	Kemal Rasa World Surgical Infections Society
	WHO SSI presentation implementation tools	Claire Kilpatrick WHO
	Antibiotic stewardship and anticipated impact on resistance in the surgical healthcare setting	Jana MacCleod World Surgical Infections Society
	Q&A	

## ROOM AD10 : Anaesthesia

MC: Marie Grace Mutuyimana & Jackson Kwizera Ndekezi

## Session 12:

Moderators: Theogene Twagirumugabe & Morris Wayne

8:00 – 8:15	Opening Remarks	Paulin R Banguti, RSA Chair
8:15 – 8:30	The role of WFSA in Anesthesiologists' Societies of LMICs	Jannicke Olsen, WFSA President
8:30 – 8:55	Advances in Global Patient Safety	Kelly McQueen

## Session 13: Improving Surgical Outcomes

Moderators: Rosemary Mukunzi & Jannicke Olsen

9:00 – 9:20	Improving Surgical Outcomes in LMICs: The role of Standardization and ERAS	Ravi Oodit Kelly McQueen
9:20 – 9:30	Implementation of Pain Services in tertiary Hospitals?	Adeyemi Olufolabi
9:30 – 9:40	Child Health: Toward a Safe Anesthesia in LICs	Francoise Nzeyimana
9:40 – 9:55	Mentorship model for MNCH Care in LIC countries: the experience of TSAM	Anaclet Ngabonzima, Paulin Banguti
9:55 – 10:05	Quality Care in Anesthesia: Where do we stand now?	Vatshalan Santhripala
10:05 – 10:15	Q&A	
10:15 – 10:30	<b>Coffee Break</b>	

## Session 14: Education in Perioperative Medicine

Moderator : Tobi O. Kingsley & Jeanne Uwambazimana

10:30 – 11:00	Education in Pain management in LMICs: Experience of Rwanda and Mozambique	Gaston Nyirigira Emilia Pinto Wayne Morris
11:00 – 11:10	Q&A	
11:10 – 11:40	Training NPAs: Which is the best model?	Fred Bulamba Wayne Morris Michael Lipnick Emmanuel Rusatst

11:40 – 11:50	Q&A	
11:50 – 12:10	Training of anaesthesiologists: experience from across the world	Wayne Morris Megan Olejniczak Adeyemi Olufolabi
12:10 – 12:20	Q&A	
<b>Session 15: CMEs for Anesthesia providers: The role of Short Courses</b> Moderators : Adeyemi Olufolabi & Christian Mukwesi		
12:20 – 12:30	SAFE OR course - Training multidisciplinary teams	Sarah Mills
12:30 – 12:40	Safety and feasibility of a ketamine package to support emergency and essential surgery in Kenya when no anesthetist is available. An analysis of 1216 consecutive operative procedures	Taha Shabberali Yusufali
12:40 – 12:50	Evaluation of the Inaugural ATLS Course at Moi Teaching and Referral Hospital	Kyle Carpenter
12:50 – 13:00	Q&A	
13:00 – 14:00	<b>LUNCH</b>	
<b>Session 16: Critical Care Medicine</b> Moderators : Olivier Umuhire & Bhiken Ishwarlal Naik		
14:00 – 15:15	Panel on Critical Care Medicine in LMICs: Challenges and opportunities	Theogene Twag Sudha Jayaraman Kwame A. Boateng Kingsley U. Tobi Alain Irakoze G. Kirenga
15:15 – 15:30	Q&A	
15:30 – 15:45	<b>BREAK</b>	
<b>Session 17: Free Presentations</b> Moderators: Egide Buregeya & Sudha Jayaraman		
15:45 – 17:15	Improving Safety in Surgery through Anesthesia	Eugene Zoumenou
	The role of adjuvants in management of Sepsis in ICU: Vitamin C	Denny Hopkinson
	Anti-Microbial Drug Resistance in Rwandan ICUs	Jean Paul Mvukiyehe
	Postoperative Infections in LICs	Anne Mbiya
	ICU sepsis: the experience of Ethiopia	Rediet Shimeles
	ARDS following biphasic anaphylactic reaction to Morphine: A case report and review of the literature	Kingsley O. Tobi
	Bone Cement Implantation Syndrome	Gerald Kirenga Alain Irakoze
	Practice of anesthesia in resource-poor settings of the Eastern Democratic Republic of Congo.	Joel Ketha
17:15 – 17:30	Q&A	



19:00 – 21:00	<b>Visit to the Genocide Memorial</b>	
<b>Day Three</b> <b>Friday, 7 December, 2018</b> National Surgery, Obstetrics And Anaesthesia Plan, Global Surgery And Clinical Sessions		
7:30 – 8:00	Registration	
<b>ROOM AD 12 : National Surgical, Obstetrics and Anaesthesia Plan</b> MC: Françoise Mukagaju		
8:00 – 8:10	Welcome	MC
8:10 – 8:30	Opening Remarks	Guest of Honor/MOH
<b>Session 18: New Country NSOAP Updates</b> Moderators: Abebe Bekele & Emile Rwamasirabo		
8:30 -8:50	Developing a National Surgical, Obstetric, and Anaesthesia Plan (NSOAP) for Burundi – project initiation phase	Gabriel Ndayisaba
8:50 -9:10	Moving towards surgical equity in Pakistan	Muhammad Naheel Ashraf
9:10 – 9:45	Q&A	
9:45 – 10:20	<b>Coffee Break – Visit the Exhibits</b>	
<b>Session 19 : Implementation Updates</b> Moderators: Charles Adisa & Emmy Agabe Nkusi		
10:30-10:55	Ethiopia	Abebe Bekele
10:55 -11:20	Rwanda	Emile Rwamasirabo
11:20 -11:50	Q&A	
<b>Session 20: NSOAP Focused Oral Presentations</b> Moderators: Edmond Ntaganda & Kathleen Casey		
11:50 – 11:55	A mixed-methods assessment of surgical capacity in the Lake Victoria Zone of Tanzania	Gopal Menon
11:55 – 12:00	Establishing a national surgical information system in Zambia – the SURG-Africa project	Mweene Cheelo
12:00 – 12:05	Developing sustainable prehospital trauma care in Rwanda – a collaboration between SAMU, Ministry of Rwanda and Virginia Commonwealth University	Ignace Kabagema Jean Marie Uwitonze
12:05 – 12:10	Developing the monitoring and evaluation pillar of Ethiopia's national surgical plan: saving lives through safe surgery	Laura Drown
12:10 – 12:15	Financial risk protection in cesarean section patients at a rural district hospital in Rwanda	Rachel Koch
12:15 – 12:25	Q&A	
<b>Session 21: NSOAP Oral Presentations 2</b> Moderators: Anthony Charles & Alice Niragire		
12:25 – 12:31	Building a participatory framework for ethics in global surgery – an interactive session	Abdullah Saleh
12:31 – 12:37	Global surgery approaches : Strategy for expanding scope of short-term medical service trips to local providers	Hal Fletcher Starnes



12:37 – 12:43	Multi-stakeholder partnership to improve surgical services in rural areas: a qualitative study of Safe Surgery 2020 in Ethiopia	Waruguru Wanjau
12:43 – 12:49	Reasons for unnecessary surgical referrals in Malawi, Tanzania and Zambia	Juma Adinna
12:50 – 13:00	Q&A	
13:00 – 14:00	<b>LUNCH</b>	
<b>Session 22: Rwanda Highlight Session</b> Moderators : Joseph Lule & Robert Riviello		
14:00 – 14:45	Alignment of the NSAOP to the National Socio-Economic Transformation Agenda	Parfait Uwariraye Director General, Planning & Health, Financing and Information System, MoH
	Surgical Supplies to Meet the Increased Volume of the National Surgical, Anesthesia and Obstetrics Plan (NSAOP)	Christophe Mpirimbanyi et al.
	In depth assessment of catastrophic expenditure and impoverishment expenditure	Emmanuel Muhawenimana Pascal Birindabagabo
	How do we meet the SAOs targets for 2024?	Françoise Mukagaju et al.
14:45 – 15:00	Q&A	
15:00 – 15:20	Global Surgery/PIH	Paul Farmer
15:20 – 15:30	Global Surgery – The African Point of View	Prem Yohannan
15:30 – 15:50	<b>Coffee Break, Networking and Visit the Exhibits</b>	
<b>Session 23: Global Surgery</b> Moderators : Sudha Jayaraman & Albert Nzayisenga		
15:50 – 15:56	Developing surgical services for children in East Africa – project update	David Robert Cunningham
16:02 – 16:08	Prehospital epidemiology, management and outcomes of injured children in Kigali, Rwanda	Vizir Nsengimana
16:08 – 16:14	Whatsapp Group Forum (WGF) improves rural population access to specialist surgical care in Malawi – Prospective observational study	Gerald Dalitso Mwapasa
16:14 – 16:20	Implementing prospective cohort studies in rural Africa: Barriers to return after discharge among women undergoing cesarean section in Rwanda	Theoneste Nkurunziza
16:20 – 16:26	Assessment Of Knowledge And Awareness Among Non-Medical Transporters On Care Of Injury Patients During Transfer To Hospital Facility In Dar Es Salaam	Hamisi Shabani
16:26 – 16:32	Water, Sanitation and Hygiene conditions following cesarean delivery in rural Rwanda	Casta Habiyakare
16:32 – 16:42	Q&A	

<b>Session 24: Global Surgery</b> Moderators : Ruhungande Landouard & Venerand Barendegere		
16:42 – 16:48	Establishing an academic global surgery program : Novel training for the American general surgery resident	Rachel Davis
16:48 – 16:54	Engineering for global minimally invasive surgery	Dankelman Jenny
16:54 – 17:00	Strengthening surgical quality data collection and reporting in Tanzania's lake zone: A mixed methods assessment	William Washington
17:00 – 17:06	Validating the global surgery accessibility indicator: comparing geographical modelling to patient reported travel times to a rural district hospital in Eastern Rwanda	Magdalena Gruendl
17:06 – 17:20	Q&A	
17:20 – 17:30	Closing remarks + awards	
<b>ROOM AD10 : Global Surgery &amp; Clinical Sessions</b> MC: Miguel Gasakure		
<b>Session 25: Clinical surgery 1</b> Moderators: Florence Umurangwa & Laston Chikoya		
8:00 – 8:06	A study of pulse pressure – erectile dysfunction	Kasonde Bowa
8:06 – 8:12	Management of urolithiasis Hawassapyeloithotomyhydronephrosis renal failure endoscopy	Getaneh Tesfaye Teferi
8:12 – 8:18	Surgical outcomes of living kidney donors at a nascent transplant center in a Sub-Saharan African country	Engida Abebe
8:18 – 8:24	Clinico-morphological pattern of musculoskeletal tumors seen at MOI, from January 2013 to December 2014	Salome John Mduma
8:24 – 8:30	Management of Traumatic Brain Injuries in the prehospital setting in Kigali, Rwanda	Alphonsine Uwamahoro
8:30 – 8:36	Clinical frailty scale as a predictor of surgical outcomes among adult patients at St. Francis Hospital, Nsambya	Josephine Namugenyi
8:35 – 8:44	Q&A	
<b>Session 26: Clinical Surgery 2</b> Moderators : Egide Abahuje & Michael Mbambiko		
8:44 – 8:50	The use of neo-adjuvant chemotherapy in patients with breast cancer – how should we manage the axilla	Bahaty Riogi
8:50 – 8:56	Long-term outcomes of brain tumor surgery patients	Lydia Nanjura
8:56 – 9:02	Teamwork as a success story in management outcomes of pheochromocytoma at the endocrine surgical unit of Mulago National Referral Hospital	Jane Odubu Fualal

9:02 – 9:08	A retrospective descriptive quantitative study to determine patterns of diagnosis and treatment of osteosarcoma patients at Queen Elizabeth Central Hospital, Malawi	Vincent Lewis Mkochi
9:08 – 9:14	Management challenges of Helicobacter pylori associated gastritis faced in a single private institution in Northern Namibia	Brown C Donfor
9:14 – 9:22	Q & A	
<b>Session 27 : Orthopaedics</b> Moderators: Bikoroti Joel & Assis Da Costa		
9:22 – 9:28	Improve spinal & pediatric orthopedic care – Mozambique/ other parts in Africa	Azmi Ahmad Alaaedin
9:28 – 9:34	Post-traumatic elbow stiffness: Outcomes after Open Surgical release	Basil Christopher
9:34 – 9:40	Techniques and outcomes of percutaneous fixation of pelvic fractures: early results	Anthony Mushiri
9:40 – 9:46	Pattern of adult orthopedic patients' admission and length of hospital stay in Tikur Anbessa Specialized Hospital, Addis Ababa, Ethiopia: One year retrospective study	Mengistru Gebreyohanes Mengesha
9:46 – 9:52	Intramedullary nailing versus external fixation in the treatment of open tibia fractures in Tanzania – results of a randomized control trial	Bill Thomson
9:52 – 10:00	Q&A	
10:00 – 10:30	<b>Coffee Break – Visit the Exhibits</b>	
<b>Session 28: Reconstructive/Plastic Surgery</b> Moderators : Charles Furaha & Jane Fualal		
10:30 – 10:36	The concept of 2nd chance reconstructive surgery training: the 2017 – 2020 perspective	Anne Zeidan
10:36 – 10:42	Plastic surgery training in East Africa: Kenya and Uganda	Waruguru C. Wanjau
10:42 – 10:48	The impact of Vacuum Assisted Closure (VAC) therapy in management of open fractures related wounds: A case series	Laurent Nkurikiyimfura
10:48 – 10:54	Early outcomes of a 2 year follow-up managing segmental bone loss secondary to haematogenous osteomyelitis using vascularized fibula flap	George William Galiwango
10:54 – 11:10	Q&A	
<b>Session 29: Education</b> Moderators : Emmanuel Kayibanda & Fredrik Tawad		
11:10 – 11:16	Role of trainee feedback in enhancing NOTSS	Abahuje Egide
11:16 – 11:22	Surgical Collaboration as an Example of Horizontal Capacity building: VCU- Rwanda experience	Sudha Jayaraman
11:22 – 11:28	Graphical representations improve examinee understanding of ABSITE tests results: General surgery residents' perspective	Christophe Mpirimbanyi
11:28 - 11:45	Q&A	

## Session 30: RCSI/COSECSA Research Grant Recipients Presentations and Lindsay Stewart Prize Recipients

Moderators: Georges Ntakiyiruta & Russell White

11:45 – 11:51	Impact of the establishment of the paediatric surgical unit on paediatric surgical services in Mbarara Hospital	Anne Wesonga Shikanda, University of Science and Technology (Uganda) presented by Martin Situma
11:51 – 11:57	Impact of COSECSA on surgical research in East, Central and Southern Africa	Azad Patel, University Teaching Hospital, Lusaka Zambia
11:57 – 12:03	Impact of COSECSA with regards to surgical care in Cameroon	Franklin Umenze, Mbingo Baptist Hospital, Cameroon
12:03 – 12:09	Functional outcome of patients following emergency neurosurgical intervention of traumatic brain injury	Ebenezer Gezahego Fanta, Mbingo Baptist Hospital, Cameroon
12:09 – 12:15	Prevalence of peripheral arterial disease among high risk patients in southern Malawi.	Palesa Chisala
12:15 – 12:20	Q&A	
12:20 – 12:30	Smile Train	

## Session 31: Panel on The Role of Healthcare industries in Global Surgery

Moderator : Ahmed Kiswezi & Kathleen Casey

12:30 – 13:00	Private sector organizations taking a shared value approach in surgery (i.e. moving beyond philanthropy to sustainable business models)	Rita Owino GE Healthcare
	Examples of private-public partnerships that are creating impact	Pierre Theodore J & J
	Private sector perspectives on investing in surgery – what makes a program exciting to invest in? What are they currently investing in?	Sandeep Pandya MERIL INDIA
13:00 – 14:00	<b>LUNCH</b>	
14:00 – 14:10	Cryosurgery: A minimal invasive method for chronic pain treatment	Ghislain Pierre Beeuwsaert
14:10 – 14:20	Medtronic	
14:20 – 14:30	Design of an electrical unit to enhance safe surgery globally	Roos Oosting

## Session 32: Panel on COSECSA/ACS Resident's education

Moderator: Pankaj Jani

14:30 – 16:00	Optimizing resident education in the Operating Room: faculty and Resident responsibility	Barbara Bass (ACS IPP)
	Data driven training	Sean Tierney (RCSI).
	Incorporation Trauma education during residency,	Ron Meir, (ACS President)
	Challenges in residency education in Africa?	Russ White (COSECSA)
	Which competencies for surgical residents in Africa?	Philip Cotton Vice Chancellor, University of Rwanda
16:00 – 16:30	<b>Coffee Break – Visit the Exhibits</b>	

**Session 33: G4 ALLIANCE**  
**Positioning COSECSA for the future of Global Surgery**

Moderator: Andrew Hill

16:30 – 17:30	Discuss COSECSA 's collective impact both in the region and internationally	Ronald V. Maier (President, ACS)
	Introducing COSECSA Center for Global Surgery (CCGS) and its aims, call for collaboration	Pankaj Jani (President, COSECSA)
	Gather collective advise from international experts on how best to position COSECSA for the future as Global Surgical efforts increase	Prem Yohannan (Lead, CCGS)

**Session 34**  
**Closing Session**

Moderator: Emile Rwamasirabo

17:30 – 18:00	<b>Closing Remarks + Awards</b> COSECSA President: Pankaj Jani RSS President: Martin Nyundo
19:00	<b>Gala Dinner (Voluntary participation)</b> Fees: 30 USD Venue: Chez Robert Kiyovu