Annual Report 2016–2017

Obstetrics & Gynaecology
UNIVERSITY OF TORONTO
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ORGANIZATIONAL STRUCTURE

John Kingdom
Department Chair

Gareth Seaward
Vice Chair, Quality Improvement & Patient Safety (QIPS)

Rachel Spitzer
Vice Chair, Global Women's Health & Advocacy

Heather Shapiro
Vice Chair, Education

Kellie Murphy
Vice Chair, Research

Education

Filomena Meffe
Faculty Development

Rajiv Shah
Program Director, Undergraduate Education

Michele Farrugia
Residency Program Director

Rory Windrim
Continuing Professional Development

Nelson Cabral
Business Manager

Jeannette Moniz
Undergraduate Program Coordinator

Caroline Sutherland
Residency Program Coordinator

Joseph George
Fellowship Coordinator

Research

Mark Yudin
Director, Clinical Research

Theodore Brown
Deputy Chair, Research Committee

Kristen Gane
Academic Appointments Assistant

Irisz Paupera
Department Executive Assistant

Divisions

Arthur Zaltz
Core OB/GYN

Allan Covens
Gynaecologic Oncology (GynOnc)

Theodore Brown
Reproductive Endocrinology & Infertility (REI)

Filomena Meffe
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MISSION STATEMENT

Our Mission
Our mission is to generate game-changing research, improve standards of care, advance public policy, and prepare the physicians and leaders of tomorrow in ways that transform the health of women locally, nationally and around the world.

Our Vision
As a unified department, we aim to develop, fully leverage and integrate ground-breaking research, knowledge and practice in obstetrics and gynaecology from across our extensive network to transform women’s health locally, nationally and around the world.

The Department would like to thank the following individuals for their contributions to the creation of this report:

- Nelson Cabral
- Irisz Paupera
- Jeannette Moniz
- Caroline Sutherland
- Kristen Gane
- Joseph George
- Ashley Lanys
- Michael Browne
MESSAGE FROM THE CHAIR

Welcome to our 2016-2017 Annual Report prepared by our Communications Specialist, Michael Browne. This is the 4th report from me as Chair. Each forms the basis for our Self-Study report, covering the 5-year period 2012-2017, in advance of our External Review, February 26-27, 2018.

Continuing our tradition of celebrating our trainees, our report showcases our expanding summer student program, guided by our Research Committee.

This year we had 8 University of Toronto medical students participate in the CREMS Summer Student Research program, with an additional 11 students supported via the Chair’s Summer Student program. You can read about their projects in this report at pages 43–52.

Thanks to the leadership of Filomena Meffe and her team, we had a very successful and well-attended Faculty Professional Development Day at Vaughan Estates on November 11, 2016. Our guest speakers were Dr. Brian Murray, who spoke about “Sleep: Your Health and Clinical Practice” and Dr. Karen Leslie, who spoke about how to ensure that academic careers are both successful and fulfilling. The theme for the day was exploring topics on faculty mentorship and wellness. The day concluded with our awards ceremony, where yet again, many talented individuals across all our hospital sites were recognized for their outstanding contributions. This year’s recipients of our Education and Research Awards and our Undergraduate and Postgraduate Teaching Awards are listed in this report at page 66.

We have continued to formally celebrate our faculty members who were successful with their Senior Promotions, effective July 1st, 2017. Dr. Ellen Greenblatt was promoted to full Professor. Consequently in the past 4 years, 6 out of 7 of our newly-minted full professors have been women, sending an important signal of encouragement to our trainees and junior faculty members.
In December 2016, Dr. Donna Steele received our Department’s APOG Carl Nimrod Educator of the Year Award.

Research Day in May 2017 was yet another great success, with over 100 abstracts and over 300 attendees. My deep thanks to Nelson Cabral, the administration team, and hospital administrators and volunteers, for their superb contribution to the smooth execution of this event which remains a highlight in our year. Special thanks go to our Vice Chair, Research, Kellie Murphy, and her committee, especially to Ted Brown and Mark Yudin, who together with our administration team orchestrated a world-class event, scientifically on par with any international meeting. Dr. Dorothy Shaw from the University of British Columbia was our Henderson Lecturer with the title, “How Evidence Informs Advocacy for Women’s Health: A Lifelong Journey.”

The Department continues to support the key transition from senior trainee to junior faculty position in their first 3–4 years. Each award provides support in the form of protected academic time. This past academic year, we awarded Dr. Stefania Ronzoni, a new faculty member at Sunnybrook Health Sciences Centre, with a Junior Faculty Award for three years.

In June 2017, we concluded our academic year with our annual Graduation and Alumni Event. This time we had over 260 graduates, their families, and faculty members in attendance. Many thanks to our past-Chair, Dr. Alan Bocking, for his thoughtful address to the graduates. We were delighted that one of our oldest residency training program graduates, Dr. Bill Whittaker (graduated 1959), was in attendance with his daughter, and came to the microphone to share a few words of wisdom.

This summer a total of 13 trainees completed their PGY5 year, transitioning to specialists in Obstetrics & Gynaecology. They were accompanied by an additional 27 sub-specialists, graduating following completion of one or more years of clinical fellowship training. At the evening, Dr. Alan Bocking also gave a wonderful expression of thanks to Dr. Donna Steele, who was a fantastic residency program director for the period 2012–2017. She is followed by Dr. Michele Farrugia.

Our 2018 Alumni and Graduation event will also be held at Hart House on June 14th. This event will be made special by the presentation and launch of our publication documenting the 175-year history of the Department of Obstetrics & Gynaecology at the University of Toronto. I do hope that you will mark your calendars to come to this event, concluding my initial 5-year appointment as Department Chair.

I would like to briefly focus on and thank our excellent administration team here at 123 Edward Street, led by our Business Officer, Nelson Cabral.

As of summer 2016, we welcomed Ms. Ashley Lanys to focus on supporting our Global Health initiatives under the direction of Dr. Rachel Spitzer.

Each of our 5 areas of focus identified in our strategic plan 2014–2019 continues to develop. This year, our Global Women’s Health program at Moi University, in Eldoret, Kenya, celebrates its 10th anniversary under the direction of our Vice Chair in Global Women’s Health and Advocacy, Dr. Rachel Spitzer in partnership with our field director, Dr. Astrid Christoffersen-Deb. In June 2017, I am pleased to report that the Kimel Foundation generously agreed to extend their support for a further 4 years, allowing us to equally support our efforts to provide sub-specialty training in both Gynaecologic Oncology and in Maternal-Fetal Medicine. You can read more about this expanding connection between our university and Kenya on pages 37–38 and on our website. We actively encourage faculty members to consider contributing to this valued program.

I would also like to congratulate the following individuals who received their faculty appointment in the 2016–2017 academic year:
Dr. Robert Casper, former Head of the Division of Reproductive Endocrinology and Infertility (REI) at Toronto General and Mount Sinai Hospitals until 2003, became Emeritus Professor on July 1st, 2017. Bob is an internationally renowned and highly innovative REI academic. Bob went on to establish the TCART REI facility, together with his clinical fellowship in Reproductive Sciences, and continued his research career as a Scientist at the Lunenfeld Tanenbaum Research Institute at Mount Sinai Hospital. In 2014, TCART merged with LifeQuest to form TRIO where his fellowship training program will continue until June 30th, 2019. We thank Bob for distinguishing our Department at the national and international levels over many years. Our strong REI Division today owes much to his talented contributions.

I hope you enjoy the various sections of this report. Our next communications will be our 5-year self study report, followed then by the launch of our 175-year history in June 2018. As this major anniversary approaches for Canada’s largest and premier Department, I sign off with my sincere thanks to you all, for your commitments to excellent patient care, your countless hours of student and resident instruction, and your efforts to deliver impactful research.

Best wishes,

John C.P. Kingdom, M.D.
Gordon C. Leitch Chair
Department of Obstetrics & Gynaecology
Our People: Faculty, Staff, & Trainees 2016–2017
PRIMARY APPOINTMENTS

Nir Melamed
L. Ray Osborne**
Richard Pittini
Ian Rogers
Stefanía Ronzoni*
Heather Shapiro
M. Jonathan Solnik
Rachel Spitzer
Michael Sved
Artin Ternamian
Paul Thistle
Tim Van Mieghem
Suzanne Wong
Mark Yudin
Arthur Zaltz

** New Promotion
~ Left the department Dec 31st

* New Appointment

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** Professors Emeriti**
S. Lee Adamson
Alan D. Bocking
Rudi Borth
Robert F. Casper
AD (Denny) De Petrillo
Terence Doran
Douglas J. Gare
Mary E. Hannah
Walter J. Hannah
Gordon M. Lickrish
Ron A. Livingstone
JE (Ted) Morgan
Jerry Shime

** Professors**
Lisa Allen**
Jon Barrett
Paul Bernstein

---

** Associate Professors Emeriti**
Titus Owolabi

---

** Professors**
Jennifer Blake
Theodore J. Brown
Isabella Caniggia
Allan L. Covens
Dan Farine
Michael Geary
John Kingdom, Chair
Stephen Lye
K. Joan Murphy
Kellie E. Murphy**
Andras Nagy
Nanette Okun**
Craig Pennell
Felice Petraglia
J.W. Knox Ritchie
Barry Rosen
Greg Ryan
Gareth R. Seaward
Mathew Sermer
R. Michael Shier
Rory Windrim
Wendy Wolfman

---

** Associate Professors**
May Alarab
Howard Berger
Marcus Bernardini
Janet Bodley
Adrian Brown
Christine Derzko
Sarah Ferguson
Alan Gerulath
Lilian Gien**
James Goodwin
Ellen Greenblatt
Elaine Herer
Andrea Jurisicova
Sari Kives
Rose Kung
Nucelio Lemos*
Clifford L Librach
Kay Lie
Danny Lovatsis
Cynthia Maxwell
Filomena Meffe

---

** Assistant Professors**
Hani Akoury
Rebecca Arthur**
Olukele Badmos
Allison Ball*
Marshall Barkin
Yaakov Bentov
Anne Berndl
Dalip K. Bhangu
Genevieve Bouchard-Fortier*
Nicolette Caccia
Kenneth Cadesky
Crystal Chan
Astrid Christoffersen-Deb
Dennis K. Chu
E. Anne Claessens
Howard Cohen
Barbara Cruickshank
Marie Czikk
Rohan D’Souza
Marjorie Dixon
Jason Dodge
Xuesen Dong
Nancy Durand
William A. Easton
Frederic A. Engle
Michele Farrugia
Tomer Feigenberg
Helena Frecker*

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* New Appointment
** New Promotion
~ Left the department Dec 31st
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<th>Lecturers</th>
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<tr>
<td>Prati Sharma</td>
<td>Jennifer Cram</td>
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<td>Lindsay Shirreff</td>
<td>Joseph Cramer</td>
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<td>Eliane Shore</td>
<td>Lanval (Joe) Daly</td>
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<td>Oksana Shynlova</td>
<td>Paul Davies*</td>
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<td>Sony Sierra</td>
<td>Kristina Dervaitis</td>
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<td>Mara Sobel</td>
<td>Karthika Devarajan</td>
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<td>Dana Soroka</td>
<td>Phaedra Diamond</td>
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<td>Donna Steele</td>
<td>Anthony Di</td>
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<td>Wilf Steinberg</td>
<td>Pierdomenico</td>
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<td>Karen Tessler</td>
<td>Patricia Doyle</td>
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<td>Bruce W. Thomas</td>
<td>Marianne R. Duemler</td>
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<td>Jackie Thomas</td>
<td>May ElHaj</td>
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<td>Modupe Tunde-Byass</td>
<td>Eve Fried*</td>
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<td>Danielle Vicus</td>
<td>Louise–Hélène Gagnon</td>
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<td>Fay Weisberg</td>
<td>Maja Gans</td>
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<td>Wendy Whittle</td>
<td>Dimitrios Giannoulias</td>
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<td>Georgina Wilcock**</td>
<td>Sheldon Girvitz*</td>
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<td>Herb Wong</td>
<td>Gwendolyn Goodrow</td>
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<td>Brenda T. Woods</td>
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<td>Michelle Jacobson</td>
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<td>Leah Jutzi*</td>
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<td>Quynh Le*</td>
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<td>Sabrina Lee</td>
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<td>Priya Sharma*</td>
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<td>Samuel Soliman*</td>
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<td>Anne Walsh</td>
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<td>Laura White*</td>
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<td>Jeremy C. Wong</td>
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<td>Vincent Wu</td>
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<td>Gonzalo Fernando</td>
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<td>Lynne Zolis</td>
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CROSS APPOINTMENTS

Professors Emeriti
Michelle Letarte, Immunology
Terence Colgan*, Laboratory Medicine & Pathobiology

Associate Professors Emeriti
Sarah Keating*, Laboratory Medicine & Pathobiology

Professors
Denise Belsham, Physiology
José Carvalho, Anesthesia
William B. Chapman, Laboratory Medicine & Pathobiology
David A. Chitayat, Paediatrics
Terence Colgan, Laboratory Medicine & Pathobiology
Jack Marc Colman, Medicine – Cardiology
Anthony W. Fyles, Radiation Oncology
Stephen Halpern, Anaesthesia
Kevin Kain, Medicine
Mahmoud Khalifa, Laboratory Medicine & Pathobiology
Shoo Lee, Paediatrics
Stephen Matthews, Physiology
Steven Narod, Public Health Sciences
Amit Oza, Medicine
Joel Ray, Medicine
Gail Robinson, Psychiatry
Patricia Shaw, Laboratory Medicine & Pathobiology
Sam Siu, Medicine
Donna Stewart, Psychiatry

Gillian Thomas, Radiation Oncology
Ants Toi, Medical Imaging
Rosanna Weksberg, Molecular Genetics

Associate Professors
Ida Ackerman, Radiation Oncology
Elizabeth Asztalos, Paediatrics
Mrinalini Balki, Anesthesia
Adalsteinn Brown, Health Policy, Management & Evaluation
Michael Dunn, Paediatrics
Denise Feig, Medicine
Katherine Fong, Medical Imaging
Phyllis Glanc, Medical Imaging

Evelyn Lambe, Physiology
Stephen Holzapfel, Family & Community Medicine
Sarah Keating, Laboratory Medicine & Pathobiology
Elena Kolomietz, Laboratory Medicine & Pathobiology
Evelyn Lambe, Physiology
Carl Laskin, Medicine
Jose Sarrazin, Medical Imaging
Michael Sgro, Paediatrics
Candice Silversides, Medicine
John Sled, Medical Biophysics
Rachel Wald, Paediatrics
Shui Eugene Yu, Medical Imaging

Assistant Professors
Tony Barozzino, Paediatrics
Karen Chong, Paediatrics
Brian Cox, Physiology
Mike Seed, Paediatrics
Martin Skidmore, Paediatrics
Sandra Viero, Laboratory Medicine & Pathobiology

Lecturers
Fern Small, Psychiatry
Nina Venkatramangam, Family & Community Medicine
ADMINISTRATIVE STAFF

Nelson Cabral,
Business Manager

Irisz Paupera,
Department Executive Assistant

Jeannette Moniz,
Undergraduate Program Coordinator

Caroline Sutherland,
Residency Program Coordinator

Kristen Gane,
Academic Appointments Assistant

Joe George,
Fellowship Programs Coordinator

RESIDENTS

Postgraduate Year 1
Kailyn Brandon Sutherland
Shirin Dason
Pavan Gill
Shira Jaclyn Gold
Kinshuk Kumar
Stephanie Lapinsky
Alisha Olsthoorn
Sara Porisky
Emma Skolnik
Jessica Smith
Geoffrey Zeni

Postgraduate Year 2
Mohammad Albar
Meghan Brown
Michael Chaikof
Rebecca Cherniak
Humara Edell
Vishaal Gupta
Anjali Kulkarni
Siddhi Mathur
Elizabeth Miazga
Sarah Norris
Carolyn Reardon
Shabnam Sattari Khavas
Brenna Swift
Rebecca Zur

Postgraduate Year 3
Tamara Abraham
Laura Cancelliere
Rita Chuang
Maria Cusimano
Darl Edwards
Brittany Hoover
Thomas Jordan
Karen Levy
Katherine McLean
Tumushabe Mutungi
Leslie Proctor
Neetika Sidana
Heather Sullivan
Evan Tannenbaum
Marina Vainder
Melissa Walker

Postgraduate Year 4
Sophie Bussiere-Cote
Kristin Harris
Lesley Hawkins
Lauren Jain
Marian Leung
Sonali Lokuge
Amanda Michael
Andra Nica
Lauren Philp

Postgraduate Year 5
Marie Christakis
Lara Gotha
Lacey Harding
John Ibrahim
Ingrid Lai
Adrienne Li
Mathew Leonard
Carmen McCaffrey
Chaula Mehta
Julie Nguyen
Kirsten Niles
Rebecca Rich
Aparna Sarangapani
Lynn Sterling
Marta Wais
Jellena Wong
CLINICAL FELLOWS

Advanced High-Risk Obstetrics
Director: Howard Berger
Fellows: Yael Ganor, Dana Vitner

Advanced Obstetrics
Director: Dini Hui
Fellow: Maayan Bas-Londo

Gynaecologic Reproductive Endocrinology & Infertility (RCPCSC)*
Director: Kimberly Liu
Fellows: Jason Elliott, Tamas Gotz

Gynaecologic Endoscopic Surgery
Director: Mary Melchior
Fellow: Vicky Hadid

Gynaecologic Oncology (RCPCSC)*
Director: Stephane Laframboise
Fellow: Harinder Brar

Maternal-Fetal Medicine (RCPCSC)*
Director: Cynthia Maxwell
Fellows: Nirmala Chandrasekaran, Shimrit Yaniv Salem, Yair Sagi, Stefania Ronzoni, Hanan Alsheh, Rasheeda Al Tourshi

Mature Women’s Health & Menopause
Director: Wendy Wolfman
Fellow: Lina Huang

Minimally Invasive Gynaecologic Surgery (AAGL)**
Director: Herb Wong
Fellow: Brian Liu

Minimally Invasive Gynaecologic Surgery
Director: Deborah Robertson
Fellows: Grace Yeung, Aisha Yousuf

Paediatric & Adolescent Gynaecology
Director: Sari Kives
Fellow: Carol King

Perinatal
Director: Cynthia Maxwell
Fellows: Gharid Nourallah Bekdache, Nili Isserles, Gabrielle Cassir

Reproductive Sciences
Director: Robert Casper
Fellows: Tzu-Bou Hsieh, Jigal Haas, Genevieve Genest

Reproductive Sciences & Infertility
Director: Clifford Librach
Fellow: Khalid Zohni

Urogynaecology & Reconstructive Pelvic Surgery
Director: Danny Lovatsis
Fellow: Andrea Santiago

Global Women’s Health and Equity
Director: Rachel Spitzer
Fellow: Heather Millar

* Royal College of Physicians and Surgeons of Canada accredited
** American Association of Gynaecologic Laparoscopists

COMMITTEES

Executive Committee
John Kingdom, Chair
Lisa Allen, Chair, Promotions Committee
Head, Division of Paediatric & Adolescent Gynaecology

Adrian Brown,
Community Affiliate Hospital Representative;
Chief, North York General Hospital

Ted Brown, Head,
Division of Reproductive Endocrinology & Infertility;
Deputy Chair, Research Committee

Michael Geary, Chief,
St. Michael’s Hospital
Patricia Lee, Interim
Head, Division of Urogynaecology

Kellie Murphy,
Vice Chair, Research

Nanette Okun,
Head, Division of Maternal-Fetal Medicine

Filomena Meffe, Director,
Faculty Development

Allan Covens,
Head, Division of Gynaecologic Oncology

Rajiv Shah,
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Vice Chair, Quality Improvement and Patient Safety (QIPS)

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Tiffany Zigras
Rebecca Zur

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Mount Sinai Hospital/
University Health Network/
Women’s College Hospital

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Vice Chair, Global Women’s Health

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Rory Windrim, Director,
Continuing Professional Development

Mark Yudin, Chair,
Research Committee; Director, Clinical Research

Arthur Zaltz, Chief,
Sunnybrook Health Sciences Centre; Chair, Department Appointments Committee


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Kellie Murphy
Nathan Roth
Abheha Satkunaratnam
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Heather Shapiro
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**Committees**

**Committee**

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- Theodore Brown
- Adrian Brown
- Lilian Gien
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- Nathan Roth
- Abheha Satkunaratnam
- Mathew Sermer
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Adrian Brown
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Kellie Murphy
Nathan Roth
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Mathew Sermer
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Suzanne Wong

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Mathew Sermer
Jonathan Solnik

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Dini Hui
Sari Kives

**Stephane Laframboise**
**Patricia Lee**
**Clifford Librach**
**Kimberly Liu**
**Danny Lovatsis**
**Cynthia Maxwell**
**Mary Melchior**
**Ally Murji**
**Deborah Robertson**
**Jonathon Solnik**
**Rachel Spitzer**
**Wendy Whittle**
**Wendy Wolfman**
**Herb Wong**

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Sarah Ferguson
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Mathew Sermer
Rachel Spitzer
Rory Windrum
Arthur Zaltz

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Hani Akoury
Lisa Allen
Jon Barrett
Adrian Brown
Stacy Costa
Jennifer Cram
Remi Ejwunmi
Elaine Herer
Colleen McDermott

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Theodore Brown
Isabella Caniggia
Crystal Chan
Kristin Connor
Allan Covens
Brian Cox
Maria Cusimano
Rohan D’Souza
Sarah Ferguson
Sari Kives
Noor Ladhani
Clifford Librach
Stephen Lye
Siddhi Mathur
Stephen Matthews
Colleen McDermott
Kellie Murphy
John Snelgrove
Frances Wong

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Anjali Aggarwal
Clarissa Bambo
Janet Bodley
Ali Corbay
Lilian Gien
Shira Gold
Shapiro Heather
Dini Hui
Sari Kives
Marian Leung
Karen Levy
Elizabeth Miazga

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Avneet Bening
Koo Chun
Maria Cusimano
Karthika Devarajan
Nicole Gibbings
Ronnie Hakim
Dini Hui
Yolanda Kirkham
Brian Liu
Robert MacKenzie
Haidar Mahmoud
Filomena Meffe
Eva Mocarski
Lauren Philip
Richard Pittini
Dima Saab
Kiran Sahi
Heather Shapiro
Michal Sheinis
Mara Sobel
Dana Soroka
Scott Tigert
Danielle Vicus

Andra Nica
Abheha Satkunaratnam
Amanda Selk
Azra Shivji
Donna Steele
Mark Yudin
Lynne Zolis

ANNUAL REPORT 2016/17  13
Hospital Statistics
# Hospital Statistics

July 1st, 2016 to June 30th, 2017

<table>
<thead>
<tr>
<th></th>
<th>SMH</th>
<th>MSH/UHN</th>
<th>SHSC</th>
<th>TEGH</th>
<th>SK</th>
<th>NYGH</th>
<th>SJHC</th>
<th>THP</th>
<th>WCH</th>
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<tr>
<td>Total Deliveries</td>
<td>2,738</td>
<td>6,494</td>
<td>4,249</td>
<td>2,891</td>
<td>NA</td>
<td>5,524</td>
<td>3,277</td>
<td>8,531</td>
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<tr>
<td>Caesarean-Section Rate</td>
<td>29.4%</td>
<td>37%</td>
<td>38%</td>
<td>28.8%</td>
<td>NA</td>
<td>29%</td>
<td>28.6%</td>
<td>25.8%</td>
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<tr>
<td>Total Gynaecology Procedures (major and minor)</td>
<td>1,344</td>
<td>2,619</td>
<td>3,092</td>
<td>1,755</td>
<td>136</td>
<td>4,180</td>
<td>1,257</td>
<td>8,271</td>
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<td>Clinic Visits (excluding private office visits)</td>
<td>54,855</td>
<td>160,205</td>
<td>16,871</td>
<td>10,436</td>
<td>2,351</td>
<td>29,031¹</td>
<td>9,530¹</td>
<td>4,445</td>
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<td>Number of Obstetrics Beds</td>
<td>22¹</td>
<td>64</td>
<td>26</td>
<td>33</td>
<td>NA</td>
<td>52</td>
<td>30</td>
<td>87⁴</td>
<td>NA</td>
</tr>
<tr>
<td>Number of Gynaecology Beds</td>
<td>9</td>
<td>10</td>
<td>1</td>
<td>59²</td>
<td>0</td>
<td>39²</td>
<td>67⁵</td>
<td>10</td>
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1. Does not include an additional 10 Labour, Delivery, Recovery, and Postpartum (LDRP) beds
2. Shared with other surgical specialties
3. Includes breastfeeding clinic, colposcopy clinic, C-section prep clinic, non-stress test clinic, non-stress test assessment clinic, private hospital tour, RhoGAM injection clinic, Family Birth Centre assessment clinic, FBC Foley Induction clinic, FBC obstetrical consults clinic, FBC prenatal clinic, FBC social work clinic
4. Includes 27 birthing suites
5. No gyn-designated beds; gyn surgeries go into surgery-designated beds

**SMH**
St. Michael’s Hospital

**MSH/UHN**
Mount Sinai Hospital/University Health Network

**SHSC**
Sunnybrook Health Sciences Centre

**TEGH**
Toronto East General Hospital/Michael Garron Hospital (newly named as of Dec 2, 2015)

**SK**
SickKids

**NYGH**
North York General Hospital

**SJHC**
St. Joseph’s Health Centre

**THP**
Trillium Health Partners (Credit Valley Hospital, Mississauga Hospital and Queensway Health Centre)

**WCH**
Women’s College Hospital

**NA**
Not Available/Applicable
Division Reports
We are committed to providing excellent comprehensive care to our patients through a holistic lens, using an evidence-based approach. Our mandate is to impart the foundational knowledge, judgment, attitudes, and clinical skills necessary for our graduates to enter practice or pursue further sub-specialty training.

The Core Division includes members from the 3 major teaching sites: SHSC, SMH, MSH, and Trillium Health Partners, physicians from our long-standing community teaching sites (TEGH, SJHC, NYGH), and a growing number from other community centres across the GTA. With the granting of academic appointments to core specialists at the William Osler, site as well as the Scarborough Hospital, our divisional size has further grown.

Core specialists have had a major impact in the area of medical education. Dr. Michele Farrugia is the Program Director for Postgraduate Medical Education and Dr. Rajiv Shah is our Undergraduate...
Director. Dr. Janet Bodley serves as the Faculty and Resident Wellness Director and Dr. Richard Pittini is the Director of Evaluations, Undergraduate Medical Education, University of Toronto, and Director and the Vice Chair of the Examination Board at the RCPSC. Many other members serve on the Examination Board of the RCPSC as well.

Core specialists have also become leaders in the area of Quality Improvement and Patient Safety. Dr. Amanda Cipolla is leading a local QI project that will be taken up by the SOON network in looking at caesarean section for failure to progress.

Dr. Rachel Spitzer serves as the Vice Chair of Global Women’s Health Program and Dr. Mark Yudin is the Head of the Clinical Research Committee.

Within the Division, there is excellence in MIGS (minimally invasive gynaecologic surgery), resulting in a trend away from open hysterectomy and myomectomy to a minimally invasive approach. This has led to improved patient satisfaction, safety, and reduced length of stay. The last few years have seen a surge in the grant funding and academic productivity within the MIGS group. Within this group there is expertise in managing complex surgery for the management of deeply infiltrating endometriosis. SMH offers robotic surgery for women with Stage 1 endometrial cancer and a high BMI.

There are city-wide MIGS rounds as well as collaboration amongst sites in research. 4 of our teaching hospitals train fellows in MIGS. Our MIGS surgeons are internationally recognized at the AAGL and SLS meetings, where they have served as faculty.

All residents train in core, before ultimately deciding on whether or not to pursue one of the other subspecialties. Virtually all Obstetrics and Gynaecology in the province, outside of academic centres, is managed by core specialists. Within the University, it is the core division that takes on the responsibility for most of the teaching at all levels, from pre-clerkship to clerkship, postgraduate and continuing medical education.

Goals of the Core Obstetrics and Gynaecology Division

• To ensure that we provide comprehensive training for both community practice and within academic centres for excellence within core OBGYN
• To encourage and support academic research within the Division
• To engage our partners across the GTA and Ontario, by defining issues related to safety and outcome. This is currently being addressed through the GTA-OBS (SOON) Network, which will draw upon over 70,000 births to define best practices
• To allow trainees to pursue academic excellence from within the Core Division, by promoting and supporting postgraduate training in teaching, patient safety, public health, Global Women’s Health etc.
• To promote the notion of the role of a core practitioner within the TAHSN system
• To engage our alumni to support our goals through fundraising
• To lobby for the health care rights of our patients with government

Awards and Grants

1. Dr. Ali Murji was the recipient of the Junior Faculty Award, University of Toronto.
2. Dr. Mara Sobel was the recipient of the 2017 CREOG Faculty Award For Excellence in Resident Education.
3. Dr. Sari Kives was awarded the CREOG National Faculty Award.
4. Dr. Donna Steele was the recipient of the Neelam Sierra Resident Advocacy Award.
5. Dr. Jamie Kroft is the Chair of the Laparoscopic Suturing Program at the 2017 AAGL Annual Meeting.
6. Dr. Jamie Kroft was the recipient of both an Educational Research Grant looking at night float and an AFP Innovation Grant for a TLH tool.
7. Drs. Lindsay Shirreff, Ali Murji and Adrian Brown received an AHSC Innovation Grant to develop a surgical scorecard.
Tertiary/quaternary clinical services and teaching to medical students, residents, and fellows continue to be delivered at UHN, Sunnybrook, and Trillium, while full-service, multi-disciplinary care is provided at all 4 sites. Academic/research activity is robust and diverse at each of the sites.

The addition of RVH includes 3 Gynecologic Oncologists each with University of Toronto appointments – Drs. L. Jutzi, A. Ball, and L. White. With their clinical activity including not only the Barrie area, but north to Sudbury, the University of Toronto Gynaecologic Oncology reach is extensive. At the present time, electives for medical students, residents, and fellows are available with their service. With our faculty of 17 Gynaecologic Oncologists, we are one of the largest Gynaecologic Oncology divisions in the world.

Our Gynaecologic Oncology fellowship program under Dr. Laframboise’s leadership continues to be the largest and only 3-year formal program in Canada. The fellowship includes one-year of research or formal education (master’s in public health, epidemiology, health services, or education), followed by 2 clinical years. The program continues to attract a very large number of excellent Canadian and international applicants. Furthermore, the fellowship has graduated a number of individuals who have gone on to become leaders in the specialty elsewhere. Drs. Harry Brar and Liat Hogen completed their training in June 2017. Dr. Brar was recruited to UBC, and Dr. Hogen is presently working as a locum at UHN. New fellows coming into the program are Julie Nguyen (from University of Toronto), and Mitchell Clarke from the University of Connecticut.

UHN has 4 faculty:

1. Dr. Bernardini continues as the head of the division at UHN. He is the Co-Chair of the Endometrial Cancer Working Group at the Canadian Clinical trials group (CCTG) and represents CCTG at the Uterine Task Force of the National Clinical Trials Network of the NCI. He is also on the GOGO executive and is the secretary treasurer of the OOA, in addition to a number of provincial committees including the Gyn Onc HHR for CCO. He holds a Senior
2. Dr. Ferguson was awarded the J. Douglas Crashely Chair in Gynaecologic Cancer Research at the University Health Network and was also appointed to head of gynaecology at Cancer Care Ontario. She also received a Senior Merit Award from the Department, and was successful in a CCSRI innovation grant for her project, *Universal Screening for Lynch Syndrome in Women with Endometrial and Non-Serous Ovarian Cancer*. She continues as the lead for the University Division’s research.

3. Dr. May performed the youngest recorded laparoscopic trachelectomy for cervical sarcoma in a 2-year-old infant, and is also expanding her research in low-grade serous ovarian cancers. She is the coordinator of the fellowship curriculum, and in her final year of a junior merit award.

4. Dr. Bouchard was awarded a position in the Patient Safety and Quality Improvement course though C-Quips and is implementing NSQIP for gynaecology at UHN. She is also initiating a central program for gestational trophoblastic disease at UHN/Sinai and is part of the University of Toronto team hosting the ISSTD meeting in Toronto in 2019.

Sunnybrook has 5 faculty:

1. Dr. Covens continues as the head of the division at Sunnybrook. He serves on the GOGO executive and board of OOA, and sits on the Gynaecologic Oncology HHR committee. He continues as co-chair of the Rare Tumour Committee for NRG Oncology, and is Co-PI of a large multi-cooperative group international trial in Germ Cell Tumours.

2. Dr. Gien received a merit award from the Department, and continues to be active in NRG oncology, including leading an NCI multi-institutional study in immunotherapy for recurrent clear cell carcinoma of the ovary. She is the Chair of the RPSC Sub-specialty Committee, and involved in the CBME design for OBGYN residency. She continues to be the lead for the university division’s resident education, and the Gynecologic Cancer site group at Sunnybrook.

3. Dr. Kupets continues in her role as the Scientific Lead for Ontario Cervical Screening, and is the Division’s lead on continuing medical education.

THP has 3 faculty:

1. Dr. Sinasac (recruited in the fall 2016), is taking over the lead in global health that has been vacant since Dr. Rosen left.

2. Dr. Murphy continues her role as Lead for Cervical Cancer Screening and Colposcopy in the Province of Ontario, and head of the woman’s program at THP.

3. Dr. Feigenberg was awarded a McArthur Award from the Division for his project, *Immune Assessment as a Predictor of Cytoreductive Surgical Outcome in Advanced Stage Epithelial Ovarian Cancer.*
Our Division continues to be anchored strongly in 3 University-affiliated hospitals including Sunnybrook, Mount Sinai Hospital, and St. Michael’s Hospital. With 3 MFM in community sites, we are a division of 29 members, providing consultative and ongoing care to close to 70,000 pregnancies per year in the Greater Toronto Area.

Highlights
On the clinical front, we continue to provide significant support and outreach throughout the GTA. With one full-time joint appointment between Sunnybrook and North York General Hospital (Elad Mei-Dan), we are continuing to provide outreach services west in Missisauga, and east in Scarborough. We are poised to hire 2 full-time fully affiliated members at Trillium Health Partners, and are actively exploring at least one more in Scarborough, and another in Newmarket, with ongoing outreach clinics at the Michael Garron Hospital.

Grants and publications are listed elsewhere, and our Division is among the most productive in this area, presenting leading research in international meetings, and remaining one of the most well-known centres for innovation in MFM care and research (e.g., fetal therapy, cardiac complications of pregnancy, prenatal ultrasound diagnosis).

New focused areas of clinical excellence include a fetal neurology clinic at Mount Sinai Hospital under Dr. Tim Van Meighem, and a clinic for pregnant women with disabilities under Dr. Anne Berndl. At St. Michael’s Hospital, Dr. Tatiana Freire-Lizama continues to lead in simulation-based education. The fetal therapy team at Mount Sinai Hospital, lead by Dr. Greg Ryan, developed the first Canadian program for in-utero repair of fetal open neural tube defects, and performed the first case in early summer of 2017.

The Southern Ontario Obstetrical Network under Dr. Jon Barrett, continues to expand, now including London Health Sciences Centre, and has garnered the attention of the MOHLTC, the Provincial Council for Maternal Child Health (co-chaired by Dr. Gareth Seaward), and the Better Outcomes Registry and Network (BORN Ontario) to allow greater alignment between the quality improvement initiatives of SOON and those of the province.

Our fellowship program continues to thrive under the leadership of Drs. Maxwell and Czikk, with ever stronger rotations at each of our TAHSN sites, and planned addition of a combined MFM/Genetics fellowship as well as an MFM community rotation.

Future Initiatives
We look forward to continuing to build a strong, functional network of academically satisfied and accountable division members into the GTA community sites, partnered with and mentored by their TAHSN site colleagues to maximize both quality of care and research potential. We look forward to further expanding the University of Toronto MFM program internationally to Moi University in Kenya with an MFM fellowship based onsite, also strongly partnered and supported by our Division.

NANETTE OKUN, Division Head

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The REI Division comprises 22 sub-specialty-trained clinician educators, clinician investigators and scientists, 2 embryologist/andrologists, and 3 translational/basic scientists whose academic activities focus on various aspects of female reproductive endocrinology, fertility, and stem cell biology.

As one of the largest REI Divisions in North America, our members practice at one fully affiliated hospital or at 4 independent private fertility clinics. Collectively, these facilities offer a full range of diagnostic services; 4 have on-site, state-of-the-art embryology and andrology laboratories. Several of these clinics operate satellite clinics to better serve their patient population. An additional clinical highlight in the Division is the Mature Women’s Health & Menopause clinic located at Mount Sinai Hospital. This clinic includes a unique multidisciplinary premature ovarian failure (POF) clinic, co-directed by Dr. Wendy Wolfman and Dr. C. Kelley (Medical Endocrinology). The Division offers several fellowship training opportunities: an RCPSC-accredited GREI fellowship training at the Mount Sinai Fertility clinic and non-accredited GREI Fellowship Programs offered at the Create and Trio private fertility centres. A 2-year clinical fellowship in Mature Women’s Health is also offered by Dr. Wolfman.
**Highlights**

Mount Sinai Fertility (MSF) opened a satellite clinic in North York in the Fall of 2016. This clinic, headed by Dr. Crystal Chan, offers consultations, diagnosis, fertility treatment planning, and cycle monitoring to MSF patients. Also in North York, Dr. Marjorie Dixon officially opened Anova Fertility and Reproductive Health, a full-service private IVF clinic. She is joined by Dr. Yaakov Bentov, who is also serving as the Director of Research within the Centre. We congratulate Dr. Rebecca Arthur on her completion of her Master’s Degree in Quality Improvement and Patient Safety (QuIPS), awarded by the University of Toronto. Dr. Arthur is leading QuIPS initiatives at Mount Sinai Fertility. Members of the Division, led by Dr. Ellen Greenblatt, held a continuing education event in September on Clinical Evaluation and Treatment of Infertility. This well-attended and well-received event, delivered largely by division members and MSF Fellows, provided primary care practitioners with current topics to inform their management and guidance of patients facing fertility issues or concerns. Dr. Cliff Librach was elected to the Board of Directors of the Canadian Fertility and Andrology Society in 2016.

**Honours**

Dr. Greenblatt was promoted to full Professor on the basis of her clinical professional activities in oncofertility preservation, advancing elective single embryo transfer, and promoting equal access to infertility treatment through advocating for public IVF funding. Dr. Dixon was named as one of 7 of 2017’s ‘Women of Distinction’ by the YWCA of Toronto for her advocacy work supporting women and the LGBTQ community in reproductive health and fertility.

**Future Initiatives**

The Division is preparing to launch an initiative to bring together REI specialists and researchers across the Greater Toronto Area as a group to foster greater collaboration to address key educational needs and research questions facing the specialty, as well as to provide a platform for patient and professional advocacy. We hope to hold an inaugural session in early spring. The Division continues to make progress in establishing an academic training program for clinical embryology and andrology, an effort headed by Drs. Heather Shapiro, Ted Brown, and Yaakov Bentov.
The Division of Paediatric & Adolescent Gynaecology (PAG) under the Division Head, Lisa Allen, includes PAG providers at SickKids (Anjali Aggarwal, Nicolette Caccia, Sari Kives, Rachel Spitzer), North York General Hospital (Ali Nevin), Michael Garron Hospital (Melanie Ornstein, Brenda Wood), and a transition clinic at Women’s College Hospital (Yolanda Kirkham).

At SickKids, care is provided to children and adolescents with common conditions and rare challenges, with over 2300 ambulatory visits annually, and national referrals to its surgical complex anomalies program. In 2 community PAG clinics, North York General Hospital and Michael Garron Hospital, children and adolescents can receive excellent PAG care closer to home. A true strength of our program is our integration of reproductive health care into inter-professional teams caring for children and adolescents with complex care issues. The program participates in a transitional program for young women. Young women at the age of 17 are transitioned to the Young Women’s Gynaecology Program for the reproductive health care of women aged 17 to 25 at Women’s College Hospital.

The Vision of the Division is to provide leadership in advancing the gynaecologic care and treatment of young women in Toronto, Ontario, Canada and
around the world. In addition to our strong clinical care program, the Division leads with its activities across the scholarly areas of research, education at all levels including a fellowship in PAG, and creative professional activity.

**Highlights**

Our Division had an impactful presence at the North American Society of Pediatric and Adolescent Gynecology (NASPAG) Annual Clinical and Research Meeting held in Chicago in April 2017. In addition to our faculty presenting a plenary on *Managing Ovarian Masses: Finding the Right Balance* and a luncheon on the Ethics of Consent in paediatric gynaecology, 25% of the oral abstracts were original research from our Division. The research presented spanned a wide variety of topics: use of tranexamic acid in adolescent abnormal uterine bleeding; algorithms to guide surgical decision-making with ovarian pathology; and the use of innovative technology to assess risk behaviours in pregnant adolescents.

Over the year, several other international invited lectureships demonstrated the impact of our Division. Dr. Allen travelled to Mexico City as an Invited Professor, presenting 3 plenaries at the III International Course of Pediatric and Adolescent Gynecology, COMEGO-NASPAG Clinical and Research Regional Meeting in September 2016. In addition, Dr. Allen participated in a panel session on paediatric gynaecology at the American Academy of Pediatrics, Surgical Section Symposium October 2016 in San Francisco. The Division continues to provide leadership in the important national and international PAG organizations. Dr. Kives is the Vice President of the North American Society of Paediatric and Adolescent Gynaecology. Dr. Rachel Spitzer is the Co-Chair of CANPAGO, the PAG specialty committee of the SOGC.

Dr. Caccia maintains an active role in the development of competency-based education. She is a member of the Royal College of Physicians and Surgeons of Canada (RCPSC) Competence by Design development for Obstetrics & Gynaecology Committee whose work includes developing PAG as an entrustable professional activity.

Closer to home, on January 14th, 2017, the Division hosted its semi-annual Continuing Medical Education Day. The successful Paediatric and Adolescent Gynaecology Review Day attracted a diverse audience of attendees with excellent reviews.

The 6th annual Carol Cowell Lectureship in Paediatric Gynaecology was presented by Dr. Nathalie Fleming, Professor and Head of Pediatric Gynaecology at the University of Ottawa. Her expertise in Adolescent Pregnancy has been recognized by the provincial Minister’s Medal Honouring Excellence in Health Quality and Safety.

**Future Initiatives**

The Division looks forward to developing further links and collaborations amongst the providers of PAG across the city.
UROGYNAECOLOGY

PATRICIA LEE, Division Head

Urogynaecology – also known as female pelvic medicine and reconstructive surgery (FPMRS) – is a sub-specialty area within Obstetrics & Gynaecology that encompasses the care of women with bladder problems and pelvic floor disorders. The Division of Urogynaecology at the University of Toronto is the largest of its kind in Canada.

Core Faculty
Among the 3 core University of Toronto teaching hospitals there are 8 recognized fellowship trained core urogynaecology faculty: Drs. May Alarab, Danny Lovatsis, Colleen McDermott (SHS); Dr. Dana Soroka (SMH); Drs. Janet Bodley, Louise-Helene Gagnon, Rose Kung, and Patricia Lee (SHSC).

We have urogynaecology colleagues beyond our core teaching hospitals who participate regularly in the education of our fellows: Drs. Bill Easton, Phaedra Diamond (Scarborough Centenary), and Harold Drutz (Baycrest Health Sciences); and those who participate in the training of our residents (non-elective and elective): Dr. Danny Kreichman (NYGH); Dr. Melissa Tai (TEGH); Drs. Allan Kanee, Kim Rogers, Carol Wade (Trillium Health Partners); and Dr. Stacey Grossman (York Central).

Collaboration
We have strong collaborations with colleagues who complement our academic and clinical foci: Drs. Sender Herschorn and Lesley Carr (Urology, SHSC), Dr. Nucelio Lemos (Neuropelveology and Pelvic Pain, SHS), Dr. Oksana Shynlova (Basic Science, Lunenfeld Research Institute), Drs. Sidney Radomski and Dean Elterman (Urology, UHN), Dr. Louis Liu (Gastroenterology, UHN), Dr. Wendy Wolfman (Menopause, SHS), Drs. Herb Wong, Grace Lui, Jamie Kroft, and Leslie Po (SHSC Minimally Invasive Gynaecologic Surgery (MIGS) surgeons), and Dr. Mary Melchior (MIGS, SJHC).
**Education**

The Program teaches medical students, residents (14 per year) and fellows (3–4 per year). Residents rotate to either SHS or SHSC for their mandatory urogynaecology training. We offer urogynaecology fellowship training at both the SHS and SHSC sites of 2–3 years duration. We have created the academic and educational curriculum for a 2-site (SHS/SHSC) clinical fellowship (the first joint clinical FPMRS fellowship training program in Toronto since 2001).

**Fellowship Accreditation Initiatives**

National guidelines for the standards of education and training in FPMRS fellowship programs have also been developed and are aligned with the American regulatory body, the Accreditation Council of Graduate Medical Education. A national committee with urogynaecologists (MA, CM) and urologists (Sender Herschorn) has been in place and is working toward RCPSC sub-specialty recognition for FPMRS.

- **26**: Publications (Abstracts & Papers)
- **5**: Peer-Reviewed Grants
- **8**: Invited Speakers
- **19**: CME/Workshops

**Awards and Honours**

- Adrienne Li, PGY6 (P. Lee) “Best in 3 Abstracts” oral presentation at SOGC (June 2017).
- Polina Myrox (MD candidate 2020), University of Toronto’s CREMS Summer Student Research Award (P. Lee and R. Kung).
- Tumushabe Mutungi (OBGYN PGY3) Department of Obstetrics & Gynaecology, University of Toronto, Chair’s Summer Student Award (D. Lovatsis).
- Michelle Anderson (MD candidate 2020) Department of Obstetrics & Gynaecology, University of Toronto, Chair’s Summer Student Award (C. McDermott).

**Research Initiatives**

A major goal of the Division is the development of collaborative University of Toronto multi-site research projects. We have initiated 2 significant projects: Intraoperative visualization of ureteric orifices using vitamin D, Health Canada approved; and Quality of Life surveys on patients waiting for surgery.

National and international meetings: The International Urogynecology Association (IUGA) annual meeting was hosted in Vancouver, Canada in June 2017 and was well-represented by University of Toronto faculty who participated in oral presentations (MA, PL, NL, DL, CM), invited session moderators (MA, DL), and invited workshop faculty teachers for fellowship trainees from around the world (PL, CM). The inaugural Canadian Society of Pelvic Medicine meeting was also held in Vancouver and chaired by Dr. Harold Drutz. The University of Toronto Urogynaecology Division has been asked to host the 3rd Annual Eastern Society of Pelvic Medicine meeting in October 2017 and the organizing committee (PL, DL, CM) has been busy with plans to deliver not only a comprehensive academic program, but also to serve as a forum to unite our multidisciplinary colleagues in female pelvic health from both the eastern and western provinces.
UNDERGRADUATE MEDICAL EDUCATION

RAJIV SHAH, Director

The Undergraduate Medical Education Committee is committed to ensuring excellence in the teaching and training of our medical students by offering a diverse experience in the clerkship.

Highlights
Over this past year, we have worked in collaboration with members of the Faculty of Medicine in designing an entirely new Preclerkship curriculum of the 1st and 2nd-year medical students. The new Foundations curriculum has a flipped classroom model where students spend no more than 3 hours in lectures per week and spend their time divided between small group workshops, shadowing experiences and self-learning. In the new curriculum, OBGYN has 4 weeks which are divided with 2 weeks of gynaecology including a portion on sex and gender-based medicine and 2 weeks of obstetrics. We wish to thank all faculty who have helped contribute to the new curriculum which will be launched as of January 2018.

William Osler Health System (WOHS), with both the Brampton and Etobicoke hospitals, has become our new teaching site in the last academic year. Students from MAM spend 3 weeks at either BCH or EGH doing a sub-rotation. WOHS faculty have been extremely welcoming to the students, and the student evaluations of their experience have been extremely positive. We thank all those involved in creating the sub-rotation and especially would like to acknowledge Drs. Koo Chun and Kiran Sahi.

In the last academic year, we piloted a simulation project on the topics of postpartum hemorrhage and perineal laceration repair to 3rd year clinical clerks at the Fitzgerald Academy. Students thoroughly enjoyed this format of learning. We evaluated the students’ knowledge and skills acquisition through this modality and found improvements in both technical and non-technical skills, as well as knowledge through the simulation. The results have been presented internationally. A special thanks to Dr. Eliane Shore who helped to create and rollout the simulation.

Honours
Congratulations to our 2016–2017 student award winners in recognition of their academic achievements in our specialty:

• Dr. Jacob Goldstein Scholarship: William Kyle Silverstein
• Hendry Memorial Scholarship: Emily Wright
• Dr. Frederick R. Papsin Award: Ryan Joseph Paul Giroux
• Dr. Sidney M. & Roselyn Tobin Compassionate Scholarship: Victoria Marianchuk

Future Initiatives
As of this coming year, students can seek out learning opportunities at any academy to round out their educational experience. With Danielle Vicus, we will also be introducing an academy-wide gynaecologic oncology rotation for our medical students, as a result of a highly successful pilot at Sunnybrook.
In 2016–17, our 68 residents trained at 9 clinical sites affiliated with our Residency Program. The Residency Program Committee (comprising faculty site/rotation-coordinators, and resident representation for each PG year) oversees a quality educational experience designed to produce excellent practitioners in Obstetrics & Gynaecology, as well as future leaders and researchers.

12 PGY1s joined our program in July 2016; 10 Canadian medical graduates and 2 international medical graduates. We congratulate the 13 PGY5s who successfully completed the Royal College exams in May 2017 and wish them all the best in their future endeavours.

**Highlights**

The OBGYN program added a Skills Test component to our 2017 CaRMS selection process, intended to help identify candidates who are most likely to succeed in a surgical program. The test assessed basic eye-hand coordination and ability to function in 3 dimensions. This component was under Dr. Eliane Shore’s leadership.

We are pleased to announce the Night Float (NF) Committee’s summary of the University of Toronto experience. Implementing an NF system was published in the JOGC in November 2016: *Commentary on the Development of a Night Float Call Model for Obstetrics and Gynaecology Residency: The Process and Resident Perceptions.* Authors include: Lynn Sterling, Carmen McCaffrey, Rebecca Rich, Michael Secter, Jessica Green, Lindsay Shirreff, and Donna Steele. This article reviews our process for developing an innovative NF call model, along with resident perceptions and experiences, with the idea of offering insight for residency programs that are considering/instituting alternative call systems.

The Residency Program received an outstanding final report on July 28th, 2016 from the PGME Internal Review Committee (IRC). The IRC identified 6 strengths of our program, no weaknesses, and concluded, “No further action required.” Strengths included a strong supportive infrastructure in the Residency Program Committee and subcommittees, the Resident Wellness Program, the LAR for PGY1s, extensive resident engagement, and an excellent transition-to-practice rotation. The report stated that our wellness program “should serve as a model for other divisions and departments... It is highly valued by the trainees.”

The Academic Half-Day (AHD) Subcommittee, a forum for residents to provide input to the AHD curriculum and address AHD issues, organized the first summer AHDs in 2016. This was most successful, and was to be repeated for the summer of 2017. Residents consider membership in this AHD sub-committee a highly desirable role, and have commented that it has contributed to their understanding of the difficulties (and joys) involved in creating and achieving change.

Participation in the Clinical Investigator Program (CIP) remains strong. Lauren Philp is working with Marcus Bernardini and Gang Zheng on *Use of Porphyrin-Based Nano-Theranostics to Detect Lymph*
Node Metastases and as a Tool For Image-Guided Lymphadenectomy: Proof of Concept in Endometrial Cancer and progressing toward a MSc at the Institute of Medical Sciences at the University of Toronto.

PGY1 residents have been participating in the RCPSC-mandated Surgical Foundations program since 2015. We salute the 13 PGY2s who voluntarily sat and passed the Royal College Surgical Foundation exam, which will be mandatory in 2018.

Resident research projects led to approximately 16 presentations and 14 publications. For the purpose of achieving more effective communications, the Residency Program issued a “first-ever” communications policy to outline communications standards and expectations: “Communications – Commitment – Consideration.”

Future Initiatives
The RCPSC mandated the first major major curricular change in all residency programs across Canada in over a century: Competency by Design (CBD). Obstetrics & Gynaecology is in cohort 4 of the CBD rollout, with a planned start date for the PGY1 group in July 2019. Some of our sub-specialty rotations have been using workplace-based assessments on a trial basis. In addition, we plan to pilot other smaller endeavours in 2018–19 prior to the RCPSC rollout. Faculty development will be a critical part of the success of CBD, and plans are underway to ensure our faculty members are aware of the curriculum, assessments, and their roles.

Honours

2017 Resident Graduation Celebration – Residency Awards
- Department of Obstetrics & Gynaecology Social Responsibility Award in Global Women’s Health and Vulnerable Populations: Rebecca Rich
- Excellence in Clerkship Teaching for 2015–16: PGY3: Maria Cusimano; PGY4: Kristen Harris; PGY5: Lynn Sterling and Mathew Leonardi
- Society for Maternal-Fetal Medicine Residency Program Award: Kirsten Niles

2017 Resident Graduation Celebration – Faculty Awards
- CR EOG National Faculty Award for Excellence in Resident Education: Mara Sobel
- The Neelam Sierra Resident Advocacy Award: Donna Steele

Resident Awards – External
- PARO Trust Fund Resident Teaching Award (2017): Mathew Leonardi
- Antonio Cecutti Prize, St Michael’s Hospital (2017): Mathew Leonardi
- Detweiler Travelling Fellowship Award (December 2016): Mathew Leonardi
- Dr. Andrée Gruslin Award: Best of Best in Resident Research Presentation, APOG (2016): Rebecca Rich
- Duchesnay International Elective Fellowship for Obstetrics and Gynaecology Residents (2016): Shambe Mutungi
- Gord Swayze Resident Academic Research Award, Michael Garron Hospital (May 2017): Rebecca Zur
- Peters Boyd Resident Teaching Award for 2016–17: Sunnybrook Health Sciences Centre, Women’s College Hospital, and North York General Hospital: Maria Cusimano
- Bruce Galloway Award, Society of Gynecologic Oncology of Canada (2016): Julie Nguyen
- Frank Fletcher Memorial Fund Award: Lauren Philp
HEATHER SHAPIRO, Director

The Department’s fellowship training programs continue to growth in breadth and depth. In the 2016–2017 academic year, there were over 30 fellows registered in Minimally Invasive Gynaecology Surgery, Urogynaecology, Advanced Obstetrics and Reproductive Sciences, and Menopause.

In addition, there were 14 trainees in Royal College sub-specialty residency programs and 6 international fellows in MFM and Gyn Onc as well. As in previous years, the fellows outnumbered the residents. The number of Ministry of Health-funded positions has remained static. The growth has been in the non-certified programs. This year, we welcomed our newest fellowship, Women’s Global Health and Equity, under the direction of Rachel Spitzer, which is based at Women’s College Hospital. We have also actively been increasing opportunities for internationally trained physicians in fellowship programs. A complete list of programs can be found on the department’s website (www.obgyn.utoronto.ca/about-program-2).

Our fellowship programs contribute to the Department’s mission of research, clinical care and education. This was most evident at Research Day where over two-thirds of the presentations and posters were co-authored by fellows.

Our programs have taken the lead on best practices for online registration and are working with PGME to formalize fellowship evaluation. The Fellowship Directors’ quarterly meetings are a forum to discuss common challenges and disseminate the policies developed by the university-wide Fellowship Advisory Committee.

City-wide fellowship rounds cover the non-core CanMEDS competencies and this year focused on Leader and Scholar. We provide 2–4 city-wide seminars for fellows per year. Recent topics have been quality improvement and patient safety, leadership training and advocacy, and career counselling. The latter has taken the form of meeting with the Chair or information sessions with community hospitals that are recruiting. Our Department-hosted graduation event, with the inclusion of fellows with residents, has helped develop a strong sense of connection between the fellows and the University.

Looking forward to the next academic year, we hope to introduce CBD to both the Royal College programs and the fellowship programs.
Members of our Department, once again, represented our Department in invited roles at many provincial, national and international CPD events.

Rounds

Within our Department here in Toronto, weekly Grand Rounds continue to be presented in all of the academic sites. The MOREOB Interprofessional CPD Program was once again active at nearly all centres in the GTA. Led by Dr. Rachel Spitzer and Dr. Nanette Okun, we have continued our interactive Telehealth Obstetrics Rounds CPD program with our partner unit at Moi Teaching and Referral Hospital, Eldoret, Kenya. We presented more interhospital rounds to more sites than any previous year, as listed below. These rounds were broadcast to all of our distributed sites and archived for interval review.

Honours

1. Kim Liu: 2016 Chair’s Award for Excellence in Postgraduate Program Development and Innovation, Department of Obstetrics & Gynaecology, University of Toronto.
2. Jackie Thomas: Wightman Berris Academy Postgraduate Teaching Award
3. Rory Windrim: Wightman Berris Anderson Academy Award for Extraordinary Contribution to Education

Interhospital Rounds 2016/2017

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<tr>
<th>Date</th>
<th>Presenter/Topic</th>
<th>Location</th>
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<tbody>
<tr>
<td>Friday, September 9, 2016</td>
<td>Prof. Eileen Hutton The Tale of Two Studies: Understanding Home Birth Outcomes</td>
<td>St. Michael’s Hospital</td>
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<tr>
<td>Friday, October 14, 2016</td>
<td>Dr. Tim Rowe Let’s Eat Grandma/Let’s Eat, Grandma: The Importance of Editors</td>
<td>Sunnybrook Health Sciences Centre</td>
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<tr>
<td>Friday, November 18, 2016</td>
<td>Dr. Jenny Myers New Advances in the Management of Chronic Hypertension in Pregnancy: A UK Perspective</td>
<td>Mount Sinai Hospital</td>
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<td>Friday, December 2, 2016</td>
<td>Dr. Tim Caulfield Cannell Lecture at APOG Conference: Quackacademics, Popular Culture, and the Spread of Pseudoscience</td>
<td>Hilton Toronto</td>
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<td>Date</td>
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| Friday, January 13, 2017 | Dr. Nathalie Fleming  
The Quest to Improve Teen Access to Multidisciplinary Prenatal Care in Canada | St. Michael's Hospital          |
| Friday, February 24, 2017 | Dr. Rabih Chaoui  
3D in Obstetrics: A Gimmick or a Powerful Clinical Tool | Mount Sinai Hospital           |
| Friday, March 10, 2017  | Drs. Rachel Spitzer & Heather Millar  
Creating Canada's first Fellowship in Global Women's Health and Equity | St. Michael's Hospital         |
| Friday, March 17, 2017  | Dr. Theresa Woodruff  
The Emerging Story of Oncofertility: From Bench to Bedside to Babies | Mount Sinai Hospital           |
| Friday, April 7, 2017   | Drs. Jon Barrett, Nanette Okun, Marie Czikk and Howard Berger  
The Southern Ontario Obstetrics Network: Past, Present & Future | St. Michael's Hospital         |
| Friday, April 28, 2017  | Henderson Lecture  
Dr. Dorothy Shaw  
How Evidence Informs Advocacy for Women’s Health – A Lifelong Journey | University of Toronto          |
| Friday, May 1, 2017     | Dr. Tim Draycott  
Delivering Better Birthdays | St. Michael’s Hospital, Li Ka Shing Knowledge Institute Auditorium |
| Friday, May 12, 2017    | Drs. Ray Osborne, Genevieve Bouchard-Fortier and Naomi Martin  
Gestational Trophoblastic Disease, The Toronto Experience | Sunnybrook Health Sciences Centre |
| Friday, June 9, 2017    | Dr. Amy Fairchild  
Go Ahead, Panic: from Yellow Fever in the Long 19th Century to Zika in a Hot Minute | North York General Hospital     |

**CPD Courses**

Our Department presented a diverse range of courses, to more than 3000 attendees in 2016/17. These CPD events, all of which were University of Toronto and College accredited, addressed issues in Women’s Health in many areas ranging from Paediatric Gynaecology to Fetal Therapy.
## CPD Rounds 2016/2017

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Director(s)</th>
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<tr>
<td>Clinical Evaluation and Treatment of Infertility</td>
<td>Ellen Greenblatt</td>
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<tr>
<td>12th Annual Everyday Gynaecology: The Management of Common Gynaecologic Conditions</td>
<td>Jackie Thomas</td>
</tr>
<tr>
<td>International Fetal Therapy Simulation Training Course</td>
<td>Greg Ryan, Rory Windrim, Tim Van Mieghem and Han Keulen</td>
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<tr>
<td>The 5th International Fetal Growth Meeting</td>
<td>John Kingdom</td>
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<tr>
<td>Paediatric Adolescent Gynaecology Review Day</td>
<td>Lisa Allen and Rachel Spitzer</td>
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<tr>
<td>St. Michael’s Hospital Women’s Health Symposium</td>
<td>Deborah Robertson</td>
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<tr>
<td>20th Annual Obstetric Ultrasound: Setting the Standard for 2017</td>
<td>Greg Ryan and Rory Windrim</td>
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<tr>
<td>1st Annual MyGOALS: Multi-Disciplinary Gynecologic Oncology Annual Lecture Series</td>
<td>Taymaa May and Stephanie Lheureux</td>
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<tr>
<td>13th Annual Mature Women’s Health Care</td>
<td>Harold Drutz and Wendy Wolfman</td>
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<tr>
<td>North York General Hospital Review Day</td>
<td>Nicholas Pairaudeau</td>
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<tr>
<td>25th Annual Symposium New Developments in Prenatal Diagnosis</td>
<td>David Chitayat</td>
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<tr>
<td>Headaches and Hormones</td>
<td>Michele Farrugia and Christine Lay</td>
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</tbody>
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## Future Initiatives

Members of our Department have undertaken MSc, or PhD-level training with partner Institutions in Education, Research, Continuous Quality Improvement and Patient Safety, Competency-based Medical Education, and Knowledge Translation. We feel that this training will be the key to our future CPD growth. Our hope is to combine this expertise with the resources of the Southern Ontario Obstetrics and BORN Networks to develop a new vision for CPD in our Department. In this paradigm, we will augment our well-established CPD courses with externally funded research-based CPD interventions specifically developed in order to match perceived gaps in knowledge. We hope to evaluate the impact of the interventions by ongoing clinical practice audit.
GLOBAL HEALTH AND ADVOCACY

RACHEL SPITZER, Vice Chair, Global Health and Equity

Advocacy and Global Health, including our co-leadership in the AMPATH Reproductive Health collaboration in Eldoret, Kenya, remain a strong cornerstone of our Department and this year has been no exception, with many exciting developments. We continue to rely on a group of dedicated faculty and trainees who make our programs possible and highlight our leadership in this area among academic OBGYN departments nationally. Our Advocacy and Global Health track record and ongoing commitments are a source of great pride for us all.

Highlights

In 2017, our fellowship program in Global Women’s Health and Equity proudly graduated Dr. Heather Millar as our first trained fellow, having spent a year as Team Leader for AMPATH-Reproductive Health in Eldoret, Kenya and having pursued a series of relevant rotations in Toronto and northern Ontario (through our partner, Northern Ontario School of Medicine, NOSM)) with underserved, immigrant and refugee populations. Our continuity clinic for the fellowship, based at Women’s College Hospital, continues to attract new patients and cater to a population of new Canadians and their reproductive health needs. We also recruited our fellowship candidate for the coming academic year amongst an impressive group of candidates from across North America. Our groundbreaking fellowship program
Global Health and Advocacy

was further the topic of our Annual Global Women’s Health Inter-hospital Rounds and an invited keynote presentation at the Bethune Conference on International Surgical Education.

When it comes to our Global Health contributions, our primary involvement remains in the Academic Model Providing Access to Healthcare (AMPATH) in Kenya. AMPATH promotes equity and excellence in the care of women worldwide, and seeks to build capacity in care, education, and research in sub-Saharan Africa. As part of our “Leading with Care” mandate, we have co-lead and implemented novel, as well as proven MNCH activities in 7 innovative sites, covering a population 750,000. We are extraordinarily grateful for the philanthropic support, primarily from the Purpleville Foundation, and for other financial support received through other granting agencies, including USAID, Saving Lives at Birth and Grand Challenges Canada, that has assisted us in rolling out these activities. Since 2013, this work has been scaled-up to partnerships with 8 counties, 22 sub-counties, and a catchment population of 3.5 million. In Kenya, Astrid Christoffersen-Deb leads the University of Toronto’s commitment to care, education, and research as Field Director for Reproductive Health. As in previous years, in 2016/17, we enjoyed the rich exchange of trainees and faculty, including 2 medical students travelling to North America, and medical student and resident exchanges to Kenya for clinical and research experiences.

Our gynaecologic oncology program, with continued support from Princess Margaret Hospital, has continued to grow in the area of cervical cancer screening, with over 50,000 women screened to date. Numerous grants are active in this area of the program including large NIH grants evaluating outcomes of LEEP and cryotherapy treatments in the setting and a project that is evaluating health determinants of acquiring an HPV infection. The fellowship program in Gynaecologic Oncology, initiated by Dr. Barry Rosen and his colleagues and team in Eldoret and North America, enrolled 2 new fellows in a 2-year program in Eldoret, which continues under Kenyan leadership with North American support and collaboration. Dr. Nanette Okun continued leadership in the area of MFM as, together with our Moi colleagues, there are plans to implement an MFM fellowship program in-country (based on the success and model of the Oncology Fellowship) in the coming 18 months. Our videoconference rounds, made possible through CISEPO’s donation of the videoconference facility, and featuring an MFM topic monthly and alternating presenters between our sites, continued through the academic year.

Honours
In 2017, as an initiative of our Advocacy Committee, we established departmental awards to annually recognize a faculty and a graduating resident who have made a significant contribution to social responsibility. The inaugural awards were presented to retiring former Department Chair, Dr. Alan Bocking, who championed global health in our Department and led us into partnership with Moi University and Moi Teaching and Referral Hospital as part of the AMPATH Consortium nearly 10 years ago, and to Dr. Rebecca Rich, graduating PGY5, for her research and advocacy in care for Indigenous women in northern communities.

Future Directions
We look forward to continuing leadership in Advocacy and Global Health both locally within the University of Toronto Faculty of Medicine, developing shared opportunities in global health leadership, and nationally and internationally amongst the OBGYN and women’s health communities.
Committee Reports
The Promotion Committee’s main role is to recommend to the Chair of the Department and ultimately the Decanal Committee, individuals that should be promoted to the ranks of associate professor and full professor in each promotion cycle. In addition, the Committee is responsible to the faculty members of the Department to provide guidance and mentorship during their careers so they may best achieve senior promotion.

Collaboratively with the Faculty Development Committee, the Promotions Committee has developed a curriculum for senior promotions for the Department launched in 2017/2018. To supplement the longstanding Mentorship Program of the Promotion Committee, 6 rotating workshops will cover the topics of Creative Professional Activity, Choosing an Area of Excellence, Research, Teaching, Social Media, and Widespread Recognition as they relate to senior promotion.
A “Promotion Bootcamp” will occur at the onset of each promotion cycle for potential candidates to assist them with negotiating the promotion process and developing their dossiers.

The Committee consists of members at associate or full professor rank, who are chosen to reflect the diversity of the specialty, the diversity of hospitals in the Department and to include expertise on the Committee in promotion in each of the areas of excellence.

The Department is pleased to announce the following senior promotion, effective July 1st, 2017.

**Full Professor**

Ellen Greenblatt

Dr. Greenblatt is the Medical Director, Mount Sinai Fertility, and Head Division of Reproductive Endocrinology and Infertility, Mount Sinai Hospital. After completing her medical degree at McGill University, she undertook additional training at McGill University and Western University, and completed an ABOG REI fellowship at the University of California, San Francisco.

Her scholarly activities have made important contributions to current practices in fertility preservation in young adults with cancer, as well as improving access to ART. Dr. Greenblatt’s research is directed at improving outcomes and limiting complications as a result of assisted reproductive treatments, she has published more than 40 articles in peer-reviewed journals. In 2010, she was recognized by the Royal Society of Physicians and Surgeons of Canada as being instrumental in the development of Gynaecologic Endocrinology and Infertility as a medical speciality.

In 2014, she received an award from Fertile Future for her ongoing commitment to access to oncofertility preservation for young people facing cancer. Dr. Greenblatt was invited by the Minister of Health, MOHLTC, to chair the Advisory Panel on Infertility that led to the *Advisory Process for Fertility Services Key Recommendations Report*. This report guided the MOHLTC in the launch of the Ontario Fertility Program in 2015. Dr. Greenblatt has consulted nationally and internationally in her field and with patient advocacy groups.

She is a past national director of the Canadian Fertility and Andrology Society, a Member of the Canadian Adolescent and Young Adults (AYA) Oncofertility group, and the Canadian representative to the Oncofertility Consortium Global Network. She was promoted on the basis of her Creative Professional Activities.
The overall objective of the Research Committee is to support and facilitate research within the Department, with the goal of fostering research collaborations and providing support for the research training of residents and clinical research fellows.

This is accomplished by providing forums for research education and the communication of ongoing research. The committee consists of approximately 18–20 faculty members with broad representation from all Divisions and hospital sites, and meets approximately once per month. In addition to faculty members, 2 resident PGY1–5 (one of which is participating in the Clinician Investigator Program) and one PGY6–8 fellow representative are elected by their peers to sit on the Committee.

**Highlights**

The Research Committee with the help of the administrative staff organizes the Department’s Annual Research Day, held this year at the St. Lawrence Centre for the Arts. The event celebrates and showcases the depth and diversity of research within our Department. This year we introduced an electronic poster format that was well-received and generally increased interactions at the poster presentations. A key event incorporated into Research Day is the D. Nelson Henderson Lecture, first established in 1965. This year’s speaker was Dr. Dorothy Shaw who spoke on how evidence informs advocacy for women’s health. The Committee also hosts an interactive research session every year on a topic that bridges 2 or more clinical divisions. This year’s session, organized by Drs. Sarah Ferguson and Allan Covens, was on Surgical Advancements in Gynaecology and Gynaecological Oncology. A priority of our Department is to enhance research capacity by providing opportunities for our most promising trainees and young faculty. This is accomplished, in part, through the Women’s Health Scholar program, which supports residents wishing to enter the CIP and through the competitive Chair’s Summer Student Award Program, which provides partial support for the University CREMS Scholars and Summer Student programs. This year the Department provided support for Dr. Lauren Philp’s CIP study on the use of nano-technology for the diagnosis of lymph node metastases in endometrial cancer. Her supervisor is Dr. Marcus Bernardini. The Department also supported 19 medical students through these programs. Dr. Kellie Murphy again offered a comprehensive 3-day intensive tutorial course on research for departmental fellows and residents. We are grateful to multiple members of our faculty and to our colleagues who contributed to the success of this course. Dr. Mark Yudin hosts a resident research forum on 3 academic half days throughout the year. At these sessions, several residents present their research ideas to their peers and interested faculty to receive feedback and suggestions to overcome perceived barriers. The sessions are held at the Li Ka Shing Knowledge Institute at St. Michaels Hospital and all faculty are welcome to attend. He also sits on the Residency Program Committee as a bridging member between the 2 committees. This has improved coordination and communication between the committees regarding the Trainee Research program and initiatives.

**Future Initiatives**

This year, Dr. Murphy with the help of Michael Browne, launched a quarterly newsletter to communicate research accomplishments to the Department at large. We will continue to solicit contributions to this communication and to initiate ways of expanding the visibility of publications from our faculty members. The Committee is committed to ensuring the Research Forums series continue, as these can serve as an excellent platform to promote research collaborations. This year’s session will focus on Global and Indigenous Health research and will be organized by Dr. Rachel Spitzer.
This year, we had 8 students participate in the CREMS (Comprehensive Research Experience for Medical Students) Summer Student program with supervisors from our Department.

The CREMS program provides UofT students with an opportunity to do a 12-week mentored research project with faculty at the University of Toronto, giving them an introduction to research. In addition, we also introduced the Chair’s Summer Studentship Award, a departmental program that sponsors student participation in research projects with our faculty. We were very impressed by the work done this summer by all 10 students, and we hope that these programs will continue to be successful at promoting research in our Department going forward.

Here are short profiles on each student and the projects they were involved in.
This summer, I had the incredible opportunity to participate in a CREMS project under the supervision of Dr. Lee and Dr. Kung. This project was located at the Sunnybrook Health Sciences Centre, in the Urogynaecology Division of the Obstetrics and Gynaecology Department. The goal of the study was to determine if there was a difference in the pain experienced by patients after gynaecological surgery when bupivacaine-soaked vaginal packing was used as opposed to estrogen cream-soaked vaginal packing. During this project, I had the opportunity to learn from several fantastic clinician scientists about the impact of research on clinical practice and the development of a research study. This experience has taught me invaluable lessons on the process of designing a research study, the hurdles that have to be overcome in order to begin a study, the challenges that are faced in collecting information from patients, and the excitement of contributing new information to the medical community.

In addition, I was also given my first exposure to obstetrics and gynaecology. During this experience, I had the opportunity to observe clinical encounters with patients in order to better understand the focus of a gynaecologist. Most excitingly, I had the opportunity to observe several minimally invasive surgeries, which is something I would not have had the opportunity to do otherwise. Overall, my experience working with Dr. Kung and Dr. Lee at Sunnybrook Health Sciences Centre was fantastic and has inspired my passion for obstetrics and gynaecology.
**Navneet Natt**

I am very fortunate to have had such an incredible CREMS experience this summer under the supervision of Dr. Rohan D’Souza. He was an amazing supervisor and supportive mentor that made all the difference in my research experience.

My CREMS project was a retrospective cohort study about insulin requirements in diabetic pregnancies. From the outset, Dr. D’Souza was very open to gauging my research interests and determining which research skills I wanted to develop. Having only previously worked on systematic reviews, we decided together that it would be valuable for me to learn about observational studies and get involved in the steps of conducting one. I appreciated the fact that he was so receptive to tailoring this experience to my learning needs so that I could walk away with new research skills.

Having never done pure clinical research before, I was a little nervous about diving into this project, but Dr. D’Souza was an invaluable source of support throughout. From the first day that I stepped into the diabetes clinic, Dr. D’Souza took time from his clinic hours to introduce me to the staff and orient me to the charts.

All in all, I couldn’t have asked for a more productive or enjoyable CREMS experience. I hope all future CREMS students can work with a supervisor as incredible as Dr. D’Souza. He is the definition of an ideal clinician role model and research mentor!

**Hanna Goldberg**

I was very fortunate to have been given the opportunity to work with Dr. Sari Kives and Dr. Lisa Allen through the CREMS Summer Student Program. Our project is investigating the prevalence of Avoidant/Restrictive Food Intake Disorder (ARFID) in the Pediatric Gynaecology Clinic and its impact on the menstrual cycle. Similar to patients with anorexia nervosa, individuals with ARFID demonstrate weight loss, malnutrition, abnormal eating behaviours, and a high prevalence of anxiety. Therefore, there is reason to suspect that this population may also be at risk for menstrual dysfunction. It is our hope that our project will increase awareness of ARFID and potentially, its relationship with menstrual dysfunction. As a result, physicians will have a lower index of suspicion of a possible eating disorder when treating adolescents with menstrual dysfunction.

Spending my summer with the Paediatric Gynaecology Department at SickKids has been an excellent experience. I have gained important skills in clinical research that I will continue to develop throughout medical school and in the future as a physician. Throughout the summer, I also spent time in clinic and in the OR with Dr. Kives, which was not only useful for my research project, but also allowed me to further explore the field of Obstetrics and Gynaecology. I am very grateful to Dr. Kives and Dr. Allen, the Department of Obstetrics and Gynaecology, and the CREMS Program for this opportunity. I am excited to share our results when the study is completed.
James Bao
During my experience in the Comprehensive Research Experience for Medical Students (CREMS) Summer Program I completed a research project entitled: “A Delphi Approach for the Design of an Intra-Operative Blood Conservation Pathway for Open Myomectomy”. This was a collaboration between the departments of gynaecology (Drs. Robertson and Shore and Simpson), anaesthesia (Dr. Hare), and hematology (Dr. Sholberg). I have been invited to present at 2 national conferences – as an oral presentation at the Society of Obstetrician and Gynaecologists of Canada’s 73rd Annual Clinical and Scientific Conference (June 2018), and as a poster presentation at the Canadian Anesthesia Society Annual Clinical Meeting (June 2018). We are now finalizing the manuscript for submission for publication.

Arianne Cohen
My CREMS research project at the Mount Sinai Fertility Clinic with Dr. Crystal Chan and Dr. Ellen Greenblatt has been overall a great experience. The project itself consisted of a retrospective cohort review of patients who underwent an Endometrial Receptivity Assay (ERA) over the past 3 years. What I liked most about my summer research was the fact that I was able to see the project to fruition from the very beginning stages.

I was involved with writing the Research Ethics Board application and certain aspects of the study design before the project formally began, which provided me with an excellent overview of the project and a sense of ownership. Though I had great advice and direction from my 2 supervisors, I felt like I was given a generous amount of independence with the project. The mentorship I received was invaluable to my learning and from it, I feel more confident in my research and critical appraisal skills.
For my CREMS project this summer, I had the opportunity to work with Drs. Mara Sobel and Melissa Walker to examine the outcomes from the Familial Ovarian Cancer Clinic at Women’s College Hospital. We assessed the demographics of the clinic’s patient population and were particularly interested in the number of precursor lesions identified in women undergoing prophylactic salpingectomies and oophorectomies.

The results from this study will inform future decisions on how we counsel patients regarding ovarian cancer prophylaxis, and provide support for the use of the SEE-Fim pathology protocol when processing these surgical samples. This summer studentship was my first experience with clinical research and as I conducted my retrospective chart review, I could appreciate the difficult decisions that patients struggle with to minimize their risk of devastating diseases like ovarian cancer, while balancing competing concerns such as family planning and the risks of early menopause.

I am grateful to have had the chance to explore an aspect of women’s health that I am sure to carry forward into my career as a physician.
Danielle Meschino
I am a 3rd-year medical student, who had the pleasure of working with Dr. Wendy Wolfman and Dr. Alison Shea in the Department of Gynaecology and Women’s Unit at Mount Sinai Hospital. With a focus on the pharmacologic management of the genitourinary syndrome of menopause, My research allowed me to develop a greater understanding of the importance of women’s health and quality of life, especially surrounding the menopausal transition.

By working alongside the incredible staff in both units, I not only developed an appreciation for the value of expanding research and knowledge within the field, but also for the importance of patient-centred care. I could not have asked for a better introduction to the discipline of Obstetrics and Gynaecology and look forward to further exploring the specialty during my clerkship.

Jacqueline Parrish
I am very pleased to have helped conduct a cross-sectional study with the Urogynaecology Division at Mount Sinai Hospital analyzing the proportion of patients with overactive bladder who also have bothersome anxiety symptoms. The study was titled, *Is Overactive Bladder Independently Associated with Anxiety*.

I successfully recruited the entire planned cohort of 100 patients from the ambulatory clinics during the 3-month project. I was also involved in protocol development and ethics submission. I will be a co-author on the manuscript, which is in the final process of editing and submission to the International Urogynecology Journal.
Sandra Fiset
Over the past summer, I worked with the Women & Babies program at Sunnybrook Research Institute thanks to the funding provided by the Chair’s Award. My project was about the prediction of preterm birth of twins using machine learning and texture analysis of cervical ultrasound images. This involved working with a multi-disciplinary team consisting of sonographers, radiologists, maternal fetal medicine specialists, and imaging researchers. I learned as much as possible from all my team members which gave me a well-rounded perspective on the practice of medicine, and particularly obstetrics.

I am keen to incorporate what I have learned to my future studies on my path to becoming a physician. Not only did I gain amazing experience over the summer, but my project also took home the second-place prize at the Sunnybrook Research Institute poster day for Evaluative Clinical Sciences. I am very grateful to have been given this opportunity and I would like to thank all those who contributed to my experience at Sunnybrook. Thank you!

Angela Han
I am currently a 3rd-year medical student at the University of Toronto, and I had previously held an evolving interest in the field of oncology for future career and research pursuits. I sought after a summer studentship with Dr. Ferguson because of her extensive research work in gynaecologic cancers. The research project that I became involved in resonated with my interests in multiple ways. Our study, *Access to Endometrial Cancer Surgery and Outcomes in Morbidly Obese Women*, was aimed at exploring the experiences of these patients as they navigated the health care system through their cancer journey. The project introduced me to qualitative research, a field with which I was previously unfamiliar, and allowed me to more deeply reflect on the personal circumstances of cancer patients.

Over the course of the summer, we interviewed women with low-grade endometrial cancer who were also morbidly obese, and captured their insights about both the positive experiences and challenges they endured through their cancer care. The next steps of the study involve analyzing the interview transcripts and summarizing the essence of the experiences of these women. I valued the opportunity to refine how I communicate with patients on sensitive topics during interviews, which I will carry on in my future practice as a clinician. I wish to express my gratitude again for allowing me to have this amazing opportunity and I hope my research this summer will contribute in a meaningful way to the field of obstetrics and gynaecology.
My name is Michelle Anderson and I participated in the 2017 Chair's Summer Studentship Award Program in the Obstetrics and Gynaecology Department. At the end of this summer, I will be starting my 2nd-year of medical school at the University of Toronto. I have participated in 2 primary projects this summer. The first project was a study on optimal ureteric visualization at the time of pelvic reconstructive surgery. This project hit an unexpected roadblock and required Health Canada approval for the use of Vitamin B. I therefore focused on completing the paperwork required for Health Canada approval, which is still pending. Through this process, I gained a greater appreciation for the steps involved in acquiring research ethics approval, and what should be included in the review of relevant literature.

The 2nd project was research on educating patients for the management of overactive bladder using written versus verbal instructions. For this study, I was involved in patient recruitment, and data collection and entry. I was able to interact with patients and learn more about the collection of information for a clinical research project. I anticipate that once data entry is complete, which should be this fall, I will assist with manuscript preparation and present these results at the Department of Obstetrics & Gynaecology's Annual Research Day in May 2018.

Claire Stanley
This summer I had the honour of working with Dr. Amanda Selk on a research project which aims to better understand the attitudes and beliefs of women in North America surrounding placentophagy. This study was a prospective, mixed methods design using an online survey and focus groups. By better understanding women's attitudes and beliefs surrounding this increasingly popular practice we hope to direct future research about safety and efficacy. This was my first exposure to clinical research and a wonderful opportunity to learn valuable research skills.

Additionally, as I am interested in a career in obstetrics and gynaecology, I was able to gain clinical exposure with Dr. Selk, which helped to further my knowledge and interest of this field. This exposure also helped me gain an appreciation of the value of such research to patient care. I would like to thank Dr. Selk for providing me with ongoing support and mentorship along the way.
Avneet Bening

My name is Avneet Bening. I am about to enter my 3rd-year of medical school. I started my post-secondary journey at McMaster University earning my BHSc Honours degree, followed by attending University of Toronto for my BScN. I worked as a labour and delivery/postpartum RN at Sunnybrook Health Sciences Centre and absolutely loved my job. There was, however, a pesky itch I couldn’t scratch. A voice in my head whispering, “Look at what the medical students, residents and staff are doing – boy, doesn’t that look like fun?” Eventually this whisper became a roar I could no longer deny and I decided to apply to medical school.

My previous work in the obstetrical field has definitely shaped my future aspirations. Nothing I was exposed to seemed to grab hold of me quite like learning about placenta previa or pre-eclampsia. This research opportunity is gynaecology focused, allowing me to explore this aspect of the specialty further. Additionally, my goal for this summer was to get my feet wet in research, considering my past experience and exposure to gynaecology had been minimal. This opportunity provided me with just that.

I have been privileged to have an excellent PI who never fails to answer my questions and is entirely supportive in my learning. Dr. Kroft has gone above and beyond by linking me with other ongoing projects to round out my experience and provide me with exposure to research studies with differing designs and methodologies.

One thing I have learned is that the process of conducting research is not necessarily an exciting or dazzling process – it can be slow and tedious. However, if you are inspired and passionate about the problem you’re trying to solve, that tedium gives way to drive. I am motivated to answer the research question of my main project because I want to change practice and improve patient outcomes. This research project gave me the opportunity to do something I truly care about, and for that, I am grateful.

Anastasia Levinta

Invasive placentation is a relatively common complication in pregnancy and is associated with significant morbidity. It has been shown that antenatal diagnosis, as well as appropriate team-based management of delivery, reduces the risks for morbidity. However, no screening and management protocols have been established yet.

Our research focused on the development of knowledge translation (KT) tools for diagnostic protocol optimization of patients with this condition. KT refers to a systematic approach aimed to enhance the uptake of existing research findings and incorporation of these into practice, at both clinical and policy levels.

Our final selection of tools was based on the literature review comparing the effectiveness of various strategies, and included an infographic poster, an educational video, and a mobile app. Future work will focus on assessing the effectiveness of the dissemination strategies above.
**Tiahna Warkentin**

This summer I conducted research under the supervision of Dr. Berndl in the Women and Babies department at Sunnybrook Hospital. Specifically, my role included the development of a survey aimed to explore pregnancy experiences and outcomes for Little People, distributed to Little People Canada. The goal is to use the results to understand the pregnancy outcomes, including risk of preterm birth and caesarian section, for Little People, with the aim of improving evidence based antenatal care for this population. In addition, I conducted a descriptive study aimed to examine breastfeeding strategies used by women with physical disabilities. Interim results were accepted as an oral presentation at the Pacific Rim International Conference for Disability and Diversity in Honolulu. Interviews are currently ongoing. Following data analysis, the results will be used to develop breastfeeding guidelines for this population.

**Kainat Amir**

I had an incredible experience working at Sunnybrook Hospital, as well as North York General Hospital, over the summer of 2017. Working on a research project under the guidance of Dr. Elad Mei-Dan, along with the support from other supervisors and colleagues, made the work environment very comfortable and enjoyable. I found the research position to be flexible and engaging; while there was discipline and direction that allowed me to easily navigate how best to conduct my research, it still challenged me to improve on my own methods of data collection and learn statistical analysis. It was also pleasing to see the project come together, be a part of it, and to share it with others who had such innovative works of their own. I will always look back on this experience with gratitude, as it was an opportunity that allowed me to learn, to acquire valuable research skills, and to look forward to such experiences in the future.
Events, Significant Honours & Awards
The Department hosted another successful Research Day, on Friday, April 28, 2017 – our 34th Annual Research Day. This year, there were several highlights. Firstly, we moved away from conventional printed posters to electronic posters which were displayed on large HDTV screens located throughout the venue. Secondly, with the introduction of e-posters, it allowed us an expanded range of venue options, because e-posters require a smaller footprint than conventional printed posters. This year’s venue was the St. Lawrence Centre for the Arts, located in the St. Lawrence Market neighbourhood. Thirdly, we were pleased to welcome Dr. Dorothy Shaw, as our Henderson Lecturer. Dr. Shaw is a professor at the Department of Obstetrics & Gynaecology at the University of British Columbia (UBC) and is Vice-President, Medical Affairs at BC Women’s Hospital. Dr. Shaw’s presentation was entitled, *How Evidence Informs Advocacy for Women’s Health – A Lifelong Journey*.

For the 34th Annual Research Day, we had 315 people registered and 117 abstracts submitted. The Research Committee would like to thank everyone who participated, our administrative staff and volunteers, who worked hard to put it all together, and as always for those faculty members who evaluated the presentations as chairs and judges. Special thanks to Theodore J. Brown as the Deputy Chair and faculty lead for Research Day, and to Kellie Murphy as Vice-Chair, Research, for their leadership in profiling the great and enriching research and talent that our department nurtures. The 2017 J.W. Knox Ritchie Award recipients who represent the best abstract/presentation in each of the trainee categories are listed herein.
Oral Presentations

01 - Use of Audio Computer-Assisted Self-Interviews (ACASI) to Gather Information on Risk Behaviours in a Referral Population of Pregnant Adolescents
Anjali Aggarwal (1), Carol King (6), Carolyn Sheehan (6), Lisa Allen (5), Rachel Spitzer (1)

02 - A Single Course of Prenatal Glucocorticoid Treatment Modifies the Stress Response and Pituitary Gene Expression Across Two Generations
Alexandros Mouratidis (7), Alisa Kostaki (7), Stephen Matthews (7), Vasilis Moisiadis (7)

03 - The Expression of Major ECM Proteins-Collagen and Elastin- is Enhanced By Local Estrogen Therapy in Postmenopausal Women with Severe POP
May Alarab (1), Oksana Shynlova (1), Stephen Lye (3), Tanya Tyagi (1)

04 - Kidneys in a Dish: Making Kidney Organoids from Embryonic Stem Cell-Derived Renal Progenitors
Andras Nagy (1), Ian Rogers (1), Jennifer Whiteley (1), Theresa Chow (3)

05 - Increasing Pregnancy Health Services Uptake through Integrated Peer Support Groups in Kenya: A Prospective Cohort Study
Astrid Christoffersen-Deb (1), Heather Millar (1), John Snegroo (1), Rachel Spitzer (1)

06 - A Cost-Effectiveness Analysis of Preimplantation Genetic Screening with In Vitro Fertilization in Ontario, Canada.
Heather Shapiro (1), Nanette Okun (1), Rhonda Zwirgerman (5), Wanrudee Isaranuwatchai (4)

07 - Non-Anticoagulant Actions of Low-Molecular-Weight Heparin in Preeclampsia
Dora Baczyk (3), John Kingdom (1), Jovian Wat (3)

08 - Oxygen-dependent JMJD6 Regulation of Fibronectin Synthesis and Assembly in the Human Placenta
Isabella Canigga (3), Sruthi Alahari (3)

09 - Dual Trigger vs. hCG for Final Oocyte Maturation: A Prospective Randomized Controlled, Double Blinded Study – Preliminary Results
Jigal Haas (1), Rawad Bassil (1), Robert Casper (1)

10 - Feasibility and Safety of Same-day Discharge after Laparoscopic Radical Hysterectomy for Cervix Cancer
Allan Covens (1), Danielle Vicus (1), Kate Pulman (1), Lauren Philip (1), Lilian Gien (1), Rachel Kupets (1)

11 - BRCA1 Modulates Inflammatory and EGFR Signaling in Human Fallopian Tube Epithelium
Alexandra Kollara (1), Alicia Tone (10), Angela Lau (7), Barry Rosen (10), Carl Virtanen (10), Ellen Greenblatt (1), K. Joan Murphy (9), Lisa Allen (1), Terry Colgan (5), Theodore Brown (1), Tomer Feigenberg (1), Valerie Dube (8)

12 - Suboptimal Placental Perfusion is a Potential Mechanism for IUGR and Worse Perinatal Outcomes of Non-Presenting Fetuses in Dichorionic twins
Christopher Sherman (8), Eran Weiner (1), John Kingdom (1), Jon Barrett (8), Kristine Giltvedt (1), Mia Kibel (8), Michael Kahn (1), Nir Melamed (8)
Poster Presentations

013 - Matched Histological Assessment Yields Clinical Refinement Within Placental Transcriptional Subtypes of Preecclampsia
Brian Cox (7), David Grynspan (2), Katherine Leavey (7), Samantha Benton (2), Shannon Bainbridge (2)

014 - Prospective Validation of Sentinel Lymph Node Biopsy with Indocyanine Green Fluorescence Imaging in High-grade Endometrial Cancer
Allan Covens (1), Aysha Zia (1), Blaise Clarke (10), Danielle Vicus (1), Emily Van de Laar (10), Gabrielle Ene (10), Genevieve Bouchard-Fortier (1), Lilian Gien (1), Lisa Erlich (8), Mahmoud Khalifa (8), Marcus Bernardini (1), Maria Cusimano (1), Marjan Rouzbahman (10), Patricia Shaw (10), Rachel Kuptes (1), Ravi Mohan (10), Sarah Ferguson (1), Stephanie Laframboise (1), Taymaa May (1), Ur Metser (10), William Chapman (10)

Education – ePoster Session 1A

1A1 - Impact of Resident Overnight Duty Hour Changes on Obstetrical Outcomes: A Population-Based Cohort Study
Brian Liu (1), Grace Liu (1), Jamie Kroft (8), Janet Bodley (1), Michael Ordon (4)

1A2 - Modelling the Learning Curves of Incoming Surgical Trainees
Ana-Maria Iancu (1), Donna Steele (1), Eliane Shore (4), Marisa Louridas (2), Najma Ahmed (2), Natasha Seemann (2), Teodor Grantcharov (4)

1A3 - Implementation and Validation of a Retroperitoneal Dissection Curriculum
Abheha Satkunaratnam (4), Aisha Yousuf (1), Eliane Shore (4), Helena Frecker (1)

1A4 - Implementation of a New Gynaecology Curriculum in the University of Toronto Obstetrics and Gynaecology Residency Program
Aisha Yousuf (1), Eliane Shore (4), Katie Dainty (4), Sari Kives (4)

1A5 - Understanding the Experiences of Obstetrics and Gynaecology Residents Who Take Parental Leave During Training in Canada: A Needs Assessment
Amanda Selk (5), Emily Landon (1)

1A6 - Examining the Forgetting Curve and How it Affects Surgical Skills Education
Brian Liu (1), Patricia Lee (8)

1A7 - Enhancing Patient Understanding of Bladder & Kidney Infection
Juliette Dupre (8), Patricia Lee (8)

Obstetrics I – ePoster Session 1B

1B1 - Impact of Cell Saver on Allogenic Transfusion Rates at Caesarean Delivery in Women with Abnormal Invasive Placentaion
Ally Murji (5), Greg Ryan (1), John Kingdom (1), Jose Carvalho (5), Lisa Allen (1), Rory Windrim (1)

1B2 - The Effect of Maternal Antidepressants on Third Trimester Uteroplacental Hemodynamics and the Neonatal Abstinence Syndrome
Alison Shea (1), Ariel Dalfen (5), Katie McLean (1), Kellie Murphy (5)

1B3 - Characteristics of Myometrial and Decidual Chemokines Responsible for the Activation and Infiltration of Peripheral Leukocytes During Hyman Labour
Oksana Shynlova (1), Stephen Lye (3), Tali Farine (7)

1B4 - Uterine Arteriovenous Malformation: A Case Series and Review of the Literature
Eva Mocarski (4), Siddhi Mathur (1), Sophie Bussiere-Cote (1)

1B5 - Probiotic Lactobacillus Rhamnosus GR-1 Supernatant Regulates LPS-induced Cytokine Production in Human Myometrial Cells
Bona Kim (3), Oksana Shynlova (1), Stephen Lye (3)

1B6 - IUGR Phenotype Caused by Acid Sphingomyelinase Deficiency cannot be Rescued by Normal Uterine Environment
Andrea Jurisicova (3), Isidora Rovic (7)
Fertility I – ePoster Session 1C

1C1 - Impact of Preimplantation Genetic Screening on the Rate of Ultrasound-Detected First Trimester Fetal Anomalies
Agata Galewicz-Sojecki (2), Clifford Librach (1), Julia Brachtchenko (2), Larissa Kan-oof (2), Nikki Legro (2), Ran Antes (2), Sergey Moskovtsev (2), Svetlana Madjunkova (2), Valery Kuznetsov (2)

1C2 - Human Pre-implantation Embryos Exhibit Morphokinetic and Metabolic Signatures that May Predict Embryo Competency During IVF Treatment
Clifford Librach (1), Hanna Balakier (1), Parshvi Vyas (7)

1C3 - Evaluation of Dynamic FcR Expression Patterns on Human Spermatozoa: A Novel Method that May Help Determine Optimal Timing of Intrauterine Insemination
Annie Qu (1)

1C4 - Distribution of Funded IVF in Ontario: A Patient Perspective
Claire Jones (1), Tom Gotz (1)

1C5 - Neuronal Growth Factors in Human Follicular Fluid and Potential Correlation with Female Infertility
Amanda Baillargeon (2), Andree Gauthier-Fisher (2), Brandon Wyse (2), Clifford Librach (1), Khaled Zohni (1), Miranda Defer (2), Mozhgan Naeini (1), Mugundhine Sangaralingam (2), Prati Sharma (1)

1C6 - The Impact of Video-based Activity Platform on Management of Gestational Diabetes – A Randomized Controlled Trial.
Howard Berger (4), Leanne De Souza (4), Nirmala Chandrasekaran (1), Sherri Storm (4)

Stem Cells I – ePoster Session 1E

1E1 - Human Umbilical Cord Perivascular Cells Can Differentiate Toward a Schwann-like Cell Lineage: Potential Stem Cell Therapy for Peripheral Neuropathy
Andree Gauthier-Fisher (2), Clifford Librach (1), Denis Gallagher (2), Fyyaz Siddiqui (2), Jonah Librach (2), Luqmaan Moolla (2), Svetlana Madjunkova (2)

1E2 - Scyllo Inositol Does Not Affect Human Umbilical Cord Perivascular Cell Biology In Vitro: Potential for a Combination Therapy for Alzheimer’s Disease
Andree Gauthier-Fisher (2), Bojana Stefanovic (8), Clifford Librach (1), Denis Gallagher (2), Fyyaz Siddiqui (2), JoAnne McLaurin (8), Luqmaan Moolla (2), Lynsie Thomason (8)

1E3 - Intra-ovarian Injection of First Trimester Human Umbilical Cord Perivascular Cells Protects Against Chemotherapy-induced Ovarian Damage in Rat Model
Andree Gauthier-Fisher (2), Clifford Librach (1), Karen Glass (8), Khaled Zohni (1), Lianet Lopez (11), Meredith Garcia (2)

1E4 - Progesterone enhances immunoprivilege of first TM human umbilical cord perivascular cells (FTM-HUCPCVs): a new way to improve therapeutic engraftment
1E5 - Human Umbilical Cord Perivascular Cells (HUCPVC) Maintain Mesenchymal Stromal Characteristics & Regenerative Properties after Chemotherapy Exposure
Andree Gauthier-Fisher (2), Brandon Wyse (2), Clifford Librach (1), Itai Gat (1), Karen Glass (8), Khaled Zohni (1), Li (2), Natalia Yasovich (2), Noga Weizman (1), Ran Antes (2), Valeriy Kuznyetsov (2)

1F4 - Differentiating Induced Pluripotent Stem Cells into Renal Progenitors for Reseeding onto Decellularized Scaffolds of the Porcine Kidney
Aisha Mohamed (7), Ian Rogers (1), Jennifer Whiteley (1), Markus Selnzer (10), Matyas Hamar (2), Moritz Kath (10), Theresa Chow (7), Tonya Bongolan (7)

1F5 - Generation and Characterization of Induced Pluripotent Stem Cells (iPSCs) from Human Umbilical Cord Mesenchymal Stromal Cells Using Episomal 5 Reprogramming
Aisha Mohamed (7), Ian Rogers (1), Jennifer Whiteley (1), Theresa Chow (7), Tonya Bongolan (7)

1G1 - The Cumulus Cell Transcriptome is Profoundly Influenced by the Method for Triggering of Final Maturation in IVF Patients With a High Ovarian Reserve
Brandon Wyse (2), Clifford Librach (1), Ely Fish (2), Corey Kammen (2), David Yanofsky (2), Peter Szaraz (2), Yarden Gratch (2)

1G4 - VEPH1 Decreases TSC1: A Potential Modulation of mTOR Signalling
Alexandra Kollara (1), Premalatha Shathasivam (1), Suan Chin Yeo (7), Theodore Brown (1)

1H1 - Factors Influencing the Difficulty of Laparoscopic Myomectomy: A Delphi Approach
Ally Murji (5), Catherine Allaire (2), Eliane Shore (4), John Thiel (2), Marian Leung (1), Sukhbir Singh (2), Togas Tulandi (2)

1H2 - Measure to Reduce Peri- and Intra-Operative Blood Loss at Myomectomy: A Survey of Obstetrician-Gynaecologists
Deborah Robertson (1), Grace Yeung (1), Helena Frecker (1), Sari Kives (4)

1H3 - Gabapentin Reduces Opioid Use Postoperatively (“GROUP Study”): A Randomized Control Trial in Women Undergoing Reconstructive Pelvic Surgery
Adrienne Li (1), Colleen McDermott (1), Danny Lovatis (7)
1H4 - A Cost-utility Analysis of Non-surgical Treatments for the Management of Stress Urinary Incontinence in Adult Women
Alaina Garbens (2), Andrea Simpson (1), Colleen McDermott (1), Fahima Dossa (2), Nancy Baxter (4), Peter Coyte (2)

1H5 - A Novel Approach to Postoperative Pain Management in Vaginal Surgery: Bupivacaine Use in Vaginal Packing
Amanda Michael (1), Janet Bodley (1), Louise Gagnon (8), Patricia Lee (8), Rose Kung (1)

1H6 - Operating Room Utilization: A Retrospective Analysis of Operating Room Delays by Hysterectomy Approach
Andrea Simpson (1), Eliane Shore (4), Grace Yeung (1)

1H7 - The Incidence and Risk Factors for Pregnancy Among HIV-positive Adolescents Enrolled in a Large HIV Treatment Program in Western Kenya from 2005–2014
Alfred Keter (2), Alice Kaaria (2), Edith Apondi (2), Gerald Bove (2), Heather Millar (1), Juddy Wachira (2), Katherine MacDonald (2), Paula Braithwaite (2), Rachel Spitzer (1)

Sqapi (7), Robert Levitan (2), Stephen Matthews (7)

2A2 - Fetal Glucocorticoid Exposure Modifies the Blood-Brain Barrier After Birth
Margaret Eng (7), Stephen Matthews (7)

2A3 - The Effect of the Endocrine Disrupting Chemical Bisphenol A on Pro-opiomelanocortin, Circadian Rhythm, and Neuroinflammatory Marker Gene Expression
Ashkan Salehi (7), Denise Belsham (7)

2A4 - The Effect of Bisphenol A and Bisphenol S on Hypothalamic Feeding-Related NPY/AgRP Neurons
Denise Belsham (7), Emma McLwrath (7), Neruja Loganathan (7)

2A5 - Antenatal Glucocorticoid Therapy and Oxidative Stress in the Fetal Hippocampus
Alexandros Mouratidis (7), Alisa Kostaki (7), Stephen Matthews (7), Susmita Sarkar (7), Vasilis Moisiadis (7)

2A6 - Novel Approaches to Investigate the Developing Blood-brain Barrier
Andrada Naghi (7), Margaret Eng (7), Stephen Matthews (7)

2A7 - Predictive Modelling of Behaviour through Gene Expression
Alisa Kostaki (7), Andrea Constantinof (7), Stephen Matthews (7), Vasilis Moisiadis (7)

2B1 - Twice-daily vs. Four-times Daily Glucose Testing in Women with Gestational Diabetes Mellitus: Pilot Study
Alison Park (4), Howard Berger (4), Joel Ray (4), Sophie Bussiere-Cote (1)

2B2 - Rates of Gonorrhea and Chlamydia Testing Among Pregnant Women Presenting for Prenatal Care
Marina Vainder (1), Mark Yudin (1), Sari Kives (4)

2B3 - Pregnancy Outcomes Following Ulipristal Acetate Treatment for Uterine Fibroids: A Systematic Review and Multi-Center Canadian Case Series
Ally Murji (5), Angelo Vilos (2), Cassandra De Gasperis-Brigante (1), George Vilos (2), Sukhbir Singh (2)

2B4 - Iron Deficiency Anaemia in Pregnancy and Treatment Options: A Patient-preference Study
Danielle Wuebbolt (1), Hannah Thomas (1), Murray Krailn (2), Nadine Shehata (2), Rohan D’Souza (5), Vanessa Nguyen (1)

2B5 - Finding an Objective Method of Estimating Intrapartum Blood Loss
Adam Komorowski (2), Adam Rosen (1), Kristyn Dunlop (2), Rebecca Eckler (2), Rohan D’Souza (5)

2B6 - Optimal Timing of Antenatal Corticosteroids in Women with Bleeding Placenta Previa
Eman Alsawyeh (1), Jon Barrett (8), Nir Melamed (8)

2B7 - Late-Preterm Twins – Are They Facing the Same Risks as Singletons?
Elizabeth Asztalos (8), Jon Barrett (8), Mia Kibel (8), Nir Melamed (8), Shimrit Yaniv Salem (1)
### Fertility II – ePoster Session 2C

**2C1** - Is Cost a Barrier? Fertility Preservation Utilization Among Oncofertility Patients  
Eileen McMahon (5), Ellen Greenblatt (1), Tom Gotz (1)

**2C2** - Application of the haloFISH Assay to Distinguish Chromosomal (Chr) and Extrachromosomal (EC) Telomeric DNA Populations in the Human Sperm Genome  
Clifford Librach (1), Martin Komosa (6), Pamela Kurjanowicz (7), Sergey Moskovtsev (2), Uri Tabori (6)

**2C3** - Effect of the Density Gradient Centrifugation Sperm Isolation Method on Human Sperm DNA Damage  
Andrew Lee (1), Bill Yee (7), Clifford Librach (1), Junyan Zhang (1), Kirah Hahn (2), Natalia Yavovich (2), Sergey Moskovtsev (2)

**2C4** - Laboratory and Clinical Outcomes of Intracytoplasmic Sperm Injection Cycles Utilizing Sperm Obtained by Microsurgical Testicular Sperm Extraction  
Ellen Greenblatt (1), Jason Elliott (1), Keith Jarvi (5), Mileikovsky (3), Maria Shutova (3), Marina Gertsenstein (2), Puzheng Zhang (3), Qin Liang (3), Sabih Naz,rokiroglu (3)

### Gynaecology Oncology – ePoster Session 2F

**2F1** - VEGF1 Expression Decreases Vascularization in Ovarian Cancer Xenografts and Inhibits VEGFA and IL8 Expression through Inhibition of AKT Activation  
Alexandra Kollara (1), Blaise Clarke (10), Maurice Ringuette (2), Premalatha Shathasivam (1), Soyeon Park (7), Theodore Brown (1), Thomasina Spybey (7)

**2F2** - The Feasibility of Laparoscopic Surgery in Gynaecologic Oncology for Obese and Very Obese Patients  
Jessie Peng (1), K. Joan Murphy (9), Kate Pulman (1), Sarah Sinasac (9), Tomer Feigenberg (1)

**2F3** - Hematologic Toxicity in Women with BRCA Germline Mutation Undergoing Platinum-based Chemotherapy for High-grade Serous Ovarian Carcinoma  
Jeffrey Boyd (2), Joanne Kotsopoulos (1), Karla Willows (1), Marcus Bernardini (1), Ping Sun (11)

### MFM II – ePoster Session 2DI

**2D1** - Screening Healthy Nulliparous Women for Placental Disease in the Second Trimester  
Barry Hoffman (5), Emily Wright (1), John Kingdon (1), Melanie Audette (1), Prakesh Shah (5), Sarah Keating (2), Stephen Lye (3) Xiang Ye (5)

**2D2** - Role of Angiomotin (AMOT) in TGF-β Mediated Disruption of Cell Polarity in the Human Placenta  
Abby Farrell (3), Isabella Caniggia (3)

**2D3** - Cross-talk Between Oxygen and Sphingolipid Metabolism in Human and Murine Placental Development  
Isabella Caniggia (3), Julien Sallais (3)

**2D4** - A Single Sphingomyelin Species Promotes Exosomal Release of Endoglin into the Maternal Circulation in Preeclampsia  
Isabella Caniggia (3), Leonardo Ermini (1), Martin Post (6), Cynthia Maxwell (5), James Vernon (2), John Snelgrove (1), Rohan D’Souza (5), Yair Sagi (1)

**2D5** - Wound Disruption Following Caesarean Delivery in Women with Class III Obesity: A retrospective Case Control Study  
Elad Mei-Dan (12), Jon Barrett (8), Nir Melamed (8), Rebecca Jackson (1)

**2D6** - Placental Location and Preterm Birth  
Elad Mei-Dan (12), Jon Barrett (8), Nir Melamed (8), Rebecca Jackson (1)

### Stem Cells III – ePoster Session 2E

**2E1** - Transient Human Trophoblast Populations Identified through Cellular Systems Biology  
Brian Cox (7), Frances Wong (7)

**2E2** - Defining and Providing a Solution for Cell Therapy Safety  
Andras Nagy (1), Claudio Monetti (3), Eric Neely (3), Hoon-Ki Sung (6), Huijuan Yang (3), Iacovos Michael (3), Maria Mileikovsky (3), Maria Shutova (3), Marina Gertsenstein (2), Puzheng Zhang (3), Qin Liang (3), Sabih Naz,rokiroglu (3)

**2E3** - Development of Local Acting Biologics for Combined Cell and Gene Therapy to Treat Rheumatoid Arthritis  
Andras Nagy (1), Eric Neely (3)

**2E4** - Systemic and Local Modulation of the Immune Response to Allogeneic Cell Transplants  
Andras Nagy (1), Huijuan Yang (3), Ian Rogers (1)
2F4 - Impact of Surgical Stress on Advanced Ovarian Cancer Progression and Survival in Relation with Timing of Chemotherapy: Bedside to Bench
Alexandra Kollara (1), Austin Yoo Lee (1), Lin Lu (10), Taymaa May (1), Theodore Brown (1), Wei Xu (10)

2F5 - A Decision Analysis of the Treatment Strategies for Pelvic Lymph Node Positive Stage I/IB1 Cervical Cancer
Harindra Wijeysundera (2), Harry Brar (1), Nadia Roumeliotis (6), Sarah Ferguson (1), Tiffany Zigras (1)

2F6 - Sentinel Lymph Nodes in Vulvar Cancer: Management Dilemmas in Patients with Positive Nodes and Larger Tumors
Allan Covens (1), Anda Nica (1), Danielle Vicus (1), Lilian Gien (1), Matthew Cesari (8), Rachel Kupets (1), Ray Osborne (1)

2F7 - Sites of Recurrence and Their Impact on Post-recurrence Survival in Patients with Ovarian Clear Cell Carcinoma
Liat Hogen (1)

Reproductive Endocrinology II – ePoster Session 2G

2G1 - PRA and ERα Jointly Transform Quiescent Pregnant Myometrium into a Contraction Generating Muscle During Labour
Hedy Romero (2), Lubna Nadeem (3), Oksana Shynlova (1), Sam Mesiano (2), Stephen Lye (3)

2G2 - A Case Report – Treatment of Hypo Hypo Patients with Opioid

Receptor Antagonist to Induce Ovulation: A Forgotten Treatment?
Jigal Haas (1), Rawad Basil (1), Robert Casper (1)

2G3 - Plasminogen Activator Inhibitor-1 (PAI-1) in Peritoneal Fluid of Endometriosis Patients
Dan Nayot (1), Paul Chang (1), Robert Casper (1), Tsu-Bou Hsieh (1)

2G4 - Progesterone Differentially Regulates Cx43 Gap Junction Formation through its Receptors PRA and PRB in Breast Cancer Cells
Justin Rondeau (7), Lubna Nadeem (3), Stephen Lye (3)

2G5 - Regulation of the Novel Reproductive Peptide, Phoenixin, by Bisphenol A and Palmitate, but not 17β-Estradiol, in Hypothalamic Cell Models
Denise Belsham (7), Emma McIlwraith (7), Neruja Loganathan (7)

Gynaecology II – ePoster Session 2H

2H1 - Surgical Management Algorithm for Caesarean Scar Pregnancy
Ally Murji (5), Jessica Papillon-Smith (5), Jonathon Solnik (5), Kirsten Niles (5), Mara Sobel (5)

2H2 - Development of the Adult Vulvar Lichen Sclerosus Severity Scale – A Delphi Consensus Exercise
Amanda Selk (5), Michal Sheinis (1)

2H3 - Efficacy and Safety of Transdermal Estrogen and Intermittent Progesterone: A Retrospective Study
Halaa Gomaa (1), Lina Huang (1), Namshah Alburiki (1), Wendy Wolfman (1)

2H4 - Selective Progesterone Receptor Modulators (SPRMs) for Uterine Fibroids – A Cochrane Review
Ally Murji (5), Mara Sobel (5), Tiffany Chow (1)

2H5 - Bacterial Vaginosis in the Pregnant Adolescent Population: Screening and Treatment in a Dedicated Adolescent Prenatal Program
Anjali Aggarwal (1), Carol King (6), Hanna Goldberg (1), Lauren Jain (1), Lisa Allen (5), Rachel Spitzer (1)

2H6 - Impact of Introducing an Evidence-based Multidisciplinary Algorithm on the Management of Adnexal Masses in the Paediatric Population
Hanna Goldberg (1), Lisa Allen (5), Sari Kives (4)

2H7 - Registrar and Consultant Perceptions of a 24-Hour Obstetrical Call Schedule at a Teaching and Referral Hospital in Eldoret, Kenya
Astrid Christoffersen-Deb (1), Bett Kipchumba (2), Elkanah Omenge (2), Heather Millar (1), Joy Alera (2), Martha Smith (2)
J.W. Knox Ritchie Research Awards

We are pleased to announce the following winners of the 2017 J.W. Knox Ritchie Research Awards for best abstract/presentation by trainee category.

**Clinical Fellow**
John Snelgrove  
*(Supervisor: Astrid Christoffersen-Deb)*  
Increasing Pregnancy Health Services Uptake through Integrated Peer Support Groups in Kenya: A Prospective Cohort Study

**Post-Doctoral Fellow**
Lubna Nadeem  
*(Supervisor: Stephen Lye)*  
PRA and ERα Jointly Transform Quiescent Pregnant Myometrium into a Contraction Generating Muscle During Labour

**Resident**
Maria Cusimano  
*(Supervisor: Sarah Ferguson)*  
Prospective Validation of Sentinel Lymph Node Biopsy with Indocyanine Green Fluorescence Imagine in High-grade Endometrial Cancer

**Graduate Student**
Abby Farrell  
*(Supervisor: Isabella Caniggia)*  
Role of Angiomotin (AMOT) in TGF-β Mediated Disruption of Cell Polarity in the Human Placenta

**Medical/Undergraduate Student**
Ana-Maria Iancu  
*(Supervisor: Eliane Shore)*  
Modelling the Learning Curves of Incoming Surgical Trainees
The theme for Faculty Professional Development Day for 2016 was faculty mentorship and wellness. The event was held at the Vaughan Estate at the Estates of Sunnybrook on Friday, November 11th, 2016. There were over 90 faculty members in attendance. The theme of faculty mentorship and wellness was explored through a collection of small group interactive sessions, plenary and keynote lectures, and participant-led discussion groups (“unconference” sessions). Topics included peak performance and mental readiness, intentional role-modelling, mindfulness in life and medical practice, mitigating risk and managing stress during disclosure of healthcare-related harm, mentorship in clinical and research environments, ethics of authorship, sleep health, late career transitions, and thriving in academic medicine.

**Overall Goal**
To encourage faculty mentorship and wellness by presenting current knowledge, skills and strategies on the effective management of stress related to clinically challenging events, the achievement of desired career goals through genuine mentorship support, and the development of a sense of personal fulfillment and meaning in one’s work and life.

**Program Objectives**
After participation in this program, faculty members would be able to:
1. Describe skills to improve mental readiness and achieve peak performance in medical practice.
2. Use intentional role modelling to support the competency by design framework.
3. Apply principles of mindfulness to enhance professional practice and personal well-being.
4. Explain ways to manage stress brought on by patient harm and medico-legal difficulties.
5. Identify principles of establishing a mentorship program in the Department.
6. Examine impact of sleep loss on health and patient care, and sleep loss compensation.
7. Identify late career transition phenomenon and how stakeholders can take action for success.
8. Discuss effective mentorship, for mentors and mentees, in clinical and research spheres.
9. Discuss the ethics of research authorship.
10. Define “success” in academic medicine and how faculty can “thrive” in the academic culture.

The plenary opening lecture was provided by Dr. Brian Murray, an associate professor at the University of Toronto in neurology and director of the sleep laboratory at Sunnybrook Health Sciences Centre. Dr. Murray presented, *Sleep: Your Health and Clinical Practice*. The presentation addressed the basic principles of sleep physiology, the effects of sleep loss on health and the impact it has on patient care, and strategies to compensate for sleep loss.

The keynote lecture was presented by Dr. Karen Leslie. Dr. Leslie is a staff paediatrician in the Division of Adolescent Medicine at the Hospital for Sick Children and a Professor of Pediatrics at the University of Toronto. Since 2009, Dr. Leslie has been the Director of the Centre for Faculty Development. Her presentation looked at how faculty ensure that academic careers are both successful and fulfilling and how various roles academic faculty play as clinicians, educators, and researchers, are valued and supported.

This year, the organizing committee introduced a series of “unconference” sessions which were less structured small group sessions to allow for more dynamic discussion. Unconference session topics included:

- Establishing a Formal Mentorship Program in the Department of Obstetrics & Gynaecology, facilitated by Janet Bodley and Karen Leslie
- Staying Out of Trouble (When You’re in Trouble), facilitated by Tino Piscione, CMPA
- Trials and Tribulations of Authorship, facilitated by Ted Brown

Other small group session topics were:
- Peak Performance: Staying on Top of Your Game – with Ted Bober and Joy Albuquerque from the OMA Physician Health Program
- Role Modelling: Actions Speak Louder Than Words! Enhancing the Use of Intentional Role Modelling in Teaching and Learning – with Janet Bodley, Department of Obstetrics & Gynaecology
- The Mindful OBGYN: Using Mindfulness in Life and Medical Practice – led by Steven Selchen, Department of Psychiatry
- When Things Go Wrong: What are our Obligations to the Patient, and to Ourselves? – led by Tino Piscione, CMPA
- Late Career Transition: What, Why, and How? – led by Robin Richards, Department of Surgery, SHSC
- Mentorship Essentials – led by Karen Leslie, Centre for Faculty Development
- Supervising and Mentoring Graduate Research Trainees: How to Foster a Working Knowledge of Research – led by Ted Brown, Department of Obstetrics & Gynaecology
2016–2017 Graduating Class

The Graduation Ceremony & Alumni Event continues to be our most highly attended and exciting event of the year. We gathered at the University’s Hart House in the Great Hall which highlights the prestige of our program and its graduates. At this year’s ceremony, we had the past 3 department chairs, Drs. Alan Bocking, Knox Ritchie, and Walter Hannah, in attendance along with Dr. Bill Whittaker, one of the oldest residency training program graduates, who was from the graduating class of 1959. Dr. Alan Bocking addressed the graduates and also honoured Dr. Donna Steele, the departing Residency Program Director, on behalf of the Department, with his words of praise for her work and dedication to building the program and for the care she showed the residents who went through the program.

Graduating Residents 2017

Marie Christakis
Lara Gotha
Lacey Harding
John Ibrahim
Ingrid Lai
Mathew Leonardi
Carmen McCaffrey

Julie Nyugen
Kirsten Niles
Rebecca Rich
Aparna Sarangapani
Lynn Sterling
Marta Wais
Jellena Wong

We hope that our graduates will continue to stay in touch and even be involved with our Department as they proceed onto new endeavours in their careers. As always, we look forward to their great accomplishments to come.

Resident Awards

Social Responsibility Award in Global Women’s Health and Vulnerable Populations
Rebecca Rich

Excellence in Clerkship Teaching
- Maria Cusimano (PGY3)
- Kristin Harris (PGY4)
- Lynn Sterling & Mathew Leonardi (PGY5)

Society of Maternal-Fetal Medicine Resident Award for Excellence in Obstetrics
Kirsten Niles

American Association of Gynaecologic Laparoscopists (AAGL) Award
Aparna Sarangapani

North American Society for Pediatric and Adolescent Gynecology (NASPAG) Outstanding Resident Award
Lacey Harding

Dr. Frederick R. Papsin Award
Carmen McCaffrey
Faculty Awards

CREOG National Faculty Award
Mara Sobel

Neelam Sierra Resident Advocacy Award
Donna Steele

Graduating Fellows 2017

Advanced High Risk Obstetrics
Yael Ganor
Dana Vitnor

Advanced Obstetrics
Maayan Bas-Lando

Gynaecologic Reproductive Endocrinology & Infertility*
Jason Elliott
Tamas Gotz

Gynaecologic Endoscopic Surgery
Vicky Hadid

Gynaecologic Oncology*
Harinder Brar

Maternal-Fetal Medicine*
Nirmala Chandrasekaran
Shimrit Yaniv Salem
Yair Sagi
Stefania Ronzoni
Hana Alshehi
Rasheeda Al Tourshi

Mature Women’s Health & Menopause
Lina Huang

Minimally Invasive Gynaecologic Surgery**
Brian Liu

Minimally Invasive Gynaecologic Surgery – SMH
Grace Yeung
Aisha Yousuf

Paediatric & Adolescent Gynaecology
Carol King

Perinatal
Gharid Nourallah Bekdache
Nili Isserles
Gabrielle Cassir

Reproductive Sciences
Tzu-Bou Hsieh
Jigal Haas
Genevieve Genest

Reproductive Sciences & Infertility
Khalid Zohni

Urogynaecology & Reconstructive Pelvic Surgery
Andrea Santiago

Global Women’s Health & Equity
Heather Millar

* Royal College of Physicians and Surgeons of Canada accredited program
** American Association of Gynaecologic Laparoscopists accredited program
SIGNIFICANT HONOURS & AWARDS

2016–2017 Department Awards

Chair’s Awards

Excellence in Undergraduate Teaching
Dini Hui

Excellence in Postgraduate Teaching
Mark Yudin

Excellence in Integrated Undergraduate Teaching
Kooyeon Chun

Excellence in Integrated Postgraduate Teaching
Anjali Aggarwal

Excellence in Postgraduate Program Development/Innovation
Tatiana Freire-Lizama

Outstanding Research Potential
Danielle Vicus

Sustained Excellence in Research
Andras Nagy

Excellence in Research Facilitation
Eliane Shore

Excellence in Continuing Medical Education Teaching
Michael Shier

Excellence in Continuing Medical Education Course Coordination
Rachel Spitzer & Lisa Allen

Awards for Undergraduate Teaching Excellence

Brampton Civic Hospital
Kiran Sahi

Credit Valley Hospital
Amanda Cipolla

Etobicoke General Hospital
Rebecca Cash

Michael Garron Hospital
Anjali Aggarwal

Mississauga Hospital
Dalip Bhangu

Mount Sinai Hospital
Ally Murji

Mount Sinai Hospital
Lindsay Shirreff

North York General Hospital
Lynne Zolis

Sunnybrook Health Sciences Centre
Dini Hui

St. Joseph’s Health Centre
Clarissa Bambao

St. Michael’s Hospital
Eva Mocarski

The Scarborough Hospital
Haidar Mahmoud

Carl Nimrod Award
Melanie Ornstein
Research Grants & Investigations
PEER-REVIEWED GRANTS

Over $10,000
PI=Principal Investigator


Caniggia I (PI). The Dynamic Role of the Oxygen/TGFβ Axis in Regulating Sphingolipid Metabolism during Placental Development. Natural Sciences and Engineering Research Council (NSERC), Discovery Grant. $150,000 CAD. April 2015 – March 2021.


Gien LT (PI), Barbera L, Kupets R. Merit Award for The GHROW Program – Gynecologic Oncology Health Services Research for Women. University of Toronto, Department of Obstetrics & Gynecology. $80,000 CAD. July 2016 – June 2018.

Jumah NA (PI), MR-HIFU for Uterine Fibroids Clinical Trial. PSI Foundation Graham Farquharson Knowledge Translation Fellowship. $450,000 CAD. January 2014 – December 2016.


Kewan J (PI), Macgowan C. Developing Community Driven Consensus for Infant Feeding in HIV in Canada. Canadian Institutes of Health Research, Planning and Dissemination Grant. $20,000 CAD. 2016.


McLaurin J (PI), Stefanovic B, Librach CL. Combination Therapy for Vascular Regeneration in a Model of Sporadic AD. The Weston Brain Institute, Grant. $15,000 CAD. December 2015 – July 2017.


Murji A (Co-PI), Shirreff L (Co-PI), Brown A. Greater Toronto Area Surgical Gynaecology Quality Scorecard. Mount Sinai Hospital, University Health Network Academic Medical Organization. $177,867 CAD. April 2017 – March 2019.


Murray-Davis B (Co-PI), Melamed N (Co-PI), Berger H, Barrett J, Geary M, Ray J, McDonald S. Non-communicable Diseases...
in Obstetrics: Improving Quality of Care and Maternal Infant Outcomes through an Obstetrical Research Network. Canadian Institutes of Health Research (CIHR). $1,500,000 CAD. April 2016 – March 2021.


Ray J (Co-PI), Geary M (Co-PI), Berger H. Optimizing the Use of ASA Prophylaxis among Ontario Women at High Risk for Preeclampsia. Academic Funding Program Innovation Funds. $17,968.75 CAD. April 2016 – April 2017.


Rogers I (PI). Production of Clinical Grade iPSC Cells from Umbilical Cord Blood and Tissue. Ontario Centres of Excellence. $300,000 CAD. May 2016 – April 2018.


Seed M (PI), Miller S (Co-PI), Honsberger L, Kingdom JC, McGowan C. Maternal Hyperoxygenation in Congenital Heart Disease. Thrasher...
ANNUAL REPORT 2016/17

Peers-reviewed Grants

Research Fund. $248,613 USD. May 2016 – April 2019.


Peer-Reviewed Publications


ANNUAL REPORT 2016/17 79


Farine T, Lye S, Shynlova O. Peripheral Maternal Leukocytes are Activated in Response to Factors Secreted by Pregnant Human Uterine Tissues. Cel Mol Immunology. 2017 May [Epub ahead of print]


Gien LT, Sutradhar R, Thomas G, Covens A, Elit L, Fyles A, Rakovitch E, Khalifa MA,


Pham A, Melchior M. Five Things to Know About...Screening for Fetal Congenital Heart Disease. CMAJ March 27, 2017; 189 (12): E468.


Rennie MY, Whiteley KJ, Adamson SL, Sled J. Quantification of Gestational Changes in the Utero-placental...


Yudin MH, Kennedy VL, MacGillivray SJ. HIV and Infant Feeding in Resource-rich Settings: Considering the Clinical Significance of a Complicated Dilemma. AIDS Care. 28(8);1023-6:2016.


Ferguson S. Cancer Care Ontario Interventions to Address Sexual Problems in People with Cancer. Cancer Care Ontario; 2016 Jul 15.


Solnik MJ. Papillon-Smith J. Evaluation of Primary Amenorrhea.
Invited Lectures
& Visiting Professorships
INTERNATIONAL LECTURES


Allen L. Menstrual and Contraceptive Issues among Young Women with Developmental Delay. 3rd International PAG/COMEUGO - 1st Regional Meeting NASPAG. Mexico City, Mexico, September 2016.

Allen L. Mullerian Duct Anomalies in Children and Adolescents. 3rd International PAG/COMEUGO - 1st Regional Meeting NASPAG. Mexico City, Mexico, September 2016.

Allen L. Functional Outcomes after Creation of a Neovagina with Laparoscopic Davydov in Patients with Vaginal Agenesis. 3rd International PAG/COMEUGO - 1st Regional Meeting NASPAG. Mexico City, Mexico, September 2016.


Covens A. IGCS Global Curriculum. GCIG. Lisbon, Portugal, October 2016.


Farine D. Multiple Pregnancy: Optimal Mode and Timing of


Farine D. Sex and Pregnancy. 1st World Congress of Maternal Fetal Neonatal Medicine from Periconception to Early Infancy. London, United Kingdom, April 2017.


Farine D. Fetal Movement Assessment – One of the Rarely Used Diagnostic Tests. First East European Summit of Obstetricists and Gynecologists. Moscow, Russia, May 2017.


Lee SK. Improving Quality in the NICU. REASON
Lee SK. Family as Caregivers in the NICU. REASON Conference. Coventry, United Kingdom, July 2016.


Lee SK. Perinatal Rounds, Birmingham Women’s Hospital. Birmingham, United Kingdom, July 2016.

Lee SK. Family as Caregivers in the NICU. REASON Conference. Coventry, United Kingdom, July 2016.


Treatement of Diabetes. 3rd Banting and Best Diabetes Centre Meeting. Boston, MA, USA, November 2016.

Nagy A. Combining Gene and Cell Therapies to Treat Degenerative Diseases. Overcoming the Obstacles. The Eye Center of The Second Affiliated Hospital of Zhejiang University. Zhejiang, Wenzhou, China, November 2016.


Rogers I. New Advances in Umbilical Cord Blood Therapies. North Shore Private Hospital, Mater Hospital, Prince of Wales Private Hospital, Royal Hospital for Women. Sydney, Australia, May 2017.


Yudin M. Zika Virus and the Placenta: Implications for Pregnancy Care Provider. Israeli Society of Maternal Fetal Medicine and Israel Society for Placenta Research. Tel Hashomer Hospital, Sheba Medical Center. Ramat Gan, Israel, June 2017.

Yudin M. Trauma-informed Reproductive Care for People Living with HIV and Those at Risk. HIVE and UCSF Grand Rounds. UCSF at Zuckerberg San Francisco General Hospital and Trauma Center. San Francisco, CA, USA, May 2017.

NATIONAL LECTURES


Lee SK. Parents as Caregivers in the NICU. CME Activity at University of Calgary. Calgary, AB, Canada, March 2017.


Librach CL. Should Genetic Carrier Testing be Offered to all Couples Getting Fertility Care? Canadian Fertility and Andrology Society Meeting. Toronto, ON, Canada, September 2016.


May T. If Complete Cytoreduction to Microscopic Residual isn’t Feasible, Should Primary Cytoreduction be Aborted? The Society of Obstetricians and Gynaecologists of Canada, 73rd Annual Clinical and Scientific Conference. Ottawa, ON, Canada, June 2017.


Selk A. LSIL. Society of Obstetrics and Gynaecology, 73rd Annual Clinical and Scientific Meeting. Ottawa, ON, Canada, June 2017.

Selk A. Where to Biopsy. Society of Obstetrics and Gynaecology, 73rd Annual Clinical and Scientific Meeting. Ottawa, ON, Canada, June 2017.


Yudin M. Vaccination in Pregnancy. 73rd Annual Clinical Meeting, Society of Obstetricians and Gynecologists of Canada. Ottawa, ON, Canada, June 2017.


LOCAL LECTURES


Interhospital Rounds, St. Michael’s Hospital. Toronto, ON, Canada, April 2017.


Bernardini MQ. Surgical Management of Epithelial Ovarian Cancer. AstraZeneca Preceptorship Lectures, Princess Margaret Cancer Centre. Toronto, ON, Canada, October 2017.

Bernardini MQ. Optimizing Initial Clearance in Advanced Ovarian Cancer. Humber River Hospital, Department of Obstetrics and Gynaecology. Toronto, ON, Canada, October 2017.

Brown TJ. Research Opus. Resident Orientation, University of Toronto, Department of Obstetrics and Gynaecology. Toronto, ON, Canada, June 2017.

Brown TJ. Mentoring and Supervising Research Trainees: How to Foster a Working Knowledge of Research. Faculty Development Day, University of Toronto, Department of Obstetrics & Gynaecology. Department Toronto, ON, Canada, November 2016.

Brown TJ. The Trials and Tribulations of Authorship. Faculty Development Day, University of Toronto, Department of Obstetrics & Gynaecology. Department Toronto, ON, Canada, November 2016.

Brown TJ. Human Research Ethics. Graduate Student Orientation, University of Toronto, Department of Physiology. Toronto, ON, Canada, September 2016.

Brown TJ. Grant Writing, Research Process and Pearls. Fellows Research Course, University of Toronto, Department of Obstetrics & Gynaecology. Toronto, ON, Canada, September 2016.


D’Souza R. Hypertensive Disorders in Pregnancy. High Risk Course for Labour and Delivery, Mount Sinai Hospital. Toronto, ON, Canada, April 2017.

D’Souza R. Induction for Macrosomia: When to Deliver. 15th Annual Refresher in Primary Maternity Care, University of Toronto. Toronto, ON, Canada, September 2016.


D’Souza R. Decision Analysis. Health Research Course, Mount Sinai Hospital, Department of Obstetrics & Gynaecology, Toronto, ON, Canada, September 2016.


Freire-Lizama T. ICP. Grand Rounds, Credit Valley Hospital. Toronto, ON, Canada, June 2017.


Gien LT. Optimizing Workup and Referral for Postmenopausal Bleeding and Uterine Masses. Cancer Care Ontario Communities of Practice. Toronto, ON, Canada, March 2017.


Jones C, Chan C. Travel in Pregnancy. Refresher in Primary Maternity Care. Mount Sinai Hospital, Continuing Medical Education. Toronto, ON, Canada, May 2017.

Jones C. IVF 101 – The Ontario Aspect. 25th Annual New Developments in Prenatal Diagnosis and Medical Genetics. Mount Sinai Hospital, Continuing Medical Education. Toronto, ON, Canada, May 2017.


Jones C. LGBTQ Family Building. Clinical Evaluation and Treatment of Infertility. Mount Sinai Hospital, Continuing Medical Education. Toronto, ON, Canada, September 2016.

Jones C, Chan C. Be it Resolved that Social Egg Freezing Should be Offered to all Patients and is a way to Provide Women Reproductive Autonomy. Mount Sinai Hospital, Continuing Medical Education. Toronto, ON, Canada, September 2016.

Jumah NA. Women’s Reproductive Health Research at the Thunder Bay Regional Health Sciences Centre. PSI Foundation Annual General Meeting. Toronto, ON, Canada, April 2017.


Jumah NA. Motherhood under


Kingdom JC. Maternal Circulating Angiogenesis-Regulating Proteins (PLGF and sFlt-1): Improving Care for Women at Risk of Pre-eclampsia. Grand Rounds, Mount Sinai Hospital, Department of Obstetrics & Gynaecology. Toronto, ON, Canada, February 2017.


Kingdom JC. Morbidly Adhering Placentas. Sonographer Rounds, Mount Sinai Hospital. Toronto, ON, Canada, December 2016.


Laframboise S. Diagnosis and work-up of suspicious ovarian neoplasms. Inaugural MyGOALS: Multidisciplinary Gynecologic Oncology Annual Lecture Series. Toronto, ON, Canada, March 2017.


Lausman A. New Concepts in IUGR. Queens University, Continuing Medical Education Day. Kingston, ON, Canada, October 2016.


Maxwell C. Maternal Obesity. Grand Rounds, Sunnybrook Health Sciences Centre. Toronto, ON, Canada.

Maxwell C. Expecting the Unexpected: A Case of Ulcerative Colitis. Maternal Fetal Medicine, Patient Care Conference. Toronto, ON, Canada, August 2016.


May T. Advances in Minimally Invasive Surgery in Gynecologic Oncology. Gynecologic Oncology Multidisciplinary Tumor Board, Princess Margaret Cancer Centre. Toronto, ON, Canada, September 2016.

McDermott CD. Managing your Patients’ Pelvic Floor. Everyday Gynaecology Conference, University of Toronto. Toronto, ON, Canada, November 2016.

McDermott CD. McDermott CD. ANNUAL REPORT 2016/17 101

Lee SK. Networks for Research and Quality Improvement. CAGS. Toronto, ON, Canada, February 2017.

Lee SK. Networks for Research and Quality Improvement. CAGS. Toronto, ON, Canada, February 2017.
Urogynecologist’s Approach to Chronic Pelvic Pain.
Pelvic Health Solutions 4th Annual Symposium. Toronto, ON, Canada, April 2017.

Meffe F. Providing Medical Learners with Feedback.
Department of Obstetrics and Gynecology Journal Club, Trillium Health Partners. Mississauga, ON, Canada, September 2016.

Meffe F. Menorrhagia and Anemia: Old Friends. Women’s Health Symposium, St. Michael’s Hospital. Toronto, ON, Canada, February 2017.

Melamed N. Defining Fetal Growth. 5th International Fetal Growth Meeting. Toronto, ON, Canada, November 2016.


Moskovtsev SI. Automated Method to Identify Rare Sperm in Azoospermic in mTESE Sample. Fertility Rounds, Mount Sinai Hospital. Toronto, ON, Canada, March 2017.

Moskovtsev SI. Introduction at Spermatogenesis and Andrology. University of Toronto, Department of Engineering. Toronto, ON, Canada, January 2017.

Moskovtsev SI. Laboratory Evaluation of Male Fertility. Urology Department Rounds, Mount Sinai Hospital. Toronto, ON, Canada, January 2017.

Moskovtsev SI. Spermatogenesis PSL 420F/1420F Reproductive Physiology. University of Toronto, Department of Physiology. Toronto, ON, Canada, October 2016.


Murphy KE. Late Preterm Steroids. 2017 Refresher in Primary Maternity Care. Mount Sinai Hospital. Toronto, ON, Canada, May 2017.

Murphy KE. Zika in Pregnancy. Obstetric Medicine Rounds, Mount Sinai Hospital. Toronto, ON, Canada, April 2017.


Murphy KE. Case Based Learning – Hepatitis B. Mount Sinai Hospital. 12th Annual Everyday Gynaecology Conference – The Management of Common Gynaecologic Conditions. Toronto, ON, Canada, November 2106.


Nagy A. Stem Cells “R” Us. 1st Sun Life Gene Academic Program in Medical Science, High School Student Competition Research Day. Toronto, ON, Canada, September 2016.


Rogers I. Stem Cells for Drug Discovery, Cell Therapy and Whole Organ Production. Physiology summer student talk, University of Toronto. Toronto, ON, Canada, June 2017.

Rogers I. Building a Pancreas with Stem Cells and an Acellular Pancreas. Banting and Best Diabetes Centre. Toronto, ON, Canada, June 2017.


Rogers I. Using Urine Derived iPSC to Treat Incontinence. Regenerative Medicine Coffee Hour with Dr. Kellie Murphy. Toronto, ON, Canada, June 2017.


Rogers I. Induced Pluripotent Stem Cells from Urine. Urogynecology Rounds, Sinai Health System. Toronto, ON, Canada, November 2016.

Rogers I. Stem Cells from Umbilical Cord Blood and Tissue have Therapeutic Properties. Obstetrics and Gynecology Group, Centenary Hospital. Toronto, ON, Canada, November 2016.


Sallais J, Caniggia I. Cross-Talk between Oxygen and Sphingolipid Metabolism In Human And Murine Placental Development. 34th Annual Research Day, University of Toronto Department of Obstetrics & Gynaecology. Toronto, ON, Canada, April 2017.


Selk A. The Aging Vulva. University of Toronto and Mount Sinai Hospital, Department of Obstetrics & Gynaecology, 13th Annual Mature Women’s Health Care. Toronto, ON, Canada, April 2017.


Solnik J. Advances in Female Pelvic Medicine and Reconstructive Pelvic Surgery.
University of Toronto. Toronto, ON, Canada, May 2016.


Van Mieghem T. Are our Caesarean Section Rates Too High. Society of Obstetricians and Gynaecologists of Toronto Debate. Toronto, ON, Canada, October 2016.


Yudin M. Vaginitis: How to Manage this Common Problem. Resident Teaching Lecture Series, University of Toronto, Department of Obstetrics and Gynecology. Toronto, ON, Canada, April 2017.

Yudin M. Viral Infections in Pregnancy. Toronto East Health Network Drugs and Therapeutics Update, Michael Garron Hospital. Toronto, ON, Canada, April 2017.


Yudin M. Preconception Counseling in the Zika Area. St. Michael's Hospital Annual Women's Health Symposium. St. Michael's Hospital, University of Toronto, Department of Obstetrics and Gynecology. Toronto, ON, Canada, February 2017.

Yudin M. Zika Virus and Pregnancy: More Questions than Answers. Scarborough Hospital, Continuing Medical Education. Toronto, ON, Canada, January 2017.

Yudin M. Vaginitis: Management for the Family Doctor. Family Practice Academic Half Day, St. Michael's Hospital, University of Toronto, Department of Family Practice. Toronto, ON, Canada, July 2016.

Yudin M. HIV: Clinical Care Here and Abroad. Global Refugee and Immigrant Women’s Health Continuing Medical Education Course. University of Toronto, Department of Obstetrics and Gynecology. Toronto, ON, Canada, May 2016.


Local Lectures
Presentations
INTERNATIONAL ABSTRACT PRESENTATIONS


Bernardini MQ, Gien LT, Giede C, Samouelian V, Steede H, Ferguson SE,


Iqbal F, Szaraz P, Kenigsberg S, Gauthier-
Fisher A, Librach CL. First Trimester Umbilical Cord Perivascular Cells (FTM HUCPVCs) Maintain High Expression Levels of Angiogenic Factors and have Superior Pro-angiogenic Effects on Endothelial Networks when Compared to Term HUCPVCs and BMSCs in an Ex-vivo Rat Aortic Ring Assay. Basic Cardiovascular Sciences Scientific Sessions. Phoenix, AZ, USA, July 2016.


Kolomietz E, Alayed N, Okun N, Chitayat D, Noor A. Chromosomal Microarray as a First Tier Test Following Diagnostic Prenatal Procedure. The Toronto Mount Sinai Hospital Experience. 44th Biennial American Cyto genetics Conference. Sunriver, OR, USA, June 2016.


Myles-Reid, Chitayat D, Kolomietz E. Successful Use of Preimplantation Diagnosis for a Rare de Novo Chromosomal Rearrangement Involving a Ring Chromosome 11 with a Neocentromere. 21st International Conference on Prenatal Diagnosis and Therapy. San Diego, CA, USA, July 2017.


Nguyen V, Wuebbolt D, Thomas H, Murphy KE, D’Souza R. Iron Deficiency Anaemia


Selk A, Dogra N, Antanrajakumar A, Sarangapani A. Vulvovaginal Education in North American Gynaecology


Van Mieghem T, Jamer E, Ranzini A. Aberrant Right Subclavian Artery: Correlation with Fetal and Neonatal Abnormalities. 20th International Conference on Prenatal Diagnosis and Therapy. Berlin, Germany, July 2016.


Viau-Lapointe J, Kfouri J, D’Souza R, Rose L, Lapinsky S. Outcome Reported in Studies on Mechanical Ventilation in


NATIONAL ABSTRACT PRESENTATIONS


Furmli H, Seeto R, Hewko S, Bocking AM, Murphy KE. Mental Health Outcomes in Assisted versus Natural Conception: A Prospective Cohort Study. Society of Obstetricians and Gynaecologists of Canada, 73rd Annual Clinical and Scientific Conference. Ottawa, ON, Canada, June 2017.


Kibschull M, Nguyen T, Chow C, Lye S, Drutz H, Alarab M, Rogers I, Shynlova O. Urine-derived Induced Pluripotent...


Vancouver, BC, Canada, October 2016.


Ottawa, ON, Canada, June 2017.


Yousuf AA, Frecker H, Satkunaratnam A, Shore EM. The Development


Audette MC, Wright E, Ye XY, Keating S, Hoffman B, Shah PS, Kingdom JC. Screening Healthy Nulliparous Women for Placental Disease in the Second Trimester. 5th International Fetal Growth Meeting. Toronto, ON, Canada, November 2016.


Fanti A, Rogers I. Developing a 3D Culture System Using Decellularized Pancreas to Support the Growth and Differentiation of iPSC Derived Islets. Banting and Best Diabetes Centre. Toronto, ON, Canada, August 2016.

Fanti A, Rogers I. Developing a 3D Culture System Using Decellularized Pancreas to Support the Growth and Differentiation of iPSC Derived Islets. Queens University, Research Mentorship Course. Kingston, ON, Canada, April 2017.

Fanti A, Rogers I. Developing a 3D Culture System Using Decellularized Pancreas to Support the Growth and Differentiation of iPSC Derived Islets. Banting and Best Diabetes Centre. Toronto, ON, Canada, June 2017.


Inflammatory and EGRF Signaling in Human Fallopian Tube Epithelium. Department of Obstetrics & Gynaecology, University of Toronto, 34th Annual Research Day. Toronto, ON, Canada, April 2017.


During IVF Treatment. Department of Obstetrics & Gynaecology, University of Toronto, 34th Annual Research Day. Toronto, ON, Canada, April 2017.


<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>ACR</td>
<td>American Association for Cancer Research</td>
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<tr>
<td>AAGL</td>
<td>American Association of Gynaecologic Laparoscopists</td>
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<td>AAP</td>
<td>American Academy of Paediatrics</td>
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<td>ABOG</td>
<td>American Board of Obstetrics and Gynaecology</td>
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<td>ABU</td>
<td>American Board of Urology</td>
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<tr>
<td>ACOG</td>
<td>American Congress of Obstetricians and Gynaecologists</td>
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<td>AEPC</td>
<td>Association for European Paediatric Cardiology</td>
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<td>AHA</td>
<td>American Heart Association</td>
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<td>AHFMR</td>
<td>Alberta Heritage Foundation for Medical Research</td>
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<td>AHSC</td>
<td>Academic Health Sciences Centres</td>
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<td>AIUM</td>
<td>American Institute of Ultrasound in Medicine</td>
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<tr>
<td>AMPATH</td>
<td>Academic Model Providing Access to Healthcare</td>
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<tr>
<td>APGO</td>
<td>Association of Professors of Gynaecology and Obstetrics</td>
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<td>APOG</td>
<td>The Association of Academic Professionals in Obstetrics and Gynaecology of Canada</td>
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<tr>
<td>ASBMR</td>
<td>American Society for Bone and Mineral Research</td>
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<td>ASCCP</td>
<td>American Society for Colposcopy and Cervical Pathology</td>
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<td>ASCP</td>
<td>American Society for Clinical Pathology</td>
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<td>ASCO</td>
<td>American Society of Clinical Oncology</td>
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<td>ASHG</td>
<td>American Society of Human Genetics</td>
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<td>ASRM</td>
<td>American Society for Reproductive Medicine</td>
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<td>AWHONN</td>
<td>Association of Women’s Heath, Obstetric and Neonatal Nurses</td>
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<tr>
<td>BICOG</td>
<td>British International Congress of Obstetrics and Gynaecology</td>
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<tr>
<td>CFAS</td>
<td>Canadian Fertility and Andrology Society</td>
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<td>CAGS</td>
<td>Canadian Association of General Surgeons</td>
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<td>CAHR</td>
<td>Canadian Association of HIV Research</td>
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<td>CAHSPR</td>
<td>Canadian Association for Health Services and Policy Research</td>
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<td>CanDIPS</td>
<td>Canadian Diabetes in Pregnancy Study Group</td>
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<td>CANN</td>
<td>Canadian Association of Neonatal Nurses</td>
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<td>CANPAGO</td>
<td>Canadian Paediatric and Adolescent Gynaecology and Obstetricians (SOGC)</td>
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<td>CAPHC</td>
<td>Canadian Association of Paediatric Health Centres</td>
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<td>CAPRI</td>
<td>Canadian Alliance for Paediatric Rheumatology Investigators</td>
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<td>CAPSNet</td>
<td>Canadian Paediatric Surgery Network</td>
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<td>CAR</td>
<td>Canadian Association of Radiologists</td>
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<td>CERM</td>
<td>The Canadian Resident Matching Service</td>
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<td>CARO/ACRO</td>
<td>Canadian Association of Radiation Oncology</td>
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<td>CBCF</td>
<td>Canadian Breast Cancer Foundation</td>
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<tr>
<td>CBCRA</td>
<td>Canadian Breast Cancer Research Alliance</td>
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<td>CCASN</td>
<td>Canadian Congenital Anomalies Surveillance Network</td>
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<tr>
<td>CCC</td>
<td>Canadian Cardiovascular Congress</td>
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<td>CCHCSP</td>
<td>Canadian Child Health Clinician Scientist Program</td>
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<td>CFPC</td>
<td>College of Family Physicians of Canada</td>
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<td>CCME</td>
<td>Canadian Conference on Medical Education</td>
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<td>CCMG</td>
<td>Canadian College of Medical Genetists</td>
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<td>CCMS</td>
<td>Chinese Canadian Medical Society (Ontario)</td>
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<td>CCO</td>
<td>Cancer Care Ontario</td>
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<td>COGCR</td>
<td>Canadian Conference on Ovarian Cancer Research</td>
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<td>CCSRI</td>
<td>Canadian Cancer Society Research Institute</td>
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<tr>
<td>CDA</td>
<td>Canadian Diabetes Association</td>
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<tr>
<td>CEPO</td>
<td>Continuing Education and Professional Development (University of Toronto)</td>
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<tr>
<td>CERI</td>
<td>Canadian Epilepsy Research Initiative</td>
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<tr>
<td>CFPC</td>
<td>College of Family Physicians of Canada</td>
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<tr>
<td>CFRC</td>
<td>Centre for Fertility and Reproductive Care (MSH)</td>
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<tr>
<td>CHI</td>
<td>Canada Health Infoway</td>
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<td>CHU</td>
<td>Centre hospitalier universitaire Sainte-Justine</td>
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<tr>
<td>CIHR</td>
<td>Canadian Institutes of Health Research</td>
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<tr>
<td>CMAS</td>
<td>The Centre for Minimal Access Surgery</td>
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<td>CMICR</td>
<td>The Centre for Mother, Infant, and Child Research</td>
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<tr>
<td>COGI</td>
<td>World Congress on Obstetrics, Gynaecology and Infertility</td>
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<tr>
<td>COMEGO</td>
<td>Colegio Mexicano de Especialistas en Ginecologia y Obstetricia, A.C.</td>
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<tr>
<td>COSA</td>
<td>Clinical Oncological Society of Australia</td>
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<td>CPA</td>
<td>Canadian Physiotherapy Association</td>
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<td>CPAC</td>
<td>Canadian Partnership Against Cancer</td>
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<td>CPS</td>
<td>Canadian Paediatric Society</td>
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<tr>
<td>CREMS</td>
<td>Comprehensive Research Experience for Medical Students</td>
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<tr>
<td>CREDG</td>
<td>Council on Resident Education in Obstetrics and Gynaecology</td>
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<tr>
<td>CSEM</td>
<td>Canadian Society of Endocrinology and Metabolism</td>
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<td>CSMFM</td>
<td>Canadian Society of Maternal Fetal Medicine</td>
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<td>CSTM</td>
<td>Canadian Society for Transfusion Medicine</td>
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<td>CTN</td>
<td>CIHR, Canadian HIV Trials Network</td>
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<td>Abbreviation</td>
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<tr>
<td>CUA</td>
<td>Canadian Urologic Association</td>
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<td>DPSG</td>
<td>Diabetic Pregnancy Study Group</td>
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<td>EASD</td>
<td>European Association for the Study of Diabetes</td>
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<td>ECNP</td>
<td>European College of Neuropsychopharmacology</td>
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<td>EORTC</td>
<td>European Organisation for Research and Treatment of Cancer</td>
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<td>EPA</td>
<td>European Placenta Group</td>
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<td>ESC</td>
<td>European Society of Cardiology</td>
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<td>ESCE</td>
<td>European Society for Gynecological Endoscopy</td>
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<td>ESHRE</td>
<td>European Society of Human Reproduction and Embryology</td>
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<tr>
<td>FAIS</td>
<td>Federation of African Immunological Societies</td>
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<td>FAOPS</td>
<td>Federation of Asian and Oceania Perinatal Societies</td>
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<td>FCMS</td>
<td>Federation of Chinese American and Chinese Canadian Medical Societies</td>
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<tr>
<td>FIGO</td>
<td>International Federation of Gynecology and Obstetrics</td>
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<td>FMWC</td>
<td>Federation of Medical Women of Canada</td>
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<tr>
<td>FORCE</td>
<td>Facing Our Risk of Cancer Empowered</td>
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<tr>
<td>GAPPS</td>
<td>Global Alliance to Prevent Prematurity and Stillbirth</td>
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<tr>
<td>GOG</td>
<td>The Society of Gynecologic Oncology of Canada</td>
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<td>GOGO</td>
<td>Gynecologic Oncology Group Ontario</td>
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<td>GREI</td>
<td>Gynecologic Reproductive Endocrinology &amp; Infertility</td>
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<tr>
<td>HHR</td>
<td>Health and Human Relations</td>
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<td>HSFO</td>
<td>Heart and Stroke Foundation of Ontario</td>
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<td>HUPO</td>
<td>Human Proteome Organisation</td>
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<tr>
<td>IBD</td>
<td>Inflammatory Bowel Disease</td>
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<tr>
<td>ICAAC</td>
<td>Interscience Conference on Antimicrobial Agents and Chemotherapy</td>
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<tr>
<td>ICONN</td>
<td>The International Collaboration of Neonatal Networks</td>
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<td>ICS</td>
<td>International Continence Society</td>
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<td>ICHG</td>
<td>International Congress of Human Genetics</td>
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<td>IDSA</td>
<td>Infectious Diseases Society of America</td>
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<tr>
<td>IDSOG</td>
<td>Infectious Diseases Society for Obstetrics and Gynecology</td>
</tr>
<tr>
<td>IEEE</td>
<td>Institute of Electrical and Electronics Engineers</td>
</tr>
<tr>
<td>IFMSS</td>
<td>The International Fetal Medicine and Surgery Society</td>
</tr>
<tr>
<td>IFPA</td>
<td>International Federation of Placenta Associations</td>
</tr>
<tr>
<td>IGORS</td>
<td>International Gynecologic Oncology Robotic Symposium</td>
</tr>
<tr>
<td>IGCS</td>
<td>International Gynecologic Cancer Society</td>
</tr>
<tr>
<td>IHDCYH</td>
<td>Institute of Human Development, Child and Youth Health</td>
</tr>
<tr>
<td>IMS</td>
<td>International Menopause Society</td>
</tr>
<tr>
<td>INTAPP</td>
<td>An International Trial of Antioxidants in the Prevention of Preeclampsia</td>
</tr>
<tr>
<td>IPEG</td>
<td>International Paediatric Endoscopy Group</td>
</tr>
<tr>
<td>IPE</td>
<td>Interprofessional Education</td>
</tr>
<tr>
<td>IPOS</td>
<td>International Psycho-Oncology Society</td>
</tr>
<tr>
<td>ISDS</td>
<td>International Skeletal Dysplasia Society</td>
</tr>
<tr>
<td>ISMRM</td>
<td>The International Society for Magnetic Resonance in Medicine</td>
</tr>
<tr>
<td>ISSCR</td>
<td>International Society for Stem Cell Research</td>
</tr>
<tr>
<td>ISSHP</td>
<td>The International Society for the Study of Hypertension in Pregnancy</td>
</tr>
<tr>
<td>ISSTD</td>
<td>International Society for the Study of Trophoblastic Diseases</td>
</tr>
<tr>
<td>IUGA</td>
<td>International Urogynaecological Association</td>
</tr>
<tr>
<td>LHIN</td>
<td>Local Health Integration Network</td>
</tr>
<tr>
<td>LTRI</td>
<td>Lunenfeld-Tanenbaum Research Institute</td>
</tr>
<tr>
<td>MEFS</td>
<td>Middle East Fertility Society</td>
</tr>
<tr>
<td>MICYRN</td>
<td>Maternal Infant Child and Youth Research Network</td>
</tr>
<tr>
<td>MSH</td>
<td>Mount Sinai Hospital</td>
</tr>
<tr>
<td>NAFTNet</td>
<td>The North American Fetal Therapy Network</td>
</tr>
<tr>
<td>NAMS</td>
<td>North American Menopause Society</td>
</tr>
<tr>
<td>NASOM</td>
<td>North American Society of Obstetric Medicine</td>
</tr>
<tr>
<td>NASPAG</td>
<td>North American Society for Paediatric and Adolescent Gynaecology</td>
</tr>
<tr>
<td>NESA</td>
<td>New European Surgical Academy</td>
</tr>
<tr>
<td>NCI</td>
<td>National Cancer Institute</td>
</tr>
<tr>
<td>NIDA</td>
<td>National Institute on Drug Abuse</td>
</tr>
<tr>
<td>NIH</td>
<td>National Institutes of Health</td>
</tr>
<tr>
<td>NSERC</td>
<td>Natural Sciences and Engineering Research Council of Canada</td>
</tr>
<tr>
<td>NYGH</td>
<td>North York General Hospital</td>
</tr>
<tr>
<td>NYSORA</td>
<td>The New York School of Regional Anesthesia</td>
</tr>
<tr>
<td>OCFP</td>
<td>Ontario College of Family Physicians</td>
</tr>
<tr>
<td>OGS/OGSST</td>
<td>Ontario Graduate Scholarship/Ontario Graduate Scholarship in Science and Technology</td>
</tr>
<tr>
<td>OHTAC</td>
<td>Ontario Health Technology Advisory Committee</td>
</tr>
<tr>
<td>OMA</td>
<td>Ontario Medical Association</td>
</tr>
<tr>
<td>OOA</td>
<td>Obstetric Anaesthetists’ Association</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Full Form</td>
</tr>
<tr>
<td>--------------</td>
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</tr>
<tr>
<td>OTIS</td>
<td>Organization of Teratology Information Specialists</td>
</tr>
<tr>
<td>PAG</td>
<td>Paediatric and Adolescent Gynaecology</td>
</tr>
<tr>
<td>PARO</td>
<td>Professional Association of Residents of Ontario</td>
</tr>
<tr>
<td>PAS</td>
<td>The Paediatric Academic Societies</td>
</tr>
<tr>
<td>PCR S</td>
<td>Pacific Coast Reproductive Society</td>
</tr>
<tr>
<td>PEBC</td>
<td>Program in Evidence-Based Care</td>
</tr>
<tr>
<td>PMH</td>
<td>Princess Margaret Hospital</td>
</tr>
<tr>
<td>PNG OA</td>
<td>Pacific Northwest Obstetrical and Gynaecological Association</td>
</tr>
<tr>
<td>POG O</td>
<td>Paediatric Oncology Group of Ontario</td>
</tr>
<tr>
<td>PREBIC</td>
<td>Preterm Birth Collective</td>
</tr>
<tr>
<td>PSANZ</td>
<td>Perinatal Society of Australia and New Zealand</td>
</tr>
<tr>
<td>PSI</td>
<td>Physicians’ Services Incorporated</td>
</tr>
<tr>
<td>QBP</td>
<td>Quality-Based Procedures</td>
</tr>
<tr>
<td>RCO G</td>
<td>Royal College of Obstetricians and Gynaecologists (UK)</td>
</tr>
<tr>
<td>RCT</td>
<td>Randomized Control Trials</td>
</tr>
<tr>
<td>RCPSC</td>
<td>Royal College of Physicians and Surgeons of Canada</td>
</tr>
<tr>
<td>RSNA</td>
<td>Radiological Society of North America</td>
</tr>
<tr>
<td>SAEM</td>
<td>Society for Academic Emergency Medicine</td>
</tr>
<tr>
<td>SAGES</td>
<td>Society of American Gastrointestinal and Endoscopic Surgeons</td>
</tr>
<tr>
<td>SCM R</td>
<td>Society of Cardiovascular Magnetic Resonance</td>
</tr>
<tr>
<td>SGI</td>
<td>Society for Gynaecologic Investigation</td>
</tr>
<tr>
<td>SGO</td>
<td>Society of Gynaecologic Oncology</td>
</tr>
<tr>
<td>SHSC</td>
<td>Sunnybrook Health Sciences Centre</td>
</tr>
<tr>
<td>SHUTC</td>
<td>Sunnybrook Hospital University of Toronto Clinic (legal name, operates, as of 1973, as Academic Clinicians’ Management Services)</td>
</tr>
<tr>
<td>SIBEN</td>
<td>SIBEN, the Sociedad Iberoamericana de Neonatología</td>
</tr>
<tr>
<td>SIECCAN</td>
<td>Sex Information and Education Council of Canada</td>
</tr>
<tr>
<td>SIR</td>
<td>Society of Interventional Radiology</td>
</tr>
<tr>
<td>SJHC</td>
<td>St. Joseph’s Health Centre</td>
</tr>
<tr>
<td>SK</td>
<td>SickKids</td>
</tr>
<tr>
<td>SLS</td>
<td>Society of Laparoendoscopic Surgeons</td>
</tr>
<tr>
<td>SMFM</td>
<td>Society for Maternal-Fetal Medicine</td>
</tr>
<tr>
<td>SMH</td>
<td>St. Michael’s Hospital</td>
</tr>
<tr>
<td>SMIG</td>
<td>Society of Minimally Invasive Gynaecology</td>
</tr>
<tr>
<td>SOG C</td>
<td>Society of Obstetricians and Gynaecologists of Canada</td>
</tr>
<tr>
<td>SOG I BA</td>
<td>Sociedad de Obstetrica y Ginecología de Buenos Aires</td>
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<tr>
<td>SOG S</td>
<td>Saudi Obstetrics and Gynaecological Society</td>
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<tr>
<td>SOG T</td>
<td>Society of Obstetricians and Gynaecologists of Toronto</td>
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<tr>
<td>SOR B</td>
<td>Southern Ontario Reproductive Biology</td>
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<tr>
<td>SSR</td>
<td>Society for the Study of Reproduction</td>
</tr>
<tr>
<td>STGO</td>
<td>Tunisian Societies of Gynaecology and Obstetrics</td>
</tr>
<tr>
<td>STLHE</td>
<td>Society for Teaching and Learning in Higher Education</td>
</tr>
<tr>
<td>TAHSN</td>
<td>Toronto Academic Health Science Network</td>
</tr>
<tr>
<td>TEGH</td>
<td>Toronto East General Hospital</td>
</tr>
<tr>
<td>TWH</td>
<td>Toronto Western Hospital at UHN</td>
</tr>
<tr>
<td>UGSA</td>
<td>UroGynaecological Society of Australasia</td>
</tr>
<tr>
<td>UHN</td>
<td>University Health Network</td>
</tr>
<tr>
<td>USCAP</td>
<td>United States and Canadian Academy of Pathology</td>
</tr>
<tr>
<td>WAGO</td>
<td>Western Association of Gynaecologic Oncologists</td>
</tr>
<tr>
<td>WEBC</td>
<td>Weekend to End Breast Cancer</td>
</tr>
<tr>
<td>WFUMB</td>
<td>World Federation for Ultrasound in Medicine and Biology</td>
</tr>
<tr>
<td>WHI</td>
<td>Women’s Health Initiative</td>
</tr>
<tr>
<td>WHO</td>
<td>World Health Organization</td>
</tr>
<tr>
<td>WRGC</td>
<td>World Robotic Gynaecology Congress</td>
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