



BETHUNE ROUND TABLE 2019



ETHICS IN GLOBAL SURGERY

June 6 – 9, 2019

Edmonton Clinic Health Academy (ECHA), University of Alberta

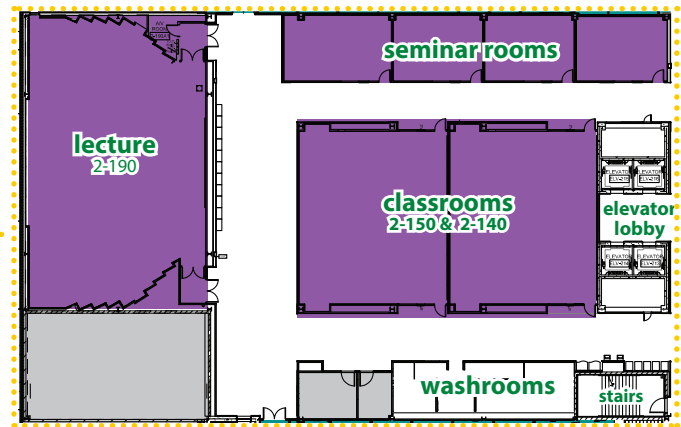


UNIVERSITY OF ALBERTA
FACULTY OF MEDICINE & DENTISTRY
Department of Surgery



OFFICE of
GLOBAL
SURGERY

EDMONTON CLINIC HEALTH ACADEMY (ECHA)



The Edmonton Clinic Health Academy (ECHA) is located at 11405 – 87 Ave NW, west of the University of Alberta Hospital.

Most programs will take place in ECHA 2-190, with break-out sessions in ECHA 2-140, ECHA 2-150, and the seminar rooms nearby. Please refer to the schedule for session locations.

level 2

- Open study spaces (No bookings)
- Teaching and learning spaces (Available when not in use)
- Faculty-specific areas (Restricted access)

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WELCOMING REMARKS

Welcome to the 2019 Bethune Round Table (BRT) Conference in Edmonton! This is an interdisciplinary international conference hosted annually by institutions across Canada, with the aim of fostering dialogue on the challenges and strategies of improving surgical care to marginalized populations around the world. The BRT brings together a global network of physicians, surgeons, nurses, allied health professionals, students and trainees across various disciplines including Anaesthesia, Obstetrics & Gynecology, Ophthalmology, Surgery, and more.

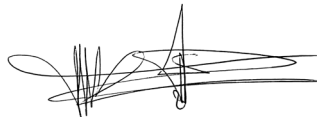
The Bethune Round Table is named after Dr. Henry Norman Bethune (1890-1939), an acclaimed Canadian Surgeon who committed his life to providing surgical care to under-served populations around the world. This Conference began in 2001 at the University of Toronto under the leadership of Dr. Massey Beveridge and the Office of International Surgery. Since then, the BRT has been led and hosted by academic centres across Canadian cities including Calgary, Halifax, Hamilton, Montreal, Ottawa, Toronto, and Vancouver. Now in its 19th year, we are thrilled to host this conference in Edmonton for the first time. With the theme of **Ethics in Global Surgery**, this year's discussions will focus on the importance of ethical considerations in creating sustainable and equitable global surgery initiatives. Here we hope to create a participatory ethical framework and operating principles to guide the conduct of global surgery, and establish ethical standards based on inputs from our global network of partners. As part of this effort, we invite you to join our team in the conversation during your time in Edmonton and to continue beyond the conference.

This year, travel scholarships were awarded to clinicians from Low- and Middle-Income Countries (LMICs) based on peer review of their submitted abstracts. We are grateful for our conference sponsors whose support helped provide this opportunity to build leadership capacity in global surgery. This year, the conference scientific committee had the difficult challenge of selecting 14 awards from 67 applications. We are pleased to welcome BRT Scholars from Brazil, Colombia, Ghana, Nigeria, Rwanda, Uganda, and Zambia. A total of 77 abstracts were chosen for podium or poster presentation from over 150 submissions this year.

Our sincere thanks to our network of global surgery colleagues cross Canada for their support, and Dr. David Williams, the Walter Stirling Anderson Chair of Department of Surgery at the University of Alberta, for supporting the Office of Global Surgery and the BRT conference. Special thanks to the Conference Planning Committee who provided the critical managerial and logistical oversight to make this conference happen. We would also like to acknowledge all the departments, divisions, institutes and organizations who have provided support towards this year's conference as well as all our sponsors, partners and volunteers for their contributions.

The University of Alberta campus is situated near the beautiful North Saskatchewan River Valley and the lively Whyte Avenue Neighborhood. We hope you enjoy this year's Bethune Round Table and feel proud to be a part of the growing global surgery movement.

On behalf of the Planning Committee,



Abdullah Saleh
Chair
Bethune Round Table 2019



Kai Fan
Operations Coordinator
Bethune Round Table 2019

KEYNOTE SPEAKERS



DR. LEWIS WALL

Prof. of Obstetrics & Gynecology

Washington University

Dr. Wall is a professor of obstetrics and gynecology at Washington University, and is actively involved in international projects aimed at improving reproductive health in developing countries. Dr. Wall's projects range from capacity-building in the treatment of obstetric complications to improving access to menstrual hygiene products for youth in Ethiopia. Dr. Wall is especially interested in the intersections of medicine, ethics, and anthropology.



PROF. PANKAJ JANI

President

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

Prof. Pankaj Jani is the current President of the College of East, Central and Southern Africa (COSECSA) and a professor in the Department of Surgery at the University of Nairobi. Dr. Jani's expertise is in Hepato-Pancreatico-Biliary and Laparoscopy Surgery, as well as therapeutic GI Endoscopy. Dr. Jani has been extensively involved with surgical training and health systems strengthening in 17 countries in the East, Central, and Southern Africa region.



DR. PREM YOHANNAN

Chair, Centre for Global Surgery

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

Dr. Yohannan is an orthopaedic surgeon currently working for the Ministry of Health under the Government of Mozambique and chairs the Centre for Global Surgery at the College of Surgeons of East Central and Southern Africa (COSECSA). Dr. Yohannan completed his medical specialist training in India and holds interests in joint replacements and trauma surgery.



PROF. TITUS IBEKWE

Vice-Chairman

American Academy of Otorhinology, Head and Neck Surgery Foundation (AAOHNSF)

Prof. Ibekwe is an ENT surgeon and currently heads the Department of Otorhinology at the University of Abuja. Recently, Prof. Ibekwe was elected as the Vice Chairman of the International Advisory Board (IAB) of the American Academy of Otorhinology Head and Neck Surgery Foundation (AAOHNSF).



DR. SOREN OTIENO

Medical Superintendent

National Spinal Injury Hospital

Dr. Otieno is the medical superintendent for the National Spinal Injury Hospital in Nairobi, Kenya. He has extensive clinical experience as a surgeon in Kenya.



DR. LYDIA AZIATO

Dean of Nursing
University of Ghana

Dr. Aziato has extensive teaching experience in undergraduate and graduate-level nursing. Her research interests are in pain management, cancer nursing, surgical nursing, and nursing education curriculum development.



DR. AMBEREEN SLEEMI

Urogynecologist
Brooklyn, NY, USA

Dr. Sleemi has extensive experience working on pelvic floor disorders and obstetric fistulas across low and middle-income countries. She trained as a fistula surgeon and has worked with the U.N. Population Fund as well as Ministries of Health in Eritrea and Liberia.



DR. CHRISTOPHER CHARLES

Resident Physician, Anesthesiology
University of Toronto

Dr. Charles is the inventor of the “Lucky Iron Fish” project. The project uses a fish-shaped iron ingot as an innovative home-based food fortification method to improve nutritional health of iron-deficient farmers living in rural Cambodia.



DR. PENGDA SUN

Chief Surgeon, GI Nutrition and Hernia Surgery
Norman Bethune Medical College, Jilin University
Changchun, China

Dr. Sun is an expert in the diagnosis and surgical treatment of gastrointestinal disorders. He currently practises in China, is involved in multiple national and international professional GI associations, and has previously trained at the University of Manitoba.



DR. DEIRDRE NUNAN

Orthopaedic Surgeon
Médecins Sans Frontières (MSF)

Dr. Nunan is a Canadian-trained orthopaedic surgeon who works both locally and internationally, including placements with Médecins Sans Frontières/Doctors Without Borders in Syria, Haiti, Burundi, and the Gaza Strip.



DR. EDWARD MASSON

Orthopaedic Surgeon
University of Alberta

Dr. Masson is an orthopaedic surgeon at the University of Alberta and is experienced in collaboration and partnerships of surgical initiatives in low-resource settings.

2019 SCHOLARSHIP RECIPIENTS

Dr. Stephen Tabiri, Tamale Teaching Hospital, Tamale, Ghana

Dr. Nathaniel Usoro, University of Calabar Teaching Hospital, Calabar, Nigeria

Mr. Francis Kisitu, Rural Health Promotion and Poverty Alleviation Initiative (RUHPAI), Uganda

Dr. Marie Aimee Unyuzimana, Ruhengeri Hospital, Ruhengeri, Rwanda

Dr. Hervé M. Lekuya, Makerere University, Kampala, Uganda

Dr. Oluwadiya Kehinde, Ekiti State University Teaching Hospital, Ado Ekiti, Nigeria

Dr. Usoro Ezomike, University of Nigeria Teaching Hospital, Enugu, Nigeria

Mr. Bull Kitiibwa, Grassland Community Initiatives Uganda (GCIU), Rakai, Uganda

Mr. Celestin Seneza, Kigali University Teaching Hospital, Kigali, Rwanda

Dr. Hope Phiri-Nyimbili, University Teaching Hospital, Lusaka, Zambia

Dr. David Ntirushwa, University of Rwanda, Kigali, Rwanda

Dr. Frank E. Gyamfi, University of Development Studies, Ghana

Dr. Angélica Clavijo, Universidad El Bosque, Bogotá, Colombia

Dr. Rodriguez Vaz Ferreira, Universidade do Estado Amazonas, Manaus, Brazil

SLIDE SUBMISSIONS

If you are delivering a podium presentation, please submit your presentation slides to EdmontonBethune2019@gmail.com

WI-FI ACCESS

Guest Access (Guest@UofA)

1. Connect to the “Guest@UofA” Wi-Fi network on your device.
2. Once connected, open your internet browser and try to open any site. You should be automatically redirected to a Terms & Conditions page.
3. Read and accept the terms and conditions by clicking the button at the bottom of the page.
4. You are now connected to the guest network.

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1. Connect to the “UWS” Wi-Fi network on your device.
2. When prompted, enter your CCID and password. Leave any other fields blank.
3. If prompted, accept any certificates.
4. You should now have access to the internet.

DAY 1: THURSDAY, JUNE 6, 2019

All dates/times are noted in North American Mountain Daylight Time (UTC – 06:00)

Pre-Conference Workshop: Building an Ethical Framework for Global Surgery

12:00 – 17:00 | ECHA 2-140

In this session, conference participants, invited speakers, along with clinicians and ethics experts will collaboratively develop a draft ethical framework for global surgery. Participants will discuss and debate ethical models of collaboration, research, education and care delivery and determine key principles of a guiding framework for the ethical conduct of global surgery.

Conference Welcoming Event

18:00 – 21:00 | Timms Centre for the Arts (112th Street and 87th Avenue)

Join us at the Timms Centre for the Arts (located at the corner of 112th Street and 87th Avenue) for an evening of networking and dialogue, featuring a presentation by the Canadian Network for International Surgery.

Welcome Remarks: Dr. Abdullah Saleh, Chair – 2019 Bethune Round Table Conference

Reflections and Comments: Dr. Sam Bugis, Chairman of the Board – Canadian Network for International Surgery (CNIS)

DAY 2: FRIDAY, JUNE 7, 2019

All dates/times are noted in North American Mountain Daylight Time (UTC – 06:00)

07:00 Registration & Breakfast

08:00 **Chair's Opening Remarks**

ECHA 2-190

Dr. Abdullah Saleh

Chair

Bethune Round Table 2019

08:30 **Keynote: Compassion, Respect, and Justice**

ECHA 2-190

Dr. Lewis Wall

Prof. of Obstetrics & Gynecology

Washington University

09:15 **Abstract Session 1: Clinical Care and Delivery**

ECHA 2-190

1. Causes of Delay in the Management of Surgical Conditions at Tamale Teaching Hospital in Ghana

Stephen Tabiri¹

¹ Tamale Teaching Hospital, Ghana

2. Bloodless Obstetric Surgery in University of Calabar Teaching Hospital (UCTH)

Nathaniel Usoro¹, Marcus Inyama¹,
Iniabasi Ilori¹, Etim Ekanem¹

¹ University of Calabar Teaching Hospital, Calabar, Nigeria

3. Innovative Strategies to Improve the Quality of Surgical Care Services in Abim Hospital in Uganda

Joseph Kabogoza¹, B Kitiyibwa¹, Francis Kisitu¹, R Nalukenge²

¹ Rural Health Promotion and Poverty Alleviation Initiative (RUHPAI), Uganda

² Council for Community Resilient Uganda (CCRU), Mukono, Uganda

4. Innovative Mobile Solutions for Ambulances in Low Resource Settings

A Rosenberg¹, R Rickard², FZ Uwinshuti³,
P Muyombano³, G Mbanjumucyo⁴, JM Uwitonze³, I Kabagema³, T Dushime³, S Jayaraman¹

¹ Virginia Commonwealth University Department of Surgery, Richmond, Virginia

² Rwanda Build

³ Service d'Aide Medicale Urgente- Rwanda Ministry of Health

⁴ University Teaching Hospital of Kigali, Kigali, Rwanda

5. Cost-Effectiveness Analysis of Cesarean Section Rates and Access

Lina Roa^{1,2}, Luke Caddell¹, Jordan Pyda¹,
Adeline Boatman^{1,3}, Mark Shrime^{1,4}

¹ Program in Global Surgery and Social Change, Harvard Medical School, Boston, USA

² Department of Obstetrics & Gynecology, University of Alberta, Edmonton, Canada

³ Department of Obstetrics & Gynecology, Massachusetts General Hospital, Boston, USA

⁴ Center for Global Surgery Evaluation, Massachusetts Eye and Ear Infirmary, Boston, USA

6. Surgical Capacity and Averted Surgical Burden in the North Kivu Province of the Democratic Republic of Congo

Luc Malemo^{1,6}, Sarah Cairo², David Nguyen⁶, Tom Diehl⁵, Tianyi Shao³,
Christian M. Salmon⁴, David H. Rothstein⁵,
Dan Poenaru⁶

¹ HEAL Africa, Goma, Democratic Republic of the Congo

² Maine Medical Center, Portland, Maine, USA

³ Queen's University, Kingston, Ontario, Canada

⁴ Western New England University, Springfield, Massachusetts, USA

⁵ University at Buffalo, The State University of New York, New York, USA

⁶ McGill University Health Centre, Montreal, Quebec, Canada

7. Trauma and Disaster Team Response™ Course as a Means to Improve Interprofessional Care Delivery in Resource-Limited Settings

Anudari Zorigtbaatar¹, Rachel Nadeau², Andrew Beckett³, Paola Fata³, Kosar Ali Khwaja³, Jeremy Grushka³, Tarek Razek^{2,3}
Dan Deckelbaum^{2,3}

¹ McGill University, Faculty of Medicine, Montreal, Quebec, Canada

² Centre for Global Surgery, McGill University Health Centre, Montreal, Quebec, Canada

³ Division of Trauma Surgery, McGill University Health Centre, Montreal, Quebec, Canada

8. Assessing Surgical Quality in a Low Resource Setting with a Novel Hospital Assessment Tool: A Pilot Study in Brazil

Rodrigo Vaz Ferreira¹

¹ Universidade do Estado Amazonas, Brazil

9. Single vs. Extended Antibiotic for Prevention of Surgical Infection in Emergent Cesarean Delivery

David Ntirushwa¹, Rahel Ghebre^{1,2}, Marie Aimee Unyuzimana³, Urania Magriples^{1,2}, Maria Small^{1,2,4}, Stephen Rulisa¹

¹ University of Rwanda, Kigali, Rwanda

² Yale University School of Medicine, New Haven, Connecticut, USA

³ Ruhengeri Hospital, Rwanda

⁴ Duke University, Durham, North Carolina, USA

10. Impact of a Medical Information Form on Anxiety Level of Patients Before Elective Surgery in a Sub-Saharan African Hospital

C Bougouma¹, A Zongo², M Baghyan², M Lankoande³, S Traore⁴, R Kabore¹

¹ Service d'anesthésie réanimation, Centre Hospitalier Universitaire de Tingandogo, Burkina Faso

² Service d'anesthésie réanimation, Centre Hospitalier Universitaire de Yalgado Ouédraogo, Burkina Faso

³ Service d'anesthésie réanimation Centre Hospitalier Régional de Koudougou

⁴ Service d'anesthésie réanimation Centre Hospitalier Universitaire de Bogodogo

10:45 Coffee break

11:00 Special Session 1: Speaker – Health Systems Challenges

ECHA 2-190

Consideration on Homeogenization of Surgical Health Service

Dr. Pengda Sun

Chief Surgeon, GI Nutrition and Hernia Surgery
Norman Bethune Medical College, Jilin University,
Changchun, China

Health Systems Challenges in Global Surgery – Kenya Experience

Dr. Soren Otieno

Medical Superintendent
National Spinal Injury Hospital

Noon Lunch

13:00 Ab Guha Keynote Lecture

ECHA 2-190

ENT Outreach in Africa: Rules of Engagement

Dr. Titus Ibekwe

Vice-Chairman
American Academy of Otorhinolaryngology, Head and Neck
Surgery Foundation (AAOHNNSF)

13:45 Special Session 2: Panel Discussion – Education in Global Surgery

ECHA 2-190

Educating Nurses and Midwives to Provide Peri-operative Care in Ghana

Dr. Lydia Aziato

Dean of Nursing
University of Ghana

Towards Redundancy: Using Sustainable Models to Teach Crisis Resource Management

Dr. Christopher Charles

Resident Physician, Anesthesiology
University of Toronto

14:45 Coffee break

15:00 **Abstract Session 2: Education, Certification, Exchange of Trainees**

ECHA 2-190

11. Global Health Electives: Ethical Engagement in Building Global Health Capacity

A De Visser¹, G Hollaar¹, J Hatfield¹, J Seni², J Najjuma³, W Arubaku³

¹ University of Calgary, Calgary, Alberta, Canada

² Catholic University of Health and Allied Sciences, Mwanza, Tanzania

³ Mbarara University of Science and Technology, Mbarara, Uganda

12. The Contribution of the University of Cape Town to the Training of African Surgeons

Priyanka Naidu¹, Johannes Fagan¹, Carina Lategan¹, Liam Devenish¹, Kathryn Chu¹

¹ University of Cape Town, Cape Town

13. Strengths, Weaknesses, Opportunities and Threats of the Postgraduate Surgical Training in East, Central and Southern African Regions: A Survey Conducted Among COSECSA Surgeons and Trainees

H. M. Lekuya¹, R. Mbiine¹, M. Galukande¹

¹ Department of Surgery, Makerere University, Kampala, Uganda

14. Anesthesiology Training in Ethiopia: A Cross-Sectional Study of Factors Influencing Career Choice in Anesthesiology and the Challenges Faced During Residency Training in Ethiopia

Rahel Tilahun Melaku¹

¹ Black Lion Hospital, Addis Ababa, Ethiopia

15. What We've Learned from Sending Residents Abroad: How to Prepare Residents for International Rotations

Sara Strowd¹, Rebecca McGoldrick¹, Michelle Duperrault¹

¹ Stanford University, Stanford, California, USA

Ab Guha Lecture

We extend a special thanks to the Division of Neurosurgery at Toronto Western Hospital for their ongoing support of the Bethune Round Table through the creation of the annual Ab Guha Lecture.

Dr. Abhijit Guha died in November 2011. A 3-month prognosis from acute myelogenous leukemia was turned into a 3-year battle due to Ab's courage and strength.

Ab worked at Toronto Western Hospital, and was a great neurosurgeon, a brilliant scientist, a dedicated educator, and a selfless humanitarian. Ab and two ex-west-Bengali colleagues dreamed up and fundraised for the National Neurosciences Center in Kolkata to provide high-quality care to patients with neurosurgical and neurological conditions.

His philanthropic work embodied the message and the mission of the Bethune Round Table Meeting. In admiration of and dedication to Ab's memory, his neurosurgery family at the Toronto Western Hospital are proud to support the Ab Guha Lecture at each Bethune Round Table Meeting, starting with the 2012 Meeting in Toronto.

16. First Trauma and Disaster Team Response™ Course in Mongolia: Creation of Low-Fidelity Simulation Models

Anudari Zorigtbaatar¹, Tumenbayar Chuluunbaatar², Munkhdelger Myagmarsuren², Rachel Nadeau⁴, Khishigsuren Otgonsuren², Tarek Razeq^{3,4}, Dan Deckelbaum^{3,4}

¹ Faculty of Medicine, McGill University, Montreal, Quebec, Canada

² National Trauma and Orthopedic Research Centre, Ulaanbaatar, Mongolia

³ Division of trauma surgery, McGill University Health Centre, Montreal, Quebec, Canada

⁴ Centre for Global Surgery, McGill University Health Centre, Montreal, Quebec, Canada

17. The Challenges of Surgical Ethics in Nigeria: Doing a lot Without Knowing a lot

Oluwadiya Kehinde¹, Johnson Dare Ogunlusi¹, Moruf Babatunde Yusuf¹, Popoola Sunday Ogunsuyi¹, Obafemi K Wuraola¹, Waheed O Babalola¹, Oduwole Olayemi Ajogbasile²

¹ Department of Surgery, Ekiti State University Teaching Hospital, Ado Ekiti, Nigeria

² Department of Nursing, Perioperative Unit, Ekiti State University Teaching Hospital, Ado Ekiti, Nigeria

16:30

Day Synthesis

ECHA 2-190

Dr. Abdullah Saleh

Chair

Bethune Round Table 2019+

DAY 3: SATURDAY, JUNE 8, 2019

All dates/times are noted in North American Mountain Daylight Time (UTC – 06:00)

07:00 Registration & Breakfast

08:00 **Keynote: COSECSA – Challenges Faced in Training Surgeons**

ECHA 2-190

Prof. Pankaj Jani

President

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

08:45 **Abstract Session 3: Vulnerable Populations**

ECHA 2-190

18. Self-testing for Cervical Cancer Using Minimally Invasive ddPCR-based Swabs in Kenya: A Feasibility and Proof of Concept Study

Andre Isaac¹, Devon Woznick², Lilian Mbau³, Catherine Nyongesa-Watta³, Chizi Kiti³, Dennis Mwit³, Vincent Biron¹

¹Division of Otolaryngology-Head and Neck Surgery, Department of Surgery, University of Alberta, Edmonton, Alberta, Canada

²Innovative Canadians for Change, Edmonton, Alberta, Canada

³Amref Health Africa, Kenya Country Office, Nairobi, Kenya

19. The Burden of and Attitude Towards Female Genital Mutilation in Enugu State Nigeria – Our Women's Perspective

UO Ezomike¹, JM Chinawa², JT Enebe³, EC Ezugwu⁴, EC Aniwada⁵, NE Ezomike², AT Chinawa⁶, SO Ekenze¹, BC Ozumba⁴

¹ Sub-Department of Pediatric Surgery, University of Nigeria Teaching Hospital, Ituku/Ozalla, Enugu, Nigeria

² Department of Pediatrics, University of Nigeria Teaching Hospital, Ituku/Ozalla, Enugu, Nigeria.

³ Department of Obstetrics and Gynaecology, Enugu State University Teaching Hospital, Enugu, Nigeria.

⁴ Department of Obstetrics and Gynaecology, University of Nigeria Teaching Hospital Ituku/Ozalla, Enugu, Nigeria.

⁵ Department of Community Medicine, University of Nigeria Teaching Hospital, Ituku/Ozalla, Enugu, Nigeria.

⁶ Department of Community Medicine, Enugu State University Teaching Hospital, Enugu, Nigeria.

20. Domestic Violence is an Important Cause of Intentional Injury at Mbarara Regional Referral Hospital, Uganda

Tessa Robinson^{1,2}, Brian H Cameron^{1,2}, Christine Tumuhimbise³, Consolet Ninsiima⁴, Abdullah Saleh⁴

¹ Department of Surgery, McMaster University, Hamilton, Ontario, Canada

² McMaster Pediatric Surgery Research Collaborative, McMaster University, Hamilton, Ontario, Canada

³ Mbarara Regional Referral Hospital, Mbarara, Uganda

⁴ Division of Pediatric Surgery, Department of Surgery, University of Alberta, Edmonton, Alberta, Canada

21. Burden of Disease due to Prolonged Obstructed Labor: A Multi-Country Survey

Luke Caddell¹, Lina Roa^{1,2}, Vandana Tripathi³, Blake Alkire^{1,4}, Lauri Romanzi³

¹ Program in Global Surgery and Social Change, Harvard Medical School, Boston, USA

² Department of Obstetrics & Gynecology, University of Alberta, Edmonton, Canada

³ Fistula Care Plus, Engender Health, Washington, DC, USA

⁴ Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, USA

22. The High Burden of Unmet Pediatric Surgical Needs in Somaliland

Shugri Dahir¹, Tessa Concepcion², Mubarak Mohamed¹, Edna Adan Ismail¹, Dan Poenaru^{3,4}, Henry Rice^{2,5}, Emily R. Smith^{2,6}

¹ Edna Adan Maternity Hospital, Hargeisa, Somaliland

² Duke Global Health Institute, Duke University, Durham, North Carolina, USA

³ BethanyKids Africa

⁴ Department of Surgery, McGill University, Montreal, Quebec, Canada

⁵ Division of Pediatric Surgery, Duke University, Durham, North Carolina, USA

⁶ Department of Public Health, College of Health and Human Sciences, Baylor University, Waco, Texas, USA

23. Improving Obstetrics Care Practices in Rural Areas of Uganda Using Spatial Modelling

Bull Kitibwa¹, John Bale¹, Agnes Nakawesi²

¹ Grassland Community Initiatives Uganda (GCIU), Rakai, Uganda,

² Makerere University, Kampala, Uganda

24. Prevalence and Outcome of Chronic Malnutrition in Paediatric Surgical Patients in at Kigali University Teaching Hospital, Rwanda

Celestin Seneza¹, Daniel I Mclsaac^{2,3}, M Dylan Bould⁴

¹ Kigali University Teaching Hospital, University of Rwanda, Kigali, Rwanda

² Department of Anesthesiology & Pain Medicine, University of Ottawa, Ottawa, Ontario, Canada

³ School of Epidemiology & Public Health, University of Ottawa, Ottawa, Ontario, Canada

⁴ Children's Hospital of Eastern Ontario, University of Ottawa, Ottawa, Ontario, Canada

09:45 **Coffee break**

10:00 **Abstract Session 4: Mixed**

ECHA 2-190

25. Abdominal Trauma Outcomes at a Tertiary Hospital in Soroti, Uganda: A Retrospective Analysis

Irena Zivkovic^{1,2}, Margaret Ajiko³, Damian Duffy^{1,2}, Robert Baird^{2,4}

¹ Office of Pediatric Surgical Evaluation and Innovation, University of British Columbia, Vancouver, British Columbia, Canada

² BC Children's Hospital Department of Surgery, University of British Columbia, Vancouver, British Columbia, Canada

³ Department of Surgery, Soroti Regional Referral Hospital, Soroti, Uganda

⁴ Division of Pediatric Surgery, University of British Columbia, Vancouver, British Columbia, Canada

26. A Systematic Review of the Global Burden of Congenital Surgical Disabling Impairments

Leen Makki¹, Sara Medina Kasasni², Elena Guadagno¹, Norgrove Penny³, Dan Poenaru¹

¹ McGill University, Montreal, Quebec, Canada

² Sherbrooke University, Sherbrooke, Quebec, Canada

³ University of British Columbia, Vancouver, British Columbia, Canada

27. Clinical and Microbiologic Profile of Chronic Osteomyelitis among Children in Western Uganda

Tayebwa Edson¹, Connor J. Peck², Adrienne Socci³, Joel Bazira⁴, Daniel K. Kisitu¹

¹ Department of Surgery, Mbarara University of Science and Technology, Mbarara, Uganda

² Yale School of Medicine, New Haven, Connecticut, USA

³ Department of Orthopedics and Rehabilitation, Yale School of Medicine, New Haven, Connecticut, USA

⁴ Department of Microbiology, Mbarara University of Science and Technology, Mbarara, Uganda

28. The Contribution of Pediatric Surgery to Poverty Trajectories in Somaliland

Emily R Smith^{1,2}, Tessa L Concepcion¹, Mubarak Mohamed³, Shukri Dahir³, Edna Adan Ismail³, Henry E. Rice¹, Anirudh Krishna⁴, on behalf of the Global Initiative for Children's Surgery

¹ Duke Global Health Institute, Duke University, Durham, North Carolina, USA

² Department of Public Health, Robbins College of Health and Human Services, Baylor University, Waco, Texas, USA

³ Edna Adan University Hospital, Hargeisa, Somaliland

⁴ Sanford School of Public Policy, Duke University, Durham, North Carolina, USA

29. Validation of the “Lusaka formula,” a Novel Weight Estimation Formula in Children Presenting for Surgery in a Lower-Middle Income Country: A Prospective, Observational Study

Hope Phiri-Nyimbili¹, Lowri Bowen², M Dylan Bould³

¹ University teaching Hospital, Lusaka, Zambia

² Consultant Anesthesiologist, The Noah’s Ark Children’s Hospital for Wales, Cardiff, United Kingdom

³ Consultant Anesthesiologist, Children’s Hospital of Eastern Ontario and Associate Professor University of Ottawa, Ottawa, Ontario, Canada

30. Trauma Registry Implementation: Understanding Trauma in Western Kenya

Jessica Hogan¹, Thomas Churchill¹, Sandy Widder¹, Don Voaklander¹, Connie Keung², Emmy Rutto³, Eunice Chepkemoi³, Helen Wu Li², Kyle Carpenter³, Joshua Kisorio³

¹ University of Alberta, Edmonton, Alberta, Canada

² Indiana University, Bloomington, Indiana, USA

³ Moi Teaching and Referral Hospital, Eldoret, Kenya

31. Analysis of Maternal Mortality Cases in a Tertiary Teaching Hospital in Rwanda

Herondine Uwajeneza¹, David Ntirushwa¹

¹ University of Rwanda, Kigali, Rwanda

11:00 Special Session 3: Collaboration and Partnerships

ECHA 2-190

Making it Better Together? Partnerships and Collaborations in MSF Surgical Projects

Dr. Deidre Nunan

Orthopaedic Surgeon

Médecins Sans Frontières (MSF)

Creating Collaborative Partnerships in Gynecologic Surgery and Training in Low-Resource Settings

Dr. Ambereen Sleemi

Urogynecologist

Brooklyn, NY, USA

Noon Lunch (with concurrent poster sessions)

CHA Main Street

Consecutive Guided Poster Sessions

13:00 Special Session 4: Debate – Clinical Care & Delivery – Challenges of Short-Term Missions

ECHA 2-190

Dr. Prem Yohannan

Chair, Centre for Global Surgery

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

Dr. Ed Masson

Orthopaedic Surgeon

University of Alberta

14:00 Abstract Session 5: Collaboration and Partnerships in Global Surgery

ECHA 2-190

32. Ethical Framework for Global Humanitarian Surgical Missions

Anna Schoenbrunner¹, Matthew Chetta¹

¹ Department of Plastic and Reconstructive Surgery, Ohio State University, Columbus, Ohio, USA

33. An Ethical Framework for International Social-Economic-Development Partnerships in Surgical Innovation

Shivani Mitra¹, Isaac Wasserman¹⁻³, Vatshalan Santhirapala^{1,2,4}, Alexander W Peters^{1,2,5}, Jesudian Gnanaraj⁶, Praveen Ganesh⁷, Salim Afshar^{1,2}

¹ Department of Plastic and Oral Surgery, Boston Children’s Hospital, Harvard Medical School, Boston, Massachusetts, USA

² The Program in Global Surgery and Social Change, Harvard Medical School, Boston, Massachusetts, USA

³ Icahn School of Medicine at Mount Sinai, New York, New York, USA

⁴ Chelsea and Westminster Hospital, London, United Kingdom

⁵ Department of Surgery, Weill Cornell Medical Center, New York, New York, USA

⁶ Karunya Institute of Technology and Sciences, Tamil Nadu, India

⁷ Department of Plastic Surgery, Saveetha Medical College, Saveetha Institute of Medical & Technical Sciences, Chennai, Tamil Nadu, India

34. Indications for Limb Amputation in Humanitarian Surgery: A Descriptive Study from Médecins Sans Frontières

Priyanka Naidu¹, Lynette Dominguez², Miguel Trelles², Kathryn Chu¹

¹ University of Cape Town

² Medecins Sans Frontieres, Operational Centre, Brussels

35. Clinical Capacity Building for Prehospital Staff: Rotary-VCU-Rwanda Experience

Sudha Jayaraman¹, Ignace Kabagema², Basil Asay, JM Uwitonze², Kenneth L Williams, Stephanie Louka, Amir Louka, Jane Laverne, Ashley Rosenberg¹, Luke Wolfe, Jeanne d'Arc Nyinawankusi, Patrick Ndimubanzi, Theophile Dushime²

¹ Virginia Commonwealth University Department of Surgery

² Service d'Aide Medicale Urgente- Rwanda Ministry of Health

³ Virginia Commonwealth University Department of Internal Medicine

⁴ University Teaching Hospital of Kigali

36. Cheaper Local Outreach Surgical Service in Ghana: Patient Experience and Outcomes of the Locally Organized ApriDec Medical Outreach Group

Stephen Tabiri¹, Frank E. Gyamfi²

¹Tamale Teaching Hospital, Ghana

² School of Medicine and Health Science, University of Development Studies, Ghana

37. Laparoscopic Cholecystectomy Outcomes: A Comparison Between Public Community Hospitals in South Africa and Canada

Lindsay Delmar¹, Helen Janse van Rensburg², Brenden van der Westhuizen¹, Mark Hampton²

¹ University of Alberta, Edmonton, Alberta, Canada

² University of Cape Town, Cape Town, South Africa

³Management and Outcomes Following Surgery for Gastrointestinal Typhoid: An International, Prospective, Multicentre Cohort Study

38. Management and Outcomes Following Surgery for Gastrointestinal Typhoid: An International, Prospective, Multicentre Cohort Study

Frank Gyamfi¹, GlobalSurg Collaborative

¹ School of Medicine and Health Science, University of Development Studies, Ghana

15:00 Careers in Global Surgery

ECHA 2-190

Panel of Faculty, Residents & Trainees from University of Alberta

16:00 Overview of Bethune Round Table 2020

ECHA 2-190

16:15 Day Synthesis and Closing Remarks

ECHA 2-190

Dr. Abdullah Saleh

Chair

Bethune Round Table 2019

16:30 Abstract Awards

18:00 Evening Gala

Feigel Conference Centre
2nd Floor Allard Hall
11110 - 104 Avenue NW, Edmonton, AB

Reception: 18:00

Dinner: 19:00

Gala tickets can be purchased at <https://bethuneroundtable.com/registration>

CORRECTION* WORKSHOPS: SUNDAY, JUNE 9, 2019

Please note pre-registration is required for Workshop 1 – Trauma Team Training (TTT).

Pre-registration is preferred for Workshops 2 and 3, but on-site registration is available.

WORKSHOP 1: Trauma Team Training - Instructor's Course

Dr. Ronald Lett, MD, MSc, FRCSC, FCS (ECSA)

08:00 - 17:15 | Northern Alberta Institute of Technology (NAIT)

The principles of trauma management are universal irrespective of the source of destructive energy (whether it be a landmine or a motor vehicle) and irrespective of the caregiver's educational level. The Trauma Team Training Course (TTT™) is designed to help personnel apply these principles to all types of injury.

TTT™ is unique because the unit of instruction is not the individual but the team. The team is comprised of personnel who handle acute emergencies in most low-income country hospitals; often, this does not include doctors and, if it does, they are junior doctors.

The Trauma Team Training Course was developed and tested in several formats since June of 1998 under the auspices of the Injury Control Center-Uganda (ICC- U), with funding from the Canadian Network for International Surgery (CNIS) and the Canadian International Development Agency (CIDA).

Course objective: To teach surgeons, emergency physicians and other medical specialists how to teach personnel at the technical level to apply the principles of trauma management at centers with limited resources.

This workshop is a pre-requisite for surgeons to become a certified CNIS instructor. Participants will be credited with 7.5 CME hours for attending this workshop, in addition to their credited attendance to the BRT.

Visit <https://bethunroundtable.com/registration/> to register.

WORKSHOP 2: Social Entrepreneurship & Innovation

ICChange

08:00 - 12:00 | ECHA 2-125

We've taken three ideas from whiteboard to social enterprise and we'd like to share what we learned.

What we'll do:

Identify a need. What issues can you identify in your area of work that can improve lives? Can you envision a more sustainable way to deliver patient care? What challenges are you working on internationally? If you are not bringing your own problem-to-solve, don't worry - we'll provide one!

Learn a proven methodology. We'll apply design thinking principles to the challenges you are seeking to solve and teach you a methodology to use when you are focused on solving large scale social challenges.

Accelerate and scale. Learn the Lean Canvas tool as a way to test and iterate on your ideas. Learn the three major components of this tool to find your unique value proposition and model the social impact you will create.

Visit <https://forms.gle/LgRGYyY4XJhtCd8W7> to register.

WORKSHOP 3: Educational Partnerships in Low- and Middle-Income Countries (LMICs)

University of Alberta Department of Ophthalmology and Visual Sciences (OVS) in collaboration with the Office of Global Surgery

09:00 - 11:00 | ECHA 2-140

This workshop is brought to you by the Department of Ophthalmology and Visual Sciences (OVS) in collaboration with the Office of Global Surgery at the University of Alberta.

This workshop will take the form of an interactive round table facilitated by faculty from departments of ophthalmology and surgery.

Participants are encouraged to reflect on their own experiences in educational partnerships in global surgery and present on their lessons and experiences in the workshop.

What we'll do:

Models of educational programs. Become familiar with the standard and “sandwich” model of fellowship training programmes used by the University of Alberta.

Building local capacity: Learn about the role of high-income actors in building institutional capacity in LMICs, with an emphasis on the provision of longitudinal support from universities, civil society, and the private sector in making a partnership succeed.

Share your narrative: As a participant, you are encouraged to present your own narrative on the successes and challenges of educational partnerships in LMICs.

Visit <https://forms.gle/bFXAcE4QzpK7pQez8> to pre-register.

SESSION LEARNING OBJECTIVES

1. Ethics in Global Surgery Framework Development Workshop

- In this session, conference participants, invited speakers, along with clinicians and ethics experts from the University of Alberta will collaboratively develop the ethical framework for global surgery.
- Participants will discuss and debate on ethical models of collaboration care delivery, surgical missions, and create a draft containing key principles of a guiding framework for the ethical conduct of global surgery.

2. Abstract Session 1: Clinical Care and Delivery

- By the end of this session, participants will be able to:
 - Learn about examples of ongoing research work on the ethical and logistical challenges of delivering surgical care in low-resource settings, and be able to identify operational and ethical challenges in the provision of surgical care in such settings.

3. Special Session 1: Health Systems Challenges

- By the end of this session, participants will be able to:
 - Identify systems-level impetuses and barriers in Africa and East Asia that influence the provision of surgical care to marginalized groups (e.g. migrant workers, uninsured populations, and ethnic minorities).

4. Special Session 2: Education in Global Surgery

- By the end of this session, participants will be able to:
 - Identify (with examples) success and shortcomings of current models of education in global surgery, from the perspectives of aid “donor” and “recipient” countries.
 - Critically appraise the factors and attributes that contribute to long-term sustainability and success of a global surgery initiative.

5. Abstract Session 2: Education, Certification, Exchange of Trainees

- By the end of this session, participants will be able to:
 - Learn about ongoing research about the current education paradigms in global surgery.
 - Identify and critically appraise the benefits and drawbacks of current education paradigms in global surgery.

6. Abstract Session 3: Vulnerable Populations

- By the end of this session, participants will be able to:
 - Learn examples of current projects on the ethical, logistical, and pragmatic considerations of care delivery and health resource allocation for vulnerable populations in diverse environmental, socio-economic, and geopolitical settings.

7. Abstract Session 4: Mixed

- By the end of this session, participants will be able to:
 - Learn about research on effectiveness of new surgical techniques.
 - Understand current best practices in risk management for surgical patients.
 - Learn of current epidemiological studies on trauma management.

8. Special Session 3: Collaboration and Partnerships

- By the end of this session, participants will be able to:
 - Learn about successes and challenges on current models of collaboration in global surgery.
 - Strategic considerations (at each stage) for sustaining global surgery partnerships between institutions, as well as between health professionals including physicians, surgeons, nurses, and other health professionals.

9. Special Session 4: Clinical Care and Delivery: Challenges of Short-Term Missions – Debate

- By the end of this session, participants will be able to:
 - Learn about current examples of short-term surgical missions and its implications on mission participants and host communities.
 - Critically appraise the merits of short-term surgical missions and consider alternative and opposing perspectives on this issue.

10. Abstract Session 5: Collaborations and Partnerships

- By the end of this session, participants will be able to:

- Learn of examples of current research and projects that relate to sustainable strategic partnerships in surgical and training and care delivery between countries with different health care resources and priorities.

11. Careers in Global Surgery

- By the end of this session, participants will be able to:
 - Identify current developmental trends in academic global surgery.
 - Identify possible career pathways and trajectories towards establishing themselves in academic global surgery.
 - Develop an interest in pursuing academic global surgery as a career.

12. Workshop 1: Trauma Team Training

- By the end of this session, participants will be able to:
 - Acquire skills necessary to teach personnel at the technical level to apply the principles of trauma management at centres with limited resources

13. Workshop 2: Social Entrepreneurship

- By the end of this session, participants will be able to:
 - Understand how to accurately identify a need for intervention, apply methodologies for implementation, and scale an idea up to create lasting social impact.

14. Workshop 3: Educational Workshop - Educational Partnerships in Low- and Middle-Income Countries

- By the end of this session, participants will be able to:
 - Familiarize and appraise models of organizational partnership in training academic global surgeons.

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We gratefully acknowledge the contributions of our generous sponsors to the planning and operation of the 2019 Bethune Round Table.

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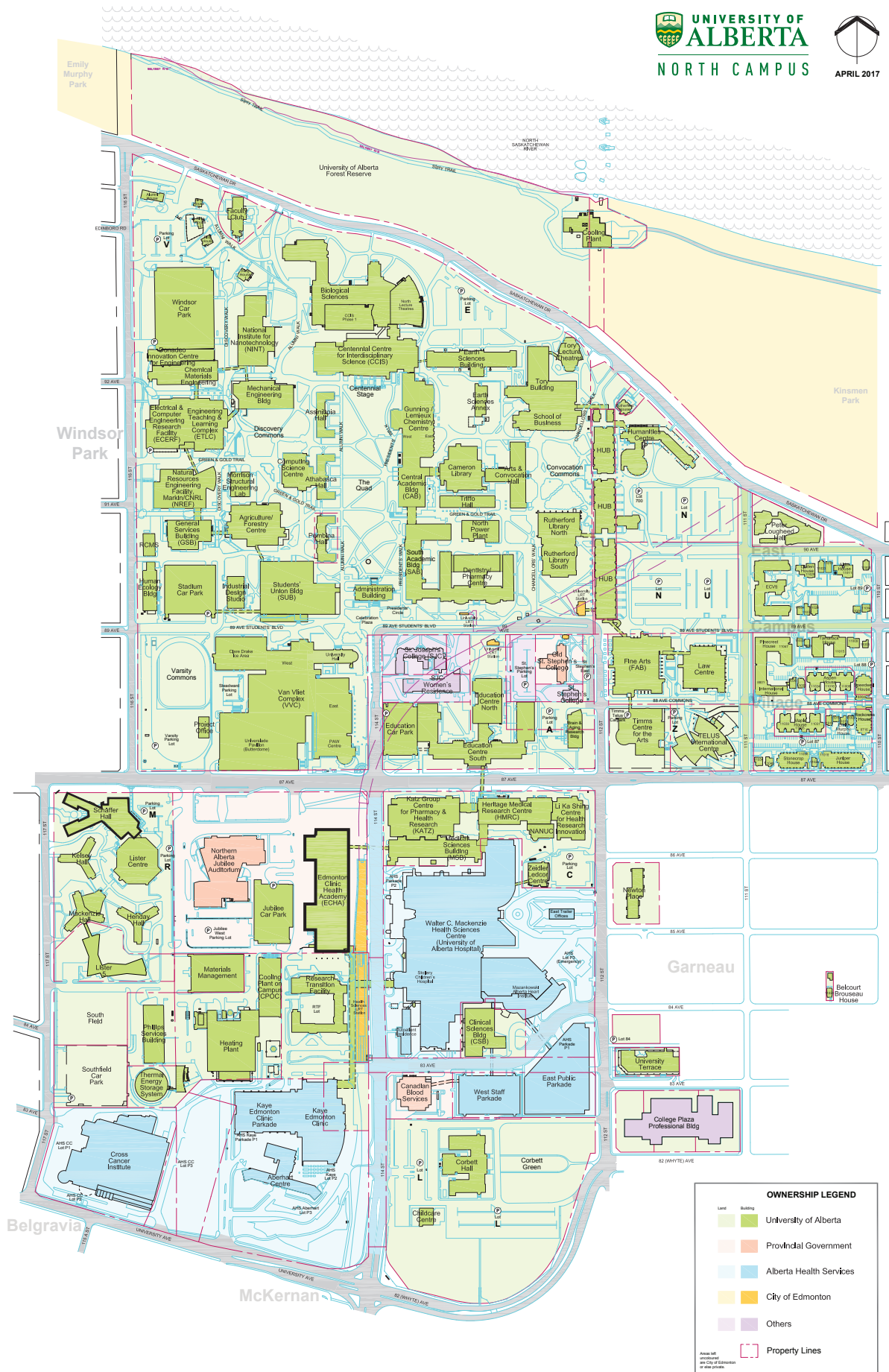
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2019 BETHUNE ROUND TABLE

June 6 – 9, 2019

Edmonton Clinical Health Academy (ECHA)

EMAIL: edmontonbethune2019@gmail.com

WEBSITE: <https://bethuneroundtable.com>

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