Rwanda Emergency Care Association
Day Conference 2017

Bringing Accessible and Sustainable Emergency Care to Rwanda

12 May 2017 — Kigali, Rwanda

recaonline.org  @RECA_Rwanda  facebook.com/RECARwanda
# Morning Schedule

**Registration**

- **7:00** Registration

**ROOM A**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 08:00 | Welcome
       | Gabin Mbanjumucyo                                                      |
| 08:10 | The Need of Emergency Care in Rwanda
       | Gabin Mbanjumucyo                                                      |
| 08:30 | Emergency Health Systems Boxing Match!
       | Amelia Pousson and Doris Uwamahoro                                     |

**ROOM B**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Olivier Umuhire</td>
</tr>
<tr>
<td>8:10</td>
<td>Claudine Nshutiyukuri</td>
</tr>
<tr>
<td>8:20</td>
<td>Richard E. Keshi</td>
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<tr>
<td>8:30</td>
<td>Vincent Ndebwanimana</td>
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<tr>
<td>8:40</td>
<td>Appolinaire Manirafasha</td>
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</tbody>
</table>

**Changeover**

- **8:52** Changeover

*Closed meeting 9:00 — RECA committee meeting (Olivier Felix Umuhire)*

**Critical Care and Trauma**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 09:00 | Access and Challenge to Acute Surgical Care
       | Egide Abahuje                                                          |
| 09:13 | Current Trends in Sepsis
       | Lise Kabeja and Mindi Guptill                                          |
| 09:26 | Acute Desaturation In Ventilated Patients: Case Series in CHUK ICU
       | Olivier F Umuhire                                                      |
| 09:39 | Emergency and Essential Surgical Carre and Anesthesia in Rwanda
       | Paulin Banguti                                                         |

**Abstract Competition (continued)**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Rudo Nyamakura</td>
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<tr>
<td>9:10</td>
<td>Ernest Nahayo</td>
</tr>
<tr>
<td>9:20</td>
<td>Francine Uzamuhoza</td>
</tr>
<tr>
<td>9:30</td>
<td>Emmanuel Tuyisenge</td>
</tr>
<tr>
<td>9:40</td>
<td>Judging</td>
</tr>
</tbody>
</table>

**Morning Break**

- **10:00** Morning Break
Mid-Morning Schedule

10:00  Morning Break

ROOM A

Keynotes

10:25  Opening Remarks
   Prof Phil Cotton

10:55  Emergency Nursing: The Sky Really is the Limit!
   Prof Rob Crouch

   Dr Heike Geduld

11:55  Permissive Hypotension
   Prof Tim Rainer

12:25  Lunch Break

* Closed meeting 13:40 — AFCEM2018 Meeting (Gabin Mbanumucyo)

ROOM B

Emergency Health Systems II

Chairs: Vincent & Jean Paul

   Mundenga Mutendi

13:53  Ethical Issues in Nursing Workforce Skill Mix and Development
   Florence Gasatura

14:06  Trauma and Emergency Medical Systems Development
   Sudha Jayaraman

14:19  Ethics and Professionalism
   Emmanuel Rudakemwa

Medical Emergencies

Chairs: Olivier & Jeanette

13:40  Diagnosis and Management of Hepatic vs Wernicke Encephalopathy
   Lu’aie Kailani

13:53  Emergency Management of Seizures in Paediatrics from a Nursing Perspective
   Aphrodits Tuyishime

14:06  Electrolyte Imbalances
   Amendezo Etienne

14:19  Vitamin B12 Deficiency Presenting as Severe Anemia Requiring Blood Transfusion in the ED
   Menelas Nkeshimana

14:32  Changeover
# Afternoon Schedule

## ROOM A

### EM Research and Education

**Chairs:** Appolinaire & Jean Claude

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:40</td>
<td>Novel Methods for Building Global Research Capacity</td>
<td>Naz Karim</td>
</tr>
<tr>
<td>14:53</td>
<td>Emergency Care Research in Sub-Saharan Africa</td>
<td>Adam Aluisio</td>
</tr>
<tr>
<td>15:06</td>
<td>Emergency Nursing Education: If We Can't Go 'There'... What Can We Do 'Here'?</td>
<td>Ivy Muya</td>
</tr>
<tr>
<td>15:19</td>
<td>Faculty Development — Learning and Teaching</td>
<td>Tamara Thomas</td>
</tr>
</tbody>
</table>

## ROOM B

### Prehospital and Disaster Preparedness

**Chairs:** Claude & Lucien

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>14:40</td>
<td>Management of Ambulances in Rwanda: Challenges &amp; Solutions</td>
<td>Ignace Kabagema</td>
</tr>
<tr>
<td>14:53</td>
<td>Just Triage — Prioritising Patients in a Major Incident</td>
<td>Giles Cattermole</td>
</tr>
<tr>
<td>15:06</td>
<td>Prehospital Care: From Community to Definitive Care</td>
<td>Jeane d’Arc Nyinawankusi</td>
</tr>
<tr>
<td>15:19</td>
<td>Viral Hemorrhagic Fevers: Medical Management And Personal Protection</td>
<td>Noah Rosenberg</td>
</tr>
</tbody>
</table>

## Break

### ROOM A

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<tbody>
<tr>
<td>15:35</td>
<td>Afternoon Break</td>
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</table>

## Keynotes II

**Chairs:** Oliver Senior & Jeanne

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
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<tbody>
<tr>
<td>16:00</td>
<td>Humanitarian Emergencies in Resource-Limited Settings</td>
<td>Adam Levine</td>
</tr>
<tr>
<td>16:30</td>
<td>Panel Discussion</td>
<td>Plenary speakers</td>
</tr>
<tr>
<td>17:00</td>
<td>RECA Awards</td>
<td>Gabin Mbanjumucyo and Jeanne d’Arc Nyinawankusi</td>
</tr>
<tr>
<td>17:30</td>
<td>Closing Remarks</td>
<td>Theophile Dushime</td>
</tr>
</tbody>
</table>
Abstracts

Time from Disposition to Leave Emergency Department
Olivier Umuhire

Knowledge, Attitude and Practice of Emergency Care on Road Traffic Accident Victims
Claudine Nshutiyukuri

The Use of High Sensitivity Troponin in the Diagnosis of Acute Coronary Syndrome and Myocardial Infarction in Emergency Departments
Richard E. Keshi

Comparative Evaluation of Three Trauma Prognostication Scores Among Injured Patients Receiving Prehospital Care in Kigali, Rwanda
Vincent Ndebwanimana

Estimating Children's Weight in Rwandan Emergency Department
Appolinaire Manirafasha

Adult Basic and Advanced Cardiopulmonary Resuscitation Training Curriculum Development for Doctors and Nurses in Zimbabwe
Rudo Nyamakura

Airport Mass Casualty Drill
Ernest Nahayo

Nurses' Knowledge, Attitude and Practice Toward Mass Causality Preparedness at Rwanda Military Hospital
Francine Uzamuhoza

Factors Contributing to Outcomes of Adult Patients with Traumatic Brain Injury (TBI) at Kigali University Teaching Hospital
Emmanuel Tuyisenge
Speaker Biographies

Dr Adam C. Levine, MD, MPH, FACEP
Adam Levine is an Associate Professor of Emergency Medicine at the Warren Alpert Medical School of Brown University and Director of the Brown University Global Emergency Medicine Fellowship. In recent years, Dr. Levine has responded to humanitarian emergencies in International Medical Corps and has led research and training initiatives in South Asia, East Africa, and West Africa. He currently serves as Director for the new Humanitarian Innovation Initiative at Brown University, whose goals are Haiti, Libya, South Sudan, and Liberia with the humanitarian organization to improve the quality and professionalize the delivery of humanitarian assistance worldwide. His own research focuses on improving the delivery of emergency care in resource-limited settings and during humanitarian emergencies.

Dr Adam R. Aluisio, MD, MSc, DTMH
Dr. Aluisio works as an emergency medicine clinician in the United States and research in international settings. His work focuses on improving understanding of the prevention and treatment of infectious diseases and injuries in low-and middle-income countries.

Dr Amelia Pousson, MD MPH, FACEP
Dr Pousson lives in Kigali and is faculty in Emergency Medicine at CHUK through the support of the HRH program. Her main research interests are in Emergency Medicine education and training, and she decompresses after long shifts in the ED with yoga and #FOAMed on Twitter under the username @apousson.

Aphrodis Tuyishime, RN, BSN, PCCN
He got advanced diploma in general nursing from university of Rwanda in 2010, bachelor’s degree in honor of pediatric critical care nursing at Gertrude institute of child health and research in Kenya/Nairobi in 2014. He is currently the unit manager of neonatal intensive care unit and nurse educator at Rwanda military hospital. He got an outstanding performance award in pediatric critical care nursing in 2014 from Gertrude institute of child health and research.

Dr Appolinaire Manirafasha
Appolinaire is PGY2 EMCC, trained in Rwanda in Former NUR 2011 class, serve as GP at Gahini and Kirehe DH, interested in research, during free time he likes to visit friends.

Dr Doris Lorette Uwamahoro
Dr Uwamahoro, trained at NUR/Faculty of Medicine, currently 2nd year resident in EM, main interest is Advocating for vulnerable people. Free time watching Basketball games.
Dr Egide Abahuje, MD, MMED
Dr Egide ABAHUJE graduated for the University of Rwanda before starting at Kigali University Teaching Hospital (CHUK) in August, 2016. His research interest is access to surgical care. In his spare time he enjoys swimming.

Dr Emmanuel Rudakemwa, MD, FCRAD(SA)
Dr Rudakemwa, graduated from Wits University in SA. He is senior consultant Radiologist, current head of the Treatment & Diagnostic Support Services at Oshen- Health Care -KFH. He is chairman, Rwanda Medical Dental Council & Previous Registrar of RMDC & Executive member of AMCOA (Association of Medical Councils in Africa). He is an associate Senior Lecturer, UR, and Researcher with interests in Cancer Imaging, HIV & ARM.

Dr Etienne Amendezo
Dr. Amendezo is a Specialist Physician in Internal Medicine. He is a Honorary Lecturer at the University of Rwanda’s School of Medicine and Health Sciences. His carrier interests are focused on Medical Practice in the fields of Internal Medicine, Cardiology, and Clinical Research.

Florence M Gasatura
Long standing nursing leadership and management 1st nursing director for CHUK. Worked with faculty of, medicine for 6 years teaching nursing module and managing skills lab. Trained in Mulago school of nursing and midwifery under Makerere University for both advanced diploma in nursing and advanced diploma in midwifery. Holds masters in nursing science from queen Margret university in Edinburgh Scotland UK.

Dr Gabin Mbanjumucyo
Gabin is a senior resident in emergency medicine at the University of Rwanda. He is currently the president of Rwanda Emergency care association. He holds a fellowship in point of care ultrasound and has published a few articles on emergency medicine in Rwanda. Outside his EM busy life he enjoys cycling the beautiful thousand hills.

Dr Giles N Cattermole, FRCEM, DTMH
Giles qualified as an Emergency Physician in Wales before working for a couple of years in Hong Kong. He was then in London for a few years before coming to Rwanda with the HRH program in 2015.

Dr Heike Geduld
Heike is currently President of the African Federation for Emergency Medicine. She was
Speaker Biographies

one of the first Emergency Physicians trained in Africa, graduating from the University of Cape Town in 2008. Her current position is Head of Education for Emergency Medicine for the Western Cape EMS and is the director of the MMed Specialist training at the University of Cape Town and Stellenbosch University.

Major Ignace Kabagema, Anesthetist
Trained in Rwanda, Ivory Coast and France before becoming the Pre-hospital Team Leader in SAMU/Rwanda. In my spare time, I like physical sport and prayers in Pentecostal Church.

Ivy Muya, BSN
Bachelor of Science registered nurse and currently studying for both a Master in Public Health (MPH) at the University of Nairobi and Masters in the Philosophy of Emergency Medicine (MPhil EM) at the University of Cape Town. She has nearly ten years of experience in the field of emergency medicine with special interest in emergency education and research in austere and/or conflict stricken environments. She has contributed to the development of emergency medicine synod with both the Africa Federation of Emergency Medicine (AFEM) and the Global Emergency Nursing Conferences. Currently working on a publication- A baseline analysis on emergency nursing education in Somalia. She wishes she had spared time.

Jeanne d’Arc Nyinawankusi, BSC(NE), MBA
Mrs Jeanne d’Arc were trained at University of Girone, Spain and Adam smith University of America. Her main research interest is traumatic injuries and Gyneco-obstetrics in Prehospital.

Dr Lise Mumporeze
Postgraduate year 2-Emergency medicine. She has read about 500 novels. In her spare time she enjoys techno music and sports.

Dr Lu’aie Kailani MD, MPH
Dr Kailani educated in Sudan and USA. Worked in several African countries including: Ethiopia, DRC, Liberia and Sierra Leone. Currently is working as Internal Medicine Attending faculty with Human Resources for health program.

Dr Menelas Nkeshimana, MBBS, MMed
Menelaus {preferred appellation}, trained in China and Rwanda before becoming the Head of department of Accident & Emergency at Kigali University Teaching Hospital (CHUK).
He is also staff physician and clinical faculty in the department of Internal Medicine. He is interested in research oriented towards the description of disease ecology in Rwanda. His hobbies include movies, travelling around Rwanda, and he has already hiked quite a number of volcanoes in the northern province!

**Dr Mindi Guptill, MD, FACEP**
Dr. Guptill went to medical school and emergency medicine residency at Loma Linda University in California. Before coming to Rwanda to work with the HRH Program, Dr. Guptill was the associate residency director for the emergency medicine residency at Loma Linda University. She has also worked in the Republic of Niger as the medical director of the Kirker Hospital. In her spare time she enjoys reading and traveling.

**Dr Mundenga Mutendi**
Dr. Mutendi is trained at Muhimbili University in emergency medicine, currently working in DRC. He is currently the vice president of the African Federation for Emergency Medicine.

**Dr Naz Karim MD, MSc, MHA, MPH**
Dr. Karim is the Professor of Emergency Medicine and Assistant Director of the Global Emergency Medicine Fellowship at Brown University. Her interests include developing innovative medical education tools that can be used globally, building research capacity, and the study of traumatic injuries in Rwanda. In her spare time, she likes to hike and climb mountains.

**Dr Noah K. Rosenberg, MD, FACEP**
Noah trained in emergency medicine at Brown University in the United States and is currently faculty for the Masters of Medicine in Emergency Medicine in Kigali. His academic interests include bioethics and medical humanities. Outside of medicine he enjoys camping and hiking.

**Dr Olivier Felix Umuhire**
Olivier is the chief resident of the only Emergency Medicine program in Rwanda. His main interest include Critical Care, Ultrasound and trauma. He serves as RECA Secretary and Conference chair. Besides Medicine his hobbies are Evangelism and family.

**Dr Olivier Umuhire**
He had my primary medical qualification in Nigeria, before traveling to the UK for my Post Grad. Dip in Business Management. He received my Membership of the Royal College of
Speaker Biographies

Emergency Medicine by examination and have been accepted for Emergency Medicine Specialty Training at the East of England Deanery. He is interested in academic medicine and have 3 publications and 2 oral presentations. He love playing chess, tennis and traveling.

Dr Paulin Ruhato Banguti
Dr Banguti is Consultant Anesthesiologist, KFH Senior Lecturer. He is the Chair (Ag), Department of Anesthesia Critical Care and Emergency Medicine CMHS. He is a PhD candidate in Medical Education. He has a great interest in Safe Peri-operative Medicine, Maternal Health, and Global Health. Out of Anesthesia, he is a bible student.

Dr Richard E Keshi MBBS, MRCEM, PGDip
He had my primary medical qualification in Nigeria, before traveling to the UK for my Post Grad. Dip in Business Management. He received my Membership of the Royal College of Emergency Medicine by examination and have been accepted for Emergency Medicine Specialty Training at the East of England Deanery. He is interested in academic medicine and have 3 publications and 2 oral presentations. He love playing chess, tennis and traveling.

Rudo Nyamakula, DPhil, MSC
Rudo Nyamakura has been a lecturer at the University of Zimbabwe, College of Health Sciences, and Department of Nursing Science since 1999. She is currently assisting with teaching on the MSc Nursing programme (Critical Care Nursing Track) at the University of Rwanda.

Prof Phil Cotton
Before his appointment as the Vice Chancellor of the University of Rwanda (UR), Phil Cotton was the Principal of one of UR’s Colleges – Medicine and Health Sciences. Prior to this he was at Glasgow medical School where he is still Professor of Learning and Teaching. After completing a science degree at St Andrews he studied medicine at Glasgow where he also completed his Masters and Doctoral degrees. For many years he worked as a GP in Glasgow, and was a Council member and International Committee member, and Fellow of the Royal College of General Practitioners. He is a Methodist Preacher and is the founding chair of a Scottish fair trade organization, and Board member of several development charities working in Africa.
Speaker Biographies

Prof Robert Crouch, OBE, RN, PhD, FRCEM (Hon)
Prof Crouch trained as a nurse in the UK. He is a clinical academic working in a Teaching Hospital Emergency Department/Major Trauma Centre. He also works in the pre-hospital setting. He has a specific interest in developing non-medical advanced practice roles. In his spare time he is a keen surfer.

Dr Sudha Jayaraman
Dr Sudha Jayaraman is a surgeon in Richmond, Virginia and is affiliated with Brigham and Women’s Hospital. She received her medical degree from University of California Davis School of Medicine and has been in practice between 11-20 years. She is one of 127 doctors at Brigham and Women's Hospital who specialize in Surgery.

Dr Tamara Thomas
Dr Tamara is a Professor in Emergency Medicine and currently serves as interim Chair of Emergency Medicine and Vice-Dean of Academic Affairs at Loma Linda University School of Medicine. Her professional endeavours have focused on education and faculty training in emergency medicine on the local, national, and international level. Her professional interests continue to include disaster preparedness, education, curriculum development, innovations in education, and faculty development.

Prof Timothy Rainer
Professor Rainer graduated from the University of Wales College of Medicine in 1986, and trained firstly in internal medicine and then in emergency medicine. In 1996, he moved to the Chinese University of Hong Kong to develop an Accident and Emergency Medicine Academic Unit. In 2015 he took up a post as Professor of Emergency Medicine at Cardiff University. His research interests include emergency medicine-based trauma, haemodynamic and permissive hypotension.

Dr Vincent Ndebwanimana
Dr Vincent resident in Emergency and Critical Care at University of Rwanda with medical practices experience of 5 years in Rwanda
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SAVE THE DATE
7–9 NOVEMBER 2018 KIGALI, RWANDA

AFRICAN CONFERENCE ON EMERGENCY MEDICINE

HOST COUNTRY ORGANISATION LOCAL PARTNERS

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