ANNUAL ADDRESS 2020

James T. Rutka
MD, PhD, FRCSC, FACS, FAAP, FAANS
RS McLaughlin Professor and Chair
HIGHLIGHTS FROM 2019-2020

✓ Publication of academic business case for Global Surgery
✓ Formalization of the Surgeon-Entrepreneur job description
✓ Initiation of Phase 2 Wellness Program, focus group discussions
✓ Publication of the SSTP roadmap for research fellowships
✓ Creation of Inaugural Merit Awards for Junior Faculty
✓ White paper on Parental Leave
✓ Hiring of Equity, Diversity and Inclusion Co-Directors
✓ Impact of COVID-19 on the Practice of Surgery
✓ $2.8M raised in philanthropic support
DEPARTMENT OF SURGERY STAFF

Harjit Bains - Finance Administrator
Val Cabral - Research Program Manager
Nancy Condo - Business Officer
Alina Gaspar - HR/ Payroll Administrator
Joanna Giddens - Strategic Plan Coordinator
Elena Iourtaeva - Acting UG Education Coordinator
Stacey Krumholtz - Medical Illustrator
Stephanie Neilson - Web/Communications Coordinator
Effy Ordon - Senior Development Officer
Sylvia Perry - Executive Administrator
Violetta Sochka - PGME Program Assistant
Nancy Somer - Clerical Assistant
Tess Weber - PG Education Coordinator
Learning Objectives:
1. Introduce the deep space operational context and relate it to remote terrestrial healthcare.
2. Discuss specific challenges with healthcare and surgery in deep space.
3. Introduce some emerging technologies and how they may impact remote terrestrial and deep space healthcare.

Dr. Marvin Tile is a world authority on the treatment of pelvic and acetabular trauma and has trained clinicians from around the world in the care of patients with critical orthopaedic trauma. Dr. Tile has published two books and 59 manuscripts that have shaped the practice of orthopaedics across the globe.

Robert Riddell
B. Eng, MD, CCFP (EM), MSM
Flight Surgeon, Operational Space Medicine
Canadian Space Agency, Saint-Hubert, Quebec
ER Physician, Cornwall Community Hospital, Cornwall, Ontario
Clinical Associate, Division of General Surgery Trauma
Sunnybrook Health Sciences Centre, Toronto, Ontario

“Trauma and surgical considerations for Deep Space Exploration”

LIVE ZOOM WEBINAR
Friday, June 5th, 2020 • 7:30-8:30AM
Joint Departments of Medicine & Surgery Annual Presentation

Bob Bell, MDCM, MSc, FRCSC, FACS, FRCSE (hon)
A Single Payer, Public Funded Healthcare System in the Age of COVID-19

Wednesday, May 20th, 2020 - 5:00-6:00PM

Click here to register

Space is limited. Please register by Monday, May 18th, 2020 at 9:00AM.

Dr. Robert Bell served as Ontario's Deputy Minister of Health from 2014 to 2018. Prior to this role, he served as President and Chief Executive Officer of University Health Network for nine years. He was previously the Chief Operating Officer at Princess Margaret Hospital and Chair of Cancer Care Ontario's Clinical Council and the Cancer Quality Council of Ontario.
Department of Surgery Book Club

October 15th, 2019

**Catch-22**

Joseph Heller

Set during World War II it follows the life of Captain John Yossarian, a U.S. Army Air Forces B-25 bombardier and the his fellow airmen, who attempt to maintain their sanity while fulfilling their service requirements so that they may return home.

May 5th, 2020

**HIP A Novel**

Dr. Bob Bell

This cautionary tale describes the conflict between profitable surgical innovation and the weak approval processes for surgical devices. With extremely powerful forces aligned against him, will a doctor be able to honor his oath? Or will his career be destroyed?
Surgeon Redeployment

I wish to acknowledge the dozens of surgical residents who have served in a redeployment capacity on the front lines in the critical care medicine units assisting with the care of COVID-19 patients.

George Oreopoulos
$500,000 donation towards PPE purchase
COVID-19 ART SHOWCASE

Very swiftly, without reflexive blinking, they removed it
Ending me breath by breath
None were left, I had heard rumors the day before
The world was dying.
Illusion of alarmists, I had thought
Left me now in shock state worse than respiratory failure
As I heard them say it with my own ears
Too old, one of them whispered
Oh, how effortlessly they disconnected it
Remembering not once how youth poured out of my eyes.

Vital capacity, Tidal Volume, PEEP, Pressure Support
Ending me breath by breath
None of his numbers heading in the right direction
The world was dying but I aimed to save everyone.
Illusion of idealists, they had said
Left me now in shock state worse than my patient’s
As I heard them say it with my own ears
Too many patients, and not enough ventilators
Oh, how difficult to disconnect it despite knowing it won’t help
Reminding myself every second it will save someone else.

Amanpreet Brar

CALLING ALL SURGEON ARTISTS
SHOW US YOUR CREATIVITY IN LOCKDOWN

The COVID-19 crisis has been a significant catalyst in stimulating the power of art and harnessing individual creativity. We are looking to showcase your art and bring it to a wider audience. Work will be assembled by Drs. John Semple and Danelle Ogilvie-Harris and featured on the various Department of Surgery outlets (Instagram, Twitter, and department website). We welcome art in all forms*, along with a brief description of its significance to you. This opportunity is open to all trainees, faculty, and alumni.

DEADLINE FOR SUBMISSION: FRIDAY, AUGUST 21ST 2020
Submit via email to: john.semple@vchospital.ca, d.ogilvie.harris@utoronto.ca

*Photography, paintings, drawings, sculptures, digital art forms, poems, haiku, videos, music, etc.
Mind, azure, empty,
Winds rush storm-clouds overhead,
And sweep them away

Ron Zuker

Han Yan

Keegan Guidolin

Joanna Giddens

Luckshi Rajendran

Laura Tate

Paul Muller

Adam Mosa
COVID-19 ART SHOWCASE

Christopher Forrest

Darrell Oglivie-Harris

Han Yan

Emma Avery

Robert Cartotto
EDUCATION AND RESEARCH TEAM 2019-2020

Najma Ahmed  
Vice Chair, Education

Michael Fehlings  
Vice Chair, Research

Ralph George  
Director, Continuing Education

Robin Richards  
Chair, Internal Evaluations Committee

Oleg Safir  
Director, Surgical Skills Centre

Jeremy Hall  
Director, Undergraduate Education

Melinda Musgrave  
Director, Education Evaluation

Ron Levine  
Director, Postgraduate Education
CHAIR RE-APPOINTMENTS

Tom Forbes
Division Chair, Vascular Surgery
Division of Vascular Surgery
University Health Network

Avery Nathens
de Souza Chair in Trauma Clinical Research
Division of General Surgery
Sunnybrook Health Sciences Centre

Carol Swallow
Bernard and Ryan Langer Chair in General Surgery
Division of General Surgery
Mount Sinai Hospital
NEW CHAIR APPOINTMENTS

Peter Dirks
Harold J. Hoffman/Shoppers Drug Mart Chair in Pediatric Surgery
Division of Neurosurgery
Hospital for Sick Children

Tulin Cil
Gattuso Chair in Breast Surgical Oncology
Division of General Surgery
University Health Network

Gelareh Zadeh
Dan Family Chair in Neurosurgery
Division of Neurosurgery
University Health Network
NEW KEY APPOINTMENTS

• **Jas Chahal** - Interim Hospital Head, Orthopaedics, WCH
• **Nancy Baxter** - Head of School of Population and Global Health, University of Melbourne
• **Gelareh Zadeh** - President of the Society for Neuro-Oncology
• **Gail Darling** - Editorial Board, Annals of Surgery
• **David Urbach** - Editorial Board, Annals of Surgery
• **Natalie Coburn** - Editorial Board, Annals of Surgery
• **Armando Lorenzo** - Hospital Head, Urology, HSC
• **Peter Dirks** - Hospital Head, Neurosurgery, HSC
• **Homer Tien** - President and CEO of ORNGE
• **Gregory Borschel** - President ASPN

Department of Surgery Annual Address 2020
NEW KEY APPOINTMENTS

- **Erin Kennedy** - Hospital head, General Surgery, MSH
- **Blake Murphy** - Interim Chief, Plastic & Reconstructive Surgery, SMH
- **Annie Fecteau** - Associate Chief, Quality and Safety, HSC
- **Simon Kelley** - Associate Chief, Perioperative Services, Clinical and Ambulatory, HSC
- **Abhayah Kulkarni** - Associate Chief, Education for Perioperative Services, HSC
- **Sharifa Himidan** - Chair of Pediatric Surgery Examination Board of Royal College of Surgeons
- **Mingyao Liu** - Director, IMS (Re-appointment)
- **Michael Taylor** - Royal Society of Canada Fellowship (Elected)
ACADEMIC PROMOTION - ASSOCIATE PROFESSOR

Tulin Cil
University Health Network
General Surgery

Suneil Kalia
University Health Network
Neurosurgery

Nicole Look Hong
Sunnybrook Health Sciences Centre
General Surgery

Catherine O’Brien
University Health Network
General Surgery
ACADEMIC PROMOTION - ASSOCIATE PROFESSOR

Anne O’Neill
University Health Network
Plastic and Reconstructive Surgery

George Oreopoulos
University Health Network
Vascular Surgery

Ivan Radovanovic
University Health Network
Neurosurgery

Rajiv Singal
Michael Garron Hospital
Urology
ACADEMIC PROMOTION - PROFESSOR

Robert Cusimano  
University Health Network  
Cardiac Surgery

Joel Fish  
Hospital for Sick Children  
Plastic and Reconstructive Surgery

Mohit Kapoor  
University Health Network  
Orthopaedic Surgery

Erin Kennedy  
Mount Sinai Hospital  
General Surgery
PROMOTEOES ZOOM CELEBRATION DINNER

June 9, 2020
ACADEMIC PROMOTION - PROFESSOR EMERITUS

William Williams
Director of CHSS Data Center
Cardiac Surgery
TRANSITIONS FROM CLINICAL PRACTICE!

James Mahoney
St. Michael’s, Unity Health Toronto
Plastic and Reconstructive Surgery

Bernd Neu
North York General Hospital
Plastic and Reconstructive Surgery
CONTINUING APPOINTMENT REVIEWS 2019-2020

Nir Lipsman CAR, September 2019
From L-R: Avery Nathens, Nir Lipsman, Andre Lozano

Savtaj Brar CAR, January 2020
From L-R: Jay Wunder, Savtaj Brar, Carol Swallow, Najma Ahmed, Erin Kennedy
CONTINUING APPOINTMENT REVIEWS 2019-2020

Jeff Wilson CAR, January 2020
From L-R: Najma Ahmed, Julian Spears, Jeff Wilson, Michael Fehlings, Ori Rotstein

Amit Atrey CAR, March 2020
From L-R: Ori Rotstein, Amit Atrey
CONTINUING APPOINTMENT REVIEWS 2019-2020

Sami Chadi CAR, February 2020
From L-R: Carol Swallow, Sami Chadi, Allan Okrainec, Shaf Keshavjee

Luis DaLuz CAR, 2020
Pictured: Luis DaLuz
CONTINUING APPOINTMENT REVIEWS 2019-2020

Bheeshma Ravi CAR, March 2020
From L-R: Avery Nathens, Bheeshma Ravi, Albert Yee and Peter Ferguson

Mohammad Qadura CAR, March 2020
Top row L-R: Ori Rotstein, Najma Ahmed, Middle row L-R: Tom Forbes, Michael Fehlings, Mohammad Quadura, Bottom row: Mohammed Al-Omran
NEW FACULTY RECRUITS

PART-TIME

Christopher Peskun (Orthopaedic Surgery)
Sayf Gazala (Thoracic Surgery)
Mark Zarnett (Orthopaedic Surgery)
Andreas Tassis (General Surgery)
Bojana Radovanovic (Vascular Surgery)

Dmitry Tsvetkov (Orthopaedic Surgery)
Hanmu Yan (Urology)
Leslie Spevack (General Surgery)
Victoria Cheung (Thoracic Surgery)
Sydney Wong (Vascular Surgery)

ADJUNCT

Daniel Abramowitz (General Surgery)
Petar Erdeljan (Urology)
Kristina Lisk (Anatomy)
Shahnoor Ullah (General Surgery)
David Walmsley (Orthopaedic Surgery)

Emil Schemitsch (Orthopaedic Surgery)
Michael Fraser (Urology)
Adele Changoor (Orthopaedic Surgery)
NEW FACULTY RECRUITS

FULL-TIME

Andrea Chan
University Health Network
Plastic & Reconstructive Surgery

Jana Dengler
Sunnybrook Health Sciences Centre
Plastic & Reconstructive Surgery

Ashlie Nadler
Sunnybrook Health Sciences Centre
General Surgery

Kim Tsoi
Mount Sinai Hospital
Orthopaedic Surgery

Jeremy Larouche
Sunnybrook Health Sciences Centre
Orthopaedic Surgery

Reto Baertschiger
Hospital for Sick Children
General Surgery

Blayne Sayed
Hospital for Sick Children
General Surgery

Laura Donohoe
University Health Network
Thoracic Surgery
NEW FACULTY RECRUITS

FULL-TIME

Harman Chaudry
Sunnybrook Health Sciences Centre
Orthopaedic Surgery

Andrew Beckett
St. Michael's Hospital
General Surgery

Si-Hyeong Park
Women’s College Hospital
Orthopaedic Surgery

Ashish Kumar
Sunnybrook Health Sciences Centre
Neurosurgery

Raman Mundi
Sunnybrook Health Sciences Centre
Orthopaedic Surgery

Christopher Witiw
St. Michael's Hospital
Neurosurgery

Ryan Paul
University Health Network
Plastic & Reconstructive Surgery

David Barron
Hospital for Sick Children
Cardiac Surgery
A Banner Year in the Department of Surgery!
$2,914,119 in new pledges and gifts

326 unique donors (majority alumni and faculty), 415 pledges, and 31 major donors ($25,000+)

Creation of Hold’em For Life Fellowships in partnership with the Princess Margaret Cancer Foundation which benefits the Surgeon Scientist Training Program (SSTP)

Established the Mark Daniels Fund in Vascular Research

Established the Angelo and Christina Marzilli SSTP Scholarship

Endowed the Dr. Wayne Carman Surgeon Scientist Trainee Award

Endowed the Dr. Robert Maggisano SSTP Scholarship
MCCAIN GENITOURINARY (GU) BIOBANK CELEBRATION

October 17th, 2019

David Palmer, James Rutka, Trevor Young, Meric Gertler, Michael McCain, Jill Kantelberg, Neil Fleshner, Kevin Smith and Michael Burns
Supporting Strategies: Communication, Awards and Evaluations, Advancement
2020 RESEARCH COMMITTEE

Dr. Michael Fehlings
Vice Chair Research, Surgery Neurosurgery
TWH, UHN

Mrs. Val Cabral
Research Program Manager

Dr. Douglas Cheung
Urology PhD SSTP

Dr. Marcelo Cypel
Thoracic Surgery TGH, UHN

Dr. Kristen Davidge
Plastic & Reconstructive Surgery Sick Kids

Dr. Peter Dirks
Neurosurgery Sick Kids

Dr. Thomas Forbes
Chair, Vascular Surgery TGH-UHN

Dr. Rebecca Gladdy
Surgical Oncologist Mount Sinai Hospital

Dr. Laureen Hachem
Neurosurgery PhD SSTP

Dr. Marc Jeschke
Director, Translational Research Plastic & Reconstructive Surgery SHSC

Dr. Andras Kapus
Associate Vice Chair Research

Mrs. Val Cabral
Research Program Manager

Dr. Ren-Ke Li
Cardiovascular Surgery UHN

Dr. Andrea McCart
General Surgery Mount Sinai Hospital

Dr. Paul Karanicolas
General Surgery Sunnybrook

Dr. Girish Kulkami
Urology PMH-UHN

Dr. Andras Kapus
Associate Vice Chair Research

Dr. Hong-Shuo Sun
Associate Professor Anatomy

Dr. Andrea McCart
General Surgery Mount Sinai Hospital

Ms. Effy Ordon
Senior Development Officer Advancement Office Faculty of Medicine University of Toronto

Dr. James Rutka
Chair, Department of Surgery Neurosurgery Sick Kids

Dr. Hong-Shuo Sun
Associate Professor Anatomy

Dr. Albert Yee
Orthopaedics OS Vice Chair Research SHSC

Dr. Paul Karanicolas
General Surgery Sunnybrook

Mrs. Val Cabral
Research Program Manager

Dr. Hong-Shuo Sun
Associate Professor Anatomy

Dr. Albert Yee
Orthopaedics OS Vice Chair Research SHSC

Department of Surgery Annual Address 2020
SSTP/SIS GRADUATE SURVEY 2020

Total enrolled since 1983: 448

Degrees received

- MSc: 181
- PhD: 122
- MEd: 19
- MASc: 7
- MPH: 3
- PDF: 3
- DPhil: 2
- MBA: 2
- MPHE: 1
- MHSc: 1

July 2020 enrolled:
- Continuing: 39
- New: 10
- Total: 49

Scholarship in Surgery (SIS):
- MPH: 1
- MSc: 1
- MBA: 3
## SSTP Training Program 2020

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<tr>
<th>DIVISION</th>
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<tr>
<td>Vascular Surgery</td>
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### SSTP TRAINING PROGRAM FUNDING

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<tr>
<th>Period</th>
<th>Ministry of Health</th>
<th>Pharmaceutical Company Support/Shortfall</th>
<th>Postgraduate Medical Education Awards</th>
<th>Supervisor Support</th>
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<td>2019-2020</td>
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NEW SSTP AWARDS

Wayne Carman
Wayne Carman Surgeon Scientist Trainee Award
Plastic & Reconstructive Surgery

Giuseppe Papia
Angelo & Christina Marzilli Scholarship in Vascular Surgery
Vascular Surgery

Robert Maggisano
Robert Maggisano SSTP Scholarship in Vascular Surgery
Vascular Surgery
RESEARCH GRANTS & CONTRACTS 2015-2019

- 2015-16: $87,439,358
- 2016-17: $93,553,660
- 2017-18: $88,260,483
- 2018-19: $86,795,059
- 2019-20: $89,225,463

Department of Surgery Annual Address 2020
HIGH IMPACT PUBLICATIONS

Subodh Verma
New England Journal of Medicine, Cell Metabolism

Nir Lipsman
Lancet Neurology

Michael Taylor
Nature x 2, Nature Genetics, Nature Medicine, Nature Neuroscience

Gelareh Zadeh
Nature

Nancy Baxter
Lancet Oncology

Steve Gallinger
Nature Genetics

Jay Wunder
Nature Genetics

Michael Taylor/Peter Dirks
Nature Genetics

Michael Tymianski
Lancet

A MILESTONE ACHIEVEMENT

Michael Taylor
Clarivate List of Highly Cited Investigators
CODIFYING THE SURGEON SCIENTIST TRAINING PROGRAM

Research review

Navigating the Postgraduate Research Fellowship: A Roadmap for Surgical Residents

Kevin J. Zuo, MD, MASc, a Ying Meng, MD, b,c Lauren Gordon, MD, MSc, d,e,f Tomas J. Saun, MD, MASc, a Amine Mazine, MD, MSc, g,e Christopher S. Ahuja, MD, b,c Nir Lipsman, MD, PhD, b James T. Rutka, MD, PhD, b,h and Michael G. Fehlings, MD, PhD b,c,i,j,*
Hold’em for Life Oncology Clinician Scientist Award

$16.4M to establish a fellowship program in UofT’s Faculty of Medicine

15 SSTP’s supported: Zubair Bayat; Douglas Cheng; Robert Grant; Alexander Gregor; Keegan Guidolin; Otto Hemminki; Kyle Jurascha; Paulo Kayano; Wanda Marini; Ying Meng; Gregory Nason; Farshad Nassiri; Christopher Noel; Khaled Ramadan; Michael Taccone
CACMS On-Site Accreditation Visit November 2 - 6 2020

Accreditation Preparations

- Concern with undergraduate education based on the last Annual Report: insufficient learning resources.
- Solution: Huge revamp of the SRG310Y course website: numerous virtual learning components have been added, including recorded lectures.
- Virtual Accreditation Process
- Follow-up site visit December 7th

Curriculum Changes

- Central Seminars are now happening virtually
- Virtual Mentorship Program
FOCUS ON MEDICAL STUDENTS

Breakfast with the Chair!
UTM, February 5th, 2020
FOCUS ON MEDICAL STUDENTS

Breakfast with the Chair!
Department of Surgery Board Room, January 15th, 2020
Accreditation Preparations

• Workshops preparing for Accreditation Visit ongoing
• Meeting with Survey Team (October 13 - 29, 2020)
• Pre-Accreditation Meetings ongoing
• New Accreditation Standards
• The Accreditation Management System
• Transitioning to Competency by Design (CBD)
• Institutional Review Process
• Areas of Focused Competence

Curriculum Changes

• Surgical Foundations Lecture Series delivered virtually
• First lecture of the new academic year, September 8, 2020
• Lecture schedule: https://surgery.utoronto.ca/surgical-foundations-0
Environmentally Sustainable Operating Rooms

Together with the Centre for Sustainable Health Systems, the Best Practice in Surgery is developing a guideline to help increase the Environmental Sustainability of Operating Rooms. The working group has representatives from the U of T hospitals including stakeholders from Surgery, Anesthesiology, Nursing, and Administration.
Current Work

Management of Patients undergoing Abdominal Surgery during COVID-19

Under the leadership of Dr. Anthony De Buck, a group of UofT General Surgeons are developing a guideline on how to safely operate in the era of COVID-19. To date, we have conducted a literature review and drafted recommendations. The recommendations will then be reviewed by other stakeholders including ID experts, anesthesiologists, and nurses and then undergo a modified Delphi to come to consensus.
2019 Accomplishments

Guideline on the Prescription of Pain Medication at Discharge after Elective Surgery

- Led by Dr. Hance Clarke - collaboration between the Depts of Anesthesia and Surgery.
- Surveyed residents and surgeons to better understand current practices with regards to prescribing opioids at the time of discharge. We found that there was significant overprescribing and a need for more guidance.
- Provides recommendations for pain medication at discharge

Postoperative opioid-prescribing patterns among surgeons and residents at university-affiliated hospitals: a survey study

Akash Gooi, MD
Adina Feinberg, MD
Brandon McGuiness, MD
Sav Brar, MD
Sanjho Srikandarajah, MD
Emily Pearsall, MSc
Robin McLeod, MD
Hance Clarke, MD, PhD

Background: Overprescribing of opioids to patients following surgery is a public health concern, as unused pills may be diverted and contribute to opioid misuse and dependence. The objectives of this study were to determine current opioid-prescribing patterns for common surgical procedures, factors that affect surgeons’ prescribing behaviour, and their perceived ability to manage patients with opioid use disorder.

Methods: Survey participants included all consultant and trainee surgeons at the University of Toronto. The survey, which was administered electronically, included 52 multiple-choice, rank-order and open-ended questions eliciting information on current prescribing patterns, prescribing of adjunct pain medications, and education and other factors related to opioid prescribing. Staff surgeons were also asked about how they manage patients with a suspected opioid use.
2019 Accomplishments

Adhesive Small Bowel Obstruction Water-Soluble Contrast Guideline

- Led by Dr. Ashlie Nadler - developed to give recommendations on how to assess a small bowel obstruction to determine whether the patient can be managed non-operatively and thus avoid unnecessary surgery and be discharged home sooner or if the patient requires surgery. The guideline is currently submitted for publication.

- To accompany the pathway, the Best Practice in Surgery app has an interactive tool that allows residents to enter information about their patient in real time and provides reminders to help adhere to the appropriate timing laid out in the pathway.
Dr. Najib Safieddine conducted the 4th resident QI course for all first-year surgery residents. As well, he started a QI course for Fellows that is now in its second year. For both courses, students learn QI principles and are paired with a mentor who assists them in conducting a QI project over the course of the year.