The Role of The Trainee in Global Surgery

Event Program

Friday May 25th
Saturday May 26th
Sunday May 27th
2018

Women’s College Hospital | Auditorium
Toronto, ON | Canada
It is with great pleasure that we welcome you to city of Toronto and to the 2018 Bethune Round Table in Global Surgery!

The Bethune Round Table came to fruition 18 years ago right here in Toronto. The event has rapidly gained international reputation for being so much more than an academic weekend: It is a collaborative and interdisciplinary opportunity for healthcare providers all over the world to build meaningful strategies and powerful relationships that will ultimately enhance global surgical care. We know that you will find every aspect of this weekend conducive to these goals, from chatting over your lunch break to listening to a panel.

The theme of The Role of the Trainee is central both to the University of Toronto and to capacity-building in global surgery. We believe that medical professionals need not wait to have impact: The opportunities and needs exist right now. The provision of equitable and high-quality surgical care in low- and middle-income depends on preparedness of local healthcare providers from an early stage in their careers. These providers can educate subsequent generations of students to consistently grow the number of adept professionals that can properly serve their community’s needs.

Of course - none of this can be done alone. Teamwork is integral to health-systems changes, whether it is consultation over a complicated case or the implementation of a new legal policy. We hope that you take advantage of the diverse weekend agenda to collaborate with your new peers, and find yourself both challenged and inspired.

Sincerely,

The 2018 Bethune Round Table Planning Committee

WITH MANY THANKS
The 2018 Bethune Round Table would not be possible without gracious contributions from our sponsors and donors. We would like to acknowledge the following institutions and individuals for their recognition of the importance of global surgery:

Dr. Mark Bernstein  
Greg Wilkins-Barrack Chair in International Surgery | Toronto Western Hospital | Department of Surgery, U of T

Dr. Massey Beveridge  
Department of Surgery, U of T

Dr. Lee Errett  
Professor of Global Surgery; Department of Surgery, U of T

Dr. Andrew Howard  
2018 Bethune Chair | Director of the Office of International Surgery | The Hospital for Sick Children | Department of Surgery, U of T

Dr. Ronald Lett  
Founder; Canadian Network for International Surgery | Department of Surgery, University of British Columbia

A special thank you to Mr. Ash Prakash for his ongoing support of global health and the A.K Prakash Foundation Fellowship in International Medicine at the University of Toronto.
EVENT VENUES

The Opening Reception: Thursday May 24th. 6pm
St. Michael’s College — The Charbonnel Lounge
81 St Mary Street | Toronto ON | M5S 1J4

Located within the University of Toronto’s main campus, SMC is a 12 minute walk from the Chestnut Residence.

By bus: Take the 6A North and exit at Bay, head north towards Charles Street West, make a u-turn on Charles Street, and turn right onto St. Mary Street.

By subway: Enter at St. Patrick station northbound and exit at Museum station. Head south on the stairs toward St. Mary and turn right onto St. Mary Street, turning slightly left to stay on St. Mary Street. SMC will be on your left.

The Conference: Friday May 25th - Saturday May 26th, 8:30am-5pm
Women’s College Hospital Auditorium
87 Grenville Street | Toronto ON | M5S 1B2

By subway: College or Queen’s Park station.

By foot: A 12 minute walk from Chestnut Residence. Head north on Chestnut, turn left on Elizabeth & left to stay on Elizabeth. WCH will be to your right.

Closest major intersection: Bay & College.
The Banquet Dinner: Saturday May 25th, 7pm
The Faculty Club – Wedgwood Room
41 Willcocks Street, Toronto, ON M5S 3G3

POSTER PRESENTATIONS: FRIDAY & SATURDAY
The Current State and Future of Epilepsy Surgery in Low- and Middle-Income Countries: A Systematic Review and Meta-Analysis
Aram Abbasian | University of Toronto (Canada)

Collaborative Effort for Intensive Care Unit in Enugu, Nigeria
Obinna Ajuzieogu | University of Nigeria (Nigeria)

Pediatric Musculoskeletal Disease in Kumi District, Uganda: A Cross-Sectional Survey
Kristin Alves | Harvard Medical School (USA)

Global Surgery Does Not Belong to the English Language: The Power of Student Networks to Coordinate, Translate, and Advocate for Global Surgery with Linguistic Equality
Zineb Bentounsi | International Student Surgical Network (Morocco)

Capturing Injury Mortality Data Through Hospital-Based Trauma Registries in Low-Resource Settings: The Bolivian Trauma Initiative Experience
Marissa Boeck | New York-Presbyterian Hospital (USA)

Establishing an Operative Room Registry in the Rural Setting: A Team-Based Collaborative in Nalerigu, Ghana
Natasha Caminsky | McGill University (Canada)

Practices and Perspectives of Traditional Bone Setters in Northern Tanzania
Elizabeth Card | University of Pennsylvania (USA)

Mapping Pediatric Burn Injury Prevention in Global Surgery: A New Role for Trainees
Karen Chung | University of Toronto (Canada)

Burn Scorings in a Resource-Limited Context: Calibrating their Mortality-Predicting Utility in Uganda
Gustaf Drevin | Harvard Medical School (USA)

Evaluating the Impact of Global Surgery Education Opportunities on Building Student and Resident Capacity in the U.S.
Parisa Fallah | Harvard Medical School (USA)

UK Plastic Surgery Trainee Involvement in Global Surgery: The Current Situation and Future Direction
Matt Fell | Royal Devon and Exeter Hospital (UK)

Using mHealth Technology to Assist CHWs in Identifying Surgical Site Infections in Rural Rwanda
Magdalena Gruendl | Partners in Health, Rwanda; Harvard Medical School (Rwanda/USA)

Understanding the Demographics of Trauma: A Retrospective Review of Trauma Cases in Western Kenya
Jessica Hogan | University of Alberta (Canada)

Are Global Surgery Initiatives Sustainable? A Systematic Review on Sustainability Criteria in Global Surgery Initiatives between North American and LMICs
Nicole Jedrzejko | University of British Columbia (Canada)

To Teach a Man to Fish: Introducing Medical Trainees to Global Surgery
Dalia Karol | University of Ottawa (Canada)

Strengthening Surgical Quality Indicator Data Collection and Reporting in Rural Tanzania
Medical Student Perceptions of Surgical Care: Is it Preventative or Cost-Effective in Underserved Settings?
Ambar Mehta | Johns Hopkins University

Prediction of Early Survival in Spina Bifida Infants by Using a Modified Severity Scale
Grace Muthoni Thiong’o | University of Nairobi (Kenya/Canada)

Prevalence of Urogynecology Symptoms in a Rural Population in Western Uganda
Tushambe Mutungi | University of Toronto (Canada)

Outcomes in Orthopedic Trauma in Rwanda: A Prospective Cohort Study of Non-Operative vs. Operative Management in Two Low-Resource Public Hospitals
Luke Myhre | University of Virginia (USA)

Adherence to Guidelines of Surgical Antibiotics Prophylaxis: A Retrospective Cohort Study at Georgetown Public Hospital Corporation, Guyana
Vickita Nandan | Georgetown Public Hospital Corporation (Guyana)

Global Health Opportunities During Anesthesiology Residency Training: A Canadian Perspective
Bethany Oeming | University of Western Ontario (Canada)

Health Literacy Assessment During a Pediatric Orthopedic Mission to a Low-Resource Setting
Rameez Quds | Harvard Medical School (USA)

Building Pediatric Surgery into Global Surgery: Current Practice Patterns and Strategies for Improvement
Salome Kuchukhidze | Harvard Medical School (USA)

Decentralization and Regionalization of Surgical Care: A Review of Evidence for the Optimal Distribution of Surgical Services in LMICs
Etienne St-Louis | McGill University (Canada)

Visualizing Surgical Mission Catchment in Mexico Using Geospatial Technologies
Beau Sylvester | Children’s Hospital Los Angeles (USA)

Surgical Site Infection After Gastrointestinal Surgery in High-Income, Middle-Income, and Low-Income Countries: A Prospective, International, Multicentre Cohort Study
Stephen Tabiri | Global Surgery Collaborative (Ghana)

Challenges to Surgery in Sierra Leone Hospitals: Surgical Provider Perspectives
Spencer Wilson | King’s College London (UK)

The Evolution of Medical Training Centre in Congo
Philip Wood | Centre Medical Evangelique, DR Congo (Canada)

Global Assessment in Pediatric Surgery (GAPS): Development of an Assessment-Based Pediatric Surgical Capacity and Training Tool for Resource-Limited Settings
Yasmine Yousef | McGill University (Canada)
FRIDAY MAY 25TH 2018: DAY 1

7:30 AM  Registration & Breakfast

8:30  Opening Remarks

Andrew Howard | 2018 Conference Chair, University of Toronto (Canada)
James Rutka | McLaughlin Chair of Surgery, University of Toronto (Canada)

9:00  Ab Guha Keynote Lecture
Introduction: Mark Bernstein | Ab Guha Lecture Chair (Canada)

Training for a Career in Surgery, Science, and Global Health
Faith Muchemwa | University of Zimbabwe College of Health Sciences (Zimbabwe)

10:00  Coffee Break

10:30  Abstract Session 1: Clinical Problems and Solutions in Global Surgery
Introduction: Omar Selim | University of Toronto (Canada)

[10:30] Implementing Ultrasound-Guided Hydrostatic Reduction of Intussusception in a Low-Resource Country in Sub-Saharan Africa
Amezene Tadesse | Addis Ababa University (Ethiopia)
Stephen Tabiri | Tamale Teaching Hospital (Ghana)
[10:50] Infections in a Tertiary Referral Hospital ICU in Rwanda
Jean Paul Mvukiyehe | University of Rwanda (Rwanda)
[11:00] Discussion
Abhaya Kulkarni | The Hospital for Sick Children (Toronto)
Luke Myhre | University of Virginia (USA)
[11:35] Applying WhatsApp Communication to Pediatric Burn Care in a Developing Country
Alan David Rogers | Sunnybrook Health Sciences Centre (Toronto)
[11:45] Discussion

12:00 PM  Introduction to poster displays

12:05  Lunch
Poster Displays
**1:00**

**Keynote Lecture**

*Introduction: Anna Dare | University of Toronto (Canada)*

**Building Longterm Training Partnerships in Global Health**

Robert Rivieko | Brigham-Women’s Hospital, Harvard Medical School (USA)

**2:00**

**Special Session 1: Concurrent Panels**

[Auditorium]

**P1. From Workforce Crisis to Workforce Planning: Models for Training and Retaining Under-Resourced Communities**

*Moderator: Joshua Ng-Kamstra | University of Toronto (Canada)*

**Competency-Based Surgical Training in Low-Resource Settings**

Beau Sylvester | Children’s Hospital Los Angeles (USA)

**Lessons and Educational Outcomes of a High-Risk Community-Based Otolaryngology Outreach Clinic**

Michael Yong | University of British Columbia (Canada)

**South African Surgeons are Appropriately Trained for Humanitarian Surgery**

Parveen Karjiker | University of Cape Town

**Training for Global Surgery: A Canadian Military Perspective from Iraq**

Mark DaCambra | Canadian Armed Forces (Canada)

**Profiling Recent Medical Graduates Planning to Pursue Surgery, Anesthesia, and Obstetrics in Brazil**

Jania Arcia Ramos | Program in Global Surgery and Social Change

**Panelists:**

Jean Chamberlain | Save the Mothers International (Canada)

Robert Rivieko | Brigham-Women’s Hospital, Harvard Medical School (USA)

Faith Muchemwa | University of Zimbabwe College of Health Sciences (Zimbabwe)

**Prakash Fellowship Panelists:**

Faith Muchemwa, Hanna Getachew, Samuel Hailu, Gelatew Tessema, Tihitena Negussie, Grace Muthoni, Tewodros Zerfu

[The Pink Cube]

**P2. Can Technology Transform How We Teach Research and Deliver Surgical Care in Under-Resourced Settings?**

*Moderator: Maeve Trudeau | University of Toronto (Canada)*

**Trauma Registries in Low- and Middle-Income Countries: Challenges and Outcomes Across 6 Sites in Tanzania**

Natasha Caminsky | McGill University (Canada)
Nothing About Us Without Us: Global Surgery Development and Advocacy Through Research Mentoring for Surgical Trainees and Providers in Resource-Limited Settings
Luc Malemo | HEAL Africa (Democratic Republic of the Congo)

A Geospatial and Cost Analysis of Trauma in Rural Northeastern Uganda
Nicole Lin | University of Miami – Miller School of Medicine (USA)

Facilitating Access to Surgical Devices in Sierra Leone and Ghana Through Transnational Funders
Dinsie Williams | University of Toronto (Canada)

Panelists:
Omar Selim | University of Toronto (Canada)
Karen Yeates | Queen’s University (Canada)
Marissa Boeck | New York Presbyterian Hospital (USA)
Mojgan Hodaie | Toronto Western Hospital (Canada)

3:00 Coffee Break

3:30 Abstract Session 2: Training Programs and Trainee Involvement
Introduction: Lee Errett | University of Toronto (Canada)

[3:30] Development and Introduction of a Learner-Driven Trauma Registry in a Tertiary Ugandan Referral Hospital
Martin Situma | Mbarara University of Science and Technology (Uganda)

[3:40] Primary Trauma Care: A Trauma Training Course for Low-Middle Income Countries
Rashid Jooma | The Aga Khan University (Pakistan)

Christian Mukwesi | Rwanda Military Hospital (Rwanda)

[4:00] Discussion

[4:15] Development and Delivery of a Standardized Investigator Training Package for a Multi-Centre Interventional Trial Across Low, Middle, and High Income Settings
James Glasbey | University of Birmingham (United Kingdom)

[4:25] Neonatal and Paediatric Surgery Across Sub-Saharan Africa
Luc Malemo | HEAL Africa (Democratic Republic of the Congo)

[4:35] Prevalence of Burnout Among Anaesthesia Trainees in Southeast Nigeria
Obinna Ajuzieogu | University of Nigeria (Nigeria)

[4:45] Discussion

5:00 Day 1 Synthesis

Evening Free time
Saturday May 26th 2018: Day 2

7:30 AM  
Registration & Breakfast

8:30  
**Special Session 3: Presentation and Panel – The Role of the Trainee**  
*Moderator: Anna Dare | Resident, University of Toronto (Canada)*

**Student Advocacy in Advancing Global Surgery Worldwide**  
Parisa Fallah | Harvard Medical School (USA)  
Zineb Bentounsi | Faculté de médecine et de pharmacie de Casablanca (Morocco)  
Godfrey Sama | Muhimbili University of Health & Allied Sciences (Tanzania)

**Results of a Six Year UK-Ethiopia Reconstructive Surgical Trainee Collaborative**  
Matt Fell | Royal Devon and Exeter Hospital (UK)  

**Global Health Opportunities During Anesthesia Training: A Canadian Perspective**  
Bethany Oeming | Schulich School of Medicine (Canada)

**Promoting Innovation for Global Surgery Needs Among Engineering Students in Rural India**  
Alexander Peters | Weill Cornell Medical College (USA)

**General Surgery Trainees Perform the Majority of Non-Trauma Emergency Laparotomies at Teaching Hospitals in Rwanda and South Africa**  
Linda Pohl | University of Cape Town

*Panelist:*
Samuel Hailu | Addis Ababa University (Ethiopia)  
Claire Karekezi | University of Toronto (Canada)

9:30  
**Abstract Session 3: Promoting Maternal and Child Health Within Surgery**  
*Introduction: Joshua Ng-Kamstra | University of Toronto (Canada)*

[9:30] **Enhanced Recovery After Surgery vs. Standard Recovery for Emergency Caesarean Deliveries at Mbarara Hospital, Uganda: A Randomized Control Trial**  
Moris Baluku | Mbarara University of Sciences and Technology (Uganda)

[9:40] **Factors Limiting the Provision of Safe Obstetric Anesthesia**  
Isabella Epiu | Kenyatta University (Kenya)

[9:50] Discussion

[10:00] **Assessing Social Determinants of Health-Seeking Behaviour for Delivery Among Pregnant Women in Malawi**  
Rachel Yorlets | Boston Children’s Hospital, Harvard Medical School (USA)

[10:10] **Procedural Sedation in Low-Income Countries**  
Rediet Shimeles | Addis Ababa University (Ethiopia)

[10:20] Discussion
10:30  Coffee Break

11:00  **Special Session 2: Canadian Network for International Surgery**  
      *Introduction: Maeve Trudeau | University of Toronto (Canada)*

      **Gender & Global Health: Canadian Policy and What it Means for You**  
      Jan Christilaw | Canadian Network for International Surgery

11:45  **Overview of Bethune 2019**  
      Abdullah Saleh, Vanessa Fawcett, and Jessica Hogan | University of Alberta

12:00  Lunch  
      Poster Displays

1:00   **Keynote Lecture & Panel**  
      *Introduction: Massey Beveridge | University of Toronto*

      **Collaboration, Training, and Retention for Anesthesiology in Rwanda**  
      Teresa Skelton | Hospital for Sick Children (Canada)

      Panelists:  
      Patricia Livingston | Dalhousie University (Canada)  
      Adam Mossenson | Dalhousie University (Canada)  
      Christian Mukwesi | Rwanda Military Hospital (Rwanda)  
      Paulin Ruhato Banguti | University of Rwanda (Rwanda)

1:45   Coffee Break

2:15   **Abstract Session 4: Health Systems Costs and Planning**  
      *Introduction: Rajiv Singal | University of Toronto (Canada)*

      [2:15] **External Injuries, Trauma, and Avoidable Deaths in Rural South Africa**  
      Idara John Edem | University of Ottawa (Canada)

      Prem Yohannan | Maputo Central Hospital (Mozambique)

      [2:35] Discussion

      [2:45] **Rethinking Referral Systems in Rural Chiapas**  
      Valeria Macias | Partners in Health (Mexico)

      [2:55] Discussion

3:05   **Special Session 4: Canadian Association of Surgical Chairs**

      Gary Redekop | University of British Columbia  
      Ivar Mendez | University of Saskatchewan
3:50  **Day 2 Synthesis & Closing Remarks**

Andrew Howard  
James Rutka

7:00  **Banquet Dinner**  
The Faculty Club | Wedgwood Room | 41 Willcocks Street
SUNDAY MAY 27TH 2018: WORKSHOPS

**Workshop 1: Globalization in Surgical Education**
A collaboration between the Bethune Round Table and the Wilson Centre Globalization Research Group

10:00am - 3:00pm
Lunch provided

The Peter Gilgan Centre for Research & Learning
Room 1 | 686 Bay Street

**Intended Participants**
Physicians and surgeons who are currently practicing
Physicians and surgeons who will be practicing within the next 1-2 years

**Workshop 2: Developing Young Leaders in Global Surgery**

10:00am - 3:00pm
Lunch provided

Women’s College Hospital
The Pink Cube | 76 Grenville Street

**Intended Participants**
Medical students, residents, and fellows
Physicians and surgeons who will be practicing within the next 5-10 years
2018 BETHUNE ROUND TABLE ORGANIZERS

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Joanna Giddens
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Heather Millar
Hala Muaddi
Joshua Ng - Kamstra
Alan David Rogers
Omar Selim
Rajiv Singal
Teresa Skelton
Rachel Spitzer

Maeve Trudeau
We would like to extend our recognition to the following individuals & organizations:
Displays
EASELrentals
The Print House
ThinkLink Graphics

Catering & Events
Daniel et Daniel
The Faculty Club
St. Michael’s College
Terrace Catering
The Peter Gilgan Centre

Accommodation
Chestnut Residence
Intercontinental Yorkville

Travel
Avenue Travel
Finally, a most gracious thank you to Women’s College Hospital and the Centre for Professional Development:
Women’s College Hospital
Pauline Beverley

The Centre for Professional Development
Nancy Bush
Alison Lind
Andrea Barkley