

## **ANNUAL REPORT** 2015-2016

## **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.

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

**Nelson Cabral** 

**Caroline Sutherland** 

Ashley Lanys

lrisz

Kristen Gane

Michael Browne Christopher Geary

**Jeannette Moniz** 

Joseph George

### - 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

#### Obstetrics & Gynaecology UNIVERSITY OF TORONTO

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Common abbreviations used throughout the text are shown on pages 136 to 139.

- 6 CHAIR'S REPORT
- 10 FACULTY
- 14 ADMINISTRATIVE STAFF
- 15 **RESIDENTS**
- 16 CLINICAL FELLOWS
- **18 COMMITTEES**
- 21 HOSPITAL STATISTICS

#### 22 DIVISION REPORTS

- 23 Core Obstetrics & Gynaecology
- 24 Gynaecologic Oncology
- 26 Maternal-Fetal Medicine
- 27 Reproductive Endocrinology and Infertility
- 28 Paediatric and Adolescent Gynaecology
- 30 Urogynaecology

#### 32 PROGRAM REPORTS

- 33 Undergraduate Medical Education
- 34 Residency Training Program
- 36 Fellowship Training Programs
- 37 Continuing Medical Education

40 Global Health in the Department -AMPATH Program

42 Educational Partnership Program

#### 43 COMMITTEE REPORTS

- 44 Promotions Committee
- 46 Research Committee

#### 47 CHAIR'S SUMMER STUDENTSHIP AWARDS & CREMS STUDENTS

#### 54 EVENTS

55 Thirty-Third Annual Research Day

70 Faculty Development

73 Graduation Ceremony & Alumni Event

#### 76 SIGNIFICANT HONOURS AND AWARDS

77 Department Awards

#### 78 RESEARCH GRANTS AND INVESTIGATIONS

79 Peer-Reviewed Grants

#### 87 PEER-REVIEWED PUBLICATIONS

88 Original Research

100 Clinical Practice Guidelines

100 Books And Book Chapters

#### 103 INVITED LECTURES AND VISITING PROFESSORSHIPS

- 104 International
- 110 National

113 Local

#### 120 ORAL AND POSTER PRESENTATIONS

- 121 International
- 126 National
- 132 Local

#### **136 COMMON ABBREVIATIONS**







# Message from THE CHAIR

Welcome to our 2015-2016 Annual Report, delivered to you in early 2017, thanks to the dedicated efforts of our new Communications Specialist, Michael Browne. As you read through this report, you will realize that each of us contributes on a daily basis to create one of the largest, most sophisticated and diverse Departments of Obstetrics & Gynaecology in the world. My own career in Toronto approaches 19 years as of this March 2017, and each year I see incremental growth in all areas of our speciality. I hope you enjoy browsing within!

Building on the success of the 2014 research programs for summer students, we extended the program under the expert leadership of our Research Committee. This year we had 5 UofT Medical Students participate in the CREMS summer student research program with various supervisors from our Department. These were complimented by an additional 8 students supported via the Chair's summer student program to participate in research projects with faculty members. You can read about their projects in this report at pages 47-53.

Thanks to the leadership of Filomena Meffe and her team, we had a very successful Faculty Professional Development Day at Vaughan Estates, the first to be aligned with November 11th Remembrance Day. The morning of this day was devoted to our mid-term Strategic Planning update. You may read here about the Department's progress to achieve its 5-year goals. The day concluded with our Awards ceremony, where many talented individuals across all our hospital sites were recognized for their outstanding contributions to Education and Research through the Chair's Awards and our Undergraduate and Postgraduate Teaching Awards, as listed in this report at pages 77.

We have continued to formally celebrate our faculty members who were successful with their Senior Promotions, effective July 1st, 2016: these were Drs. Lisa Allen, Kellie Murphy and Nan Okun who were all promoted to Full Professor and Drs. Lilian Gien and Ray Osborne who were promoted to Associate Professor. Their promotions are profiled in this report at pages 44-45. In December 2015, Dr. Filomena Meffe received our Department's APOG Carl Nimrod Educator of the Year Award.

Research Day in May 2016 was yet another great success, with yet again over 100 abstracts and over 300 attendees. We again used an APP system for submission, peer review and creation of the meeting program. My thanks to Andrew Greig for his organizational expertise to make a success of this event. Special thanks go to our Vice Chair Research Stephen Lye, and his committee, including Kellie Murphy and Ted Brown, together with our administration team, for orchestrating a world-class academic event, on par with standards at many international meetings.

We were also pleased to have Dr. Emmanuel Bujold from Laval University as our Henderson Lecturer for this year. Dr. Bujold is a full professor at the Department of Obstetrics & Gynaecology of Laval University's School of Medicine where he holds the Jeanne et Jean-Louis Lévesque Research Chair in Perinatology. Dr Bujold's lecture addressed the common and important topic of "Prediction and prevention of uterine scar defect: 20 years of research."

Research Day 2016 was noted also for a joint research event with our nearest US academic centre, at Wayne State University in Detroit. This collaborative initiative was led by Dr. Sascha Drewlo, PhD, a former post-doctoral fellow here at UofT OBGYN 2006-2012, a two-time winner of a JW Knox Ritchie Research Day award. Over 35 faculty and trainees from Wayne State and the Intra-mural perinatal branch of the National Institutes of Health participated in a joint research event then remained as guests the following day to attend our own Research Day. The full details of the event, and the winners of the various JW Knox Ritchie Awards, may be accessed online.

The Department continues to support the key transition from senior trainee into a junior faculty position. The Junior Faculty Award program is designed to offer support in the form of protected academic time. Two new faculty members Elaine Shore and Tim Van Mieghem commenced this program in July 2016.

An extension of this program is our new Merit Award program, modeled on a similar initiative created by Dr. Brian Kavanagh, Chair, Department of Anaesthesia. A review panel, chaired by Dr. Bill Fraser, Sherbrooke University, Quebec, recommended four 2-year awards, to Drs Jon Barrett, Lilian Gien, Sarah Ferguson, and Marcus Bernardini. You can review this program online. A new award, named the John R McArthur Scholar Award, to recognize the substantial endowment gift to our department from the estate of our former faculty member, is given at each review panel to the highest scoring applicant, which in spring 2016 was Sarah Ferguson.

In June 2016, we returned to Hart House for our annual Graduation and Alumni event, continuing with music by Gustav Scolieri (www.puentedeldiablo.com). Over 220 graduates, their families and faculty members attended this event. Many thanks to Dr. Nicholas Pairaudeau for his humorous address to the graduates. This year's event marked the graduation of 14 specialists in Obstetrics & Gynaecology, accompanied by an additional 25 sub-specialists who completed one or more years of clinical fellowship training. If you missed this event, do try to come in 2017, as for sure it has evolved into a very special event for all, where we realize the true impact of our efforts to deliver high quality postgraduate education.

As busy clinicians and researchers, we are indebted to our excellent Administration Team here at 123 Edward St. Our new Business Officer, Nelson Cabral has built on the progress achieved by Tina Xue, to extend the impact of our administrative efforts. Our new interns, Mr. Andrew Greig and Ms. Alissa Moody, contributed in many dimensions of our work. Andrew is now in the Pharmacy program at UofT while Alissa has started Medical School in Michigan. As of summer 2016 we welcomed Ms. Ashley Lanys to focus on supporting our Global Health initiatives under the direction of Rachel Spitzer, while Mr. Michael Browne will focus on Communications.

A new initiative, for the next academic year 2016-7, is to collate the history of our Department. Many of you will of course know that UofT is the oldest OBGYN Department in Canada, with a history going back to 1843, but you might not be aware that we initially had separate Chairs of Obstetrics and Gynaecology, and that the first Chair of Obstetrics held the post for 25 years, outlasting both Chairs of Gynaecology! I was inspired to initiate this project, when I met our oldest residency training program graduate over the summer, Dr. Bill Whittaker (1958) who trained in the post-war era defined by Dr. Doug Cannell. I'm pleased to let you know that this project is in

## **MESSAGE FROM THE CHAIR**

the capable hands of Mr. Christopher Geary, who graduated from UofT with high distinction in English in sum-mer 2016. We hope to present the history of our Department to you later in 2017.

Our city and regional areas now comprise around 6 million people, and are served by one faculty of medicine and department of Obstetrics & Gynaecology. This unique infrastructure affords many network opportunities in a unified Department. Over the past year, our GTA-OB network has delivered it's first major success, winning a prestigious CIHR Team Grant (value \$1.5 million over 5 years) for research into non-communicable diseases in pregnancy, between Sunnybrook Health Sciences Centre and St. Michael's Hospital, partnered with McMaster University. You can review the progress of GTA-OB under the leadership of Jon Barrett online. Not to be outdone, I am pleased to report that our Gynaecologic Surgeons have created the GTA-Gynaecologic Surgery network, with efforts by several surgeons across the GTA Hospitals. Initial web-based projects, using RedCap data collection, have focused on fibroid surgery. In response to these efforts, the Dean awarded Dr. Ally Murji, Mount Sinai Hospital, a 5-year Dean's Excellence Award to support his efforts to encourage a range of research and quality improvement projects.

Our Department continues with its commitment in Global Women's Health, under the direction of our Vice Chair in Global Women's Health and Advocacy, Dr. Rachel Spitzer at Mount Sinai Hospital, in partnership with Dr. Astrid Deb-Christoffersen, our site director based at the Department of Reproductive Health at Moi University in Eldoret, Western Kenya. The numerous successes of this energetic group can be accessed in this report at pages 40-41. The Kenyan fellowship in Gynaecologic Oncology has inspired members of the Maternal-Fetal Medicine division, under the direction of Dr. Nan Okun, to develop a parallel fellowship in MFM. The program is anticipated to achieve recognition by Moi University to start in summer 2017.

I would also like to congratulate the following individuals who received their faculty appointment in the 2015-2016 academic year:

#### CLINICAL:

Tim Van Mieghem Crystal Chan Elad Mei-Dan Lindsay Shirreff Ambika Aneja Donna Barnwell Amanda Cipolla May ElHajj Louise-Helene Gagnon Michelle Jacobson Naana Jumah Samuel Ko Matthew Laskin Heather Millar Jing Qin Sarah Sinasac

#### **CROSS APPOINTMENTS:**

Adalsteinn Brown – Institute of Health Policy, Management & Evaluation Elena Kolomietz – Department of Laboratory Medicine & Pathobiology

During the year, the following members have left our department and deserve our thanks for their efforts:

Dr. Kofi Amankwah, former Chief of Obstetrics & Gynaecology at Women's College Hospital and Head of their Maternal-Fetal Medicine Division, retired during the year from his most recent position as Maternal-Fetal Medicine Specialist at Mackenzie Health in Vaughan and Adjunct Clinical Professor at UofT. Kofi joined our Department in 1990 as Professor and Head of the Division of Maternal-Fetal Medicine at Women's College Hospital, relocating from the Southern University of Illinois in Springfield. Kofi further developed MFM services at Women's, including clinical fellowship training, for a period of twelve years, until his return to Springfield as Chair, Department of Obstetrics & Gynaecology in 2002. He subsequently relocated to the State University of New York at Buffalo, prior to returning to the Toronto area to work at Mackenzie Health in 2013. Kofi made many important academic contributions to research in Maternal-Fetal Medicine, in particular to foster research in clinical epidemiology.

Dr. Harold Drutz retired from the position of Head of the University Division of Urogynaecology on June 30th, 2016. Harold was initially appointed to the staff at Mount Sinai Hospital in 1976 as one of the first Canadian Gynaecologists to have received fellowship training in this emerging subspecialty. He led the new Division of Urogynaecology at Mount Sinai Hospital since 1988, was promoted to Associate Professor two years later, followed by promotion to full professor in 1998. During his career, he established Mount Sinai Hospital as the major Canadian site offering fellowship training in Urogynaecology, such that many Urogynaecology specialists across Canada received their training under his direction. He published continuously during his career, and is rightly regarded as the father of Urogynaecology in Canada. Harold will continue his clinical and academic practice at Mount Sinai Hospital until December 31st, 2016, thereafter working at Baycrest Centre.

I hope you read through sections of this report that interest you. Do let us know if we should focus on any other activities, in particular features that will be of interest to the full range of our faculty members. The report compliments the Summer and Winter editions of our Newsletter, which are archived here. Thank you all for your contributions to this special world-class Department.

Best wishes,

Andynas

John C.P. Kingdom, M.D. Gordon C. Leitch Chair Department of Obstetrics and Gynaecology



## FACULTY 2015/2016

#### **PRIMARY APPOINTMENTS**

#### **PROFESSORS EMERITI**

S. Lee Adamson Rudi Borth 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

#### ASSOCIATE PROFESSORS EMERITI

Titus Owolabi

#### PROFESSORS

Jon Barrett Paul Bernstein Jennifer Blake Alan D Bocking Theodore J Brown Isabella Caniggia Robert F Casper Allan L Covens Harold Drutz Dan Farine Michael Geary John Kingdom - Chair Stephen Lye K Joan Murphy Andras Nagy Craig Pennell Felice Petraglia JW Knox Ritchie Barry Rosen Greg Ryan Gareth R Seaward Mathew Sermer R Michael Shier Rory Windrim Wendy Wolfman

#### **ASSOCIATE PROFESSORS**

May Alarab Lisa Allen Howard Berger Marcus Bernardini Janet Bodley Adrian Brown Christine Derzko Sarah Ferguson Alan Gerulath James Goodwin Ellen Greenblatt Elaine Herer Andrea Jurisicova Sari Kives Rose Kung Clifford L Librach Kay Lie Danny Lovatsis Cynthia Maxwell Filomena Meffe Nir Melamed Kellie E Murphy Nanette Okun Richard Pittini

Ian Rogers Heather Shapiro M. Jonathan Solnik Rachel Spitzer Michael Sved Artin Ternamian Paul Thistle Tim Van Mieghem\* Suzanne Wong Mark Yudin Arthur Zaltz



#### **ASSISTANT PROFESSORS**

Hani Akourv Oluleke Badmos Marshall Barkin Yaakov Bentov Anne Berndl Dalip K. Bhandu\*\* Nicolette Caccia Kenneth Cadesky Crvstal 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 Faston Frederic A Engle Michele Farrugia Tomer Feigenberg Tatiana Freire-Lizama Lilian Gien Karen Glass Mathias Gysler Peter Hawrylyshyn

#### **LECTURERS**

Anjali Aggarwal Ambika Aneja\* George Arthur Rebecca Arthur Clarissa Bambao Ari Baratz Donna Barnwell\* Veena Bonde Yoay Brill Melanie Caetano David Caloia Shannon Causey Dora Chan Paul Chang Mary M.L. Cheng Nicole Cherry

Man Fan Ho Dini Hui\*\* Stephen Im Clarie Jones Johannes Keunen Yolanda A. Kirkham\*\* Murray Kroach Jamie Kroft Rachel Kupets Elvse Lackie Noor Ladhani Stephane Laframboise Andrea Lausman Patricia Lee Elvse Levinskv Grace Liu Kimberly Liu Ann Kinga Malinowski Adelmo Martoglio Tavmaa Mav Colleen McDermott Flad Mei-Dan\* Eva Mocarski Matthew Morton Sergev Moskovtsev Ally Murji Dan Nayot Ori Nevo Melanie Ornstein

Kelly Chu Amanda Cipolla\* Shannon Corbett\* Aleksandre Corbey Stacy Lara Costa Catherine Ann Cowal Jennifer Cram Joseph Cramer Lanval (Joe) Daly Kristina Dervaitis Karthika Devaraian Phaedra Diamond Anthony Di Pierdomenico Patricia Dovle Marianne R Duemler May ElHaii\*

L Ray Osborne Wusun Paek Nicholas Pairaudeau Alice Pham Deborah Robertson David Rosenthal Amanda Selk Raiiv Shah Jodi Shapiro Prati Sharma Lindsav Shirreff\* Eliane Shore\*\* Oksana Shynlova Sony Sierra Mara Sobel Dana Soroka Donna Steele Wilf Steinberg Karen Tessler Bruce W Thomas Jackie Thomas Modupe Tunde-Byass Danielle Vicus Fay Weisberg Wendy Whittle Herb Wona Brenda T Woods

Louise-Hélène Gagnon\* Maja Gans Dimitrios Giannoulias Gwendolyn Goodrow Beata Grygowski Paul Gurland Ronnie Hakim Alice Han Helen Ho Salikah Iqbal Michelle Jacobson\* Sybil Judah Naana Jumah\* Allan Kanee

#### **LECTURERS (CONTINUED)**

Angela Kang Jevan Ko Samuel Ko\* Andrew Kotaska\* Danny Kreichman Asha Kurup Matthew Laskin\* Sabrina Lee Svlvie Leone-Tomaschoff Patrick M Liao Terry Logaridis Joanne Ma Roberta Mackenzie Tara MacLeod Haidar Mahmoud Erica Mantav Siobhan Mark Mary Melchior

Heather Millar\* Kerrv Mvckan Alexandra Nevin Lam Kendra Newell Andrea Page Esther Park Carol Peng Perry Phillips Jina Qin\* Elin Raymond Kimberly Rogers Nathan Roth Edward Ryan Abheha Satkunaratnam Jan Scheeres Peter W. Scheufler Nicholas Shilletto Paul Shuen

Michael Silver Sarah Sinasac\* Gita Singh Kirsten Smith Richard Stein Linda Stirk Shiraz Suleman Melissa Tai Scott Tigert Carol Wade Anne Walsh Peter Watt Georgina Wilcock Jeremy C Wong Vincent Wu Gonzalo Fernando Zevallos Lynne Zolis

#### **CROSS APPOINTMENTS**

#### **PROFESSORS EMERITI**

Michelle Letarte

Immunology

#### PROFESSORS

Denise Belsham José Carvalho William B. Chapman David A. Chitayat Terence Colgan Jack Marc Colman Anthony W. Fyles Stephen Halpern Kevin Kain Mahmoud Khalifa Shoo Lee Stephen Matthews Steven Narod Amit Oza Joel Rav Gail Robinson Patricia Shaw Sam Siu Donna Stewart Gillian Thomas Ants Toi Rosanna Weksberg

Physiology Anesthesia Laboratory Medicine & Pathobiology Paediatrics Laboratory Medicine & Pathobiology Medicine - Cardiology Radiation Oncology Anaesthesia Medicine Laboratory Medicine & Pathobiology Paediatrics Physiology Public Health Sciences Medicine Medicine Psychiatry Laboratory Medicine & Pathobiology Medicine Psychiatry Radiation Oncology Medical Imaging Molecular Genetics

<image>

\* New Appointment \*\* New Promotion

#### **ASSOCIATE PROFESSORS**

Ida Ackerman Elizabeth Asztalos Mrinalini Balki Adalsteinn Brown\* Michael Dunn Denice Feig Katherine Fong Phyllis Glanc Evelyn Lambe Stephen Holzapfel Sarah Keating Elena Kolomietz\* Evelyn Lambe Carl Laskin Jose Sarrazin Michael Saro Candice Silversides John Sled **Bachel Wald** Shui Eugene Yu

#### **ASSISTANT PROFESSORS**

Tony Barozzino Karen Chong Brian Cox Mike Seed Martin Skidmore Sandra Viero

- Radiation Oncology Paediatrics Anesthesia Health Policy, Management & Evaluation Paediatrics Medicine Medical Imaging Medical Imaging Physiology Family & Community Medicine Laboratory Medicine & Pathobiology Laboratory Medicine & Pathobiology Physiology Medicine Medical Imaging Paediatrics Medicine Medical Biophysics Paediatrics Medical Imaging
- Paediatrics Paediatrics Physiology Paediatrics Paediatrics Laboratory Medicine & Pathobiology

#### **LECTURERS**

Fern Small Nina Venkatrangam Psychiatry Family & Community Medicine





## **ADMINISTRATIVE STAFF**



**NELSON CABRAL** 

IRISZ

JEANNETTE MONIZ



**RESIDENCY PROGRAM COORDINATOR CAROLINE SUTHERLAND** 



ACADEMIC APPOINTMENTS ASSISTANT **KRISTEN GANE** 



FELLOWSHIP PROGRAMS COORDINATOR **JOE GEORGE** 





## RESIDENTS

#### **POSTGRADUATE YEAR 1**

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

#### **POSTGRADUATE YEAR 4**

Nasser Abu Awad Marie Christakis Lara Gotha Lacey Harding Ingrid Lai Adrienne Li Mathew Leonardi Carmen McCaffrey Chaula Mehta Julie Nguyen Kirsten Niles Rebecca Rich Aparna Sarangapani Lynn Sterling Marta Wais Jellena Wong

#### POSTGRADUATE YEAR 2

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

**POSTGRADUATE YEAR 5** Emily Baker

Kimberly Bremer Jessica Green David Gurau Ummi Habiba Courtney Jolliffe Rebecca Menzies Michael Secter Alison Shea Andrea Simpson John Snelgrove Liane Tan Julie Thorne Muhseen Yusuf

#### **POSTGRADUATE YEAR 3**

Sophie Bussiere-Cote Kristin Harris Lesley Hawkins John Ibrahim Lauren Jain Marian Leung Sonali Lokuge Amanda Michael Andra Nica Lauren Philp





## **CLINICAL FELLOWS**

PROGRAM AND DIRECTOR	FELLOW
Advanced Gynaecologic Surgery Ally Murji & Jonathon Solnik	Lea Luketic
Advanced High-Risk Obstetrics Howard Berger	Yaniv Zipori
Advanced Obstetrics Dini Hui	Nirmala Chandrasekaran Gharid Nourallah Bekdache
Advanced Obstetrics Wendy Whittle	Sunita Garg
Gynaecologic Reproductive Endocrinology & Infertility (RCPSC)* Kimberly Liu	Shannon Moore
Gynaecologic Endoscopic Surgery Artin Ternamian	Paul Davies
Gynaecologic Oncology (RCPSC)* Allan Covens	Genevieve Bouchard-Fortier Kate Pulman
Maternal-Fetal Medicine (RCPSC)* Cynthia Maxwell	Nimrah Abbassi Nada Alayed Hadar Baharav Rosen Julia Kfouri Christopher Nash Robin Thurman Sergio Carmona
Mature Women's Health & Menopause Wendy Wolfman	Radomir Jarcevic
Minimally Invasive Gynaecologic Surgery (AAGL)** Herb Wong	Leslie Po

Minimally Invasive Gynaecologic Surgery Deborah Robertson	Helena Frecker
Paediatric & Adolescent Gynaecology Sari Kives	Noor Zwayne
Perinatal Cynthia Maxwell	Dana Vitner
Reproductive Sciences Robert Casper	Nivin Samara Nayana Talukdar
Reproductive Sciences & Infertility Clifford Librach	Ekaterina Shlush Itai Gait
Urogynaecology & Reconstructive Pelvic Surgery Danny Lovatsis	Susan Jia

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



## **COMMITTEES**

#### **EXECUTIVE COMMITTEE**

John Kingdom	Chair, Executive and Fiscal Advisory Committees
Lisa Allen	Head, Division of Paediatric and Adolescent Gynaecology Site Chief, Women's College Hospital
Adrian Brown	Community Affiliate Hospital Representative Chief, North York General Hospital
Ted Brown	Head, Division of Reproductive Endocrinology & Infertility Chair, Research Committee
Harold Drutz (term ended June, 2016)	Head, Division of Urogynaecology
Dan Farine	Chair, Promotions & Awards Committee
Michael Geary	Chief, St. Michael's Hospital
Stephen Lye (term ended June, 2016)	Vice-Chair, Research
Nanette Okun	Head, Division of Maternal-Fetal Medicine
Filomena Meffe	Director Faculty Development
Al Covens	Head, Division of Gynaecologic Oncology
Rajiv Shah	Chair, Undergraduate Medical Education Committee
Gareth Seaward	Director of Quality Improvement and Patient Safety (QIPS)
Mathew Sermer	Chief, Mount Sinai Hospital/ University Health Network/ Women's College Hospital
Heather Shapiro	Vice-Chair, Education
Rachel Spitzer	Vice-Chair, Global Women's Health
Donna Steele	Chair, Residency Program Committee
Rory Windrim	Director, Continuing Professional Development & Knowledge Translation
Mark Yudin	Chair, Clinical Research Committee
Arthur Zaltz	Chief, Sunnybrook Health Sciences Centre Chair, Department Appointments Committee

#### **CLINICAL RESEARCH COMMITTEE**

Mark Yudin, *Chair* Jon Barrett Crystal Chan Sarah Ferguson Noor Ladhani Colleen McDermott Kellie Murphy

#### FISCAL ADVISORY COMMITTEE

John Kingdom, *Chair* Barry Rosen\* Mathew Sermer Heather Shapiro Arthur Zaltz

#### **DEPARTMENT APPOINTMENTS COMMITTEE (DAC)**

Arthur Zaltz, *Chair* Lisa Allen Adrian Brown Ted Brown Harold Drutz Dan Farine Michael Geary Lilian Gien

#### FELLOWSHIP DIRECTORS COMMITTEE

- Heather Shapiro, *Chair* Ally Murji Howard Berger Robert Casper Allan Covens Barbara Cruickshank\*\* Harold Drutz Dini Hui
- Sari Kives Patricia Lee Clifford Librach Kimberly Liu Danny Lovatsis Cynthia Maxwell Deborah Robertson Barry Rosen\*

Artin Ternamian Wendy Whittle Wendy Wolfman Herb Wong Karen Wou

Stephen Lye

Mathew Sermer

Heather Shapiro

Jonathan Solnik

#### COMBINED CONTINUING PROFESSIONAL DEVELOPMENT/FACULTY DEVELOPMENT (CPD/FD) COMMITTEE

Filomena Meffe, *Co-Chair* Rory Windrim, *Co-Chair* Janet Bodley Adrian Brown Nicolette Caccia Richard Pittini

#### **COMPETENCY BASED MEDICAL EDUCATION (CBME) COMMITTEE**

Heather Shapiro, *Chair* Janet Bodley Nicolette Caccia Michele Farrugia Lauren Jain (PGY3) Matthew Leonardi (PGY4) Donna Steele Evan Tannenbaum (PGY2)

\* Left the Department within the year

\*\* Retired



## **COMMITTEES**

#### **PROMOTIONS & AWARDS COMMITTEE**

Dan Farine, *Chair* Lisa Allen Ted Brown Allan Covens Sarah Ferguson

Michael Geary Filomena Meffe Nan Okun Richard Pittini Gareth Seaward Mathew Sermer Rachel Spitzer Rory Windrim Arthur Zaltz

#### **QUALITY IMPROVEMENT AND PATIENT SAFTEY (QIPS) COMMITTEE**

Gareth Seaward, *Chair* Hani Akoury Lisa Allen Jon Barrett Adrian Brown Stacy Costa Jennifer Cram Remi Ejiwunmi Michael Geary Elaine Herer Julie Nguyen (PGY4) Andrea Page Leslie Po Nathan Roth Abheha Satkunaratnam

#### **RESEARCH COMMITTEE**

Ted Brown, *Chair* May Alarab Isabella Caniggia Robert Casper Crystal Chan Kristin Connor Allan Covens Rohan D'Souza Sarah Ferguson Sari Kives Noor Ladhani Clifford Librach Stephen Lye, Vice-Chair Stephen Matthews Kellie Murphy Alison Shea (PGY5) John Snelgrove (PGY5) Donna Steele (Ex-Officio) Mark Yudin

#### **RESIDENCY PROGRAM COMMITTEE**

Donna Steele, *Chair* Anjali Aggarwal Clarissa Bambao Janet Bodley Ali Corbey Michele Farrugia Lilian Gien Dini Hui John Kingdom (Ex-Officio) Sari Kives Abheha Satkunaratnam Heather Shapiro Mark Yudin Lynne Zolis Elizabeth Miazga (PGY1) Karen Levy (PGY2) Andra Nica (PGY3) Lacey Harding (PGY4) Michael Secter (PGY5) Marie Christakis (AHD)

#### UNDERGRADUATE EDUCATION COMMITTEE

Rajiv Shah, *Chair* Ari Baratz Dalip Bhangu Maria Cuismano (PGY2) Karthika Devarajan Christine Edwards (CC4) Arpita Gantayet (CC4) Stephanie Hughes(CC3) Dini Hui Sybil Judah Yolanda Kirkham Sabrina Lee Mathew Leonardi (PGY4) Haidar Mahmoud Roberta MacKenzie Filomena Meffe Eva Mocarski Jeannette Moniz Lauren Philp (PGY3) Richard Pittini Heather Shapiro Mara Sobel Dana Soroka Lynn Sterling (PGY4) Scott Tigert Emily Wright (CC3)

## **HOSPITAL STATS**

	SMH	MSH/ UHN	SHSC	TEGH	SK	NYGH	SJHC	THP	WCH
Total Deliveries	2,681	7,145	4,094	2,895	NA	5,635	3,269	8,595	0
Caesarean- Section Rate	27.3%	33%	39%	28.9%	NA	31%	31.2%	25.7%	NA
Total Gynaecology Procedures (major and minor)	1,453	2,857	9,451	1,722	122	3,482	1,680	7,703	1,428
Clinic Visits (excluding private office visits)	53,141	77,047	19,122	10,598	2,191	24,633 <sup>3</sup>	10,295 <sup>3</sup>	4,111	8,193
Number of Obstetrics Beds	22 <sup>1</sup>	68	26	33	NA	52	44	874	0
Number of Gynaecology Beds	9	10	1	59 <sup>2</sup>	0	39 <sup>2</sup>	61	10	0

July 1, 2015 to June 3	30.2016	)

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

<sup>1</sup> - Does not include an additional 10 Labour, Delivery, Recovery and Post Partum (LDRP) beds

<sup>2</sup> - Shared with other surgical specialties

<sup>3</sup> - 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

<sup>4</sup> - Includes 27 birthing suites

# DIVISION REPORTS

13333



**CORE OBSTETRICS & GYNAECOLOGY** 

Arthur Zaltz, Division Head

The Division of Core Obstetrics and Gynaecology is the largest division within the Department of Obstetrics and Gynaecology at the University of Toronto. Formally known as the "Generalists," this group of physicians forms the infrastructure of the department. 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 knowledge, judgement, attitudes and clinical skills necessary for our graduates to enter practice or pursue further subspecialty training.

The Core Division includes members from the three major teaching sites: SHSC, SMH, MSH, and Trillium Health Partners, physicians from our longstanding community teaching sites (TEGH, SJHC, NYGH), and a growing number from other community centres across the GTA.

Core specialists have their greatest impact in the area of medical education. Dr. Donna Steele 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.

We have also differentiated ourselves with certification and training in Medical Education, Ethics, Public Health, Quality Improvement and Patient Safety, and Clinical Epidemiology. 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. Some of our centres are doing over 85% of their cases in this manner. This has led to improved patient satisfaction, safety and reduced length of stay.

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 Ob/Gyn.
- 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 Southern Ontario Obstetrics Network (SOON), 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



## **DIVISION OF GYNAECOLOGIC ONCOLOGY**

Al Covens, Division Head

In the 2015-2016 academic year, the University of Toronto, Division of Gynaecologic Oncology underwent significant changes in faculty. Tertiary/quaternary clinical services and teaching to medical students, residents, and fellows continue to be delivered at all 3 sites; UHN, Sunnybrook, and Trillium. Full service, multi-disciplinary care is provided at all 3 sites. Academic/research activity is robust and diverse at each of the sites.

#### NEW DIVISIONAL ROLES INCLUDE:

- Dr. A. Covens, Head of the Division
- Dr. S. Laframboise, Head of the Fellowship, Dr. May runs the Fellowship Curriculum
- Dr. S. Ferguson, Lead for the Division's Research
- Dr. L. Gien, Lead for the Division's Resident Education
- Dr. D. Vicus, Lead for the Division's Undergraduate Medical Student Education
- Dr. R. Kupets, Lead for the Division's Continuing Medical Education

#### **PROMOTIONS IN THE DIVISION: (AS OF JULY 1, 2016)**

Dr. L. Gien to Associate Professor & Dr. R. Osborne to Associate Professor

In April, Dr. Laframboise was appointed as the new head of the Gynaecologic Oncology Fellowship program, the largest and only three-year program in Canada. Dr. Laframboise replaced Dr. Covens who had served in this capacity for the past 13 years. Dr. Taymaa May takes over the curriculum from Dr. Danielle Vicus who had performed this task for the past 3 years. The fellowship includes 1 year of research or formal education (masters in public health, epidemiology, health services, or education), followed by 2 clinical years. The program continues to attract a very large number of high level 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. Kate Pulman, and Genevieve Bouchard-Fortier completed their training in June of 2016 this year, both having completed education in Clinical Epidemiology. They have been successfully recruited to Trillium Health Partners and UHN respectively. New fellows coming into the program are Austin Lee from Korea, and Tiffany Zigras from Connecticut.

UHN has 4 faculty, (Dr. Bouchard-Fortier being recruited in August 2016) after the departures of Drs. Rosen, Murphy, and Dodge. Dr. Bernardini was appointed as the new Head of the Division of Gynaecologic Oncology at UHN. He is also on the GOGO executive and the Secretary Treasurer of the OOA. He also sits on a number of provincial committees including HHR for CCO, QBP, and OHTAC. Dr. Ferguson continues her very successful research portfolio. She is Chair/Co-chair of a number of committees for CCO and CPAC, and is the new lead for the university division's research. Dr. Laframboise is the new Fellowship Director for the Division, and the Chair and Vice Chair of the exam committees for Gynaecologic Oncology, and Ob/Gyn respectively. Dr. May has taken over as the organizer of the fellowship curriculum, and was a recipient of a junior faculty research merit award. She also serves on the PEBC for CCO.

Sunnybrook has 5 faculty, with no changes for the past several years. Dr. Covens is the new head of the university division, and continues as the head of the division at Sunnybrook. He serves on the GOGO executive and board of OOA. He continues as co-chair of the cervical task force for the NCI (US) and the Rare tumour committee for NRG Oncology. Dr. Gien is the new lead for the university division's resident education, and the Gynaecologic Cancer site group at Sunnybrook, (previously filled by Dr. Covens). She continues to be active in NRG oncology and is the Vice Chair for the RCPSC Gyn Oncology subspecialty committee. Dr. Kupets continues in her role as the Scientific Lead for Ontario Cervical Screening. Dr. Vicus was recently appointed to the Rare Tumour Committee of NRG Oncology, and is leading the development of a large multi-national/cooperative group trial in mucosal melanoma. She is also the lead on a large multi-institutional AIN study. Dr. Osborne continues to be very active in GTN research. He was recently awarded the ISSTD Gold Medal for outstanding contribution to the development and knowledge of trophoblastic disease.

Trillium Health Partners (THP) has 2 faculty, (Dr. Pulman being recruited in August 2016). Dr. Murphy left UHN in the fall of 2015 to become the new head of the Women's Program (OB/Gyn and Paediatrics) at THP. She continues in her role as Lead for Cervical Cancer Screening and Colposcopy in the Province of Ontario. Dr. Nahas left THP in the fall of 2015 to start a career in California. Dr. Feigenberg continues his basic science research. He successfully supervised a student who was awarded a 2016 Chair's Summer Studentship Award.



## **DIVISION OF MATERNAL-FETAL MEDICINE**

Nan Okun, Division Head

Our division encompasses three fully-affiliated academic hospitals, with members from Mount Sinai Hospital, Sunnybrook Health Science Centre and St. Michael's Hospital. We provide consultative services for complicated pregnancies within the GTA and across the country for areas such as fetal therapy. We are a highly productive division in terms of education, research and administrative services within the Department of Obstetrics and Gynaecology at the University of Toronto.

#### **HIGHLIGHTS:**

This is the third year of the departmental strategic plan of "connecting and collaborating", and the MFM division is exemplifying this vision. The GTA-OBS network, under Jon Barrett, has been re-named the Southern Ontario Obstetric Network or SOON, joining with McMaster University in collaborative research and quality improvement. Together they have received a \$1.5 million CIHR/SOGC grant to facilitate further development of this obstetrical research network, and translate that research into improved maternal and perinatal outcomes. All 3 fully-affiliated hospitals continue their outreach initiatives, with a new division member (Elad Mei-Dan) at North York General Hospital collaborating with the Sunnybrook group in research.

More partnerships resulted in a successful grant from CIHR for the team of Michael Seed (Paediatric Cardiologist, Hospital for Sick Kids), Han Keunen, John Kingdom (Mount Sinai Hospital) and colleagues. \$1,226,000.00 was received to study brain development following late onset intrauterine growth restriction and the hemodynamics of intrauterine growth restriction.

The MFM division productivity is evidenced in the number of publications listed elsewhere in the report. Both faculty and fellows continue in their outstanding achievements with presentations at national and international meetings for obstetrical ultrasound, prenatal diagnosis, fetal and maternal medicine. Many of our presentations have received awards at these meetings.

Graduates from our MFM fellowship training program this year included Drs. Chris Nash, Nada Alayed, Hadar Rosen, Robin Thurman, Nimrah Abbasi, Julia Kfouri. As before, some of these candidates returned to places far and wide (eg Australia, Saudi Arabia), while others are pursing master's level training in preparation for higher levels of academic careers. Fellows continue to rotate and take advantage of the excellence in training at all three fully affiliated hospital sites.

#### **FUTURE INITIATIVES:**

We are on track to recruit a clinician investigator in the Mount Sinai Division, who will work clinically at Trillium Health Partners. As well, we are on track to complete our MFM Fellowship Training Infrastructure to recruit the first two fellows in September of 2017 in Eldoret, Kenya.



## DIVISION OF REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY

Theodore J. Brown, Division Head

#### INTRODUCTION:

The 25-member REI Division comprises a diverse array of subspecialty-trained clinician-educators, clinician-investigators and scientists, and translational/basic scientists whose academic activities focus on female reproductive endocrinology and/or fertility. As one of the largest REI Divisions in North America, our members operate five independent fertility clinics, each offering a full range of diagnostic services, with four having on-site embryology and andrology laboratories. In addition to providing focused care, these clinics provide training in REI for Medical Students, Residents, and Fellows. The Division offers RCPSC-accredited GREI fellowship training at the University-affiliated Mount Sinai Fertility (formally CFRH). In addition, non-accredited GREI Fellowship Programs are offered through the Create and Trio private fertility centres. A two-year clinical fellowship in mature women's health is also offered by Dr. Wendy Wolfman.

#### **HIGHLIGHTS:**

Members of the Division participate in multiple research, educational, and advocacy initiatives directed at improving patient care and delivery. An important area of advocacy for the division is accessibility to timely and effective fertility treatment. In December of 2015, the Province of Ontario introduced publically funded in-vitro fertilization. Several members of the division played a key role in advising the provincial government on its policy, most notably Dr. Ellen Greenblatt, who chaired the advisory panel that also included Matt Gysler, Carl Laskin, and Scot Hamilton. The implementation of public funding has expanded demand and it will be important to assess health impact and advise modifications to the plan going forward. The Division welcomed Dr. Crystal Chan as a new Assistant Professor and clinician investigator based at Mount Sinai Fertility. We also celebrated the many contributions of Dr. Barb Cruickshank and thanked her for year's of mentorship and collaboration as she entered retirement. Dr. Cruickshank directed the RCPSC-accredited GREI fellowship from 2009 until 2015 and will continue to see patients on a part-time basis for the near future.

#### HONOURS:

Dr. Wendy Wolfman was selected to present the 2016 Society of Obstetricians and Gynaecologists of Toronto Marlow Lecture. Her presentation was titled "Menopausal Medicine: the Neglected Pillar of Gynaecology." Dr. Heather Shapiro served as this year's President of the Canadian Fertility and Andrology Society (CFAS), the national platform for professionals working in advanced reproductive technology and reproductive science research. As part of this role, Dr. Shapiro hosted the annual CFAS meeting recently held in Toronto (September 2016). Dr. Cliff Librach was presented with the Chair's Award for Sustained Research Excellence for his many contributions to infertility research.

#### FUTURE INITIATIVES:

The public funding of IVF has highlighted a need for systematic training of clinical laboratory staff and certification in emerging new technologies. Drs. Yaakov Bentov, Shapiro and Ted Brown have secured space for a clinical embryology simulation laboratory within the Department of Physiology at the University of Toronto for this purpose. Dr. Bentov has already identified commercial support for key items to partially equip the lab, which we hope to use as a training facility in a soon to be developed Professional Masters in Health Science Program in Advanced Reproductive Technology. This facility will also provide hands-on embryology training for interested REI fellows.



## DIVISION OF PAEDIATRIC AND ADOLESCENT GYNAECOLOGY

Lisa Allen, Division Head

#### INTRODUCTION:

The Division of Paediatric and Adolescent Gynaecology (PAG) includes Division Head, Lisa Allen, and staff members Anjali Aggarwal, Nicolette Caccia, Sari Kives and Rachel Spitzer. 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. The Division is focusing on two areas: Advocacy and Innovations in Education.

Our Division maintains a diverse practice in common conditions and rare challenges, providing over 2500 ambulatory visits annually, and attracting national referrals to its surgical complex anomalies program. It links with two community PAG clinics at North York General Hospital and at Toronto East General Hospital (currently known as The Michael Garron Hospital). In these clinics, children and adolescents receive 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, under the direction of Dr. Yolanda Kirkham.

#### ADVOCACY:

In recognition of the need for strong inter-professional care for young women with complex health care needs, our advocacy goals have included optimizing opportunities for building strong team-based care.

- The division successfully integrated the complex contraception program, in the Thrombosis clinic, bringing our team to the patient and enhancing access to contraception for young women with medical co-morbidities.
- The combined program for young women with cloacal anomalies with paediatric urology, paediatric surgery and paediatric gynaecology was launched. As these women often have reproductive health concerns that became more pressing at puberty, the integration of gynaecologic care into the surgical team is an essential component.
- The Young Parent's Program (YPP) for pregnant adolescents serves a population with high rates of mental health concerns. In the past year, psychiatric services were successfully integrated onsite into the existing team-based care. Our YPP team has participated in active community outreach to local maternity homes to strengthen the community relationship. In addition the team is concluding a research program, identifying high rates of interpersonal violence in the lives of our pregnant teens. This work can serve as a basis in building aspects of care that can address this concern into the program.
- The SickKids Fertility Preservation Program, launched in 2014, is led by a collaborative team from oncology, urology, gynaecology and reproductive endocrinology. It has now been designated by Accreditation Canada as a Leading Practice.

#### EDUCATION:

We are committed to our mandate to enhance the gynaecologic care of children and adolescents through education and research. Our fellowship program attracts strong applicants from Canada, North America as well as internationally. We participate with other fellowship programs in Canada and the United States in the North American Paediatric Gynaecology Fellowship match.

The division of PAG continues to pilot Competency Based Education in Obstetrics and Gynaecology, under the direction of Dr. Nicolette Caccia.

Continuing medical education (CME) is a strength of our division. Five years ago, PAG introduced the Carol Cowell Lectureship in Paediatric Gynaecology at the University of Toronto. This year, Dr. John Santelli, the Harriet and Robert H. Heilbrunn Professor and Chair of the Department of Population and Family Health and Professor of Paediatrics at Columbia University was our speaker, exploring global issues in adolescent reproductive health.

The University of Toronto's first CME day on Immigrant and Refugee Women's Health included a very well-received presentation on adolescents in international settings.

Drs. Caccia, Kives, Spitzer and Allen were all speakers at the North American Society of Paediatric Gynaecology 30th Annual Clinical and Research Meeting in 2016. Dr. Allen was invited as a lecturer at several International conferences including 18th FIJI World Congress of Paediatric and Adolescent Gynaecology in Florence, Italy.

#### LEADERSHIP:

We continue to lead in PAG with the provincial, national and international presence of our members: Dr. Allen was the past President of the North American Society of Paediatric and Adolescent Gynaecology, Dr. Kives was the Program Chair for the North American Society of Paediatric and Gynaecology Annual Clinical and Research meeting, which was held in Toronto in April of 2016, she is also a member of the Abstract Committee for the organization. Dr. Rachel Spitzer is the Co-Chair of CANPAGO, the PAG specialty committee of the SOGC. Dr. Allen continues as a member of the subspecialty committee of APOG.

#### **FUTURE INITIATIVES:**

A revision of our fellowship curriculum has been developed and will be introduced for the 2016/2017 academic year. This comprehensive curriculum addresses the spectrum of CANMEDS competencies in innovative formats.

Our next steps are to evaluate the experience for young women in the new programs to determine if we are meeting the needs and expectations of our patients and to modify care to address the needs of the young women we serve.



## **DIVISION OF UROGYNAECOLOGY**

Harold Drutz, Division Head

The Division of Urogynaecology at the University of Toronto constitutes the university program in "Female Pelvic Medicine and Reconstructive Pelvic surgery (FPMRS)". The program teaches and trains medical students (core and elective) and core and elective residents in Obstetrics and Gynaecology and Urology from the University of Toronto and other national and international universities. Sinai Health System, Mount Sinai Hospital (MSH) with a branch at Baycrest Health Sciences (BHS) offers a three-year postgraduate fellowship program with two clinical years of training and one year of basic science and clinical research training. Sunnybrook Health Sciences Centre (SHSC) offers a two year fellowship training program.

Faculty members at MSH/UHN are Drs. Harold P. Drutz (MSH, BHS), Division Head, Danny Lovatsis (MSH/WCH), May Alarab (MSH/BHS) and William Easton and Phaedra Diamond, Associate Staff at Scarborough Centenary Hospital. Dr. May Alarab collaboratively heads the Basic Science Research Program with Oksana Shynlova, PhD. At SMH, there are two trained specialists in FPMRS, Drs. Colleen McDermott (Division Head) and Dana Soroka are FPMRS specialists and Dr. Sari Kives, Abheha Sarkunaratnan, Deborah Robertson and Elaine Shore are specialists in Minimally Invasive Gynaecology Surgery (MIGS). At SHSC, Drs. Patricia Lee (Division Head), Janet Bodley and Rose Kung are the full-time FPRMS staff. The new FPMRS staff appointee is Louise Gagnon. The FPMRS faculty include a group of 8 MIGS surgeons including Drs, Kay Lie, Grace Liu, Herb Wong, Jamie Kroft and Leslie Po. Mary Mechlor is based at St. Joseph's Health Centre (SJHC) and is part of the SHSC group.

	PUBLICATIONS (Abstracts & Papers)	PEER REVIEWED GRANTS	PRESENTATIONS (Local, National, International. Invited Speakers, Workshops)	CME EVENTS (Local, National, International)
SHSC (Includes both FPMRS & MIGS GROUPS)	25	3	36	2
MSH (FPMRS GROUP ONLY)	28	8	18	2

#### **HIGHLIGHTS & HONORS:**

- Janet Bodley Department of OB/GYN Award for Teaching Excellence (Nov 2015). President MDMSA at SHSC.
- Patricia Lee "Best in Three Abstracts" oral presentation at SOGC (June 2016).
- William Easton and Phaedra Diamond The Rouge Valley Centenary, continue to provide community-based training in FPMRS to the MSH postgraduate fellowship program.

#### **NEW DIRECTIONS:**

- As of June 30, 2016, Harold Drutz has stepped down as University Division Head in FPMRS.
- As of January 2017, Dr. Colleen McDermott will transfer her clinical practice from SMH to Mount Sinai Hospital.
- In January 2017, Nucelio Lemos, a laparoscopic surgeon from São Paulo with a special interest in Pelvic Perineurology and Pain Surgery, will join the staff of MSH and WCH.
- In January 2017, May Alarab will open a Perineal Clinic at MSH with collaboration from Dr. Louis Liu, who has an Anorectal Motility Clinic at TWH.
- In January 2017, Harold Drutz will move his clinical practice to Baycrest Health Sciences.
- Drs. Colleen McDermott and May Alarab sit on the committee to develop AFC (Area of Focused Competence) accreditation for FPMRS with the Royal College.

On a personal level, I want to thank all the people across the GTA who have a particular interest in FPMRS for the privilege of working with you. FPMRS is at a crossroads in Canada. In the USA, it has progressed over a twenty year period, to a Board Certified Subspecialty recognized by both ABOG and ABU. In Canada, the first steps are being taken to have FPMRS reorganized as an AFC within the Royal College in Obstetrics and Gynaecology. I hope that our leadership at the University Department and the teaching hospital level will support efforts to help move this process forward.

# Obstetrics & Gynaecology UNIVERSITY OF TORONT PROGRA REPORTS

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## **UNDERGRADUATE MEDICAL EDUCATION**

Rajiv Shah, Director

#### INTRODUCTION:

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. The Committee meets five times a year to discuss issues affecting undergraduate education, to create innovative educational strategies for the curriculum to generate guidelines and respond to course evaluations, all with the overarching goal of enhancing the student experience.

#### HIGHLIGHTS:

- Scarborough Birchmount became our newest teaching site this past year. The Faculty offered a 3 week sub-rotation to the Fitzgerald Academy students. The students have had a great community experience at Scarborough Birchmount and we are delighted by the faculty's commitment to undergraduate education and thank all those who helped make this opportunity a possibility.
- We are pleased to announce that the Longitudinal Integrated Clerkship (LIC) program was successfully offered at the Fitzgerald, Peters-Boyd and Wightman-Berris Academies this past year. The students is this program continue to value the mentorship and longitudinal relationships they develop with their patients. We thank all Faculty who were preceptors and helped with the teaching of the Longitudinal Clerkship.
- This year we have been hard at work developing a clerkship sub-rotation at William Osler Health System (WOHS) (both Brampton and Etobicoke campuses). This three-week sub-rotation will be launched starting this October and is offered to our students at the Mississauga Academy of Medicine. We recently completed a Faculty development night at WOHS and thank all the Faculty for their dedication and contributions to the teaching of our undergraduate medical students.
- The online learning resource in Ob/Gyn for our undergrad students continues to be expanded. This summer we added a new learning module on Transgender health care. Please visit this online platform at http://thehub.utoronto. ca/obgyn. Feel free to offer any suggestions or updated articles/links for our students.
- The first and second year undergraduate medical education curriculum is under construction and will be offered starting the next academic year. Small group teaching sessions will replace the traditional didactic lectures and more emphasis will be placed on student driven learning. We look forward to embracing this new educational model.

#### FUTURE INITIATIVES:

This past summer we developed three simulation modules for our students in the following domains: needle safety, perineal repair and postpartum hemorrhage. We will be piloting these simulations this year and, if successful, hope to offer it to all of our students in the coming years.



## **RESIDENCY PROGRAM**

Donna Steele, Director

#### INTRODUCTION:

In 2015-16, our 70 residents trained at nine clinical sites affiliated with our Residency Program. The Residency Program Committee, (comprising faculty site- and rotation-coordinators, and resident representation for each PG year) plans and oversees a quality educational experience designed to produce excellent practitioners in Obstetrics and Gynaecology, as well as future leaders and researchers. Thirteen new PGY1s joined our program in July, 2015. We congratulate the 14 PGY5s who successfully completed the Royal College exams in May, 2016 and wish them all the best in their future endeavours.

#### **HIGHLIGHTS:**

Our program underwent an Internal Review on April 13, 2016. This process is a PGME review that replicates the Royal College Accreditation process. We are pleased to report that the Internal Review Committee identified six strengths of our program and no weaknesses. The outcome was "No further action is required". This is a significant program accomplishment. 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". Thank you to all involved for their contributions to such an outstanding accomplishment.

Our Residency Program offered an alternative Night Float (NF) call model beginning July 1, 2013. In response to continued NF surveys and the efforts of the NF Committee, the program offered a Flexi-4 NF system in April 2015. The Flexi-4 NF system received formal PARO approval on April 13, 2015. Surveys and discussion have consistently shown that the NF system is preferred to traditional 24-hour call and that it has resulted in reduced fatigue and improved continuity of patient care. Through many iterations, we achieved levels of resident morale, surgical experience, and impact on family relationships that are comparable to the 24-hour call system. We are continuing in our attempts to create a resilient NF call system that does not depend on overworked/fatigued residents and does not compromise clinical experience.

The NF Committee's summary of the U of T experience on implementation of a NF system was published in the JOGC (November 2016) "A 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. Thank you to Caroline Sutherland for editorial support and Joe George for Fluid Survey support and to all of our residents for their ongoing feedback to improve our NF call model. This article reviews our process for developing a NF call model, along with resident perceptions and experiences, with the idea of offering insight for residency programs that are considering alternative call systems.

The Academic Half-Day (AHD) Subcommittee, started in October 2015, exemplifies one of the resident-driven elements of the program. This Subcommittee serves as a forum for residents to provide input to the AHD curriculum and address issues that arise in regard to the AHD. It will recommend AHD topics, organize the AHD summer schedule for each academic year, monitor attendance, and address other issues as necessary.

#### **FUTURE INITIATIVES:**

CaRMS interviews will take place on Jan 27 and 28, 2017. For the first time, we will be including a Skills Test as part of our resident selection process. This component will help to identify candidates who are less suited to a surgical specialty.

OBGYN is in Cohort 4 for the Royal College Competency by Design (CBD) rollout. The Royal College experts will meet with all OBGYN Program Directors in Canada starting in the Spring of 2017. This workshop activity will involve identification of competencies and development of assessment tools in our specialty for CBD to be in place for July 2019.

#### **HONOURS:**

#### 2016 RESIDENT AWARDS

#### Excellence in Clerkship Teaching for 2014-15.

- PGY3 award: Lesley Hawkins and Marian Leung
- PGY4 award: John Ibrahim
- PGY5 award: Ummi Habiba and Rebecca Menzies

#### American Association of Gynaecologic Laparoscopists (AAGL) Award

- 2016 Recipient: Jessica Green
- Dr. Sidney M. and Roselyn Tobin Compassionate Scholarship in Obstetrics & Gynaecology
  - 2016 Recipient: Julie Thorne
- Society for Maternal-Fetal Medicine Award (inaugural)
  - 2016 Recipient: John Snelgrove

#### Dr. Frederick R. Papsin Postgraduate Award

- 2016 Recipients: Michael Secter and Andrea Simpson

#### 2016 JW Knox Ritchie Research Award for best abstract/presentation by a Resident

- Rebecca Rich "Selecting Performance Indicators for Maternity Care in a Circumpolar Context: A Modified Delphi Approach."

#### 2016 FACULTY AWARDS

- **CREOG National Faculty Award for Excellence in Resident Education** 
  - 2016 Recipient: Sari Kives

#### The Neelam Sierra Resident Advocacy Award

- 2016 Recipient: Donna Steele



## **FELLOWSHIP TRAINING PROGRAMS**

Heather Shapiro, Director

#### INTRODUCTION:

Our fellowship programs continue to grow both in depth and breadth. Our trainees are from across Canada and the world. We have 16 programs, including MIS surgery at every core site, educating more than 40 fellows.

This year we welcome Dr Stephane Laframboise as the new program director of the Gynaecologic Oncology program. She inherits an excellent program thanks to the past leadership of Dr Alan Covens. MFM and GREI both underwent the internal review process this year and were found to be excellent. In particular the PDs – Cindy Maxwell and Kim Liu were noted to be engaged, dedicated and well respected. Both were cited for extensive formal teaching, high academic standards and excellent evaluation tools.

Our Fellowship committee falls under the leadership of the university wide committee, whose report can be found at http://www.pgme.utoronto.ca/content/fellowship-education-advisory-committee. Specifically they have provided Guidelines for Educational Responsibilities in Clinical Fellowships to which all our programs adhere. We continue to strive to facilitate applications of international graduates for fellowship positions with an online form. This reduces the burden of administrative staff who often oversee clinical activities as well.

The Fellowship programs contribute a large part to this department's strong international research collaboration. We are proud to maintain the high standard that we have for all our trainees.

Looking forward, we are planning to develop Areas of Focussed Competence (AFC) for the pelvic and reconstructive surgery fellowships.


# **CONTINUING MEDICAL EDUCATION**

Rory Windrim, Director, Continuing Professional Development & Knowledge Translation

### INTRODUCTION:

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. Monthly Interhospital Rounds, as listed below, were also presented in all of the distributed sites. In addition, the MOREOB Interprofessional CPD Program was once again active at all centres in the GTA. Led by Dr. Rachel Spitzer and Dr. Nan Okun, we have begun an interactive Telehealth Obstetrics Rounds CPD program with our partner Unit in Moi, Eldoret, Kenya.

### CPD COURSES:

Our Department presented a record number of courses, to a record number of attendees in 2015/16. These University of Toronto accredited CPD events, listed below, addressed issues in Women's Health in diverse areas ranging from the health of new Canadian women to simulation assisted education in minimally invasive gynaecologic surgical techniques.

### HONOURS:

Dr. Michele Farrugia won the 2015 Chair's Award for Continuing Medical Education Course Coordination and Dr Han Keunen was awarded the 2015 Chair's Award for Excellence in Continuing Medical Education Teaching.

### **INTERHOSPITAL ROUNDS 2015/2016:**

Date	Presenter/Topic	Location
September 18th, 2015	Dr. Grace Janik Surgical Management of Deep Infiltration Endometriosis	Sunnybrook Health Centre
October 9th, 2015	Dr. Michael Geary New Concepts in QIPS for Shoulder Dystocia and OASIS	St. Michael's Hospital
November 13th 2015	Dr. Ronald Heslegrave Research Integrity: Enhancing Transparency and Accountability to Promote Trust	Mount Sinai Hospital



Date	Presenter/Topic	Location
Friday, December 4, 2015	Cannell Lecture at APOG Conference Dr. Fredde Scheele Preparing the 21st Century Physician	Marriott Hotel
Friday, January 8, 2016	Dr. Jennifer Blake The Role of the SOGC on Quality of Care	Mount Sinai Hospital
Friday, February 12, 2016	Dr. Clifford Librach The Liquid Biopsy: A New Frontier in Diagnostics for Reproduc- tive Medicine	Mount Sinai Hospital
Friday, March 11, 2016	Dr. Jonathan Gubbay, Dr. Doug Sider, Dr. Ingrid Lai The Zika Virus	Mount Sinai Hospital
Friday, April 8, 2016	Dr. John Santelli Adolescent Pregnancy Prevention: Thinking Globally, Acting Locally	Mount Sinai Hospital
Friday, May 13, 2016	Henderson Lecture Dr. Emmanuel Bujold Prediction and prevention of uterine scar defect: 20 years of research.	Victoria College University of Toronto
Friday, June 10, 2016	Dr. Ally Murji Update on University of Toronto Collaborations in Fibroid Research	Mount Sinai Hospital

### CPD ROUNDS 2015/2016:

Course Title	Course Director(s)	Date	Number of Participants
2nd Annual MIGS Conference	Jamie Kroft and Grace Liu	September 19-20, 2015	60
12th Annual Everyday Gynaecology: The Management of Common Gynaecologic Conditions	Jackie Thomas	October 23, 2015	269
Vulvar Disease Update	Amanda Selk	October 24, 2015	241

Course Title	Course Director(s)	Date	Number of Participants
Infectious Diseases in Obstetrics & Gynaecology	Paul Bernstein and Mark Yudin	November 20, 2015	181
Medical Disorders in Pregnancy	Mathew Sermer and Cindy Maxwell	November 21, 2015	194
Shoulder dystocia review: 4 simulation workshops across the GTA.	Michael Geary and Sharon Adams	2015 / 2016	60
Pre-Term Birth Review Day	Wendy Whittle	January 15, 2016	161
12th Annual Obstetrics Malpractice: A Survival Guide for 2016	Dan Farine	January 16, 2016	223
7th Annual St. Michael's Hospital Women's Health Symposium	Deborah Robertson	February 5, 2016	343
19th Annual Women's Imaging: Advances in Gynaecologic Imaging and First Trimester Ultra- sound	Phyllis Glanc, Greg Ryan and Rory Windrim	February 26 – 28, 2016	387
12th Annual Mature Women's Health Care	Harold Drutz and Wendy Wolfman	April 15, 2016	438
Global Refugee and Immigrant Women's Health	Rachel Spitzer	May 6, 2016	59
24th Annual New Developments in Prenatal Diagnosis and Medical Genetics	David Chitayat	May 18, 2016	245
Advances in Female Pelvic Medicine & Reconstruc- tive Pelvic Surgery	Harold Drutz	May 27 – 28, 2016	93
Overcoming Breastfeeding Challenges	Michele Farrugia	June 2, 2016	144
14th Annual Refresher in Primary Maternity Care	Anne Biringer and Rory Windrim	June 3, 2016	238

# GLOBAL HEALTH & ADVOCACY IN THE DEPARTMENT LEADING WITH CARE THROUGH AMPATH



### **INTRODUCTION:**

Advocacy and Global Health continue to advance within the department. Our department Advocacy Committee, comprised of a group of interested faculty and residents, continues to be involved in numerous exciting initiatives. Our residents have continued their links with a refugee shelter to make women's health presentations to groups of women new to Canada. Our most exciting development involves our partnership with Women's College Hospital and our colleagues at Indiana University to host, starting in 2016, Canada's first fellowship program in Global Women's Health and Equity for North American graduates of ObGyn programs; our Advocacy committee is stepping up to the plate in serving as fellowship committee for this new program with recruitment to come in the next academic year. We further plan to introduce social responsibility awards within the department in the coming year to highlight the remarkable work of our faculty and trainees and our global health interest group for trainees continues to meet a few times per academic year.

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. 'Leading with Care,' with philanthropic support primarily from the Purpleville Foundation for which we are extraordinarily grateful, and through other granting agencies, including USAID, Saving Lives at Birth and Grand Challenges Canada, we have co-led and implemented novel, as well as proven MNCH activities in 7 innovative sites, covering a population of 750,000. 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. Dr. Heather Millar, one of our own graduates, worked this past year with Astrid as Team Leader in Reproductive Health; thanks to our partnership with Indiana University. In addition to fulfilling the usual Team Leader responsibilities of trainee supervision and provision of clinical care and teaching on the ground in Eldoret, Heather used her passion for adolescent care to contribute to numerous advances in this area. Much of her work with adolescents has been in collaboration with Dalla Lana School of Public Health epidemiologist, Dr. Paula Braitstein. An adolescent clinic, focussing on the sexual health needs of this population, is set to open in Eldoret in the near future thanks to the efforts of Heather and her team. Toronto postgraduate trainee, Dr. Kirsten Niles, visited Moi as an elective trainee, and two U of T medical students rotated to Eldoret with our annual 2 Moi students, Joan and Tume, coming to Toronto in return. Dr. Chris Nash was our first MFM fellow to rotate in Eldoret, highlighting the role of the MFM fellow as our Moi colleagues plan to implement their own program in the coming year. 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.

The Gynaecologic Oncology fellowship program at Moi University, a program co-led by Barry Rosen, is graduating its 4th and 5th oncologists, Drs. Jane Namugga and Greg Ganda; Jane will take her skills back to her native Uganda and Greg will work in Kisumu in western Kenya. This will allow the reach of this gynaecologic oncology training program to become truly international across the east African region. Drs. Rosen and Omenge (department head at Moi and one of the first Gynaecologic Oncology graduates) will be speaking internationally on their experience of this advanced training program in a low-resource setting. 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 Abbvie Foundation is also supporting an exciting new initiative to add home HPV testing to existing home testing initiatives within AMPATH's extensive primary care program.

Building on the success of the Gynaecologic Oncology fellowship program, we aim to launch a fellowship in Maternal-Fetal Medicine at Moi University. This endeavour is being spearheaded locally by Dr. Nan Okun, and will no doubt open further opportunities to advance care, research and education for our departments in Kenya and in Toronto.

As ever, our co-leadership in the AMPATH-Reproductive Health collaboration has become a cornerstone of our department and continues to 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.







# EDUCATIONAL PARTNERSHIP PROGRAM

The Department's Educational Partnership Program continues to develop and support teaching activities within the areas of Undergraduate, Postgraduate, and Continuing Medical Education.

We would like to take this opportunity to acknowledge and thank our partners for their generous commitment and support of our educational activities throughout this and past years.

The 2015 – 2016 Industry Sponsors are:



We look forward to future collaborations that continue to enhance development and growth within the educational programs of the Department.

# Obstetrics & Gynaecology UNIVERSITY OF TORONTO

MMITTEE

FACULTY PROFESSIONAL DEVELOPMENT DAY

Workshop II: Exploring the Benefits and Challenges of CBME Implementation

Presenters: Nicolette Caccia & Filomena Meffe

Time: 3:00-4:00PM Location: Valleyanna

First name

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Michael Fay

Last name

REPORTS

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FACULTY PROFESSIONAL DEVELOPMENT DAY Workshop III: Simulation Scenario Writing Presenters: Bruce Ballon & Tatiana Friere-Lizama

Time: 3:00-4:00PM Location: Sunnybrook Dining Room

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First name	Durant
Howard	Berger
	Bernardini
Marcus	Brown
Adrian	Drutz
Harold	
May	Elhajj
Jamie	Kroft
Janua	Mahmoud
Haidar	
Adelmo	Martoglio
	May
Taymaa Eva	Mocarski
Eva	1
Nicholas	Pairaudeau
Helen	Robson
	Tessler
Karen	Woods
Brenda	Woods

UNIVERSITY OF TORONTO



FACULTY PROFESSIONAL DEVELOPMENT DAY

ULTY PROFESSIONAL DEVELOPMENT DAY

Norkshop 2 The Resident in Difficulty

Personal Person Desired

Time 100-400PM

of them, beating of Medicine

UNIVERSITY OF TORONTO

Workshop IV: Preparing for a Successful Academic Evaluation and Senior Promotion

Presenter: Awum Gotlieb

### Time: 1:45-2:45PM

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First name	1		
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Marcus	Bernardini		Last name
David	Chitayat	Alexandra	Nevin Lam
Rohan	Chinzyat	Nan	
	D'Souza	Nicholas	Okun
Sarah	Ferruson	MULDOL25	Pairaudeau

### FACULTY PROFESSIONAL DEVELOPMENT DAY

Workshop V: Publish or Perish: Moving from Abstracts to Papers Presenters: Ted Brown & Kellie Murphy

Time: 3:00-4:00PM

Location: Main Ballroom

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	Last name	First name	Last name
Lisa	Allen	Inc	wast name
Robert	Casper	lan	Rogers



# **PROMOTIONS & AWARDS COMMITTEE**

Dan Farine, Chair

### INTRODUCTION:

The committee's 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. Similarly the Committee has to r ecommend to the Chair, individuals that should be nominated for the full range of Awards, ranging from those at the University of Toronto, awards at the Provincial and National level, together with prestigious International awards.

The Department is pleased to announce the following Senior Promotions, effective July 1, 2016:

### FULL PROFESSORS:



### Lisa Allen

Dr. Allen is the head of our University Department of Paediatric and Adolescent medicine and the director of the fellowship in her sub-specialty. She is also the Head of Obstetrics and Gynaecology at both the Hospital for Sick Children and Women's College Hospital. She did her residency in Ob/Gyn and fellowship in paediatric Ob/Gyn at the University of Toronto. And she progressed to have both national and international profile as the Co-Chair of the National CANPAGO organization, and most recently, all the way up to President of the North American NASPAG organization

### **Kellie Murphy**

Dr. Murphy is currently the Chair of the Research Committee of the university department and Head of Research (OBGYN) at Mount Sinai Hospital. Dr. Murphy did her OBGYN Residency training at the Albert Einstein College of Medicine jointly with an MSc in clinical epidemiology at Columbia University, both in New York, NY. She subsequently did her MFM fellowship at Columbia Presbyterian Medical Center in New York, NY. She has been involved in a variety of research projects including being the PI on a large international RCT on repeated doses of antenatal corticosteroids. She has served on the US National Institutes of Health NICHD Clinical Trials Safety Monitoring Board, since 2006





### Nan Okun

Dr. Okun is the Head of the Maternal- Fetal Medicine at the University of Toronto. She did her OBGYN Residency training at the University of Alberta, followed by her MFM fellowship at the University of Ottawa. For the decade of 1991-2001 she was an MFM faculty member in the OBGYN Department at the University of Alberta, and subsequently joined our MFM Division at Mount Sinai Hospital. Dr. Okun is an acknowledged leader in the delivery of prenatal screening and diagnosis services across Canada; based on her reputation in this domain of Maternal-Fetal Medicine (MFM), her opinions are sought after in several countries.

### **ASSOCIATE PROFESSORS:**

### Dr. Lilian Gien:

Dr. Lilian T. Gien is a Gynaecologic Oncologist in the Division of Gynaecologic Oncology at the Odette Cancer Center, Sunnybrook Health Sciences Centre. She completed her residency in Obstetrics & Gynaecology at the University of Western Ontario, and her Fellowship in Gynaecologic Oncology at the University of Toronto. During her Fellowship, she completed a Master's of Science in Clinical Epidemiology through the Department of Health Policy, Management and Evaluation at the University of Toronto. Dr. Gien was promoted to the rank of Associate Professor based on her research activities which include 5 recent research grants and a multitude of scientific publications and presentations. These activities led her to be a member of ICES.





### Dr. Ray Osborne:

Dr. Osborne is a Gynaecologic Oncologist in the Division of Gynaecologic Oncology at the Odette Cancer Center, Sunnybrook Health Sciences Centre. Dr. Osborne is a senior academic clinician-investigator in the sub-specialty of Gynaecologic Oncology. He is "senior statesman" in Gynaecologic Oncology at the University of Toronto. Dr. Osborne has a long track record in research and is recognized as one of the world leaders in research on gestational trophoblastic disease (GTD) in this area he has been on the forefront of international research and is recognized as one of the world leaders. He has trained at the Universities of Toronto and McMaster in Canada, at the Universities of Newcastle-upon-Tyne and Imperial College London in England and at the University of Oslo in Norway.



# **RESEARCH COMMITTEE**

Theodore J. Brown, Chair

### INTRODUCTION:

The Research Committee works to facilitate research within the department. All divisions, fully affiliated hospital sites, and trainee levels are represented within the committee, which was well supported this year by Andrew Greig, Nelson Cabral, and Tina Xue.

### **HIGHLIGHTS:**

A priority of our department is to enhance research capacity by providing opportunities for our most promising trainees and young faculty. Two recently initiated support programs are vetted through the research committee. The first is the Women's Health Scholar program, which supports residents wishing to enter the Clinician Investigators Program (CIP). Residents interested in obtaining a graduate degree during their residency are encouraged to apply and an appointed adjudication subcommittee ranks the applications. This year Dr. Lauren Philp was selected for support for her proposed work with Dr. Marcus Bernardini.

The second initiative is to encourage faculty to participate in the University CREMS scholars and CREMS summer students programs. Funds are available from the department to partially support these medical school trainees, with a preference given to projects driven by young faculty members. The research committee has established a formal procedure to apply for this support and ranks these applications based upon their scientific merit. Several CREMS summer student projects were supported this year and it is expected that these will be presented at our next Research Day. Dr. Mark Yudin, Director of Clinical Research, has continued his interactive resident research proposal presentation sessions. These sessions, held twice a year during the academic half-day schedule, are a forum where residents present their research study at the design stage for the purpose of obtaining constructive suggestions from peers and faculty. All departmental faculty members are encouraged to attend these highly interactive sessions. Dr. Kellie Murphy has also continued her well-received three-day research-training course for department Fellows and Residents, which is meant to familiarize trainees with salient aspects of the research process.

This year, the research committee reintroduced the Research Forum series. Dr. Kellie Murphy organized and moderated the session hosted by the Division of Maternal Fetal Medicine that focused on the challenges of obesity in OB/GYN. The evening session was held at the Li Ka Shing Knowledge Institute and included numerous faculty from our department speaking on the impact of obesity on fertility, pregnancy, gynaecologic oncology and surgery, pelvic floor function, and the microbiome.

The most visible activity of the committee is the organization of our Annual Research Day, held this year at the Isabel Bader Theatre and the Goldring Centre. The event continues to grow in number of presentations and in number of attendees, attesting to the importance the faculty places on evidence-based medicine and generation of new information. This year we hosted Wayne State University in a lively collaborative conference held the day prior to Research Day.

### FUTURE INITIATIVES:

The committee will continue its work implementing directives stemming from the departmental strategic plan. The committee is committed to ensuring the Research Forums series continue as these serve as an excellent platform to promote research discussions on topics that bridge interests between departmental divisions. In the coming year, the Division of Gynaecological Oncology will host the event on a topic soon to be announced.

# CHAIR'S SUMMER STUDENTSHIP AWARDS AND CREMS STUDENTS

This year, we had five 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. Ten students participated in the inaugural program this summer at four different hospital sites. We were very impressed by the work done this summer by all 13 students, and we hope that these programs will continue to be successful at promoting research in our department going forward.

Below are short profiles on each student and the projects they were involved in.



Receiving the Chair's Summer Studentship Award from the Department of Obstetrics & Gynaecology allowed me to pursue this research opportunity. Within the clinic, I had the opportunity to shadow a full day of clinic visits and surgical procedures, which was useful for me in being able to relate the information I was collecting from charts to how they were incorporated in patient care and how retrievals and embryo transfers were physically performed. On the laboratory side of the research, I learned how to conduct an enzyme-linked immunosorbent assay (ELISA), a research technique that is particularly useful for clinical research and will no doubt be helpful in the future with any research I pursue.

Overall, my research experience at CReATe Fertility Centre this summer was an experience that not only allowed me to develop as a basic scientist, but also in the clinical realm of research, which I was quite excited for. Lastly, I am extremely grateful to the Department of Obstetrics & Gynaecology, alongside the Comprehensive Research Experience for Medical Students (CREMS) program at the University of Toronto, for funding my research this summer, as without this I would not have been able to pursue my research project in reproductive biology.

**ANNIE QU** 



Hello! My name is Annie Qu and I am currently a second year medical student at the University of Toronto. This past summer of 2016, I was extremely fortunate to have the opportunity to work as part of the CReATe Ferility Clinic research team, conducting research on human sperm. The project I participated in looked at certain characteristics of sperm, originally found in agricultural animals, to see if these patterns translate to human sperm as well. Over the course of the summer, I gathered preliminary data regarding particular patterns of human sperm behavior (thought to be predictive of fertility rates) and I am in the process of correlating these results with intrauterine insemination (IUI) outcomes! If successful, our goal is to ultimately improve IUI outcomes by using an assay developed by Arex Life Sciences Inc. that predicts the behaviour of sperm, telling us when ejaculated sperm are most fertile.

During my time at CReATe, I have also learned many useful skills such as reviewing patient charts and laboratory techniques used in fertility treatments, and have had exposure to the field of reproductive endocrinology first hand. The staff at CReATe have all been very friendly and helpful, and have been an absolute pleasure to work with. Under the guidance of Dr. Librach, who is extremely knowledgeable, this experience has been invaluable as both a future clinician and possibly a future clinician-scientist.

# **CREMS STUDENTS**

# **VIWEN LIU**



My name is Yiwen Liu and I am a third-year medical student at the University of Toronto. Obstetrics and Gynaecology has been one of my top specialty choices from the beginning, and though I have spent time exploring this interest in my first two years, this summer at the Mount Sinai Centre for Fertility and Reproductive Health was my first opportunity to be immersed in the field full-time. Though my primary purpose was to conduct a retrospective review study, it was an enriching experience in innumerable other ways.

None of this would have been possible without the guidance and support of Dr. Chan. She is accessible, enthusiastic, and extremely passionate about research and teaching. It was impossible to not get infected with the same enthusiasm from interacting with her and observing the relationships she builds with patients. On top of being a great clinician, she was also very instructive in guiding me through the process of constructing a retrospective research study. She is an excellent mentor and model for how I hope to conduct myself as a physician and researcher in the future. I thank the Department of Obstetrics and Gynaecology at the University of Toronto for the invaluable opportunity to observe and partake in a subspecialty practice of such caliber as the Mount Sinai Centre for Fertility and Reproductive Health. I hope to get the opportunity to work within the department again in the near future.

# **CASSANDRA BRIGANTE**



Project: Pregnancy outcomes following ulipristal acetate treatment for uterine fibroids: First Canadian case series

Over the summer, I had the opportunity to assist with various research projects. My principal focus was on compiling a case series of pregnancy outcomes following the treatment of uterine fibroids with ulipristal acetate (UPA). Although the literature on this topic is limited, our study also incorporates a comprehensive systematic review of published post-UPA pregnancies to date. Additionally, in collaboration with Dr. Nicholas Leyland at McMaster, Dr. Murji and I published a clinical image in the Journal of Minimally Invasive Gynaecology entitled "Richter's hernia after laparoscopic surgery." I am very grateful for this opportunity as it has allowed me to continue to develop my research skills while gaining exposure to the exciting field of Ob//Gyn.



# **CREMS STUDENTS**



This summer, Dr. Amanda Selk and I worked together to create a severity scale for adult vulvar lichen sclerosus, a disease for which the etiology remains unknown, and prognosis and success of treatment remains variable between patients. We embarked on a Delphi consensus exercise to generate an international consensus on which items to include in this severity scale.

Through this work, I have learned how to conduct a very thorough literature review as well as how to employ a new research technique for generating expert consensus. This work will be presented at the International Society for Vulvovaginal Disease annual conference in 2017 in Argentina and published in the Journal for Lower Genital Tract Disease upon its completion and will contribute towards shaping a tool for use by the research and clinical community to study and more effectively treat adult vulvar lichen sclerosus.

# EMILY LANDON



Many medical trainees are deciding to have children in residency and subsequently taking parental leave(s) during their training. Although parental leave experiences have been well studied in other professions, the few previous studies in medicine have largely collected quantitative data. We are conducting a qualitative study interviewing people who have had children during an OBGYN training program in the past five years in Ontario. We hope to gain an understanding of our participants' experiences surrounding parental leave including supports and barriers, specific challenges, and recommendations to optimize future experiences. Preliminary findings suggest that although taking parental leave during training does involve personal and career-related concerns and challenges, support from the training programs, family, colleagues, and partners help to counteract these.

# **SUMMER STUDENTS**





Danielle Wuebbolt and Vanessa Nguyen are third year medical students at the Royal College of Surgeons in Ireland. In the Special Pregnancy Unit at Mount Sinai Hospital, they spent their summer working with an international team of students on Patient preferences studies in regards to treatment options for epilepsy and anaemia respectively. Through interviewing patients, collecting and analyzing data for their studies, they performed interim and final analyses thereby taking these projects from the study design phase through to seeking ethical approval to completion.

Danielle and Vanessa were able to further their communication and research skills by having hands-on experience in a clinical setting and learned about various research methodologies through weekly research meetings. Their abstracts were submitted to the 2017 SMFM conference and were accepted for presentation at the 6th International COMET conference in Amsterdam. They look forward to seeing where their academic research careers will take them and enjoyed their time at Mount Sinai this summer.

# HOSSAI FURMLI



Hi, my name is Hossai Furmli and I am a current third year medical student at the University of Ottawa. I completed my undergraduate degree at the University of Toronto, majoring in Biological Sciences and minoring in Sociology and Literature and Film. Having a great personal interest in the field of Obstetrics and Gynaecology, I was quite happy to be given the opportunity to explore it further after receiving the Chair's Summer Studentship Award. During my time, I was exposed to several aspects of Obstetrics and Gynaecology that really enriched my understanding of the complexities within the specialty.

At the same time, I was able to learn a lot more about the important role that allied health plays in the obstetrical field by being placed in a multidisciplinary research team that included midwives and obstetrical nurses. Dr. Murphy and Dr. Bocking also acted as great mentors, and by working under their supervision I gained an enhanced appreciation of the research method and process, while also learning a lot about statistical analysis. Overall, this opportunity really helped me open my eyes to both the research and clinical aspects of Obstetrics and Gynaecology while allowing me to pursue my own interest in the field and develop valuable clinical knowledge and research abilities.



# **SUMMER STUDENTS**



I just entered the fourth year of my undergraduate degree at the University of Toronto where I am studying to obtain my HBSc. I received a summer student position with Dr. Ann Malinowski in the OBGYN department at Mount Sinai Hospital. Dr. Malinowski and I conducted preliminary investigations into the practices of a wide range of medical professionals who deal with sickle cell disease. This position has allowed me to gain invaluable research experience in obstetrics, while also providing me with a better understanding of blood disorders.

**COURTNEY FIRESTONE** 



Project: The Impact of Lymph Node Involvement on the Immune Landscape in Advanced Stage Epithelial Ovarian Cancer

Epithelial ovarian cancer (EOC) is the seventh most common cause of cancer death in women internationally, with nearly a quarter million women diagnosed worldwide each year. The role of the immune system in EOC is a topic of great interest as tumourinfiltrating lymphocytes (TILs) can impact patient prognosis: the presence of CD8+ cytotoxic lymphocytes is known to improve outcomes, while CD4+ regulatory T cells downregulate the positive anti-tumour immune response leading to poorer patient outcomes. In this project, we compare patients diagnosed with advanced stage EOC who present with or without lymph node metastases, with the aim of identifying differences between the populations of lymphocytes present as TILs as well as at the level of the lymph nodes. Courtney completed her Summer Studenship under the mentorship of Tomer Feigenberg.

# **SUMMER STUDENTS**



After completing my second year of medical school at the University of Toronto, I had the opportunity to spend my summer with Dr. Lisa Allen and the members of the Invasive Placenta Team at Mount Sinai Hospital. The purpose of our retrospective study is to describe the current blood conservation techniques used in the perioperative management of abnormal invasive placentation (AIP) and evaluate the utility of specific interventions and their impact on maternal outcomes. To gain a better understanding of the clinical and surgical management of women with AIP, the Team encouraged me to observe cases completed during the summer. This allowed me to gain knowledge about the strategies in place to reduce maternal morbidity, as well as appreciate the intricate workings of the multidisciplinary team (e.g., Nursing, Interventional Radiology, Obstetrics and Gynaecology, Maternal Fetal Medicine) as an indispensable component of care. Furthermore, the experiential learning environment demonstrated the important relationship between research and medicine; that is, the potential for inquiry to refine care plans and improve patient outcomes. The Chair's Summer Student Award supported my learning in Obstetrics and Gynaecology as a medical student, demonstrating the fundamental value of evidence-based medicine.

# **AMARA MATTHEWS**



My name is Amara Mathews and I have had the wonderful opportunity to work with Dr. Wolfman and Dr. Alison Shea this summer in Gynaecology at Mount Sinai Hospital. I am a University of Toronto student who majored in Human Biology with a specialization in Health and Disease, who is interested in Surgical Gynaecology, so this was a truly fortuitous opportunity!

I was incredibly interested in interacting with patients and having had a chance to speak with these women, I better understood their stories and the need for new medical interventions and treatments. I also worked on more technical aspects of research, by working to create consent forms, flyers and on the REB for approval.

It has been an incredible experience and I am taking with me an expanded vocabulary, advanced medical knowledge, as well as wonderfully enlightening conversations with patients.

I am incredibly grateful for this opportunity and I am so honoured to be part of the Mount Sinai team.



# 33<sup>RD</sup> ANNUAL RESEARCH DAY

ATRE



# **33<sup>RD</sup> ANNUAL RESEARCH DAY**

Once again, the Department hosted a successful Research Day, on Friday, May 13th, the 33rd annual event. In addition, we invited participants from Wayne State University to join us on May 12th for Wayne State University Collaboration Day. Both events took place at Victoria University in the University of Toronto, and were very well attended. Over 350 people registered and 121 abstracts were submitted across both days. A maximum of 7.0 Royal College credits in continuing medical education were available for full-day attendance on Research Day.

We were also pleased to have Dr. Emmanuel Bujold from Laval University as our Henderson Lecturer for this year. Dr. Bujold is a full professor at the Department of Obstetrics & Gynaecology of Laval University's School of Medicine where he holds the Jeanne et Jean-Louis Lévesque Research Chair in Perinatology. Dr Bujold's lecture addressed the common and important topic of "Prediction and prevention of uterine scar defect: 20 years of research."

On behalf of the Research Committee, I would like to thank everyone who participated, our administrative staff and volunteers, highly visible in their U of T blue shirts, who worked so hard to put it together, and all those faculty members who acted as Chairs and Judges. Special thanks go to the Research Committee, particularly Theodore J. Brown as Chair, and to Stephen Lye as Vice-Chair, Research, who will be stepping down from this role as of June 2016 after a decade in this leadership postion.

The 2016 JW Knox Ritchie Research Awards for best abstract/presentation by trainee category were awarded during the celebratory wine and cheese reception at the end of the day.

## **WAYNE STATE UNIVERSITY COLLABORATION DAY**

This year we were excited to join Wayne State University (WSU) in hosting a joint OBGYN Collaboration Day on May 12th 2016! This half day event included oral and poster presentations from WSU and UofT trainees, breakout sessions geared towards discussing potential areas of collaboration and exchange between WSU and the University of Toronto, as well as two presentations on cross-border training opportunities for trainees.



# **COLLABORATION CORNER**

### Obesity in Pregnancy: A Review of ACOG, RANZCOG, RCOG and SOGC, Guidelines

Dana Vitner, Department of Obstetrics and Gynaecology, University of Toronto Cynthia Maxwell, Mount Sinai Hospital Dan Farine, Department of Obstetrics and Gynaecology, University of Toronto

# The Students for Antimicrobial Stewardship Society: Growing a Culture of Stewards in Obstetrics & Gynaecology

Vanessa Zannella, Department of Obstetrics and Gynaecology, University of Toronto Ali Damji, Mount Sinai Hospital Antonio Lee, Mount Sinai Hospital Sarah Silverberg, Mount Sinai Hospital Jeremy Gross, Mount Sinai Hospital Alainna Jamal , Mount Sinai Hospital Samantha Dunnigan, Mount Sinai Hospital Alvin Szeto, Other Dhruvin Hirpara, Mount Sinai Hospital Omar Mourad , Mount Sinai Hospital Andrew Morris , Faculty, Mount Sinai Hospital Mark Yudin, Department of Obstetrics and Gynaecology, University of Toronto

# Obstetric Anal Sphincter Injury (OASIS): Pre-training baseline data on incidence and risk factors from 18 Hospitals across the Greater Toronto Area

Marian Leung, Department of Obstetrics and Gynaecology, University of Toronto Loralei De Guia, St Michael's Hospital Leanne De Souza, St Michael's Hospital Cathy Yang, Other Jon Barrett, Sunnybrook Health Sciences Centre Howard Berger, St Michael's Hospital Andrea Lausman, St Michael's Hospital Michael Geary, Department of Obstetrics and Gynaecology, University of Toronto

# Research in Progress: Intrapartum GBS Screening using a Rapid Point-of-Care test in Western Kenya

Julie Wright, University of Toronto Kevin Kain, University of Toronto Astrid Christoffersen-Deb, University of Toronto Rachel Spitzer, University of Toronto David Aronoff, Other Caitlin Parks, Other Saudah Farooqui, Other Julia Songok, Other Ian Mwangi, Other











# **ORAL PRESENTATIONS**

Legend:

(1) Department of Obstetrics & Gynaecology University of Toronto	(4) St. Michael's Hospital	(7) Department of Physiology University of Toronto
(2) Other	(5) Mount Sinai Hospital	(8) Sunnybrook Health Sciences Centre
(3) Lunenfeld-Tanenbaum Research Institute	(6) Hospital for Sick Children	(9) University Health Network

### O1 - Chromosomal microarray as a first tier test following diagnostic prenatal procedures, the Toronto Mount Sinai hospital experience.

Nada Alayed (1), Nan Okun (1), Karen Chong (1), Adbul Noor (1), David Chitayat (2), Elena Kolomietz (2)

### O2 - Effectiveness of the Quadrivalent Human Papillomavirus Vaccine (QHV) Against Anogenital Warts (AGWs) in Manitoba, Canada: a Populationbased Study

Karla Willows (1), Songul Bozat-Emre (2), Erich Kliewer (2) Salah Mahmud (2)

### O3 - Ceramide Augments BOK-Induced Mitochondrial Fission in Preeclampsia

Jonathan Ausman (3), Isabella Caniggia (3)

### O4 - Selecting Performance Indicators for Maternity Care in a Circumpolar Context: A Modified Delphi Approach

Rebecca Rich (1), Susan Chatwood (2), Thomsen D'Hont (2), Janice Linton (2) Jeremy Veillard (2) Kellie Murphy (5)

### O5 - Overexpression of Trophoblast Stem Cell-Enriched microRNAs Promote Trophoblast Fate in Embryonic Stem Cells

# O6 - The Development of a Retroperitoneal Dissection Model

Aisha Yousuf (1), Abheha Satkunaratnam (4), Helena Frecker (1), Eliane Shore (4)

### 07 - Progesterone (P4) Paradoxically Promotes Myometrial Gap Junction Coupling through its PRA isoform

Lubna Nadeem (3)

### O8 - Does Medical Pre-treatment of Fibroids with Ulipristal Acetate affect the Surgical Experience at Myomectomy?

Marta Wais (1), Sabrina Lee (1), Grace Liu (1), Alice Pham (1), Melissa Tai (1), Ally Murji (5)

### O9 - Association of newborn brain MRI with fetal hemodynamics and neurodevelopment in late-onset intrauterine growth restriction

Meng Yuan Zhu (6), An Qi Duan (6), Prashob Porayette (6), Brahmdeep Saini (6), Jessie Mei Lim (7), Natasha Milligan (5), Sharon Portnoy (6), John Sled (2) Edmond Kelly (5), Christopher Macgowan (6), John Kingdom (1), Mike Seed (6)

Ursula Nosi (7), Brian Cox (7)

### 010 - Simulator Based Obstetric Ultrasound Training: A Prospective Randomized Single-Blinded Study

Hadar Rosen (5), Stefania Ronzoni (1), Lara Gotha (1), Yee Man Lee (5), Sev Perelman (5), Rory Windrim (1)

# O11 - Transgenerational Programming of Transcription in the Hypothalamic Paraventricular Nucleus (PVN) by Glucocorticoids

Andrea Constantinof (7), Vasilis Moisiadis (7), Alisa Kostaki (7), Stephen Matthews (7)

### 012 - Prioritization of Patients for IVF Funding in Ontario

Tom Gotz (1), Claire Jones (1)

### 013 - Directed Differentiation of Human Induced Pluripotent Stem Cells to Renal Progenitors

Theresa Chow (3), Jennifer Whiteley (1), Andras Nagy (1), Ian Rogers (1)

# O14 - Effect of Kenya's Policy of Free Maternity Services on Outcomes of Women with Pre-Eclampsia/Eclampsia at a Large Teaching and Referral Hospital in Kenya

Julie Thorne (1), Wycliffe Kosgei (2), Caitlin Parks (2), Heather Millar (1), Vincent Kibet (2), Johanna Sitters (2), Joy Marsha (2), Christian Bernard (2), Julia Songok (2), Astrid Christoffersen-Deb (1)

# **POSTER PRESENTATIONS**

### Poster Group A - Education & Quality Improvement I

Survey of Canadian PGY-4 and PGY-5 Obstetrics and Gynaecology Residents on Knowledge of and Exposure to Premature Ovarian Insufficiency Radomir Jarcevic (5), Lindsay Shirreff (1), Wendy Wolfman (1), Marie Christakis (1)

### **Resident Perceptions of Obstetrics and Gynaecology Handover at the University of Toronto** Helena Frecker (1), Deborah Robertson (1)

**Obstetrics and Gynaecology Career Choices – The Impact of Mentorship** Brian Liu (1), Leslie Po (1), Donna Steele (1), Rose Kung (1), Jamie Kroft (8), Herb Wong (1), Grace Liu (1)



### APOG Project to Determine Readiness and Needs for Implementation of a Competency-Based Residency Curriculum (CBRC) in Canadian OBGYN Programs

Evan Tannenbaum (1), Nicolette Caccia (1), Sharon Dore (2), Taryn Taylor (2), Margaret Sagle (2), Nancy Kent (2)

### Teaching Laparoscopic Knot Tying to Medical Students

Heather Shapiro (1), Daniel Axelrod (1), Crystal Chan (1)

### Quality Assessment: Utilization and Documentation of the Bishop Score at the Time of Induction of Labour

Nicole Gibbings (8), Jon Barrett (8), Howard Cohen (8), Dini Hui (8), Noor Ladhani (1), Nir Melamed (8), Ori Nevo (8), Anne Berndl (8)

Poster Group B - Education & Quality Improvement II

**Female Pelvic Medicine and Reconstructive Surgery in Canada: A Survey of Obstetrician-Gynaecologists and Urologists** Marie Christakis (1), Eliane Shore (4), Colleen McDermott (1)

### Patient Knowledge Regarding Prenatal Screening Options for Trisomy 21: a Canadian Hospital's Experience

Michal Sheinis (1), Kira Bensimon (1), Amanda Selk (5)

# A Survey of Medical Students and a Narrative Review of Current Antimicrobial Stewardship training in Medical Education

Vanessa Zannella (1), Sarah Silverberg (5), Jeremy Gross (5), Alvin Szeto (2), Samantha Dunnigan (5), Dhruvin Hirpara (5), Omar Mourad (5), Alainna Jamal (5), Antonio Lee (5), Ali Damji (5), Andrew Morris (5), Marcus Law (10), Mark Yudin (1)

A Greater Toronto Area (GTA-OBS) Network Standardized Protocol for the Prevention of Preterm Birth Noelle Ma (1), Marie Czikk (1), Noor Ladhani (1), Gareth Seaward (1), Jon Barrett (8), Nan Okun (1)

### Quality Improvement Initiative: Evaluation of Postpartum Pain and Quality of Recovery

Julia Ma (4), Michael Geary (1), Faraj Abdallah (4)

Poster Group C - Placenta I

Augmented Trophoblast Cell Death in Preeclampsia Can Proceed via Ceramide-Mediated Necroptosis Liane Bailey (1), Isabella Caniggia (3)

**Disruption of JMJD6-mediated Histone Demethylation of VHL in Preeclampsia** Sruthi Alahari (7), Isabella Caniggia (3)

### An International Consensus Statement on Invasive Placentation Produced by a Modified Delphi Method

Cheyanne Reed (8), Alex Kiss (8), Arthur Zaltz (1), Elaine Herer (1), Rory Windrim (5), Gareth Seaward (1), John Kingdom (1), Lisa Allen (5), Daniela Carusi (2), John Kachura (9), Jeannie Callum (8), Stephen Halpern (8), George Saade (2), Amarnath Bhide (2), Jose Carvalho (5), Nir Melamed (8), Jon Barrett (8)

### Prolyl hydroxylase domain protein-2 (PHD2) disruption impairs HIF1A-TGFbeta3 axis in murine placenta

Julien Sallais (3), Isabella Caniggia (3)

### Morphology and Growth of the Uteroplacental Vasculature in Mice Demonstrates Hemodynamic Specialization During Pregnancy

Monique Rennie (6), Kathie Whiteley (3), Lee Adamson (1), John G. Sled (6)

### Decidua-driven Differentiation of Angiogenic Phenotype in Second Trimester Peripheral Blood Neutrophils from Healthy and Preeclamptic Women

Melissa Kwan (7), Caroline Dunk (3), Mark Kibschull (1), Hagai Amsalem (2), Rebecca Jones (2), Lynda Harris (2), Stephen Lye (3)

### Poster Group D - Placenta II

# Low-molecular weight heparin acutely modifies endothelial function in pregnant women at high-risk of developing preeclampsia

Kelsey McLaughlin (5), Dora Baczyk (3), Audrey Potts (3), Michelle Hladunewich (8), John Parker (5), John Kingdom (1)

**Dynamically Regulated Trophoblast Subpopulations Isolated from Early Human Placenta** Frances Wong (7), Brian Cox (7)

### Evaluating the Transplacental Transfer of Apixaban using a Dually Perfused Isolated Human Placental Lobule

Priya Bapat (2), Howard Berger (4), Gideon Koren (6), Shinya Ito (6)

### Non-Invasive In-Vivo Assessment of Placental Oxygen Transport Using MRI

Brahmdeep Saini (6), Meng Yuan Zhu (6), Sharon Portnoy (6), Prashob Porayette (6), Jessie Mei Lim (7), An Qi Duan (6), Rachel Wald (9), Christopher Macgowan (6), Rory Windrim (1), John Kingdom (1), Mike Seed (6)

### The Role of Acid Sphingomyelinase in Murine Placental Development

Isidora Rovic (7)

# Preeclampsia is Associated with Impaired Coordination between CD56+ Uterine NK and Foxp3+ Regulatory T Cells

Jianhong Zhang (3), Caroline Dunk (3), Stephen Lye (3)

### Poster Group E - Gynaecologic Oncology I

### Is Adjuvant Treatment Beneficial For Surgical Stage I Ovarian Clear Cell Carcinoma?

Liat Hogen (1), Marcus Bernardini (1), Dina Bassiouny (2), Al Covens (1), Lilian Gien (1), Barry Rosen (9), Lisa Le (9), Danielle Vicus (1)

### The Impact of Pre-Operative CT Imaging on the Management of Patients Diagnosed with High Grade Endometrial Cancer

Serina Dai (1), Samar Nahas (11), Taymaa May (1), Joan Murphy (1), Tomer Feigenberg (1)

### Differential Gene Expression in Cultured Fallopian Tube Epithelial Cells Associated with **BRCA1 or BRCA2 Mutation Status and Follicular Fluid Exposure**

Julia Hollingsworth (3), Angela Lau (7), Carl Virtanen (2), Alexandra Kollara (1), Lisa Allen (5), Terry Colgan (5), Valerie Dube (8), Barry Rosen (9), Joan Murphy (1), Ellen Greenblatt (1), Tomer Feigenberg (1), Alicia Tone (9), Theodore Brown (1)

### BRCA1 expression affects cell aggregation, adhesion, migration and glucocorticoid responses in a high-grade serous ovarian cancer cell line

Mariah Colussi (7), Alexandra Kollara (1), Vladimir Djedovic (1), Theodore Brown (1)

## Ventricular Zone Expressed Pleckstrin Homology Domain Homolog 1 (VEPH1)

Modulation of Androgen Signaling in Ovarian Cancer Cells.

Premalatha Shathasivam (1), Alexandra Kollara (1), Theodore Brown (1)



### Poster Group F - Gynaecologic Oncology II

Fertility-Sparing Surgery for the Management of Young Women with Embryonal Rhabdomyosarcoma of the Cervix: a Case Series

Genevieve Bouchard-Fortier (1), Raymond Kim (9), Blaise Clarke (9), Abha Gupta (9), Taymaa May (1)

# HPV Vaccination in Male Physicians: A pilot study of gynaecologists and otolaryngology surgeons' attitudes towards HPV vaccination

Michael Secter (1), Sarah Chauvin (1), Amanda Selk (5)

### Is it PRA or PRB Dominant? Prognostic Potential of Progesterone Receptor Positive Breast Tumours Justin Rondeau (7), Lubna Nadeem (3), Stephen Lye (3)

**The Influence of Physical Activity in the Progression of Ovarian Cancer in Mice** Rosanne McQuaid (7), Jacqueline Graham (7), Igor Jurisica (9), Andrea Jurisicova (3)

Value of 18F-FDG PET/CT in patients with recurrent gynaecologic malignancies prior to radical surgery Harry Brar (1), Taymaa May (1)

Poster Group G - Maternal Fetal Medicine I

**Does gestational diabetes affect fetal growth and pregnancy outcome in twin pregnancies?** Carly Tward (8), Jon Barrett (8), Howard Berger (4), Mia Kibel (8), Alex Pittini (8)

**Efficacy of rescue cerclage in twin pregnancies** Nimrah Abbasi (1), Nir Melamed (8), Jon Barret (8)

**Correlation of Estimated Fetal Weight with Neonatal Weight in Infants Born at Borderline Viability** Stephanie Hughes (1), Julie Nguyen (1), Jon Barrett (8), Noor Ladhani (1)

Suboptimal PN Vitamin D levels in early pregnancy predict a higher glucose response to OGCT challenge in 2nd trimester (between 24-28 weeks) Salma Bedair (4), Christine Derzko (1)

**Sonographic Factors Distinguishing Late Intrauterine Growth Restriction from Late Small for Gestational Age Fetuses** Alex Pittini (8), Jon Barrett (8), John Kingdom (1), Nir Melamed (8)

Poster Group H - Maternal Fetal Medicine II

Induction of labour versus caesarean section for twin pregnancy: A secondary analysis of the Twin Birth Study Elad Mei-dan (1), Nir Melamed (8), Elizabeth Asztalos (8), Andrew Willan (6), Jon Barrett (8)

# Differences in Umbilical Cord Gas Values in Neonates of Mothers with SCD in Comparison to Neonates of Non-Affected Mothers

Patrina Cheung (1), Nadine Shehata (5), Kellie Murphy (5), Ann Malinowski (1)



# Maternal and Neonatal Outcomes in Pregnancies Complicated by Bone and Soft-Tissue Tumors: A 10-Year Retrospective Cohort Study

Jacqueline Parrish (1), Hythem Al-Sum (1), Jay Wunder (2), Cynthia Maxwell (5)

### Preliminary Investigation of the Utility of MRI for Measuring the Hematocrit in Fetal Anemia

An Qi Duan (6), Johannes Keunen (1), Sharon Portnoy (6), Meng Yuan Zhu (6), Prashob Porayette (6), Christopher Macgowan (6), Mike Seed (6)

**De novo 2p14 microdeletion supports a novel microdeletion syndrome and narrows the critical region** Lih Yeen Tan (1), Kathryn Millar (5), Maian Roifman (5)

### Poster Group I - Reproductive Endocrinology + Infertility I

### **Is Endometrial Thickness on Transvaginal Ultrasound Associated with Pregnancy Outcome in Gonadotropin-Stimulated Intrauterine Insemination Cycles?** Yiwen Liu (5), Crystal Chan (1)

Functional Analysis Using Angiogenic Potency Assays Reveals Superior Angiogenic Potential of First Trimester Human Umbilical Cord Perivascular Cells

Farwah Iqbal (7), Peter Szaraz (7), Jun Wu (9), Andree Gauthier-Fisher (12), Ren Ke Li (9), Clifford Librach (1)

**Effect of Sperm DNA Fragmentation Index on the Human Embryo Aneuploidy Rate** Katelynn Tang (1), Itai Gat (1), Valeriy Kuznyetsov (2), Rina Abramov (2), Ran Antes (2), Sergey Moskovtsev (1), Clifford Librach (1)

**Evaluating diagnostic accuracy of transvaginal sonography & saline infusion sonohysterography in detecting uterine abnormalities in sub-fertile women** WanLi Zhou (1), Ekaterina Shlush (2), Clifford Librach (1), Prati Sharma (1)

Do women with polycystic ovarian syndrome and advanced reproductive age have a higher pregnancy rate than age matched controls using assisted reproduction

Leyla Eryuzlu (1), Ekaterina Shlush (1), Clifford Librach (1), Prati Sharma (1)

# Using next generation sequencing to phenotype CD90+VE human testicular cells expanded in two SSC culture conditions

Itai Gat (1), Leila Maghen (2), Melissa Filice (2), Keith Jarvi (5), Kirk Lo (5), Andree Gauthier-Fisher (12), Clifford Librach (1)



### Poster Group J - Stem Cell Biology

# Combined cell and gene therapy towards the treatment of age-related Macular Degeneration and Diabetic Retinopathy

Sabiha Hacibekiroglu (3), Iacovos Michael (3), Nikolaos Mitrousis (2), Peter Westenskow (2), Brian Ballios (2), Jingsheng Tuo (2), Chi-Chao Chan (2), Martin Friedlander (2), Derek van der Kooy (2), Molly Shoichet (2), Andras Nagy (1)

Identification And Targeting Of A Tightly-Controlled, Highly-Activatable, Doxycycline-Inducible Genomic Locus Qin Liang (3), Claudio Monetti (3), Peter Tonge (9), Iacovos Michael (2), Andras Nagy (1)

### Development of Mice with Personalized Immune Systems using Thymic Epithelial Progenitors Differentiated from iPSCs

Huijuan Yang (3), Ian Rogers (1), Andras Nagy (1)

# First trimester umbilical cord perivascular cells exhibit MMP mediated injury-induced invasion in vitro and superior in vivo tissue remodelling post m

Peter Szaraz (7), Alexandra Lucato (2), Farwah Iqbal (7), Matthew Librach (2), Shu-Hong Li (9), Andree Gauthier-Fisher (12), Ren Ke Li (9), Clifford Librach (1)

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

# Extracellular Vesicles Derived from First Trimester Umbilical Cord Perivascular Cells: A Potential Non-Cell Source for Regenerative Therapy

Kathryn Lye (2), Paula Mackie (1), Peter Szaraz (7), Shlomit Kenigsberg (2), Andree Gauthier-Fisher (12), Clifford Librach (1)



### Poster Group K - Gynaecology

Patients' Perspectives on Vaginal Mesh Use in Pelvic Reconstructive Surgery prior to and after Initial Medical Consultation Adrienne Li (1). Patricia Lee (8)

**Understanding Pre-operative Staging and Surgical Practice in Advanced Endometriosis** Andra Nica (1), Jamie Kroft (8), Amanda Selk (5), Grace Liu (1)

**Does Ulipristal Acetate objectively affect surgical experience at laparoscopic myomectomy?** Lea Luketic (1), Lindsay Shirreff (1), Sari Kives (4), Grace Liu (1), Ally Murji (5), Nicholas Leyland (2), Jonathon Solnik (5)

A retrospective look at the use and safety of tranexamic acid in an adolescent population Noor Zwayne (6), Sari Kives (4), Lisa Allen (5)

**Estrogen vs. Conservative Therapy for Labial Agglutination in Prepubertal Girls** Jasmine Multani (1), Sari Kives (4), Lisa Allen (1)

Local Estrogen Therapy Modifies Estracellular Matrix Proteins and Immune Response in Vaginal Tissue of Postmenopausal Women with Pelvic Organ Prolapse Tanya Tyagi (7), Yvonne Leong (1), May Alarab (5), Harold Drutz (1), Stephen Lye (3), Oksana Shynlova (3)

Poster Group L - Reproductive Endocrinology + Infertility II

**Differential Access to Fertility Services Among Immigrant Women in Toronto** Pavan Gill (1), Crystal Chan (1), Charlotte Axelrod (5), Michelle Shin (5), Heather Shapiro (1)

**Validation of an NGS Platform for the Assessment of Aneuploidy in IVF Embryos** Xu (Buddy) Bao (1), Simon Alfred (2), Andree Gauthier-Fisher (12)

Use of Lean Principles to Improve the Morning Monitoring Process at an Academic Fertility Clinic: Interim Results

Shannon Moore (1), Rebecca Arthur (1)

# Expression of Leukaemia Inhibitory Factor Receptor (LIFRa) in Human Luteinized Granulosa Cells is Associated with Ovarian Reserve

Prem Nichani (1), Shlomit Kenigsberg (2), Peter Szaraz (7), Tal Lazer (2), Jennifer Power (2), Andree Gauthier-Fisher (12), Clifford Librach (1)

### Umbilical Cord Perivascular Cells Maintain Mesenchymal Stromal Characteristics After Cyclophosphamide Rx. Promising Cell for Gonadotoxicity Prevention

Khaled Zohni (1), Melissa Felice (2), Peter Szaraz (7), Itai Gat (1), Andree Gauthier-Fisher (12), Clifford Librach (1)

### Poster Group M - Reproductive Endocrinology + Infertility III

**Multifetal reduction of triplets to twins compared to non-reduced twins: a meta-analysis.** Yaniv Zipori (1), Eran Barzilay (4), Jigal Haas (2), Howard Berger (4)

# A systematic review of studies on sperm telomere length (spTL) and male fertility demonstrates the impact of study design on final results

Pamela Kurjanowicz (7), Sergey Moskovtsev (1), Clifford Librach (1)

# Oocyte-specific Pdss2 deficiency leads to embryo developmental arrest and alterations in mitochondrial content and function

Kyunga Kim (7), Andrea Jurisicova (3)

A Novel Protocol for Isolating and Evaluating Intact Extracellular Vesicles from Seminal Fluid and other Protein-Rich, Viscous Biological Samples Justin Wang (2), Paula Mackie (1), Sergey Moskovtsev (1), Clifford Librach (1)

# The pregnancy rate in Fragile X Premutation Carriers with Primary Ovarian Insufficiency (POI) is similar to that of Non-carrier controls with POI

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Liubov Krichevsky (1), Lih Yeen Tan (1), Prati Sharma (1), Clifford Librach (1)

### Poster Group N - Labour

Outcomes of Pregnancies Complicated by Preterm Premature Rupture of Membranes Before 24 Weeks of Gestation Mia Kibel (8), Elizabeth Asztalos (8), Jon Barrett (8), Carly Tward (8), Alex Pittini (8), Nir Melamed (8)

**Transgenerational Epigenetic Programming in the Hippocampus By Antenatal Glucocorticoids** Vasilis Moisiadis (7), Andrea Constantinof (7), Stephen Matthews (7)

### Baseline Data of Shoulder Dystocia and Brachial Plexus Injury across Greater Toronto Area Hospitals prior to commencing a Simulation Training Program

Loralei De Guia (4), Michael Geary (1), Leanne De Souza (4), Tatiana Freire-Lizama (1), Sharon Adams (4), Howard Berger (4), Jon Barrett (8), Rory Windrim (5)



Cesarean delivery for failure to progress in nulliparae undergoing induction of labor: is the lenght of labor affected by maternal Body Mass Index?

Stefania Ronzoni (1), Hadar Rosen (1), Dan Farine (1), Cynthia Maxwell (5)

### Lipopolysaccharide-Induced Cytokines Produced by Human Myometrial Cells Are Altered by Probiotic Lactobacillus Rhamnosus GR-1 Supernatant

Bona Kim (7), Oksana Shynlova (3), Stephen Lye (3)

**Poster Group P - Obstetrics** 

**Reproductive Outcomes in Women with Bladder Exstrophy** Amanda Kung (8), Rose Kung (1)

### **Prevalence of Postpartum Anxiety and Depression in Women Who Unsuccessfully Breastfeed: A Pilot Study** Sarah Silverberg (5), Amanda Selk (5)

# Do we effectively prevent maternal to child transmission (MTCT) of HIV virus – a comprehensive systematic review of the literature

Gali Pariente (1), Alexandra Carls (6), Tom Leibson (6), Irena Nulman (6), Gideon Koren (6), Howard Berger (4), Shinya Ito (6)

### Episiotomy – a survey of technique, management and education in the GTA

Rebecca Menzies (1), Marian Leung (1), Nirmala Chandrasekaran (4), Andrea Lausman (4), Michael Geary (1)

# Comparative Characteristics of Myometrial and Decidual Chemokines Responsible for the Infiltration of Peripheral Leukocytes during Human Labour

Tali Farine (7), Caroline Dunk (3), Oksana Shynlova (3), Stephen Lye (3)



# **JW KNOX RITCHIE RESEARCH AWARDS**

We are pleased to announce the following winners of the 2016 JW Knox Ritchie Research Awards for best abstract/presentation by trainee category

### **CLINICAL FELLOW:**

Helena Frecker (Supervisor: Deborah Robertson)

Resident Perceptions of Obstetrics and Gynaecology Handover at the University of Toronto

### **POST-DOCTORAL FELLOW:**

### Monique Rennie (Supervisor: John G. Sled)

Morphology and Growth of the Uteroplacental Vasculature in Mice Demonstrates Hemodynamic Specialization During Pregnancy

### **RESIDENT:**

### Rebecca Rich (Supervisor: Kellie Murphy)

Selecting Performance Indicators for Maternity Care in a Circumpolar Context: A Modified Delphi Approach

### **GRADUATE STUDENT:**

### Vasilis Moisiadis (Supervisor: Stephen Matthews)

Transgenerational Epigenetic Programming in the Hippocampus By Antenatal Glucocorticoids

### MEDICAL/UNDERGRADUATE STUDENT:

Justin Wang (Supervisor: Clifford Librach)

A Novel Protocol for Isolating and Evaluating Intact Extracellular Vesicles from Seminal Fluid and other Protein-Rich, Viscous Biological Samples

### **PEOPLE'S CHOICE AWARD:**

### Sruthi Alahari (Supervisor: Isabella Caniggia)

Disruption of JMJD6-mediated Histone Demethylation of VHL in Preeclampsia

Additionally, we had 2 awards presented at Wayne State University Collaboration Day for best poster presentation and best oral presentation. The award winners were:

### **BEST ORAL PRESENTATION (UOFT):**

Alex Pittini (Supervisor: Nir Melamed)

Sonographic Factors Distinguishing Late Intrauterine Growth Restriction from Late Small for Gestational Age Fetuses

### **BEST POSTER PRESENTATION (UOFT):**

Theresa Chow (Supervisor: Ian Rogers)

Directed Differentiation of Human Induced Pluripotent Stem Cells to Renal Progenitors



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## **FACULTY PROFESSIONAL DEVELOPMENT DAY 2015**

The theme of the 2015 Faculty Professional Development Day was Enhancing Skills and Achieving Success. This event took place November 11, 2015 at Vaughan Estates and was attended by 87 faculty members. The program goal was to provide faculty members with the tools to achieve success in their chosen area of academic focus, whether it be teaching, research or in seeking promotion. Many faculty members are involved in varying degrees of teaching and/or research and some aspire to achieve promotion through these activities. The topics chosen for this year's faculty professional development day were designed to enhance the faculty member's knowledge, skills and attitudes in their chosen area of academic focus.

### The program objectives were to:

- 1. Optimize faculty members' teacher-learner interactions and outcomes through
  - a. Quality improvement
  - b. Simulation-based learning
  - c. Competency-based medical education
  - d. Faculty professionalism
- 2. Enhance chances of success at research publications
- 3. Enhance success when seeking promotion

### Lectures:

Dr. Joshua Tepper, family physician, and President and Chief Executive Officer of Health Quality Ontario, delivered the plenary lecture entitled "Driving the Flywheel of Quality." This lecture explored a common framework for thinking about quality, trends in quality improvement and broader system changes that are influencing the quality improvement. Dr. Tepper described the importance of data for quality improvement, research and performance reporting, and explored the role of failure in supporting quality improvement.

Dr. David McKnight, Professor and Education Vice-Chair of the department of Anesthesia, delivered the keynote lecture entitled "Professional Behaviour and the Learning Environment." This lecture addressed how our behaviours as faculty members affect the learning environment. Dr. McKnight discussed various professional behaviours in both clinical and teaching settings and outlined how the learning environment is created. Additionally, he highlighted the importance of having an approach to addressing times when professional behaviour falls short of expectations.

### Workshops:

Dr. Avrum Gotlieb provided the workshop "Preparing for a Successful Academic Evaluation and Senior Promotion." It included a discussion of the way in which the committee deliberates and how to best demonstrate the candidate's sustained excellence in teaching/education, research and/or creative professional activity.

Dr. Heather Shaprio provided the workshop entitled "The Resident in Difficulty," which was designed to describe common areas of weaknesses seen in residents, review the impact of professional difficulties on resident well-being, and to understand the administrative process and the roles of the board of examiners. Dr. Shapiro provided faculty members with the skills necessary to feel comfortable and competent when working with a resident in difficulty.

## FACULTY PROFESSIONAL DEVELOPMENT DAY 2015

Dr. Ted Brown and Dr. Kellie Murphy provided a session entitled "Publish or Perish: Moving from Abstracts to Papers." This workshop included a discussion on information pertaining to publishing research and improving ones chances of getting published. Barriers and strategies to publishing were also discussed in addition to selecting the appropriate journal for manuscript submission.

Dr. Nicolette Caccia and Dr. Filomena Meffe provided the workshop "Exploring the Benefits and Challenges of Competency Based Medical Education Implementation." Dr. Caccia and Dr. Meffe reviewed the results of the 2015 Departmental CBME Needs Assessment and examined the perceived benefits and challenges of CBME implementation.

Dr. Bruce Ballon and Dr. Tatiana Freire-Lizama provided the "Simulation Scenario Writing" workshop which included a discussion of designing effective and safe simulations. They identified core components of an interactive story and crucial scenario facilitation sections for simulation safety.

An awards ceremony followed these workshops where select faculty received Master Teacher Awards, Undergraduate Teaching Awards, and Chair's Awards.

Thank you to all those who participated! Also we need to extend a huge thank you to the Faculty Professional Development Committee including Filomena Meffe, Rory Windrim, Janet Bodley, Adrian Brown, Nicolette Caccia and Richard Pittini for their continued commitment and contributions to organizing this event. The event was a great success.
# GRADUATION CEREMONY & ALUMINI EVENT

# 2015-2016 GRADUATING CLASS

The Graduation Ceremony is one of our most significant and best-attended events! We gathered at the University of Toronto's Hart House to celebrate the successes of our newly-minted specialists in Obstetrics & Gynaecology together with their colleagues completing clinical fellowships in our subspecialties. They have all contributed substantially to patient care, education, their research, the field of obstetrics and gynaecology, and to the onward growth of our wonderfully rich and diverse Department. Our Clinical and Research Faculty take great pride in their achievements, and wish them well in their future careers.

Congratulations to our OBGYN Resident Graduating Class of 2016:

Nasser Abu Awad Emily Baker Jessica Green David Gurau Ummi Habiba Adrienne Li Chaula Mehta Rebecca Menzies Michael Secter Alison Shea Andrea Simpson John Snelgrove Liane Tan Julie Thorne



We hope that the graduates will continue to stay in touch with the Department as they embark upon a new chapter in their careers. We expect to see great things from them.

## **AWARDS**

Resident Award for Excellence in Clerkship Teaching (PGY3) Lesley Hawkins | Marian Leung

Resident Award for Excellence in Clerkship Teaching (PGY4) John Ibrahim

Resident Award for Excellence in Clerkship Teaching (PGY5) Ummi Habiba | Rebecca Menzies

**Dr. Frederick R. Papsin Postgraduate Award** Andrea Simpson (PGY5) | Michael Secter (PGY5)

American Association of Gynaecologic Laparoscopists (AAGL) Award Sari Kives

Dr. Sidney M. and Roselyn Tobin Compassionate Scholarship in Obstetrics & Gynaecology Julie Thorne

## Society for Maternal-Fetal Medicine Resident Award for Excellence in Obstetrics

John Snelgrove

## **FACULTY AWARDS**

**CREOG National Faculty Award for Excellence in Resident Education** Sari Kives

**Neelam Sierra Resident Advocacy Award** Donna Steele

Congratulations to the following Fellows who have completed subspecialty training in the following programs:

Advanced High Risk Obstetrics Yanov Zipori

Advanced Obstetrics Sunita Garg

Advanced Obstetrics Nirmala Chandrasekaran | Gharid Nourallah Bekdache

**Gynaecologic Reproductive Endocrinology** & Infertility\* Shannon Moore

**Gynaecologic Endoscopy** Paul Davies

**Gynaecologic Oncology\*** Genevieve Bouchard-Fortier | Kate Pulman

Maternal-Fetal Medicine\* Nimrah Abbassi | Nada Alayed | Hadar Baharav Rosen Julia Kfouri | Christopher Nash | Robin Thurman Mature Women's Health & Menopause Radomir Jarcevic

Minimally Invasive Gynaecologic Surgery Helena Frecker

Paediatric & Adolescent Gynaecology Noor Zwayne

Reproductive Sciences Nivin Samara | Nayana Talukdar

**Reproductive Sciences & Infertility** Ekaterina Shlush | Itai Gait

Urogynaecology & Reconstructive Pelvic Surgery Susan Jia

**Urogynaecology** Petrus Kruger



\* Royal College of Physicians and Surgeons of Canada accredited

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# Department of **Obstetrics** & Gynaecology

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# **2015-2016 DEPARTMENT AWARDS**

## **CHAIR'S AWARDS**

Sabrina Lee	Excellence in Undergraduate Teaching
Deborah Robertson	Excellence in Postgraduate Teaching
Haidar Mahmoud	Excellence in Integrated Undergraduate Education
Melissa Tai	Excellence in Integrated Postgraduate Education
Kimberley Liu	Excellence in Postgraduate Program Development/Innovation
Nir Melamed	Outstanding Research Potential
Howard Berger	Sustained Excellence in Research
Mark Yudin	Excellence in Research Facilitation
Suzanne Wong	Excellence in Continuing Medical Education Teaching
Jamie Kroft   Grace Liu	Excellence in Continuing Medical Education Course Coordination

## AWARDS FOR UNDERGRADUATE TEACHING EXCELLENCE

Kerry Myckan	Credit Valley Hospital
Peter Scheufler	Mississauga Hospital
Mara Sobel   Rohan D'Souza	Mount Sinai Hospital
Nicholas Shilletto	North York General Hospital
Nir Melamed	Sunnybrook Health Sciences Centre
Abheha Satkunaratnam	St. Michael's Hospital
Melanie Caetano	St. Joseph's Health Centre
Melanie Ornstein	Toronto East General Hospital
Jing Qin	The Scarborough Hospital

## MASTER TEACHER AWARD Melanie Ornstein

## **CARL NIMROD AWARD**

Donna Steele

MCARTHUR SCHOLAR AWARD

Sarah Ferguson

**DOUG CANNELL AWARD** Paul Bernstein **DR. MATTHEW MORTON AWARD** Dini Hui

# RESEARCH GRANTS AND INVESTIGATIONS



# **PEER-REVIEWED GRANTS**

*Over \$10,000* PI=Principal Investigator

Barrett JFR (PI), Feig D, Murphy H, Asztalos EV, Corcoy G, Donovan L, Hod M, Jovanovic L, Keely E, Kollman C, Kowalski A, Lou O, de Leiva A, McManus R, McMurray K, Murphy KE, Pragnell M, Ruedy K, Tomlinson G, Yogev Y. Continuous Glucose Monitoring in Women with Type 1 Diabetes in Pregnancy Trial (CONCEPTT) – SOW 1. Juvenile Diabetes Research Foundation Canada, Canadian Clinical Trials Network SOW. \$2,480,811. February 2012 – January 2018.

Barrett JFR (PI), Feig D, Murphy H, Asztalos EV, Corcoy G, Donovan L, Hod M, Jovanovic L, Keely E, Kollman C, Kowalski A, Lou O, de Leiva A, McManus R, McMurray K, Murphy KE, Pragnell M, Ruedy K, Tomlinson G, Yogev Y. Continuous Glucose Monitoring in Women with Type 1 Diabetes in Pregnancy Trial (CONCEPTT) – SOW 2. Juvenile Diabetes Research Foundation Canada, Canadian Clinical Trials Network. \$1,079,989. February 2012 – January 2018.

Barrett JFR (PI), Feig D, Murphy H, Asztalos EV, Corcoy G, Donovan L, Hod M, Jovanovic L, Keely E, Kollman C, Kowalski A, Lou O, de Leiva A, McManus R, McMurray K, Murphy KE, Pragnell M, Ruedy K, Tomlinson G, Yogev Y. CONCEPTT - International Studies. Juvenile Diabetes Research Foundation (JDRF) International Funded Research. \$3,465,742. August 2012 – July 2016.

Bassett A (PI), **Chitayat D**, **Keating S**, **Kingdom JC**, **Lye SJ**, **Silversides C**, Marshall C, Costain G, Bulman D, Chakraborty P. Genomic

screening as a window on the

developing fetus, newborn and beyond. University of Toronto McLaughlin Centre, 2015 Accelerator Grant in Genomic Medicine. \$97,500. May 2015- April 2016.

Baxter N, Kennedy E, Simmon C, Brezeden-Masley C, Hicks L, Gupta A, Nathan P, **Greenblatt E**, Yee S. Improving the quality of oncofertility decision-making for women at risk of infertility during cancer survivorship. Canadian Cancer Society. \$299,936. February 2014-March 2017.

**Berger H** (PI), David BM (co-PI), **Melamed N** (c0-PI). Non-communicable diseases in obstetrics: Improving quality of care and maternal-infant outcomes through an obstetrical research network. Canadian Institutes of Health Research (CIHR), Team Grant. \$1,500,000. October 2016-September 2021.

Berger H (PI), Melamed N (co-PI), Murray-Davis B (co-PI), Barrett JFR, Geary M, McDonald SD, Ray JC. Non-communicable Diseases in Obstetrics: Improving Quality of Care and Maternal-Infant Outcomes through an Obstetrical Research Network. Canadian Institutes of Health Research (CIHR), Team Grant: Clinician-Investigator Teams in Obstetrics & Maternal-Fetal Medicine. \$1,500,000. December 2015 – November 2020.

**Berger H** (Co-PI), **Feig D** (Co-PI), Lipscombe L (Co-PI) **Bocking AD**, Birken C, Maguire J, Halperin I, Mukerji G, Melamed N, Wolfs M. BBDC Diabetes in Pregnancy Cohort Study. Banting and Best Diabetes Centre (BBDC). \$247,208. April 2015- March 2017.

Bernardini MQQ (PI), Ferguson S, Rosen B, Murphy J, Laframboise S, May T, Dodge J, Kamel-Reid S, Stockley T, Oza A, Rodin G, Virtanen C, McCuaig J, Tone A. The Princess Margaret Cancer Centre Prevent Ovarian Cancer Program. The Princess Margaret Cancer Foundation. \$976,110. May 2015 – July 2017.

Berndl A (PI), Asztalos EV, Barrett JFR, Murphy KE, McDonald S, Kiss A. High Volume Foleys Increasing Vaginal Birth (High FIVe Birth) Pilot. Sunnybrook AFP Innovation Fund. \$99,428. April 2016-April 2018.

Booth M (PI), **Ray JG**, **Berger H**, Lebovic G, Maguire J, Mamdani M, Park A, Urquia M, Van Wagner V. Optimizing the timely initiation of aspirin prophylaxis in pregnancy based on risk factors in a prior and current pregnancy. A knowledge synthesis. Canadian Institutes of Health Research (CIHR), Knowledge Synthesis Grant. \$90,000. October 2014- September 2015.

### Brown T (Co-PI), Rosen B (Co-PI), Allen L, Bernardini MQQ, Colgan T, Ferguson S, Greenblatt E,

**Murphy KE**, Tone A, Virtanen C. Sustained ovulation-associated inflammatory signaling in fallopian tube epithelium as a predisposing factor of serous carcinoma. Canadian Institutes of Health Research (CIHR). \$400,000. September 2013 - August 2016.

Burchell A, Loutfy MR, **Yudin M**. Improving access for Papanicolaou testing for women with HIV through nursing scope optimization: a pilot project. Women's College Hospital, Innovation Funds Grant. \$30,000. 2015-2016.

**Casper RF**, Shapiro CM, Rahman S. Ameliorating affective disorder induced by circadian rhythm disruption. CIHR, Operating Grant. \$430,821. October 2010- March 2016.

#### **Casper RF** (PI), **Jurisicova A** (co-PI). Characterization of the bioenergetic and metabolic function of mitochondria isolated from oocyte precursor stem cells. Canadian Institutes of Health Research, Operating Grant -Industry-partnered Collaborative Research. \$911,711. April 2015-March 2020.

**Christoffersen-Deb A** (PI). Songok J. Ruhl L. Chamas for Change: Building Adult Capabilities to Safeguard Children's Developmental Potential through Mother-Child Clubs in Kenya. Grand Challenges Canada. \$250,000. 2015-2016.

**Christoffersen-Deb A** (PI), Songok J, Ruhl L, Elung'at J, Ochieng C. Chamas for Change: Validating an integrated community-based strategy of peer support in pregnancy and infancy. Grand Challenges Canada. \$250,000. 2016-2018.

Connelly PW (PI), Hanley AJ, Retnakaran RR, **Sermer M**, Zinman B. Postpartum Progression to Type 2 Diabetes in Women with Recent Glucose Intolerance in Pregnancy: Pathophysiology, Biomarkers and Clinical Implications. CIHR. \$685, 470. 2012-2017. Dalfen A (PI), Lawson A, **Murphy KE**. The use of text messaging to improve mental health screening in new mothers: A pilot study using mobile phone messaging services. Academic Hospital Science Centres (AHSC), Alternative Funding Program (AFP). \$152,371. April 2015 – March 2017.

Dosch HM (PI), Fraser WD, Lawson ML, Mahon JL, **Sermer M**, Taback SP. Trial to reduce IDDM in the Genetically at risk (TRIGR). NIH, CIHR. \$5,964,000. 2002-2016.

**Drutz H**, Leong Y. A randomized double-blinded trial comparing Fesoterodine to Desmopressin in the treatment of severe nocturia in women over the age of 65. (The Defend Trial). PSI. \$125,500. July 2015- December 2016.

**Derzko C** (PI), Jenkins D (Co PI): A Retrospective Chart Review to Assess the Effects of a High Soy Protein Dietary Consumption on Endometrial Thickness and Vaginal Maturation, Canada Research Chair Discretionary Funds \$80,000. April 2015 – March 2017

> Derzko C (PI), Lilge L (CoPI). Use of Optical Breast Spectroscopy in a short-term comparative evaluation of breast tissue changes in postmenopausal women after initiating one of three menopausal hormone therapies. Princess Margaret Hospital Foundation (The). Weekend Walkers Breast Cancer Innovation Fund (2010 - 2016)

Fehlings MG (PI), **Nagy A**. An examination of the therapeutic impact of human induced pluripotent stem cell-derived neural precursor cells in cervical spinal cord injury. Wings for Life Spinal Cord Research Foundation Grant. \$114,463. July 2014 – July 2016.

Feig D (PI), Armson BA, Asztalos EV, Fantus IG, Hamilton JK, Haqq AM, Lee SK, Lipscombe L, Murphy KE, Ohlsson A, Ryan EAJ, Tomlinson GA, Zinman B. MiTy Kids (Metformin in Women with Type 2 Diabetes in Pregnancy Kids Trial). Canadian Institutes of Health Research (CIHR), Clinical Trial. \$1,299,000. October 2012-September 2018.

Feig D (PI), Asztalos EV, Corcoy G, Donovan L, Hod M, Jovanovic L, Keely E, Kollman C, Kowalski A, Lou O, de Leiva A, McManus R, Murphy H, **Murphy KE**, Pragnell M, Ruedy K, Tomlinson G, Yogev Y. Continuous Glucose Monitoring in Women with Type 1 Diabetes in Pregnancy Trial (CONCEPTT). Juvenile Diabetes Research Foundation International and Juvenile Diabetes Research Foundation Canada. (CMICR: clinical and data coordinating centre). \$7,121,042. July 2012-June 2016.

Feig D (PI), Asztalos EV, Murphy KE, Tomlinson G, Zinnman B, Fantus IG, Ohlsson A, Armson A, Ryan EAJ. MiTy Metformin in Type II Diabetes Mellitus. Canadian Institutes of Health Research (CIHR), Clincal Trials. \$1,735,119. October 2010 – September 2015.

Fehlings M (PI), **Nagy A**, Morshead C, Shoichet M, Tator C, van der Kooy D. Repair and regeneration of the injured cervical spinal cord: An integrated translationally oriented team grant. Krembil Foundation Grant. \$1,500,000. May 2015 – May 2018.

**Ferguson S** (PI), Clarke B, Ohashi P, Butler M, **Brown T**, Tone A, Pugh T, **Vicus D**, Eiriksson L, McGill P. Targeting the immune microenvironment of microsatellite instable non-serous ovarian carcinoma. Canadian Cancer Society Research Institute (CCSRI), Innovation Grant. \$199,306. August 2016-July 2018.

**Ferguson S** (PI), Clarke B, Gallinger S, Holter S, Pollet A, **Vicus D**, Kwon J, Eiriksson L, Reade C, **Bernardini MQ**, **Oza A**, Gilks B, Dube V, Aronson M, Lerner-Ellis J, Pugh T, Tone A, Hart T. Maximizing Cancer Prevention through Universal Screening for Lynch Syndrome in Women with Endometrial and Non-Serous Ovarian Cancer. Canadian Cancer Society Research Institute (CCSRI), Prevention Grant. \$592,718. November 2015-October 2019.

**Ferguson S** (PI), Classen C (co-PI), Barbera L, Chivers M, Urowitz S, Wiljer D. An online support group for sexual distress due to gynaecologic cancer: A randomized study. Canadian Institutes of Health Research (CIHR). \$727,860. July 2012 - July 2016.

Fortier I (PI), Atkinson SA, **Bocking** AD, Ferretti V, Fraser WD, Anand SS, Barrett JFR, Boivin M, Bowen AN, Cote S, Dodds L, Jenkins JM, Knoppers BM, Kozyrskyj AL, Letourneau NL, Luo Z-C, Maguire JL, Meaney ML, Muhajarine N, Oberlander TF, Rosenberg AM, Smith GN, Subbarao P, Takser L, Tough SC, Wahi G, Wen SW. Research Advancement through Cohort Cataloguing and Harmonization (ReACH). Canadian Institutes of Health Research (CIHR), **Operating Grant: Canadian DOHaD** Cohort Registry. \$1,300,000. October 2015 – September 2020.

Fowler R (PI), Aoyama K, Hladunewich M, Lapinsky S, **Ray J**, Scales DC, Shah P, **Seaward G**. Regional and temporal variations in incidence, prevalence and outcomes of critical illness among pregnant and post-partum women and newborns in Canada. CIHR, Canadian Institute for Research. \$41,325. July 2015 – June 2016.

Fowler R (PI), Aoyama K, Hladunewich M, Lapinsky S, **Ray** J, Scales DC, Shah P, **Seaward** G. Regional and temporal variations in incidence, prevalence and outcomes of critical illness among pregnant and post-partum women and newborns in Canada. CIHR, Canadian Institute for Research. \$46,415. July 2015-June 2016.

Ganea P (PI), **Kingdom JC**, Shah P. Placental health predictors of cognitive outcomes in early childhood. J.P. Bickell Foundation. \$65,000. July 2015- June 2017.

Geary M (PI), Freire-Lizama T (Co-PI), Berger H, Adams S, Barrett J, Campbell D, Sgro M, Maguire J, Ray J, Ruiter J. The Role of Simulation training on Shoulder Dystocia management and its effects on the incidence of Brachial Plexus Injury. Academic Funding Program Innovation Funds. Total Amount: 20,856 CAD. 2015 Jul - 2016 Jun **Greenblatt E** (PI), Elliott J (Co-PI), Liu C. Non-invasive genomic analysis of human endometrial receptivity in women with polycystic ovarian syndrome. PSI. \$19,500. January 2016 – January 2017.

**Greenblatt E** (PI), **Liu K** (Co-PI), Laferriere N, Siren A, McMahon E. Expanding urgent oncofertility services for reproductive-aged women at Cancer Centers remote from a tertiary level ART Centre by Use of Telehealth and an on-sight nurse navigator. AFP innovation Fund Round 4. \$76,600. July 2015 – June 2017.

**Greenblatt E** (PI), **Brown T**, Neil W, **Chan C**. High-throughput genomic analysis of endometrial receptivity in natural and stimulated cycles using a non-invasive sampling method. Merck Serono Grant for Fertility Innovation. \$213,274. July 2012- June 2018.

Jaeggi ET (PI), Blom N, **Carvalho** J, Cuneo B, Kelly E, Mccrindle B, Moon-Grady A, Offringa M, **Ryan G**, Saul J. Fetal Atrial Flutter & Supraventricular Tachycardia (FAST) Therapy Trial: Proposal of an International Registry and Randomized Controlled Trial (RCT). Canadian Institutes of Health Research, Human Development, Child and Youth Health. \$611,000. July 2015 – June 2016.

Jumah NA. Addressing Transitions in Care: An Indigenousbased, Integrated Care Pathway for Opioid Dependence in Pregnancy in Northwestern Ontario. CIHR Embedded Clinician Scientist Salary Award. \$500,000. January 2017-December 2020.

Jumah NA, Richardson L, Wanakamimk Y, Armstrong T. Hearing Our Voices: An Indigenous Women's Reproductive Health Curriculum. Northern Ontario Academic Medical Association. \$50,000. April 2015- March 2017. Jumah NA. MR-HIFU for Uterine Fibroids Clinical Trial. PSI Foundation Graham Farquharson Knowledge Translation Fellowship. \$450,000. January 2014-December 2016.

Jumah NA, Kahan M, Bruni T, Bishop D. Northwestern Ontario Strategies for Opioid Dependence in Pregnancy. Northern Ontario Academic Medical Association. \$50,020. April 2014- March 2016.

**Jurisicova A** (PI). Acid sphingomyelinase - regulator of reproductive success. Natural Sciences and Engineering Research Council of Canada (NSERC). Operating. \$225,000. 2014-2019.

**Jurisicova A** (PI), Hao Z, Moley K. Mcl-1 as a regulator of ovarian reserve. Canadian Institutes of Health Research (CIHR), Operating grant. \$708,613. 2012-2017.

Kewayosh A, Rabeneck L, Tinmouth J, Baxter NN, Borkhoff CM, Deber RSB, Dorbrow M, Gesink D, Jackson SF, **Jumah NA**, Llovet DN, Lofter AK, Marrett LD, Mackinnon ML, Paszat LF. Improving cancer screening among First Nations and Métis. CIHR Partnerships for Health System Improvement Grant. \$562,491. July 2013- June 2017.

Khan S, Bitnun A, Kordy F, Loutfy M, MacGillivray J, **Yudin M**. Understanding issues and defining research priorities related to infant feeding in HIV. Canadian Foundation for AIDS Research (CANFAR). \$25,000. 2015-2016.

Kimmins S (PI), Lambrot R, Weiler H, **Librach C**, **Moskovtsev S**, Dodds L, Bale T, Fishman J, Bailey J, Trasler J, MacFarlane A, Didier R, Jainguo X, DeJager T, Aneck-Hahn N, Bornman R, MacIntyre U, Peters A, Benard D. Developmental Origins of Health and Disease -Implications for Men, Women, Boys and Girls. Canadian Institutes of Health Research (CIHR), Team Grant. \$1,600,000. June 2016-June 2021.

Kimmins S (PI), Lambrot R, Weiler H, Dott L, **Librach C**, **Moskovtsev S**. Obesity and nutritional programming of the paternal sperm epigenome: effects on offspring development and health. Canadian Institutes of Health Research (CIHR). \$1,077,100. August 2015- July 2020.

**Kingdom JC** (PI), **Cox BJ**. Villious Trophoblast Turnover. Canadian Institutes of Health Research (CIHR), Operating Grant. \$719,235. March 2014- February 2019.

## Kingdom JC (PI), Cox BJ.

Placental response to heparin: implications for the prevention of pre-eclampsia. Canadian Institutes of Health Research (CIHR), Operating Grant. \$521,660. October 2012- September 2016.

**Kingdom, JC** (PI). Elucidating heparin's role in reducing the incidence and effects of preeclampsia & offering a pathway to a better heparin product used specifically for preeclamptic women. The Alva Foundation, Research Fund. \$200,000. August 2015- August 2018.

Kislinger T (PI), Ailles L, **Bernardini MQQ**, Blaise C. A Novel Biomarker Discovery Strategy Combining Primary Tumour Xenograft Models and Glyco-Capture of Secreted Proteins. Canadian Institutes of Health Research (CIHR). \$480,264. May 2014 – April 2017.

Lambe EK (PI). Prefrontal attention circuitry: Mechanisms of deregulation and restoration in brain disorders CIHR Operating Grant. \$720,000. 2013 – 2018.

**Lambe EK** (PI). Canada Research Chair in Developmental Cortical Physiology. CIHR CanadaResearch Chairs. \$500,000. 2012 – 2018. **Lambe EK** (PI). Stress and serotonergic signal transduction. NSERC Discovery Grant. \$355,000. 2012 – 2017.

**Lambe EK** (PI). Neurobiology of psychiatric vulnerability. Early Researcher Award, Province of Ontario. \$150,000. 2011 – 2016.

Li M (PI), **Ferguson S**, Mckay H, Haibe-Kains B, Paige C, Rodin G. Cytokines and Symptom Clusters in Ovarian Cancer: A Machine Learning Approach to Identifying Intervention Targets. Ontario Cancer Institute, Collaborative Personalized Cancer Medicine Team Grant. \$\$299,758 CAD. July 2015 – June 2017.

Liston RM, Magee LA, Synnes AR (PIs), **Barrett JFR**, Allen VM, Ansermino JM, Audibert F, Brant RF, Bujold E, Crane JM, Demianczuk NN, Joseph KS, Piedboeuf B, Von Dadelszen P, Walker MC, **Whittle WL**, Wood SL (CoIs). MAG-CP. Magnesium sulphate for fetal neuroprotection of the preterm infant. Canadian Institutes of Health Research (CIHR), Operating Grant. \$615,426. October 2011 – September 2015.

Loutfy MR, Kaida AK, De Pokomandy A, Hogg RS, Anema A, Angel J, Baril J, Brophy J, Brotto L, Gahagan J, Hankins C, Kaushic C, Klein M, Leonard L, Lima V, Lloyd-Smith E, Miller C, Money DM, Ogilvie G, Palmer A, Pick N, Raboud J, Rachlis A, Roth E. Rouleau D. Rourke S. Tharao W, Tremblay C, Trottier B, Trottier S, Tsoukas C, Walmsley S, Yudin M. Canadian HIV Women and Reproductive Health Cohort Study, a Canadian Observational Cohort (CANOC) Affiliated Study. Canadian Institutes of Health Research (CIHR), Operating Grant. \$1,192,490. 2011-2016.

Loutfy MR, Becker M, Bourassa C, Bruce SG, Greene S, Kaida AK, de Pokomandy A, **Yudin M**. Canadian HIV women's sexual and reproductive health cohort study phase 2: addressing priorities in women-centred HIV care across the life course. Canadian Institutes of Health Research, Transitional Operating Grant. \$433,351. 2015-2020.

Lye SJ(PI), Adams Waldorf K, Bocking AD, Connor KL, DeSantis T, Dong X, Dunk C, Gingras A, Gravett M, Hood LE, Keating S, Kibschull M, Kingdom JC, Mesiano S, Nadeem L, Price N, Sadovsky Y, Scherer S, Shynlova O, Zhang J. Pregnancy complications and development health: mechanisms, diagnostics and therapeutics. Canadian Institutes of Health Research (CIHR), Foundation Scheme - Live Pilot. \$5,575,713. 2015 –2022.

Lye SJ (PI), Bocking AD, Connor KL, Maxwell C. Host-microbe Genomic Approaches to Understanding Obesity and Diabetes In Pregnancy. McLaughlin Centre (University of Toronto), Accelerator Grant. \$65,000. May 2015- April 2016.

**Lye SJ** (PI), Adams K, Gravett M, **Shynlova O**. Targeting leukocyte activation to prevent preterm labor. Burroughs Wellcome Fund Preterm Birth Initiative, Operating grant. \$600,000. July 2014- June 2018.

Lye SJ (PI), Bocking AD, Kim S, Shynlova O. Prevention of Preterm Birth: Targeting Inflammatory Pathways. March of Dimes Birth Defects Foundation (MOD), Operating grant. \$300,000US. March 2014- February 2017. Lye SJ (PI), Shynlova O. Control of Myometrial Contractile Activity during Pregnancy. Canadian Institutes of Health Research (CIHR), Operating Grant. \$912,320. September 2010 – August 2015.

Maheu C, Lebel S (CoPIs), Courbasson C, Singh M, Catton P, Bernstein L, Benea A, Jolicoeur L, Lefebvre M, Harris C, Agnihotram R, Sidanie S, **Ferguson S**, Muraca L. Efficacy of a cognitive-existential intervention to address fear of recurrence in women with cancer: a randomized controlled clinical trial. Canadian Cancer Society Research Institute (CCSRI). \$300,000. February 2014-February 2017.

Mackay H (PI), **Vicus D,** Davids A, Cesari M. A novel 3D model for predicting treatment response in women with hormone responsive gynaecological cancers- a pilot study. 2015 Allan E. Tiffin trust Award collaboration. \$40,000. January 2016 – December 2016. Magee L(PI), Chanoine JP, Robinson W, Devin A, von Dadelszen P. Gafni A. Hutton E, Cote AM, Lee S, Gruslin A, **Asztalos EV**, Koren G, **Murphy KE**, Helewa M, Moutquin JM, Rey E, Roseboom T. CHIPS Control of Hypertension in Pregnancy Study Trial - Child. Canadian Institutes of Health Research (CIHR), Clinical Trials. \$1,164,677. October 2011-September 2015.

McDonald SD, Giglia LG, Beyene B, Maxwell C. Synthesizing the Best evidence for weight gain during pregnancy in obese women: were the national guidelines excessive? Canadian Institutes of Health Research (CIHR), \$100,000 . 2015 Jul - 2016 Jun

McDonald SD, Giglia LG, Thabane L, **Maxwell C**. A Clinical Care Pathway for Obese Pregnant Women: A Pilt Cluster Randomized Control Trial in Obstetrics Midwifery and Family Medicine Clinics. Hamilton Academic Health Sciences Organization. \$188,631. April 2015- March 2017.

McDonald SD, Mundle WR, **Barrett JFR**, Beyene J, Biringer A, Cook JL, Dodd JM, Giglia LG, Gulmezoglu M, Sabatino L, Shah P. Efficacy and safety of preventions for preterm birth: A systematic review and network meta-analysis. Knowledge Synthesis Grant. \$100,000. January 2016-December 2016.

MacGowan CK (PI), **Kingdom JC**, **Seed MT**, Sled JG. Dynamic 3D MRI of the fetus: a new method for detecting abnormal blood flow and oxygenation during pregnancy. Canadian Institutes of Health Research (CIHR), Program Grant. \$542,795. March 2016- February 2021.

Macgowan C, **Seed MT**, Sled J, **Keunen J**. A new method for non-invasive measurement of oxygen transport in the fetus development and validation in a fetal pig model – Labatt Heart Centre. \$25,000. June 2015 – June 2016.

Maguire J (PI), **Berger H, Sgro M**, **Bocking AD**, Persaud N, **Ray JG**. Improving the cardiometabolic health of mothers and young children. Academic Funding Program Innovation Funds. \$ 41,603. April 2014- April 2016.

#### Money DM, Bocking AD,

Hemmingsen SM, Hill JE, Reid G, Dumonceaux T, Gloor G, Links M, O'Doherty K, Tang P, van Schalkwyk J, **Yudin M**. The vaginal microbiome project team. Canadian Institutes of Health Research (CIHR), Emerging Team Grant: Canadian Microbiome Initiative. \$349,068. 2010-2015.

Money D (PI), **Bocking AD**, Hemmingsen SM, Hill JE, Reid G, Dumonceaux T, Gloor G, Links M, O'Doherty K, Tang P, van Schalkwyk J, **Yudin M**. The Vaginal Microbiome Project Team. CIHR. \$1,745,340. September 2010-August 2015.

Miller S(PI), **Seed MT**, Blaser S, Brant R, Chau V, Hickey E, **Kingdom JC**, Ly L, Macgowan C, Schwartz S, Sled J. Cardiovascular physiology and brain development in newborns with congenital heart disease. Canadian Institute of Health Research (CIHR), Operating Grant. \$1,008,289. March 2015-February 2021.

**Murphy KE**, Walmsley S, Serghides L, Raboud J, Silverman M, Loutfy MR, **Yudin M**. The ProSPAR study: progesterone supplementation for HIV-positive pregnant women on antiretrovirals. Canadian Foundation for AIDS Research (CANFAR). \$131,808.88. 2014-2016.

Murphy KE (PI), Raboud J, Serghides L, Silverman M, Yudin M, Loutfy M, Walmsley S, Papp E. The ProSPAR Study: Progesterone Supplementation for HIV Positive Pregnant Women on Antiretrovirals. Canadian Foundation for AIDS Research (The) (CANFAR). \$ 80,000. July 2014- June 2017.

## Nagy A (PI), Rogers IM,

Rossant J, Woodgett J, Wrana J, Zandstra P. Molecular pathways of reprogramming - from discovery to novel therapeutics Ontario Research Fund - Global Leadership in Genomics and Life Sciences. \$1,043,974. April 2010 – April 2016.

## Nagy A (PI), Rossant

J, Wrana J, **Rogers IM**, Zandstra P, Woodgett J. Characterization of cell reprogramming mechanisms. Ontario Ministry of Research and Innovation, Global Leadership Round in Genomics & Life Sciences. \$10,000,000. July 2009- March 2016.

**Nagy A** (PI), Tremblay J, Ellis J. Directing cellular identity to move towards progenitor cell therapies. Canada-Japan, Canadian Epigenetics, Environment and Health Research Consortium (CEEHRC) Teams in Epigenetics of Stem Cells. \$162,587. April 2013 – March 2018.

Nagy A (PI). Somatic Cell Reprogramming and Therapeutics. Canadian Institute of Health Research, Foundation Scheme Grant. \$2,616,628. July 2015 – June 2021.

Nagy A (PI), Hacibekiroglu S. Combined cell and gene therapy towards the treatment of age-related macular degeneration. Foundation Fighting Blindness, Operating Grant. \$225,000. July 2015 – July 2018. cells for transplantation. Canada First Research Excellence Fund, Medicine by Design, University of Toronto. \$201,652. September 2015 – September 2016.

**Nagy A** (PI). ObD-X1: Testing the efficacy of "designer cells" construct in decellularized lung scaffolds. Canada First Research Excellence Fund, Medicine by Design, University of Toronto. \$40,000. September 2015 – September 2016.

Nagy A (PI). IE-Z1: Genetic modification of pluripotent stem cells that renders them immune privileged in an allogeneic setting. Canada First Research Excellence Fund, Medicine by Design, University of Toronto. \$75,000. September 2015 – September 2016.

> Nagy A (PI). AMR-X5: Generation of iPSC line. Canada First Research Excellence Fund, Medicine by Design, University of Toronto. \$25,000. September 2015 – September 2016.

Nagy A (PI). Tier 1 - Canada Research Chair in Stem Cells and Regeneration. Government of Canada. \$1,400,000. October 2014 - October 2021.

Narod SA, Casper RF, Kotsopoulos J, Wheeler AR. The physiological impact of postmenopausal oophorectomy on hormone levels in women with BRCA1 mutation. CIHR – NSERC. \$412,769. April 2012- March 2016.

Plante M (PI), **Ferguson S**, Kwon J, Brotto L, Fyles T, Meyer R, Craighead P, Gavin S, Arseneau J, Atri M. The SHAPE trial: Simple Hysterectomy And Pelvic node dissection in Early cervix cancer. Canadian

**Nagy A** (PI). Local ON/OFF control of immune tolerance toward allograft cell transplants. Ontario Institute of Regenerative Medicine (OIRM) New Ideas Grant. \$50,000. December 2015 – June 2016.

**Nagy A** (PI). CbD-T1: Development and testing of fail-safe and immunologically tolerated Institutes of Health Research (CIHR). \$2,200,000. September 2012-August 2020.

**Ray JG** (PI), **Berger H**, **Blake JM**, **Geary M**, **Kingdom JC**, Maguire JL, Meloche J, Morgen EK, Naugler C, Park AL, Urquia ML, Van Wagner V. Using novel population-based datasets to produce and implement clinical prediction models for preterm preeclampsia, stillbirth, maternal ICU and long-term cardiovascular disease among Canadian women. Canadian Institutes of Health Research (CIHR), Poject Grant. \$336,380. March 2016- February 2020.

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# Gynaecology

Postg LECTURES VISITING D ROFESSORSHIP 2 D

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address fear of recurrence in women with cancer. American Psychosocial Oncology Society. Washington, DC, USA, July 2015.

Lye SJ. Preterm Birth. Swedish Society of Medicine, Berzelius Symposia. Stockholm, Sweden, 19-21 August 2015.

**Lye SJ**. Mechanisms of Labour Onset: The Role of Progesterone Signalling and the Maternal Immune System. NIH/NIEHS – Reproductive Developmental Biology Laboratory Seminar Series. Research Triangle Park, NC, USA, 5 February 2016.

**Lye SJ**. Maternal Immune System and Preterm Birth: Mechanisms, Diagnostics and Therapeutics. NIH/NIEHS – Reproductive Developmental Biology Laboratory Seminar Series. Research Triangle Park, NC, USA, 6 February 2016.

**Murji A**. Individualizing Medical Management of Perimenopausal Bleeding - What Works? What Doesn't. 2015 North Americal Menopuase Society (NAMS) Scientific Program. Las Vegas, NV, USA, October 2015.

**Murji A**. Fibroids in Perimenopause. 2015 North Americal Menopuase Society (NAMS) Scientific Program. Las Vegas, NV, USA, 2 October 2015.

**Murphy KE**. Antenatal Corticosteroids: Where we have been and where we are going. International Conference for Evidence Based Neonatology, The Children's Hospital of Philadephia. Philadephia, PA, USA, September 2015.

**Nagy A**. Addressing cell therapy safety with genome editing. Australian Regenerative Medicine Institute (ARMI), Monash University, 18 May 2016.

**Nagy A**. Epigenome dynamics during reprogramming to pluripotency. European Molecular Biology Organization (EMBO) Nuclear Structure and Dynamics Conference. Isle sur Sorgue, France, 7-11 October 2015.

**Nagy A**. Pluripotency in the Artificial Cell Space. 3rd International Annual Conference of the German Stem Cell Network (GSCN), Goethe University. Frankfurt, Germany, 11 September 2015.

**Nagy A**. Pluripotency in the Artificial Cell Space. Center for Vertebrate Genomics Retreat, Cornell University. Ithaca, NY, USA, 10 July 2015.

**Nagy A**. Pluripotency in the Artificial Cell Space. Molecules of Life, FEBS3+ Meeting. Portorož, Slovenia, 17 September 2015.

**Nagy A**. Reprogramming Leads to Multiple States of Pluripotency in the Artificial Cell Space. 3rd Nuclear Reprogramming and the Cancer Genome conference. La Jolla, California, 21-23 February 2016.

**Nagy A**. Reprogramming Leads to Multiple States of Pluripotency in the Artificial Cell Space. Albert Szent-Györgyi Lecture Budapesten, Eötvös Loránd University.Budapest, Hungary, 13 April 2016.

**Nagy A**. Reprogramming Leads to Multiple States of Pluripotency in the Artificial Cell Space. CNIO Distinguished Seminar Series. Madrid, Spain, 15 April 2016.

**Nagy A**. Reprogramming Leads to Multiple States of Pluripotency in the Artificial Cell Space. Stem Cell Lecture, Wollenberger Seminar Series, Max-Delbrück-Center for Molecular Medicine Seminar. Berlin, Germany, 18 March 2016.

**Nagy A**. Reprogramming of somatic cells into iPSCs. EUCOMMTOOLS Farewell Meeting, Symposium: New technologies in the field of somatic reprogramming and genome engineering. Schloss Hohenkammer, Germany, 4 September 2015.

Nagy A. Stem cells "R" us. Children's Medical Research Institute. Sydney, Australia, 27 May 2016.

Nagy A. Stem cells "R" us. Honorary Doctors' Symposium, University of Helsinki. Helsinki, Findland, 10 June 2016.



**Nagy A**. The Bright and The Dark Sides Of Reprogramming To Pluripotency. 1st International Cell Death Research Congress Turkey, (2nd Congress of Cell Death Research Society – Turkey). Izmuir, Turkey, 4-7 May 2016.

**Nagy A**. The road to translation. Stem Cells Australia Annual General Meeting. Weribee Park, Melbourne, Australia, 11-13 May 2016.

**Nagy A**. The routes of reprogramming to alternative states of pluripotency. Stem Cells Australia (SCA) and Australia Society for Stem Cell Research (ASSCR) joint Annual Conference - Stem Cells in the Hunter Valley. Hunter Valley, Australia, 9 November 2015.

**Nagy A**. The routes of reprogramming to alternative states of pluripotency. The European Molecular Biology Laboratory (EMBL) Structural & Computational Biology Unit Seminar. Heidelberg, Germany, 6 October 2015.

**Nagy A**. Utilizing transposon-delivered transgenes for understanding reprogramming. 13th Transgenic Technology Meeting. Prague, Czech Republic, 20 March 2016.

**Nagy A**. Utilizing transposon-delivered transgenes for understanding reprogramming. Transposon and Genome Editing (TGE) Meeting. Nara, Japan, 18 November 2015.

**Rogers IM**. Trogocytosis: Does it affect engraftment after allogeneic transplantation? American Society for Blood and Marrow Transplantation (ASBMT). Corporate Council Meeting. Miami Beach, FL, USA, 19 October 2015.

**Rogers IM**, **Selk A**. New Clinical Terminology for the Vulva. Christian Medical College. Asia Oceana Organization on Genital Infections & Neoplasia India 2015 Conference- (AOGIN 2015). Vellore, Tamil Nadu, India, 29 August 2015.

**Ryan G**. Management of monoamniotic twins. 15th World Congress in Fetal Medicine. Mallorca, Spain, 27 June 2016.

**Ryan G**. TTTS with short cervix: expectant management. 15th World Congress in Fetal Medicine. Mallorca, Spain, 26 June 2016.

Ryan G. SCT: minimally invasive surgery. 15th World Congress in Fetal Medicine. Mallorca, Spain, 26 June 2016.

**Ryan G**. Management of lower urinary tract obstruction (LUTO) Discussant. 15th World Congress in Fetal Medicine. Mallorca, Spain, 26 June 2016.

**Ryan G**. Fetal thoracic lesions – diagnosis and management. 36th Annual SMFM Pregnancy Meeting. Atlanta, GA, USA, 1-6 February 2016.

**Ryan G**. Fetal urinary tract complications. 36th Annual SMFM Pregnancy Meeting. Atlanta, GA, USA, 1-6 February 2016.

**Ryan G**. Embryologic Basis of Fetal Anomalies, Diagnosis and Management. 36th Annual SMFM Pregnancy Meeting. Atlanta, GA, USA, 1-6 February 2016.

**Ryan G**. Embryology, Diagnosis and Management of Urinary Tract Abnormalities. 36th Annual SMFM Pregnancy Meeting. Atlanta, GA, USA, 1-6 February 2016.

**Ryan G**. Shunts, scopes and scalpels: when should we offer invasive fetal therapy? The Mercy Global Obstetrics Update. Melbourne, Australia, 20 November 2015.

**Ryan G**. Fetal Therapy, Panel discussion. The Mercy Global Obstetrics Update. Melbourne, Australia, 20 November 2015.

**Ryan G**. Decision making in the grey zone! How do the experts deal with obstetric dilemmas? The Mercy Global Obstetrics Update. Melbourne, Australia, 20 November 2015.
**Ryan G**. Monochorionic twins - complications of the shared placenta (IUGR, TOPS and TAPS). The Mercy Global Obstetrics Update. Melbourne, Australia, 19 November 2015.

**Ryan G**, **Windrim R**, Roland JA. Fetoscopy day long workshop: Where and how, Seldinger and direct entry. Fetoscopic laser of anastomoses, simulator model. US guided bipolar forceps cord coagulation. Tracheal balloon insertion. Tracheal balloon removal. The 19th International Conference on Prenatal Diagnosis and Therapy Sponsored by NAFTNet. Washington, DC, USA, 13 July 2015.

**Sermer M**. The Approach to Robust Heart Disease in Pregnancy. The 4th International Congress on Cardiac Problems in Pregnancy (CPP2016). Las Vegas, NV, USA, February 2016.

**Sermer M**. Management During Pregnancy: Labour and Delivery. The 4th International Congress on Cardiac Problems in Pregnancy (CPP2016). Las Vegas, NV, USA, February 2016.

**Seaward G**. The Canadian Programme - Quality care in the delivery room. Society for Obstetricians and Gynaecologists of Canada (SOGC), Salus Global – MoreOB. Reims, France, June 2016.

**Seaward G**. More OB - The Canadian Approach - More OB: Taking care of life. The South African Society of Obstetricians and Gynaecologists - SASOG 2016. Sun City, Pilanesberg, South Africa, May 2016.

**Seaward G**. More OB/ QIPS - The design and Implementation of an Obstetric Patient. The South African Society of Obstetricians and Gynaecologists - SASOG 2016. Sun City, Pilanesberg, South Africa, May 2016.

**Seaward G**. More OB/ QIPS - The Impact of an Obstetric Patient Safety Program on improving patient outcomes and reducing litigation. The South African Society of Obstetricians and Gynaecologists - SASOG 2016. Sun City, Pilanesberg, South Africa, May 2016.

**Steinberg W**. Women's Health Update in Medicine: CME Seacourses. Eastern Caribbean, 27 December 2015 – 2 January 2016.

**Ternamian A**. Risk Management in Peritoneal Entry. European Society for Gynaecological Endoscopy Annual Congress. Budapest, Hungary, October 2015.

Tithecott G, **Pittini R**, Eckhert L. Assessment in clinical clerkships. Alfaisal University, Saudi International Medical Education Conference 2016. Riyadh, Ar Riyā, Saudi Arabia, 10 April 2016.

**Yudin MH**. Cytomegalovirus (CMV) preventions and therapies. International Society of Ultrasound in Obstetrics and Gynaecology (ISUOG) 25th World Congress. Montreal, QC, Canada, 13 October 2015.



## NATIONAL

**Bocking AD**. The Microbiome and Perinatal Health: Fact or Fantasy. HH Allen Clinical Education Day. London, ON, Canada, 25 September 2015.

**Casper RF**. Autologous mitochondrial injection to improve oocyte and embryo quality. CME Lectures. Halifax, NS, Canada, 1 October 2015.

**Casper RF**. Pitfalls of PGS. Canadian Fertility and Andrology Society, Annual Meeting. Halifax, NS, Canada, 2 October 2015.

**Casper RF**. Present and future uses of cord blood stem cells. Moncton Hospital, OB/GYN Grand Rounds. Fredericton, NB, Canada, 13 April 2016.

**Derzko CM**. Update on Menopause and Menopausal Hormone Therapy: Benefits & Risks Canadian Endocrine Update. Day In Endocrinology For Primary Care Providers McMaster University. Hamilton, ON, Canada, 8 April 2016.

**Farine D**. FIGO Guidelines on PPH. XXI FIGO World Congress of Obstetrics and Gynaecology. Vancouver, BC, Canada, 5 October 2015.

**Ferguson S**. Gynaecologic Cancer in Women with Lynch syndrome: Screening and Prevention. McMaster University Greg O'Connell Lectureship, Department of Obstetrics and Gynaecology. Hamilton, ON, Canada, 2 February 2016.

**Ferguson S**. Role of Sentinel lymph node biopsy in Gynaecologic Cancer. McMaster University Greg O'Connell Lectureship, Department of Obstetrics and Gynaecology. Hamilton, ON, Canada, 2 February 2016.

**Ferguson S**. Universal Screen for Lynch Syndrome in Women with Newly Diagnosed Endometrial Cancer. McMaster University Greg O'Connell Lectureship, Department of Obstetrics and Gynaecology. Hamilton, ON, Canada, 3 February 2016.

**Freire-Lizama T**. A Canadian Postgraduate Curriculum for Global Women's Health - Concurrent Session. XXI FIGO World Congress. Vancouver, BC, Canada, 7 October 2015.

Jumah NA. Integrated Care Pathway for Substance Using Pregnant Women. Thunder Bay Regional Research Institute Research and Innovation Week. Thunder Bay, ON, Canada,13 March 2016.

Jurisicova A. Do mitochondria drive molecular defects in aging oocytes? Queen's University. Kingston, ON, Canada, September 2015.

Jurisicova A. Eggcentric Mysteries. Annual LTRI Retreat. Orillia, ON, Canada, May 2016.

**Kingdom JC**. How important is the evaluation of the placenta? Placental morphology using ultrasound. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 13 October 2015.

Kotaska A. Beyond the Cervix. Society of Rural Physicians of Canada. 23rd Rural and Remote Conference. Montreal, QC, Canada, 9-11 April 2015.

Kotaska A. Cesarean Section Tips for GP-Surgeons. Society of Rural Physicians of Canada. 23rd Rural and Remote Conference. Montreal, QC, Canada, 9-11 April 2015.

**Kotaska A**. Informed Consent & Refusal. University of Ottawa. Educational half-day for Consultant Obstetricians, Midwives, Family Physicians, and Obstetrical Nurses. Ottawa, ON, Canada, 6 November 2015.

Kotaska A. Practical Modern Breech Delivery. University of Ottawa. Educational half-day for Consultant Obstetricians, Midwives, Family Physicians, and Obstetrical Nurses. Ottawa, ON, Canada, 6 November 2015.

**Kotaska A**. Workshops: Misoprostol in Obstetrics; Beyond the Cervix: Office Gyne Pearls; Two-step delivery and shoulder dystocia: head-to-body interval is less important than we think. Society of Rural Physicians of Canada. 24th Rural and Remote Conference. Charlevoix PQ, 5-7 May 2016.

Greenblatt E. Fertility Preservation: The Toronto Experience. Montreal, QC, Canada, 4 December 2015.

**Greenblatt E**. Paediatric & adolescent gynaecology – Fertility Preservation. SOGC Meeting. Toronto, ON, Canada, 3 December 2015.

**Greenblatt E**. Should In Vitro Fertilization be publicly funded? CBC Media talk show Marnoon. Halifax, NS, Canada, 2 October 2015.

Liu K, Tallon N. Thyroid and Reproductive Health. Society of Obstetricians and Gynaecologists of Canada Annual Clinical and Scientific Conference (ACSC). Vancouver, BC, Canada, 15 June 2016.

**Lye SJ**. The Initiation of Labour – New Understanding from an Old Hormone. Geoffrey Dawes Lecture, 42nd Meeting of the Fetal and Neonatal Physiological Society. Vancouver, BC, Canada, 9-12 August 2015.

Maxwell C. Obesity Mom and Baby. Canadian Obesity Network. Toronto, ON, Canada, 6 October 2015.

**Murji A**. Fibroid Management in Midlife. SIGMA, Canada. 2nd National Menopause Conference. Toronto, ON, Canada, 3 September 2015.

**Murji A**. Laparoscopic Suturing Course. Society of Obstetricians and Gynaecologists of Canada - 72nd Annual Clinical and Scientific Conference. Vancouver, BC, Canada, 14-17 June 2016.

**Rogers IM**. Advanced cell based therapies using umbilical cord blood and tissue cells. Cumming School of Medicine, Department of Obstetrics and Gynaecology, University of Calgary. Calgary, AB, Canada, November 2015.

**Rogers IM**. Advanced cell based therapies using umbilical cord blood and tissue cells. Grand Rounds, Ottawa Hospital, Ottawa, ON, Canada, 7 October 2015.

**Rogers IM**. Advanced cell based therapies using umbilical cord blood and tissue cells. Surrey Hospital, Department of Obstetrics and Gynaecology. Surrey, BC, Canada, 29 October 2015.

**Rogers IM**. Umbilical cord blood and tissue cells, banking and stem cell therapies. Obstetrics and Gynaecology Group, Guelph, ON, Canada, 7 April 2016.

**Rogers IM**. Using stem cells and acellular organs to develop stem cell based therapies. Department of Cellular and Molecular Medicine, University of Ottawa. Ottawa, ON, Canada, 2 February 2016.

**Rogers IM**. Utilisation des cellules du sang et du tissu de cordon ombilical dans le cadre des thérapies évoluées de cellules souches. Gatineau Hospital & Montfort Hospital Ottawa/Hull/Gatineau, Ottawa/Hull/Gatineau, Quebec, Canada. 5 May 2016.

**Rogers IM**. Utilisation des cellules du sang et du tissu de cordon ombilical dans le cadre des thérapies évoluées de cellules souches. Legardeur Hospital, Terrebonne, Quebec, Canada, 15 April 2016.

**Rogers IM**. Utilisation des cellules du sang et du tissu de cordon ombilical dans le cadre des thérapies évoluées de cellules souches. Hôpital du Sacré Coeur, Montreal, Quebec, Canada, 31 March 2016.

**Ryan G**. Complicated monochorionic multiples'. SOGC Annual Clinical Conference. Vancouver, BC, Canada, 15 June 2016.



Ryan G. Fetal interventions in twins. ISUOG 2015. Montreal, QC, Canada, 13 October 2015.

**Selk A**, Bentley J. Colposcopy Cases. Society of Obstetricians and Gynaecologists of Canada (SOGC) Annual Meeting, Vancouver, BC, Canada, 15 June 2016.

**Selk A**, Sadownik L. Vulvology 101: A Practical Approach To The Vulvar Rash. Society of Obstetricians and Gynaecologists of Canada (SOGC) Annual Meeting. Vancouver, BC, Canada, 15 June 2016.

**Sermer M**. Clinical Challenges of Pregnancy. CHEST 2015, American College of Chest Physicians. Montreal, QC, Canada, October 2015.

**Sermer M**. Modern Peripartum Obstetrical Management of Patients with Heart Disease. XXI FIGO World Congress of Gynaecology and Obstetrics. Vancouver, BC, Canada, October 2015.

**Sermer M**. Modern Management of the Pregnant Cardiac Patient. 52nd Annual Andre Aisenstadt Memorial Clinical Day. Montreal, QC, Canada, October 2015.

**Shore EM**. Laparoscopic Suturing and Knot Tying. Society of Obstetricians and Gynaecologists of Canada. Vancouver, BC, Canada, 14 June 2016.

**Spitzer RF**, **Freire-Lizama T**, Scott HM, Kent N. A Global Women's Health Curriculum for Post Graduate Trainees in Obstetrics and Gynaecology: A Canadian Perspective. International Federation of Obstetrics and Gynaecology (FIGO). Vancouver, BC, Canada, 7 October 2015.

Steinberg W. HPV Update in Adult Women & Communication Concepts. Guelph, ON, Canada, 25 November 2015.

**Steinberg W**. HPV Update in Adult Women & Communication Concepts. Mississauga, ON, Canada, 8 September 2015.

**Ternamian A**. Peritoneal Entry-Canadian Clinical Practice Guidelines. FIGO World Congress. Vancouver, BC, Canada, October 2015.

**Yudin MH**. HIV in perinatal care- ethics, advocacy and clinical care. AIDS Committee of Windsor: Building HIV/ AIDS Capacity Forum. Windsor, ON, Canada, 12 September 12 2015.

**Yudin MH**. Immunization in pregnancy. Association of Ontario Midwives Webinar. Toronto, ON, Canada, 6 April 2016.

**Yudin MH**. Zika virus in pregnancy. Society of Obstetricians and Gynaecologists of Canada (SOGC) 72nd Annual Clinical Meeting. Vancouver, BC, Canada, 16 June 2016.

## LOCAL

Allen LM, Shaikh R. The Ovarian Mass: The What, Why & How About Management. 30th Annual Clinical Meeting, North American Society of Paediatric and Adolescent Gynaecology (NASPAG). Toronto, ON, Canada, April 2016.

**Barrett JFR**. Oxytocin – a primary in the obstetrical litigation. The Risk in Obstetrics Care In-Person Conference and Live Webcast Event for the Ontario Hospital Association. Toronto, ON, Canada, 19 November 2015.

Berger H. Diabetes and Pregnancy. Grand Rounds, Humber Journal Club. Toronto, ON, Canada, 13 April 2016.

**Berger H**. Induction of labor before 40 weeks is associated with lower rate of cesarean delivery in women with gestational diabetes mellitus. University of Toronto DIPSG Rounds. Toronto, ON, Canada, 20 January 2016.

**Berger H**. The changing paradigm of late onset fetal growth restriction. Grand Rounds, St. Michael's Hospital. Toronto, ON, Canada, 22 January 2016.

**Berger H**. The Clock is Ticking: Gestational Diabetes Update and delivery Timing. Medical Disorders in Pregnancy Symposium. Toronto, ON, Canada, 21 November 2015.

**Berger H**. The use of the cerebro-placental ratio (CPR) in the management of late onset IUGR. Grand Rounds, Toronto East General Hospital. Toronto, ON, Canada, 30 March 2016.

**Berger H**. Update on Research in Department of Obstetrics and Gynaecology. Grand Rounds, St. Michael's Hospital. Toronto, ON, Canada, 22 April 2016.

**Berger H**. Viral Infections in Pregnancy. Infectious Diseases in Obstetrics and Gynaecology Symposium. Toronto, ON, Canada, 20 November 2015.

**Berger H**. Working with Diet controlled GDM clients. Association of Ontario Midwives (AOM) Webinar Series. Toronto, ON, Canada, 10 December 2015.

**Bocking A**. Infection in Preterm Birth : Etiology and Intervention. Department of Obstetrics and Gynaecology, Mount Sinai Hospital. Toronto, ON, Canada, 15 January 2016.

Brown HK, Potvin L, **Kirkham YA**, Cobigo V, Vigod S. Perinatal health of women with intellectual and developmental disabilities: Priorities for action. The Health and Wellbeing in Developmental Disabilities Conference. Toronto, ON, Canada, 27 October 2015.

Carmona S, **D'Souza R**. Continuing Medical Education in Maternal-Fetal Medicine Through WhatsApp: An International Pilot Study. 44th APOG Annual Meeting- Culture Shift: Changing the Learning Environment. Toronto, ON, Canada, 5 December 2015.

**Casper RF**. Improving ART outcomes - A beyond the drug approach. Vaughan Estates at Sunnybrook. Toronto, ON, Canada, 3 May 2016.

**Casper RF**. Present and future uses of umbilical cord blood and tissue cells. Grand Rounds, St. Joseph Hospital. Toronto, ON, Canada, 15 October 2015.

**Drutz H**. Female Pelvic Medicine and Reconstructive Surgery (FPMRS) in Canada. Where is it at? Advances in female pelvic medicine and reconstructive surgery. Faculty Club, University of Toronto. Toronto, ON, Canada, June 2016.



**Drutz H**. The Great Debate. "Should we bring back the Burch Procedure?" Advances in female pelvic medicine and reconstructive surgery. Faculty Club, University of Toronto. Toronto, ON, Canada, June 2016.

**Drutz H**. Drugs for the Bladder. Mature Women's Health Care. Victoria College, University of Toronto. Toronto, ON, Canada, April 2016.

**D' Souza R**. Hypertension in Pregnancy. Sinai Care- High Risk orientation for Women's and Infant's health Centre of Excellence. Toronto, ON, Canada, 24 March 2016.

**D' Souza R**. Induction of Labour at 39 weeks. 14th Annual Refresher in Primary Maternity Care. Toronto, ON, Canada, 3 June 2016.

**D' Souza R**. Induction of Labour at 39 weeks. Teaching Rounds, Michael Garron Hospital. Toronto, ON, Canada, 22 June 2016.

**D' Souza R**. Postpartum Anaemia - What are we missing? 13th Annual Refresher in Primary Maternity Care. Toronto, ON, Canada, 5 June 2015.

D' Souza R. Role for Tocolysis. 2016 Preterm Birth Course. Toronto, ON, Canada, 15 January 2016.

**D' Souza R**. The Management of Women with Epilepsy Contemplating Pregnancy: A Decision Analysis Model. THETA Student Rounds, University of Toronto. Toronto, ON, Canada, 8 October 2015.

**D' Souza R**. What's New in Obstetrics? University of Toronto Obstetric Anesthesia Conference and Workshops. Toronto, ON, Canada, 18 September 2015.

**D' Souza R**. What's New in Pre-eclampsia. Medical Disorders of Pregnancy Conference. Toronto, ON, Canada, 21 November 2015.

**Freire-Lizama T**. Conceivable Health Care needs of Incoming Refugees. Society of Obstetricians and Gynaecology Ontario CME. Toronto, ON, Canada, 3 December 2015.

**Freire-Lizama T**. Fusion Weeks Lecture – Obstetric Complications, University of Toronto. Toronto, ON, Canada, 3 April 2016.

**Freire-Lizama T**. Panel Discussion on Refugee Reproductive Health Needs. Global Refugee and Immigrant Women's Health Symposium. Toronto, ON, Canada, 6 May 2016.

**Freire-Lizama T**. Select topics in Maternal-Fetal Medicine. Ryerson University Midwifery III Intensive Course. Toronto, ON, Canada, 22 April 2016.

**Freire-Lizama T**, Ballon B. Simulation Scenario-Writing. University of Toronto Department of Obstetrics and Gynaecology Faculty Development Day. Toronto, ON, Canada, 11 November 2015.

**Geary M**. New Concepts in QIPS for Shoulder Dystocia and OASIS. Annual Genesis Lecture, Inter-Hospital Grand Rounds University of Toronto. Toronto, ON, Canada, 9 October 2015.

**Geary M**. Role of Quality Improvement Programs in Pregnancy and Effect on Perinatal Outcomes. Royal Victoria Hospital. Barrie, ON, Canada, 28 October 2015.

**Gein LT**. New surgical approaches for gynaecologic cancers. Odette Cancer Centre. Toronto, ON, Canada, 14 April 2016.

Gotz T, **Jones CA**. Prioritization of Patients for Limited Funded IVF Cycles in Ontario. Canadian Fertility and Andrology Society. Toronto, ON, Canada, 29 June 2016.

**Greenblatt E**. Fertility Preservation: Launch of the "Expanding Access to Remote Areas. Thunder Bay, ON, Canada, 17 September 2015.

**Greenblatt E**. Polycystic Ovary Syndrome. Advancing Wellness in Reproductive Health CME. London, ON, Canada, 7 May 2016.

Jones C. Infertility Update. Vaughan Family Medicine Journal Club. Richmond Hill, ON, Canada, 20 April 2016.

**Jones C**. IVF Funding in Ontario Today. MacKenzie Health Grand Rounds. Richmond Hill, ON, Canada, 9 March 2016.

**Jones C**. Travel in Pregnancy. Department of Obstetrics and Gynaecology Grand Rounds, Mount Sinai Hospital. Toronto, ON, Canada, 20 November 2015.

Keunen J. Pre Pregnancy Counselling. Medical Disorders in Pregnancy. Toronto, ON, Canada, 21 November 2015.

**Kingdom JC**. Markers of Placental Function. 14th Annual Refresher in Primary Maternity Care. Toronto, ON, Canada, 3 June 2016.

**Kingdom JC**. Placenta Clinic and Stillbirth. Pregnancy & Infant Loss Summit held at Mount Sinai Hospital. Toronto, ON, Canada, 16 May 2016.

**Kirkham Y**. Paediatric vulvovaginal disease. Vulvar Disease Update. Continuing Medical Education, Mount Sinai Hospital. Toronto, ON, Canada, 24 October 2015.

**Kroft J**. Surgical Management of Endometriosis Presenter of lecture and facilitator for hands-on component in Essentials in Endoscopy Course. Society of Minimally Invasive Gynaecology Association of Professors of Obstetrics and Gynaecology of Canada. Toronto, ON, Canada, 3 December 2015.

**Kroft J**. The contemporary uses of GnRH with add-back therapy: How optimizing therapy increases adherence and compliance. Society of Obstetricians and Gynaecologists of Canada. Toronto, ON, Canada, 3 December 2015.

**Lausman A**. IUGR. Grand Rounds, Family Practice St. Michael's Hospital. Toronto, ON, Canada, 17 September 2015. Liu K. Understanding the Ethics of Practice in Fertility Law. Osgood Hall Law School Professional Development, Current and Emerging Issues in Fertility Law. Toronto, ON, Canada, 20 January 2016.

**Lovatsis D**, **Murji A**, **Solnik J**, Cole D. Gyne QIPS: Transfusion Rates For Hysterectomy and Myomectomy. Department of Obstetrics and Gynaecology Grand Rounds, Mount Sinai Hospital. Toronto, ON, Canada, 27 May 2016.

**Lye SJ**. Environmental Interactions with Multiple Genomes Mediate Early Child Development. Genetic Grand Rounds, Hospital for Sick Children. Toronto, ON, Canada, 24 September 2015.

**Maxwell C**. Bariatric C-Section. 12 Annual, MSH, OB Malpractice: A Survival Guide for 2016, University of Toronto. Toronto, ON, Canada, 16 January 2016,

**Maxwell C**. Basic Principles for professionals caring for the morbidly obese parturient. 13th University of Toronto Obstetric Anesthesia Conference. Toronto, ON, Canada, 10 September 2015.

**Maxwell C**. Inflammatory Bowel Disease In Pregnancy. Maternal Fetal Medicine, Journal Club. Toronto, ON, Canada, 3 March 2016.

**Maxwell C**. MFM as a Career Choice. Department of Obstetrics and Gynaecology, University of Toronto, Mount Sinai Hospital. Toronto, ON, Canada, 18 January 2016.

Maxwell C, Kfouri J. Non Obstetric Surgery In Pregnancy, Medical Disorders In Pregnancy 2015. Obstetrics and Gynaecology, Faculty of Medicine, University of Toronto. Toronto, ON, Canada, 21 November 2015.

Maxwell C. Obesity In Pregnancy. Etobicoke General Hospital. Toronto, ON, Canada, 10 November 2015.

**Maxwell C**. Obesity and its challenges in Pregnancy. Obstetrics and Gynaecology, Faculty of Medicine, University of Toronto. Toronto, ON, Canada, 8 June 2016.

**McDermott CD**. Botox and the Pelvic Floor Workshop. Mount Sinai Hospital Conference on Advances in Female Pelvic Medicine & Reconstructive Pelvic Surgery. Toronto, ON, Canada, 28 May 2016

**McDermott CD**. Obesity and the Pelvic Floor. Research Symposium on Obesity, Department of Obstetrics and Gynaecology, University of Toronto. Toronto, ON, Canada, 8 June 2016.

**Meffe F**. A LINC (Longitudinal Integrated Clerkship) Preceptor's Personal Story. Revitalize the Curriculum: A Symposium on U of T Medicine's Educational Future. Toronto, ON, Canada, 27 November 2015.

**Melamed N**. MgSO4 for Neuroprotection in Preterm Birth. Preterm Birth Conference. Toronto, ON, Canada, 15 January 2016.

**Melamed N**. Should we abandon the Down's Syndrome biochemical markers in the era of NIPT? SOGT. Toronto, ON, Canada, 27 October 2015.

**Moskovtsev S**. Spermatogenesis PSL 420F/1420F Reproductive Physiology. Department of Physiology, University of Toronto. Toronto, ON, Canada, October 2015.

**Moskovtsev S**. The sperm epigenome: implications on fertility, offspring development and health. Create Fertility Centre. Toronto, ON, Canada, 19 August 2015.

Murji A. Abnormal Uterine Bleeding. 12th Annual Mature Women's Health Care, Mount Sinai Hospital. Toronto, ON, Canada, 15 April 2016.

**Murji A**, Atri M. Evaluation of Ovarian Masses with Contrast - Workshop. 19th Annual Women's Imaging Course, University of Toronto. Toronto, ON, Canada, 26 February 2016.

**Murji A**. Hysterocopy: Myosure and Essure. CME on Minimally Invasive Gynaecology. Toronto, ON, Canada, September 2015.

**Murji A**. Management of Endometriosis for the Primary Care Provider. Department of Obstetrics and Gynaecology 7th Annual Women's Health Symposium. Toronto, ON, Canada, 5 February 2016.

**Murji A**. University of Toronto Collaborations in Fibroid Research. University of Toronto Department of Obstetrics and Gynaecology, Interhospital Rounds. Toronto, ON, Canada, 10 June 2016.

**Murji A**. What's New In Gynaecology. 11th Annual Everyday Gynaecology: The Management of Common Gynaecologic Conditions. Toronto, ON, Canada, 23 October 2015.

**Murphy KE**. Bias Busters. HTA Institute 2015: Health Technology Assessment for Decision Makers. Toronto, ON, Canada, September 2015.

**Murphy KE**. Critical Appraisal. HTA Institute 2015: Health Technology Assessment for Decision Makers. Toronto, ON, Canada, September 2015.

**Murphy KE**. HIV in Pregnancy. Global Health Education Initiative, Dalla Lana School of Public Health. Toronto, ON, Canada, July 2015.

Murphy KE. HIV in Pregnancy. OB Medicine Rounds, Mount Sinai Hospital. Toronto, ON, Canada, January 2016.

**Murphy KE**. Hot Topics in Global Health: Hepatitis B in Pregnancy. Global Refugee and Immigrant Women's Health Conference. Toronto, ON, Canada, May 2016.

**Murphy KE**. Maternal to child transmission of Hepatitis B, Hepatitis C and HIV. Infectious Diseases in Obstetrics and Gynaecology, Mount Sinai Hospital. Toronto, ON, Canada, November 2015.

**Murphy KE**. Maternal to child transmission of Hepatitis B, Hepatitis C and HIV. Infectious Diseases/Microbiology Seminar, Toronto General Hospital. Toronto, ON, Canada, December 2015.

**Murphy KE**. Steroids: Preterm, Term, Rescue and Follow-Up Studies. Preterm Birth Conference, Mount Sinai Hospital. Toronto, ON, Canada, January 2016.

**Murphy KE**. The Zika Virus: A Global Issue in a Canadian Context. Canadian Association of Paediatric Health Sciences. Toronto, ON, Canada, February 2016.

**Murphy KE**. Update on the Upchuck - Hyperemesis, Ondansetron. Medical Disorders in Pregnancy Conference. Toronto, ON, Canada, November 2015.

Murphy KE. Webinar - Torch. Association of Ontario Midwives. Toronto, ON, Canada, January 2016.

Murphy KE. Zika Webinar. Public Health Ontario. Toronto, ON, Canada, February 2016.

Murphy KE. Zika Webinar. Public Health Ontario. Toronto, ON, Canada, June 2016.

**Pittini R**, Tang B, Kulasegaram M, Punnett A. Revitalize the Curriculum, Foundations Curriculum Panel. Undergraduate Medical Education, Faculty of Medicine, University of Toronto. Toronto, ON, Canada, 27 November 2015.

**Rogers IM**. Building organs from stem cells. 'Undergraduate physiology research seminar', Department of Physiology, University of Toronto. Toronto, ON, Canada, 11 March 2016.

**Rogers IM**. Umbilical cord blood and tissue cells, banking and stem cell therapies. Obstetrics and Gynaecology Group, Mackenzie Health Centre. Richmond Hill, ON, Canada, 29 June 2016.

**Rogers IM**. Using umbilical cord blood and tissue cells for advanced stem cell therapies. Joseph Brant Hospital Obstetrics and Gynaecology Group. Burlington, ON, Canada, 13 January 2016.

**Ryan G**. Fetal Chest Abnormalities. True North Imaging Annual Ultrasound CME Day. Toronto, ON, Canada, 17 April 2016.

**Ryan G**. Fetal Therapy. The Hospital for Sick Children, Neonatal Fellowship Program. Toronto, ON, Canada, 20 January 2016.

**Ryan G**. Issues with EMR's. 12th Annual Obstetrical Malpractice: A Survival Guide for 2016. Toronto, ON, Canada, 16 January 2016.

**Ryan G**. Twin Assessment in First Trimester. 19th Annual Women's Imaging - Advances in Gynaecologic Imaging & First Trimester Screening Ultrasound, University of Toronto Dept. of Medical Imaging and Obstetrics and Gynaecology. Toronto, ON, Canada, 26 February 2016.

**Ryan G**. Ultrasound of multiple pregnancies. True North Imaging Annual Ultrasound CME Day. Toronto, ON, Canada, 17 April 2016.

**Ryan G**. When the Caregiver has to Choose between providing care or documenting it. 12th Annual Obstetrical Malpractice: A Survival Guide for 2016. Toronto, ON, Canada, 16 January 2016.

Seaward G. Communication Skills Improvement. IHPME QIPS - U of T. Toronto, ON, Canada, 12 September 2015.

**Seaward G**. Legal Issues : Almost Misses at Mount Sinai Hospital. 12th Annual Obstetrical Malpractice: A Survival Guide for 2016 - Mount Sinai Hospital, Department of Obstetrics and Gynaecology, University of Toronto. Toronto, ON, Canada, 16 January 2016.



**Seaward G**, Calk T, Meadwell K, Tagi J, Sharples L. Reducing the Cost of Caesarean Section using Lean Methods - A Single Centre Quality Improvement Initiative. 7th Annual C-QIPS Symposium. Toronto, ON, Canada, 8 October 2015.

**Seaward G**. Reducing the Cost of Caesarean Section using Lean Methods - A Single Centre Quality Improvement Initiative. University of Toronto Centre for Quality Improvement and Patient Safety :(C-QIPS) Symposium. Toronto, ON, Canada, October 2015.

**Seaward G**. Quality Improvement and Patient Safety (QIPS) Curriculum. Resident Teaching Seminar. Toronto, ON, Canada, 4 August 2015.

**Seaward G**. Quality Improvement and Patient Safety (QIPS) in OB/GYN. University of Toronto, Department of Obstetrics and Gynaecology. Toronto, ON, Canada, 2 December 2015.

**Seaward G**. QIPS: Use and abuse of Oxytocin in Labour. Department of Obstetrics and Gynaecology, Mount Sinai Hospital, Grand Rounds. Toronto, ON, Canada, 25 September 2015.

**Seaward G**. QIPS: Use and abuse of Oxytocin in Labour. St. Joseph's Health Centre, Grand Rounds. Toronto, ON, Canada, 27 November 2015.

**Seaward G**. QIPS: Use and abuse of Oxytocin in Labour. Women's College Hospital, Department of Obstetrics and Gynaecology. Toronto, ON, Canada, 21 April 2016.

**Selk A**. Cervical Cancer Guidelines for Patients with no Previous Screening. University of Toronto and Mount Sinai Hospital Department of Obstetrics and Gynaecology. . Global Refugee and Immigrant Women's Health Day. Toronto, ON, Canada, 6 May 2016.

**Selk A**. Cervical Cancer Screening Update. Women's College Hospital, Department of Medicine Grand Rounds. Toronto, ON, Canada, 27 January 2016.

**Selk A**, McFaul S. Quality Assurance in Cervical Screening and Colposcopy - Case presentations. Society of Obstetricians and Gynaecologists of Canada. Toronto, ON, Canada, 4 December 2015.

**Selk A**. The Itchy Vulva - Causes and Management. University of Toronto and Mount Sinai Hospital Department of Obstetrics and Gynaecology. Toronto, ON, Canada, 24 October 2015.

**Selk A**. Update on cervix cancer prevention in low resource settings. Society of Obstetricians and Gynaecologists of Canada. Toronto, ON, Canada, 4 December 2015.

**Selk A**. Vulvar Disease Basics. University of Toronto and Mount Sinai Hospital Department of Obstetrics and Gynaecology. Toronto, ON, Canada, 24 October 2015.

**Selk A**. Vulvar and Vaginal Disease. Women's College Hospital, Colposcopy Nursing Symposium. Toronto, ON, Canada, 2 October 2015.

**Shier RM**. Cervical Cancer Prevention in 2016. Sunnybrook Speaker Series, Cancer Care Awareness Month. Toronto, ON, Canada, 14 April 2016.

**Shier RM**. HPV Related Vulvar Disease. Vulvar Disease 2015, University of Toronto Program, Mt Sinai Hospital. Toronto, ON, Canada, 24 October 2015.

**Shynlova O**. Advances in Female Pelvic Medicine and Reconstructive Pelvic Surgery. Office of Continuing Education Course: Challenges in Basic Science Research into POP and Stress Urinary Incontinence. Toronto, ON, Canada 27-28 May 2016.

**Spitzer RF**, Shivji A. A Global Women's Health Curriculum for Post Graduate Trainees in Obstetrics and Gynaecology in Canada. Toronto, ON, Canada, 5 December 2015. **Spitzer RF**, Feuerstein E. Contraception Adherence. Paediatric and Adolescent Gynaecology Review Day. Toronto, ON, Canada, 14 January 2016.

**Spitzer RF**. Contraception and Global Health. University of Toronto Undergraduate Medical Education Global Health Enriching Educational Experience Lecture Series. Toronto, ON, Canada, 24 February 2016.

**Spitzer RF**. Surgical Emergencies in Paediatric and Adolescent Gynaecology. North American Society of Paediatric and Adolescent Gynaecology Annual Clinical Meeting. Toronto, ON, Canada, 8 April 2016.

**Ternamian A**. The Future of Minimally Invasive Surgery: Perspectives from Across Canada. Canadian Symposium on Minimally Invasive Gynaecologic Surgery. Victoria College University of Toronto. Toronto, ON, Canada, 17 April 2016.

**Yudin MH**. HIV: clinical care here and abroad. Global Refugee and Immigrant Women's Health Continuing Medical Education Course. University of Toronto, Department of Obstetrics and Gynaecology. Toronto, ON, Canada, 6 May 2016.

**Yudin MH**. Immunization in pregnancy. Infectious Diseases in Obstetrics and Gynaecology Continuing Medical Education Course. University of Toronto, Department of Obstetrics and Gynaecology. Toronto, ON, Canada, 20 November 2015.

**Yudin MH**. Recurring vaginitis: treatment strategies. Infectious Diseases in Obstetrics and Gynaecology Continuing Medical Education Course. University of Toronto, Department of Obstetrics and Gynaecology. Toronto, ON, Canada, 20 November 2015.

**Yudin MH**. The implications of hepatitis pregnancy. University of Toronto, Department of Obstetrics and Gynaecology Resident Teaching Lecture Series. Toronto, ON, Canada, 27 October 2015.

**Yudin MH**. What's new in infectious diseases. 11th Annual Everyday Gynaecology Course. Mount Sinai Hospital and University of Toronto Department of Obstetrics and Gynaecology. Toronto, ON, Canada, 23nOctober 2015.

# ORAL AND POSTER PRESENTATIONS

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#### **ABSTRACT PRESENTATIONS - INTERNATIONAL**

Abbasi N, **Barrett JFR**, **Melamed N**. The role of cerclage in twin pregnancies with short cervix. 36th Annual Society of Maternal Fetal Medicine Conference. Atlanta, GA, USA, February 2016.

**Asztalos EV, Hannah M**, Hutton E, Willan A, Alexander A, Armson A, Gafni A, Joseph KS, Ohlsson A, Ross S, **Barrett JFR**. Twin Birth Study: 2-year neurodevelopmental follow-up of the randomized trial of planned Caesarean or planned vaginal delivery for twin pregnancy. 36th Annual Society of Maternal Fetal Medicine Conference. Atlanta, GA, USA, 6 February 2016.

Aurora R, Quach, K, **Liu K**, **Arthur R**, **Baratz AY**, **Glass K**, **Sharma P**, **Librach CL**, **Greenblatt E**. Comparison of hysteroscopic tubal occlusion by microinsert placement and laparoscopic tubal occlusion or salpingectomy in the management of hydrosalpinges prior to IVF. ASRM Annual Meeting. Maryland, BC, USA, October 2015.

Beiner M, **Bernardini MQ**, Pulman K, Perri T, Jakobson-Setton A, Helpman L, Korach J, Ben-Baruch G. Re-operation for comprehensive surgical staging does not improve outcome of BRCA 1/2 mutation carriers with unsuspected invasive cancer identified at risk reducing surgery. European Society of Gynaecologic Oncology. Nice, France, 25 Oct 2015.

Burchell AN, Kendall C, Cheng S, Antoniou T, Bayoumi AM, Glazier R, Lofters A, Raboud J, **Yudin MH**, Loutfy M. Decline in annual pap testing among HIV-positive women in Ontario, Canada. Conference on Retroviruses and Opportunistic Infections (CROI), Annual Scientific Meeting. Boston, MA, USA, 22-25 February 2016.

Chow T, Whiteley J, **Nagy A**, **Rogers IM**. Investigating the influence of parental cell type on differentiation potential of mouse and human induced pluripotent stem cells to renal progenitors. 2016 International Society for Stem Cell Research. San Francisco, CA, USA, 24 June 2016.

Crossier R, **Shapiro J**, **Wolfman W**, **Murji A**. The Role of Ethnicity in the Treatment of Uterine Fibroids with Ulipristal Acetate. 44th AAGL Global Congress on Minimally Invasive Gynaecology. Las Vegas, NV, USA, 17 November 2015.

**Derzko C**, Brandon C, Strauss A, Messina M, Faulkner D, Ireland C, Jenkins D. High Soy Protein Consumption Does Not Stimulate Growth of the Endometrial Lining in Postmenopausal Women. North American Menopause Society (NASM) Annual General Meeting. Las Vegas, NV, USA, 30 September 2015.

De Souza LR, **Berger H**, Retnakaran R, Maguire JL, Nathens AB, Connelly PW, **Ray JG**. First-Trimester Maternal Abdominal Adiposity Predicts Dysglycemia and Gestational Diabetes Mellitus in Midpregnancy. 36th Annual Society of Maternal Fetal Medicine Conference. Atlanta, GA, USA, 5 February 2016.

**D'Souza R**, Ostro J, Shah P, **Silversides C**, **Malinowski AK**, **Murphy KE**, **Sermer M**, Shehata N. Anticoagulation in pregnant women with mechanical heart valves: a systematic review and meta-analysis. The 4th International Congress on Cardiac Problems in Pregnancy (CPP). Las Vegas, NV, USA, 28 February 2016.

**D'Souza R**, Breiner A, Sander B, **Murphy KE**, Bermingham S, Krahn MD. Management of Epilepsy in women contemplating pregnancy: A decision analysis model. The Society for Medical Decision Making, 37th Annual North American Meeting. St. Louis, MO, USA, 18-21 October 2015.

**D'Souza R**, Shehata N, **Silversides C**, **Murphy KE**, **Malinowski AK**, **Sermer M**, Ostro J, Shah P. Anticoagulation in pregnant women with mechanical heart valves: a systematic review and meta-analysis. 36th Annual Society of Maternal Fetal Medicine Conference. Atlanta, GA, USA, 5 February 2016.

Duckworth J, Nayiager T, Pullenayegum E, Whitton A, Hollenberg R, Horsman J, Furlong W, **Spitzer R**, Barr RD. Pain in Survivors of Brain Tumours in Childhood. International Society of Paediatric Oncology. Cape Town, South Africa, October 2015.



Abbasi N, **Barrett JFR**, **Melamed N**. The role of cerclage in twin pregnancies with short cervix. 36th Annual Society of Maternal Fetal Medicine Conference. Atlanta, GA, USA, February 2016.

**Asztalos EV**, **Hannah M**, Hutton E, Willan A, Alexander A, Armson A, Gafni A, Joseph KS, Ohlsson A, Ross S, **Barrett JFR**. Twin Birth Study: 2-year neurodevelopmental follow-up of the randomized trial of planned Caesarean or planned vaginal delivery for twin pregnancy. 36th Annual Society of Maternal Fetal Medicine Conference. Atlanta, GA, USA, 6 February 2016.

Aurora R, Quach, K, **Liu K**, **Arthur R**, **Baratz AY**, **Glass K**, **Sharma P**, **Librach CL**, **Greenblatt E**. Comparison of hysteroscopic tubal occlusion by microinsert placement and laparoscopic tubal occlusion or salpingectomy in the management of hydrosalpinges prior to IVF. ASRM Annual Meeting. Maryland, BC, USA, October 2015.

Beiner M, **Bernardini MQ**, Pulman K, Perri T, Jakobson-Setton A, Helpman L, Korach J, Ben-Baruch G. Re-operation for comprehensive surgical staging does not improve outcome of BRCA 1/2 mutation carriers with unsuspected invasive cancer identified at risk reducing surgery. European Society of Gynaecologic Oncology. Nice, France, 25 Oct 2015.

Burchell AN, Kendall C, Cheng S, Antoniou T, Bayoumi AM, Glazier R, Lofters A, Raboud J, **Yudin MH**, Loutfy M. Decline in annual pap testing among HIV-positive women in Ontario, Canada. Conference on Retroviruses and Opportunistic Infections (CROI), Annual Scientific Meeting. Boston, MA, USA, 22-25 February 2016.

Chow T, Whiteley J, **Nagy A**, **Rogers IM**. Investigating the influence of parental cell type on differentiation potential of mouse and human induced pluripotent stem cells to renal progenitors. 2016 International Society for Stem Cell Research. San Francisco, CA, USA, 24 June 2016.

Crossier R, **Shapiro J**, **Wolfman W**, **Murji A**. The Role of Ethnicity in the Treatment of Uterine Fibroids with Ulipristal Acetate. 44th AAGL Global Congress on Minimally Invasive Gynaecology. Las Vegas, NV, USA, 17 November 2015.

**Derzko C**, Brandon C, Strauss A, Messina M, Faulkner D, Ireland C, Jenkins D. High Soy Protein Consumption Does Not Stimulate Growth of the Endometrial Lining in Postmenopausal Women. North American Menopause Society (NASM) Annual General Meeting. Las Vegas, NV, USA, 30 September 2015.

De Souza LR, **Berger H**, Retnakaran R, Maguire JL, Nathens AB, Connelly PW, **Ray JG**. First-Trimester Maternal Abdominal Adiposity Predicts Dysglycemia and Gestational Diabetes Mellitus in Midpregnancy. 36th Annual Society of Maternal Fetal Medicine Conference. Atlanta, GA, USA, 5 February 2016.

**D'Souza R**, Ostro J, Shah P, **Silversides C**, **Malinowski AK**, **Murphy KE**, **Sermer M**, Shehata N. Anticoagulation in pregnant women with mechanical heart valves: a systematic review and meta-analysis. The 4th International Congress on Cardiac Problems in Pregnancy (CPP). Las Vegas, NV, USA, 28 February 2016.

**D'Souza R**, Breiner A, Sander B, **Murphy KE**, Bermingham S, Krahn MD. Management of Epilepsy in women contemplating pregnancy: A decision analysis model. The Society for Medical Decision Making, 37th Annual North American Meeting. St. Louis, MO, USA, 18-21 October 2015.

**D'Souza R**, Shehata N, **Silversides C**, **Murphy KE**, **Malinowski AK**, **Sermer M**, Ostro J, Shah P. Anticoagulation in pregnant women with mechanical heart valves: a systematic review and meta-analysis. 36th Annual Society of Maternal Fetal Medicine Conference. Atlanta, GA, USA, 5 February 2016.

Duckworth J, Nayiager T, Pullenayegum E, Whitton A, Hollenberg R, Horsman J, Furlong W, **Spitzer R**, Barr RD. Pain in Survivors of Brain Tumours in Childhood. International Society of Paediatric Oncology. Cape Town, South Africa, October 2015.

**Frecker H**, **Kives S**, **Yudin MH**. The prevalence of chlamydia in adolescents at presentation to colposcopy: do new cervical cancer screening guidelines eliminate an STI screening opportunity? Infectious Diseases Society for Obstetrics and Gynaecology (IDSOG), Annual Scientific Meeting. Portland, OR, USA, 6-8 August 2015.

Freeman H, Okby R, **Rosen H**, **Nevo O**, **Glanc P**, **Barrett JFR**, **Melamed N**. Fetal Growth Pattern in Twin pregnancies. 36th Annual Society of Maternal Fetal Medicine Conference. Atlanta, GA, USA, February 2016.

**Gupta A**, Maloney AM, Traubici J, Lorenzo A, **Allen LM**, Knight S, Lee Chong A. Anti-Mullerian Hormone (AMH) In Female Adolescent Cancer Patients Pre, During and Post Therapy. The Connective Tissue Oncology Society - 19th Annual Meeting. Berlin, Germany, 15 October 2015.

Hacibekiroglu S, Michael IP, **Nagy A**. Combined Cell and Gene Therapy Towards the Treatment of Age-related Macular Degeneration and Diabetic Retinopathy. The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. Seattle, WA, USA, 5 May 2016.

Husslein H, **Frecker H**, **Shore EM**, **Lefebvre G**, **Satkunaratnam A**. Comparing Two Devices of Uterine Manipulation and Vaginal Fornix Delineation at Total Laparoscopic Hysterectomy – Preliminary Results. American Association of Gynaecologic Laparoscopists Annual Meeting. Las Vegas, NV, USA, 15 November 2015.

Hogen L, **Thomas G**, **Bernardini MQQ**, Bassiouny D, **Gien LT**, **Rosen B**, Le L, **Vicus D**. Early-stage clear cell ovarian carcinoma and the effect of adjuvant radiation on survival. Society of Gynaecologic Oncology. San Diego, CA, USA, 20 Mar 2016.

Kibel M, **Asztalos EV**, **Barrett JFR**, Goldberg C, Pittini A, **Melamed N**. Outcomes of pregnancies complicated by preterm premature rupture of membranes before 24 weeks gestation. 36th Annual Society of Maternal Fetal Medicine Conference. Atlanta, GA, USA, 6 February 2016.

Kibel M, **Barrett JFR**, Tward C, Okby R, Pittini A, Kahn M, **Melamed N**. The natural history of preterm premature rupture of membranes in twin pregnancies is different than that observed in singletons. 36th Annual Society of Maternal Fetal Medicine Conference. Atlanta, GA, USA, February 2016.

Kingdom T, Zhu M, Porayette P, Saini B, Stochitoiu I, Grosse-Wortmann L, Yoo SJ, Jaeggi E, Macgowan CK, **Kingdom JC**, **Seed M**. The absolute and relative sizes of the brains and bodies of fetuses with different forms of congenital heart disease and intrauterine growth restriction. SCMR. Los Angeles, CA, USA, January 2016.

Kruger P, **Sobel M**, **Lee P**. Predicting Length of Stay in Hospital with Vaginal Hysterectomy. American Association of Gynaecologic Laparoscopists Annual Congress. Las Vegas, NV, USA, November 2015.

Lavut A, Kim K, **Bentov Y**, **Jurisicova A**. The effects of Metformin on mitochondrial function in granulosa-cumulus cells. 17th International conference on Oxidative Stress Reduction. Paris, France, 13-15 June 2016.

Lazor J, Weyman K, Leslie K, Bernstein S, **Meffe F**. A Comprehensive Approach to Faculty Development to Support Implementation of a New Innovative Longitudinal Integrated Clerkship in a Large Urban Academic Centre: Key Components and Strategies. Association for Medical Education in Europe (AMEE). Glasgow, Scotland, 7 September 2015.

Li A, Lo K, **Lee P**. Predictors of Urinary Retention with pelvic floor reconstructive surgery. American Association of Gynaecologic Laparoscopists Annual Congress. Las Vegas, NV, USA, November 2015.

Martin-Lorente C, Mackay H, **Laframboise S**, O'Brien C, Butler M, Dhani N, Wilson M, S Lheureux S, Rodriguez-Freixinos V, **Rosen B**, **Murphy J**, **Ferguson S**, **Bernardini MQQ**, **Dodge J**, Lau A, Wang L, **Oza A**. Retrospective review of malignant bowel obstruction (MBO) outcomes in patients with epithelial ovarian carcinoma (EOC). European Society of Gynaecologic Oncology. Nice, France, 24-25 October 2015.

McLaughlin K, **D'Souza R**, Hladunewich M, Parker J, **Kingdom JC**. Maternal cardiovascular effects of placental dysfunction in the 2nd trimester. European Society of Cardiology (ESC) Congress 2015. London, UK, 30 August 2015.

McQuaid R, Naranian T, Nazari R, Giommi K, Jurisica I, **Jurisicova A**. Modulation of oocyte quality by physical activity. Cold Spring Harbour Meeting, Metabolic Signaling and Disease. Cold Spring Harbour, NY, USA, August 2015.



**Mei-Dan E**, **Asztalos EV**, **Melamed N**, Willan AR, **Barrett JFR**. Cesarean versus vaginal delivery for women in spontaneous labor of twin pregnancy: A secondary analysis of the Twin Birth Study. 36th Annual Society of Maternal Fetal Medicine Meeting. Atlanta, GA, USA, 1-6 February 2016.

**Mei-Dan E**, **Asztalos EV**, **Melamed N**, Willan AR, **Barrett JFR**. Induction of labor versus cesarean section for twin pregnancy: A secondary analysis of the Twin Birth Study. 36th Annual Society of Maternal Fetal Medicine Meeting. Atlanta, GA, USA, 1-6 February 2016.

**Melamed N, Ray JG, Barrett JFR, Geary M, Bedard D, Spargue A, Berger H**. Induction of labor before 40 weeks is associated with lower rate of Caesarean section in women with gestational diabetes mellitus. 36th Annual Society of Maternal Fetal Medicine Conference. Atlanta, GA, USA, February 2016.

**Melamed N**, Shah J, Yoon EW, Pelausa E, **Lee S**, Shah P, **Murphy KE**. The role of antenatal corticosteroids in twin pregnancies complicated by preterm birth. 36th Annual Society of Maternal Fetal Medicine Meeting. Atlanta, GA, USA, February 2016.

Nayiager T, Duckworth JA, Pullenayegum E, Whitton A, Hollenberg R, Horsman J, Furlong W, **Spitzer R**, Barr R. Health-related quality of life in long-term survivors of brain tumors in childhood and adolescence: A serial study spanning a decade. International Society of Paediatric Oncology. Cape Town, South Africa, July 2015.

Nica A, Liu G, Selk A, Kroft J. Understanding Pre-operative Staging and Surgical Practice in Advanced Endometriosis. Society of Gynaecologic Surgeons 42nd Annual Scientific Meeting. Palm Springs, CA, USA, 10-13 April 2016.

Patterson N, **Maxwell C**, Sharma A, **Greenblatt E**. Obesity related health status, versus body mass index, a better predictor of pregnancy? American Society of Reproductive Medicine. Baltimore, MD, USA, October 2015.

Penna FJ, Bowlin PR, Odeh RI, **Allen LM**, Farhat WA. Paediatric Laparoscopic Congenial Vesico-vaginal Fistula Repair for Vaginal Agenesis. American Urological Association 111th Annual Meeting. San Diego, CA, USA, 6 May 2016.

Peterson L, Rusticus S, Wilson D, Eva K, **Pittni R**, Schreiber M, Pinchin S, Moffat S, Sargeant J, Warren A. Using the Readiness for Clerkship and Residency Surveys to Evaluate the Effectiveness of Four MD Programs. American Association of Medical Colleges. Baltimore, MD, USA, 10 November 2015.

Philip L, Cybulska P, **May T**, Cheong C, **Ferguson S**, Maganti M, Halankar J, Paravashthu D, Metser U, **Bernardini MQQ**. Does the initial management of high-grade serous ovarian cancer predict recurrence? Society of Gynaecologic Oncology. San Diego, CA, USA, 20 March 2016.

Pittini A, **Barrett JFR**, **Kingdom J**, **Melamed N**. Sonographic Factors Distinguishing Late Intrauterine Growth Restriction from Late Small for Gestational Age Fetuses. 36th Annual Society of Maternal Fetal Medicine Meeting. Atlanta, GA, USA, February 2016.

Po L, **Lee P**. Power Morcellation in Fibroid Surgery: Do Risks Outweigh Benefits? The patient's Perspective. American Association of Gynaecologic Laparoscopists Annual Congress. Las Vegas, NV, USA, November 2015.

Proulx E, **Lambe EK**. Early stress disrupts cholinergic mechanisms of prefrontal cortex modulation. Winter Brain Research Conference. Breckenridge, USA, January 2016.

Proulx E, Kang L, Fraser P, McLaurin J, **Lambe EK**. Calcium regulation of sustained cholinergic excitation of prefrontal executive circuitry in the TgCRND8 mouse model of Alzheimer's disease. Society for Neuroscience. Chicago, IL, USA, October 2015.

**Rosen H**, Okby R, Freeman H, **Nevo O**, **Glanc P**, **Barret JFR**, **Melamed N**. The Predictive Value of Sonographic Cervical Length in Triplet Pregnancies. 36th Annual Society of Maternal Fetal Medicine Meeting. Atlanta, GA, USA, February 2016.

Sargin D, Lambe EK. Mechanisms responsible for altered excitability of serotonin (5-HT) neurons in chronic

social isolation stress. Society for Neuroscience. Chicago, IL, USA, October 2015.

Sheinis M, Cesari M, **Selk A**. Angiosarcoma of the vulva: a case report. International Society for the Study of Vulvovaginal Disease. New York, NY, USA, 27-29 July 2015.

Shah J, **Melamed N**, **Murphy KE**, Yoon E, Pelausa E, **Lee SK**, Shah P, Canadian Neonatal Network. The role of timely antenatal corticosteroids in preterm twin pregnancies. PAS 2016. Baltimore, MD, USA, April 2016.

Shah J, **Mei- Dan E**, **Murphy KE**, Yang JM, **Lee SK**, Shah P. Birth order of very preterm twins: neonatal mortality and morbidity. PAS 2016. Baltimore, MD, USA, April 2016.

**Sharma P**, Shahabi K, **Spitzer R**, **Farrugia M**, Kaul R, **Yudin MH**. Cervico-vaginal inflammatory changes in intrauterine contraceptive device users: a pilot study. Infectious Diseases Society for Obstetrics and Gynaecology (IDSOG), Annual Scientific Meeting. Portland, OR, USA, 6-8 August 2015.

Sterling L, Liu J, Sakhuja1 A, **Sierra S**, **Okun N**, **Greenblatt E**. Pregnancy outcomes in women with polycystic ovarian syndrome (PCOS) undergoing in vitro fertilization (IVF). European Society of Human Reproduction and Embryology (ESHRE) Annual Meeting. Lisbon, Portugal, June 2015.

Tian M, Lambe EK. Serotonin strongly regulates the activation of prefrontal layer 6 pyramidal neurons in prefrontal cortex. Society for Neuroscience. Chicago, IL, USA, October 2015.

Thurman R, Zaffar N, Sayyar P, **Sermer M**, **Siu S**, **Silversides C**, **D'Souza R**. Pregnancy outcomes in women with moderate to severe heart disease. The 4th International Congress on Cardiac Problems in Pregnancy (CPP). Las Vegas, NV, USA, 28 February 2016.

Tone A, Stewart J, Virtanen C, **Bernardini MQQ**, **Laframboise S**, **Murphy KE**, **Ferguson S**, **Oza A**, **Brown T**. Examining selection for resistant clones in high-grade serous ovarian cancer after neoadjuvant chemotherapy. Society of Gynaecologic Oncology. San Diego, CA, USA, 20 March 2016.

Tward C, **Barrett JFR**, **Berger H**, Kibel M, Pittini A, **Cohen H**, **Melamed N**. Does Gestational Diabetes Affect Fetal Growth and Pregnancy Outcome in Twin Pregnancies? 36th Annual Society of Maternal Fetal Medicine Meeting. Atlanta, GA, USA, February 2016.

Tyagi T, Leong Y, **Alarab M**, **Drutz H**, **Lye S**, **Shynlova O**. Local estrogen therapy modifies ECM proteins and immune response in vaginal tissue of postmenopausal women with severe POP. 41st Annual Meeting of the International Urogynaecological Association. Cape Town, South Africa, 2-6 August 2016.

Vicus D, Shier M, Gien LT, Covens A, Tinmouth J, Kupets R, Salit I, Ghorab Z. Anal Dysplasia in Women with High-Grade Cervical Dysplasia and Cervical Cancer; Is it Time to Start Screening with Cytology and Adjunct hrHPV testing? American Society for Colposcopy and Cervical Pathology (ASCCP). New Orleans, LA, USA, 13-16 April 2016.

Valiaveettil C, Caddy S, **Yudin MH**, Benoit A, Ding E, Kaida A, de pokomandy A, Hogg RS, Loutfy M. Association of antiretroviral use and abnormal uterine bleeding in women living with HIV. 6th International Workshop on HIV and Women. Boston, MA, USA, 20-21 February 2016.

Vilos A, Abou Raffa B, **Ternamian A**. Randomized comparison of Veress needle intraperitoneal insertion at umbilicus versus left upper quadrant. 44th AAGL Global Congress on Minimally Invasive Gynaecology. Las Vegas, NV, USA, 18 November 2015.

Wais M, **Gien LT**, **Bernardini MQQ**, Jiminez W, **Murji A**. A Multi-center Retrospective Review of Clinical Characteristics of Uterine Sarcoma. 44th \AAGL Global Congress on Minimally Invasive Gynaecology. Las Vegas, NV, USA, 17 November 2015.

Wais M, Tepperman E, **Bernardini MQQ**, **Gien LT**, Jimenez W, Rouzbahman M, Han G, Cellini I, **Murji A**. A multicenter retrospective review of clinical characteristics of uterine sarcoma. AAGL 12th International Congress on Minimally Invasive Gynaecology. Las Vegas, NV, USA, November 2015.

Weis CA, Ngo K, Huynh T, Leung J, Draper C, Tavares P, Landsman V, **Barrett JFR**. Prevalence of low back pain, pelvic girdle pain, and combination pain in a pregnant Canadian population. ACC-RAC Conference. Orlando, FL, USA, 19 March 2016.

Weyman K, Bernstein S, Lazor J, Leslie K, **Meffe F**. A Comprehensive Approach to Faculty Development to Support Implementation of a New LIC (Longitudinal Integrated Clerkship) in a Large Urban Academic Centre: Key components and Strategies. Consortium for Longitudinal Integrated Clerkships (CLIC) 2015. Durham, NC, USA, 5 October 2015.

Whiteley J, Chow T, **Rogers IM**. Decellularized murine and porcine kidneys used as a three-dimensional substrate for in vitro culture of whole organs. International Society for Stem Cell Research 2016. San Francisco, CA, USA, 24 June 2016.

**Yudin MH**, Mistry N, De Souza L, Besel K, Patel V, Blanco Mejia S, Bernick R, Ryan V, Urquia M, Beigi R, Moniz M, **Sgro M**. Text message reminders do not increase the likelihood of influenza vaccination among pregnant women. Infectious Diseases Society for Obstetrics and Gynaecology (IDSOG), Annual Scientific Meeting. Portland, OR, USA, 6-8 August 2015.

Ziarko I, Baud D, **Windrim R**, **Keunen J**, **Ryan G**. Severe Twin-Twin Transfusion Syndrome: Fetoscopic placental laser ablation The impact of maternal BMI on operative and perinatal outcome . The British Maternal and Fetal Medicine Society 18th British Perinatology Meeting. Birmingham, United Kingdom, April 2016.

## **ABSTRACT PRESENTATIONS - NATIONAL**

**Asztalos EV**, **Hannah M**, Hutton E, Willan A, Alexander A, Armson A, Gafni A, Joseph KS, Ohlsson A, Ross S, **Barrett JFR**. Twin Birth Study: 2-year neurodevelopmental follow-up of the randomized trial of planned Caesarean or planned vaginal delivery for twin pregnancy. Canadian National Perinatal Research Meeting. Banff, AB, Canada, 13 February 2016.

Bishop L, Olibris B, Kahan M, **Jumah NA**. Substance use in pregnancy and parenting: an environmental scan of services in Northwestern Ontario. International Conference on Community Engaged Medical Education in the North (ICEMEN) 2016. Sault Ste Marie, ON, Canada, 24 June 2016.

**Bocking AD**, Junker A, Fraser W, Fortier I, Atkinson S. The Power of Pregnancy and Birth Cohorts: Leveraging the Canadian Experience through the Maternal, Infant, Child and Youth Research Network. Canadian National Perinatal Research Meeting. Banff, AB, Canada, February 2016.

**Bouchard-Fortier G**, Kim R, Clarke B, **Allen L**, **Bernardini MQ**, **Ferguson A**, **Laframboise S**, Gupta A, **May T**. Fertilitysparing surgery for the management of young women with embryonal rhabdomyosarcoma of the cervix". The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, 16 June 2016.

**Casper RF**, Dela Cruz DB, **Bentov Y**, **Chang P**, **Dixon M**, **Weisberg F**, Szepticki J. Intracytoplasmic sperm injection with the addition of autologous mitochondria from egg precursors cells. Canadian Fertility and Andrology Society, Annual Meeting. Halifax, NS, Canada, 3 October 2015.

**Casper RF**, Mitri F, Klement H, **Bentov Y**, **Chang P, Nayot D**, McLeod A. Do women with endometriosis have a bleeding disorder? Evidence from a case-control study. Canadian Fertility and Andrology Society, Annual Meeting. Halifax, NS, Canada, 2 October 2015.

Chow T, Sambi M, Whiteley J, Monetti C, Li M, Liang Q, Tonge P, **Nagy A**, **Rogers IM**. Directed differentiation of pluripotent stem cells and direct conversion of adult somatic cells to renal progenitors. Till and McCulloch Meetings. Toronto, ON, Canada, 26-28 October 2015.

Christakis M, **Shore EM**, **McDermott CM**. Female Pelvic Medicine and Reconstructive Surgery in Canada: A Survey of Obstetrician-Gynaecologists and Urologists. The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, 15 June 2016.

Dai S, **May T**, Nahas S, **Murphy J**, Feigenberg T. The Impact of Pre-Operative CT Imaging on the Management of Patients Diagnosed with High Grade Endometrial Cancer". The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, 16 June 2016.

**D'Souza R**, Ostro J, Shah P, **Silversides C**, **Malinowski A**, **Murphy K**, **Sermer M**, Shehata N. Contemporary Methods of Anticoagulation for Pregnant Women with Mechanical Heart Valves: a systematic review. CIHR Canadian Student Health Research Forum. Winnipeg, MB, Canada, 6-8 June 2016.

El-Chaar D, Gouin K, **Seaward G**, **Windrim R**, **Keunen J**, Kachura J, Beecroft P, **Shah R**, **Ryan G**. Cord occlusion in complicated monochorionic multiple pregnancies: a comparison of techniques. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 13 October 2015.

Ghasemi F, Wright E, Yampolsky M, Shah P, **Keating S**, **Windrim R**, **Kingdom J**. Second trimester prediction of placental disesae versus pre-eclampsia-SGA outcomes in nulliparous women. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 12 October 2015.

Gibbings N, **Barrett JFR**, **Cohen H**, **Hui D**, Ladhani L, **Melamed N**, **Berndl A**. Quality assessment: Utilization and documentation of the Bishop Score at the time of induction of Labour. Canadian National Perinatal Research Meeting. Banff, AB, Canada, February 2016.

Greene S, Underhill A, Kennedy VL, Lewis J, Stanley D, Ion A, **Yudin MH**, Loutfy M. A message from MoM: antioppressive approaches to clinical HIV care throughout pregnancy, birth and motherhood. Canadian Conference on HIV/AIDS Research (CAHR), Annual Clinical Meeting. Winnipeg, MB, Canada, 12-15 May 2016.

Hacibekiroglu S, Michael IP, Westenskow P, Ballios B, Mitrousis N, Tuo J, Chan CC, van der Kooy D, Shoichet M, Friedlander M, **Nagy A**. "Smart" Cell-based Therapy towards the Treatment of Ocular Neovascularization. Lunenfeld-Tanenbaum Research Institute Annual Scientific Retreat, YMCA Geneva Park Conference Centre. Orillia, ON, Canada, 16 May 2016.

Hacibekiroglu S, Michael IP, Westenskow P, Ballios B, Mitrousis N, Tuo J, Chan CC, van der Kooy D, Shoichet M, Friedlander M, **Nagy A**. "Smart" Cell-based Therapy towards the Treatment of Ocular Neovascularization. Till and McCulloch Meetings. Toronto, ON, Canada, 26-28 October 2015.

Hogen L, **Bernardini MQQ**, **Rosen B**, Bassiouny D, Le L, **Vicus D**. A retrospective study aiming to assess the impact of adjuvant radiation on survival in patients with stage I and II Clear cell ovarian cancer, and in a high-risk subset of patients. GOC 37th Annual General Meeting. Vancouver, BC, Canada, 16-18 June 2016.

Hogen L, **Thomas G**, **Bernardini MQ**, Bassiouny D, **Gien LT**, **Rosen B**, Le L, **Vicus D**. Early stage clear cell ovarian carcinoma and the effect of adjuvant radiation on survival. The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, June 2016.

Hogen L, **Vicus D**, Bassiouny D, **Rosen B**, Le L, **Gien LT**, **Bernardini MQ**. Is Adjuvant Treatment Beneficial For Surgical Stage I Ovarian Clear Cell Carcinoma? The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, June 2016.

Ion A, Greene S, **Yudin MH**, **Murphy KE**, Smail L, Walmsley S, Carvalhal A, Loutfy M. Socio-demographic and Clinical Predictors of Preterm Births and Low Infant Birth Weight among Women Living with HIV in Ontario, Canada. 8th IAS Conference on HIV Pathogenesis. Vancouver, BC, Canada, 19 July 2015.



Jaeggi E, Golding F, **Laskin C**, **Kingdom J**, Silverman E, Kan N. Risk based prenatal monitoring for immune mediated fetal heart disease: a prospective 5-year experience. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 14 October 2015.

Jivraj N, Papadakos J, **Ferguson S**, Gallagher L, Abdelmutti N, Tinker L. Empowering Patients and Caregivers with Knowledge: The Development of a Nurse-Led Gynaecologic Oncology Chemotherapy Class. Canadian Association of Nurses in Oncology. Toronto, ON, Canada, 7 October 2015.

**Jones CA**, Adams S, Loizides L, Hood M, Crerar C, Nissenbaum R, **Berger H**. The effect of antenatal corticosteroids on the fetal thymus. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, October 2015.

**Jones CA**, Garbedian K, **Dixon M**, **Shapiro H**. The effect of endometrial shedding with medroxyprogesterone acetate prior to ovulation induction with clomiphene citrate in oligo-ovulatory and anovulatory women: a pilot study. Canadian Fertility and Andrology Society Annual Clinical Meeting. Halifax, NS, Canada, 3 October 2015.

**Jumah NA**, Bishop L. Environmental Scan of Services Available to Pregnant and Parenting women in Northwestern Ontario. Thunder Bay Drug Strategy Maternal and Child Working Group Workshop. Thunder Bay, ON, Canada, 25 April 2016.

**Jumah NA**, Bishop L, Sapdoni M, Wanakamik Y, Armstrong T, Richardson L. Hearing Our Voices: An Indigenous Women's Reproductive Health Curriculum. Northern Health Research Conference 2016. Sault Ste Marie, ON, Canada, 23 June 2016.

**Jumah NA**, Mamakwa S. Academic and Community Partnerships in Indigenous Women's Health. Indigenous Health Conference, Sault Ste. Marie, ON, Canada, 23 June 2016.

Khan S, McConnell M, Kennedy VL, **Yudin MH**, Smieja M, Thabane L, Loutfy M, Read S, Bitnun A. Attitudes and practices of Canadian healthcare providers on breastfeeding by HIV-infected women. Canadian Conference on HIV/AIDS Research (CAHR), Annual Clinical Meeting. Winnipeg, MB, Canada, 12-15 May 2016.

Khan S, McConnell M, Kennedy VL, **Yudin MH**, Smieja M, Thabane L, Loutfy M, Read S, Bitnun A. Canadian health care provider knowledge on breastfeeding by HIV-infected women. Canadian Conference on HIV/AIDS Research (CAHR), Annual Clinical Meeting. Winnipeg, MB, Canada, 12-15 May 2016.

Keshmiri R, Ion A, Greene S, **Yudin MH**, **Murphy KE**, Smaill F, Walmsley S, Carvalhal A, Loufty M. HIV + Mothering Study. IAS, 2nd International HIV/Viral Hepatitis Co-Infection Satellite Meeting. Vancouver, BC, Canada, July 2015.

Lau E, Samson L, Brophy J, Campbell D, **Yudin MH**, **Murphy KE**, Seto W, Colantonio D, Read S, Kakkar F, Bitnun A. Nevirapine pharmacokinetics in HIV-exposed neonates receiving triple combination antiretroviral therapy as post-exposure prophylaxis. Canadian Conference on HIV/AIDS Research (CAHR), Annual Clinical Meeting. Winnipeg, MB, Canada, 12-15 May 2016.

Leong Y, Kotani S, Best C, **Diamond P**, **Lovatsis D**, **Drutz H**. The effect of preoperative waiting time on the quality of life of urogynaecology patients. Annual meeting of the International Continence Society. Montreal, QC, Canada, October 2015.

Liang Q, Monetti C, Michael IP, Tonge P, **Nagy A**. Identification and targeting of a tightly controlled, Highly activatable, doxycycline inducible genomic locus. Till and McCulloch Meetings. Toronto, ON, Canada, 26-28 October 2015.

Lutsiv O, Park C, Shah P, Biringer A, Saito S, Cook J, Vera C, **Barrett JFR**, Chamberlain J, Dodd J, Giglia L, Lopez-Yarto M, Mundle W, Sabatino L, Staub K, Han Z, Wang Y, Yu J. What is the best intervention for preventing preterm birth: progesterone, cerclage or pessary? A systematic review and network meta-analysis. Society of Obstetricians and Gynaecologists of Canada 72nd Annual Clinical and Scientific Conference. Vancouver, BC, Canada, 17June 2016. Massumi M, Pourasgari F, Nagy K, Chiu A, Wheeler M, Nagy A. Direct reprogramming of fibroblast into insulinproducing cells. Till and McCulloch Meetings. Toronto, ON, Canada, 26-28 October 2015.

Maude-Morency A, Propst E, Pantazi S, **Windrim R**, Keunen H, **Seaward G**, Moore A, **Ryan G**. Fetoscopic balloon tracheal dilatation for CHAOS. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 13 October 2015.

**Maxwell C**, McDonald S, **Mei-Dan E**, **Murphy KE**, **Carvalho J**, **Asztalos EV**, **Melamed N**, **Barrett JFR**, Obesity Project Collaborative Group. Mode of delivery in women with extreme obesity: planned vaginal delivery compared with planned caesarean section. Society of Obstetricians and Gynaecologists of Canada 72nd Annual Clinical and Scientific Conference. Vancouver, BC, Canada, 14-17 June 2016.

**May T**, Altman A, McGee J, Song Y, Xu W, Lane K, Ghatage P, **Rosen B**. The State of Ovarian Cancer- A Cross Country Study. The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, 16 June 2016.

**Meffe F**, Lazor F, Weyman K, Innes L, Bernstein S. Faculty Development for an Urban Longitudinal Integrated Clerkship: Lessons Learned from a Pilot Paves the Way for the Development of a Distributed, Comprehensive, Multi-Site Strategy. Canadian Conference on Medical Education (CCME) 2016. Montreal, QC, Canada, 18 April 2016.

Mehta S, Al-Ibrahim A, Mittal A, O'Brien K, Unger S, **Seaward G**, **Windrim R**, Chiu P, Cutz E, **Ryan G**. Correlation between ultrasound, x-ray and CT scan with histopathology in antenatally diagnosed cases of congenital pulmonary airway malformation (CPAM). ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, October 2015.

**Mei-Dan E**, **Asztalos EV**, **Melamed N**, Willan AR, **Barrett JFR**. Cesarean versus vaginal delivery for women in spontaneous labor of twin pregnancy: A secondary analysis of the Twin Birth Study. Society of Obstetricians and Gynaecologists of Canada – 72nd Annual Clinical and Scientific Conference. Vancouver, BC, Canada, 14-17 June 2016.

**Mei-Dan E**, **Asztalos EV**, **Melamed N**, Willan AR, **Barrett JFR**. Induction of labor versus cesarean section for twin pregnancy: A secondary analysis of the Twin Birth Study. SOGC 72nd Annual Clinical and Scientific Conference. Vancouver, BC, Canada, 14-17 June 2016.

**Melamed N**, **Ryan G**, **Windrim R**, **Toi A**, **Kingdom J**. Choice of Formula and the Accuracy of Fetal Weight Estimation in Small for Gestational Age Fetuses. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 13 October 2015.

**Melamed N**, **Ryan G**, **Windrim R**, **Toi A**, **Kingdom J**. Sonographic weight estimation of small-for-gestational age fetuses: is the optimal model related to fetal body proportions. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 13 October 2015.

**Melamed N, Pittini A, Nevo O, Glanc P, Barret JFR**. Serial Measurements of Cervical Length in Twin Pregnancies - How Should We Interpret and Integrate Information? Identification of Four Distinct Patterns. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 13 October 2015.

**Melamed N, Pittini A, Nevo O, Glanc P, Barret JFR**. Serial Cervical Length Measurements in Twin Gestations Improves the Predictive Accuracy for Preterm Birth. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 13 October 2015.

Morency A, Abbasi N, Chiu P, **Windrim R**, **Ryan G**. Successful fetal Sclerotherapy for large CCAM. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 13 October 2015.

Morency A, Blaser S, **Keunen J**, **Windrim R**, **Seaward G**, **Ryan G**. Are serial MRIs of any value in the assessment of cerebral ischemic injury following co-twin demise? ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 12 October 2015.



Morency A, Blaser S, Robinson A, **Keunen J**, **Windrim R**, **Ryan G**. Is neurosonography predictive of MRI findings after co-twin demise in OC08.06 monochorionic pregnancies? ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 13 October 2015.

Morency A, Hodges R, **Keunen J**, **Windrim R**, **Seaward G**, **Ryan G**. Stage-based outcomes for 400 cases of TTTS managed with fetoscopic laser ablation of placental anastomoses. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 13 October 2015.

**Moskovtsev S**, Shlush E, Mackie P, Swanson S, Filice M, **Librach CL**. Comparison of Exosome Surface Proteins in Semen Samples from Men with Normozoospermia and Asthenozoospermia. Canadian Fertility and Andrology Society. Halifax, NS, Canada, 3 October 2015.

**Murji A**, Luketic L. Uterine Sarcoma in Women Undergoing Fibroid Surgery: A Population-Based Cohort Study. The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, 17 June 2016.

**Murji A**, Luketic L. Cystoscopy In A World Without Indigo Carmine. Society of Obstetricians and Gynaecologists of Canada – 72nd Annual Clinical and Scientific Conference. Vancouver, BC, Canada, 15 June 2016.

Nadeem L, **Shynlova O**, Mesiano S, **Dong X**, **Lye S**. Progesterone paradoxically promotes myometrial gap junction coupling through its PRA isoform. 63rd Annual Meeting of the Society for Reproductive Investigation (former SGI). Montreal, QC, Canada. March 2016.

Neely E, **Nagy A**. Development of local acting biologics for combined stem cell and gene therapy to treat arthritis. Till and McCulloch Meetings. Toronto, ON, Canada, 26-28 October 2015.

Nguyen J, **Bouchard-Fortier G**, **Bernardini MQ**, Atenafu E, Han G, **Vicus D**, **Ferguson S**, **Gien LT**. Uterine clear cell carcinoma: Does adjuvant chemotherapy improve outcomes? The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, 16 June 2016.

Nguyen JMV, **Bouchard-Fortier G**, **Bernardini MQ**, Han G, **Gien LT**. Uterine clear cell carcinomas: does adjuvant chemotherapy improve outcomes? Association of Academic Professionals in Obstetrics and Gynaecology in Canada (APOG). Toronto, ON, Canada, 4 December 2015.

Nguyen J, **Bouchard-Fortier G**, **Ferguson S**, **Covens A**. How Common is the Growing Teratoma Syndrome in Patients with Ovarian Immature Teratoma? Society of Gynaecologic Oncology of Canada 37th Annual General Meeting. Vancouver, BC, Canada, 16 June 2016.

Okby R, Freeman H, **Rosen H**, **Nevo O**, **Barret JFR**, **Melamed N**. Fetal Growth Pattern in Twin pregnancies. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 13 October 2015.

Paterson N, Mahdavi A, **Greenblatt E**. Effect of Increased Body Mass on Reproductive Outcomes with Infertility Treatments: A Prospective Matched Case: Control Study. Canadian Fertility and Andrology Society, Annual Meeting. Halifax, NS, Canada, 3 October 2015.

Peterson L, Rusticus S, Wilson D, Eva K, **Pittini R**, Schreiber M, Pinchin S, Moffatt S, Sargeant J, Warren A. Using the readiness for clerkship and residency surveys to evaluate the effectiveness of four MD programs. Canadian Conference on Medical Education (CCME) 2016. Montreal, QC, Canada, 17 April 2016.

**Pittini R**, Howard F, Bernstein S. The impact of harmonizing teacher assessment on narrative feedback at the University of Toronto. Canadian Conference on Medical Education (CCME) 2016. Montreal, QC, Canada, 18 April 2016.

**Pittini R**, Lazor J, Kulesagaram M, Schreiber M, Bryden P, Law M. The Role of Assessment in Curriculum Renewal: A Case Study of a Constructivist Alignment Approach. Canadian Conference on Medical Education (CCME) 2016. Montreal, QC, Canada, 19 April 2016. Po L, Lee P. The Risks of Power Morcellation with Fibroid Surgery: The Patient's Perspective. 2016 Society of Obstetricians and Gynaecologists of Canada Annual Clinical Meeting. Vancouver, BC, Canada, June 2016.

Raeside A, Handa M, Dalmacio M, **Spitzer, R**. Innovative Prenatal Care Partnerships for Medically Uninsured Women. Canadian Association of Midwives Annual Meeting. Montreal, QC, Canada, November 2015.

Rahman A, Zhou YQ, Cahill L, **Seed M**, **Kingdom J**, Macgowan C, Sled J. Detecting placental pathology based on umbilical artery wave mechanics. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 14 October 2015.

Ronzoni S, **Rosen H**, **Farine D**, **Maxwell C**. Cesarean Delivery for Failure to Progress in Nulliparae Undergoing Induction of Labor: Is the Length of Labor Affected By Maternal Body Mass Index? 13th International Congress on Obesity. Vancouver, BC, Canada, 3 May 2016.

**Rosen H**, Okby R, Freeman H, **Nevo O**, **Glanc P**, **Barrett JFR**, **Melamed N**. The Predictive Value of Sonographic Cervical Length in Triplet Pregnancies. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynae-cology. Montreal, QC, Canada, October 2015.

**Rosen H**, Ronzoni S, Man Lee Y, Gotha L, Perelman S, **Windrim R**. Simulator Based Obstetric Ultrasound Training: A Prospective Randomized Blinded Study. The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, 15 June 2016.

Ryan H, Payne B, Wally K, Aarvoid A, Cundiff G, Hutcvheon J, Lisonkova S, Lee T, Sumedha S, Yong P, Ansermino M, **Seaward G**, Lapinsky S, Zulfiqar B, Qureshi R, Vasquez D, Gazevoort JW, Mol BWJ, Shou V, Duan T, **Geary M**, Bowen M, McAuliffe F, O'Herlihy C, Togal T, Oktay D, Lataifeh I, Ramzy T, Wallace E, Crozier T, Goffman D. Risk prediction modelling for obstetric women in intensive care - the Collaborative Integrated Pregnancy High-dependency Estimate of Risk (CIPHER) global study. 21st FIGO - XXI FIGO World Congress of Gynaecology and Obstetrics, Vancouver, British Columbia, Canada. Vancouver, Canada 4–9 October 2015.

Sheinis M, **Selk A**. Ignorance Is Bliss: Women's Knowledge Regarding Age-related Pregnancy Risks. The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, 15 June 2016.

Sheinis M, **Selk A**. Patient Knowledge Regarding Prenatal Screening Options for Trisomy 21: A Canadian Hospital's Experience. The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, 15 June 2016.

**Shynlova O**, Leong Y, **Drutz H**, **Alarab M**. Local Estrogen Therapy modulates immune response in vaginal tissue of postmenopausal women. 63rd Annual Meeting of the Society for Reproductive Investigation (former SGI). Montreal, QC, Canada, March 2016.

Sivabalasundaram V, Langlois J, **Derzko C**, Wolfs M, Hanna A. Perimenopausal Hirsutism : Diagnostic Work-up of six cases. Canadian Society of Endocrinology and Metabolism (CSEM) 18th Annual Meeting. Vancouver, BC, Canada, 2015 October.

Sun L, Macgowan CK, Sled JG, Yoo SJ, Manlhiot C, Porayette P, Grosse-Wortmann L, Jaeggi E, McCrindle BW, **Kingdom J**, Hickey E, Miller S, **Seed M**. Reduced fetal cerebral oxygen consumption is associated with smaller brain size in fetuses with congenital heart disease. ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, October 2015.

Tone A, Stewart J, Virtanen C, **Bernardini MQ**, **Ferguson S**, **Laframboise S**, **Oza A**, **Brown T**, **May T**. Examining selection for resistant clones in high-grade serous ovarian cancer after neoadjuvant chemotherapy. The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, 16 June 2016.

Tone A, Stewart J, Virtanen C, **Bernardini MQ**, **Ferguson S**, **Laframboise S**, **Oza A**, **Brown T**, **May T**. The effects of chemotherapy exposure on clonal resistance in high-grade serous ovarian cancer. The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, 16 June 2016.



Vicus D, Shier M, Gien LT, Covens A, Kupets R, Tinmouth J, Salit I, Ghorab Z. Anal dysplasia in women with high-grade cervical dysplasia and cervical cancer; is it time to start screening with cytology and adjunct hrHPV testing? The Society of Gynaecologic Oncologists of Canada 37th Annual General Meeting. Vancouver, BC, Canada, June 2016.

Vitner D, **Farine D**, **Maxwell C**. Obesity In Pregnancy- A review of SOGC, ACOG, RCOG and RANZCOG guidelines. 13th International Congress On Obesity. Vancouver, BC, Canada, 1 May 2016.

Wais M, **Kives S**, **Lee S**, **Liu G**, **Pham A**, **Murji A**. Does Medical Pre-treatment of Fibroids With Ulipristal Acetate Affect the Surgical Experience at Myomectomy? Society of Obstetricians and Gynaecologists of Canada - 72nd Annual Clinical and Scientific Conference. Vancouver, BC, Canada, 15 June 2016.

**Wong J**, Rosen H, **Nevo O**, **Asztalos E**, **Barret JFR**, **Melamed N**. What is the Likelihood of Spontaneous Change of Fetal Presentation Following 3rd Trimester Ultrasound in Twin Pregnancies? ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynaecology, Montreal, QC, Canada, October 2015.

Yang H, **Rogers IM**. iPSC-derived thymic epithelial progenitors differentiation for development of mice with personalized immune systems. Till and McCulloch Meetings. Toronto, ON, Canada, 26-28 October 2015.

Yousuf A, **Satkunaratnam A**, **Frecker H**, **Shore EM**. The Development of a Retroperitoneal Dissection Model. Society of Obstetricians and Gynaecologists of Canada 72nd Annual Clinical and Scientific Conference. Vancouver, BC, Canada, 15 June 2016.

**Yudin MH**, Caprara D, MacGillivray SJ, Urquia M, **Shah R**. Sonographic abnormalities among a cohort of wellcontrolled HIV-positive pregnant women. International Society of Ultrasound in Obstetrics and Gynaecology (ISUOG) 25th World Congress. Montreal, QC, Canada, 11-14 October 2015.

Zhu M, Milligan N, **Keating S, Windrim R, Keunen J**, Thakur V, Ohman A, Portnoy S, Sled JG, Kelly E, Yoo S-J, Grosse-Wortmann L, Jaeggi E, Macgowan CK, **Kingdom JC**, **Seed M**. Fetal hemodynamic assessment by MRI for detecting late onset intrauterine growth restriction. ISUOG'S 25th World Congress on Ultrasound in Obstetrics and Gynaecology. Montreal, QC, Canada, 13 October 2015.

### **ABSTRACT PRESENTATIONS - LOCAL**

Balogun K, Kala S, Siou K, Papp E, Mohammadi H, Guzman M, Lu J, Loutfy M, **Yudin MH**, **Murphy KE**, Walmsley S, **Shah R**, MacGillivray SJ, Silverman M, Serghides L. HIV and antiretrovirals: understanding the mechanisms that contribute to adverse birth outcomes in HIV-positive women- a review of the past 5 years. 5th Annual Interdisciplinary HIV Pregnancy Research Group (IHPREG) Conference. Toronto, ON, Canada, 26 May 2016.

Bapat P, Pinto LSR, Lubetsky A, Aleksa K, **Berger H**, Koren G, Ito S. Evaluating the Transplacental Transfer of Apixaban using a dually perdused isolated human placental lobule. University of Toronto Department of Obstetrics and Gynaecology, 32nd Annual Research Day. Toronto, ON, Canada, 13 May 2016.

Carpe N, Sheinis M, Gold S, **Selk A**. Ignorance Is Bliss: Women's Knowledge Regarding Age-Related Pregnancy Risks. University of Toronto Faculty of Medicine - Medical Student Research Day. Toronto, ON, Canada, 29 January 2016.

Cheung P, Shehata N, **Murphy KE**, Malinowski A. Differences in Umbilical Cord Gas Values in Neonates of Mothers with SCD in Comparison to Neonates of Non-Affected Mothers. University of Toronto Department of Obstetrics and Gynaecology, 32nd Annual Research Day. Toronto, ON, Canada, 13 May 2016.

Classen C, Drozd A, Chivers M, **Ferguson S**, Barbera L, Skelding L, O'Meara Y, Roelfsema L, Brotton L, Robinson J, Carter J, Koval J. GyneGals: Lessons learned from an online support group for gynaecologic cancer patients. American Psychological Society. Toronto, ON, Canada, 8 Aug 2015.

Christakis M, **Shore EM**, **McDermott CM**. Female Pelvic Medicine and Reconstructive Surgery in Canada: A Survey of Obstetrician-Gynaecologists and Urologists. Association of Professors of Obstetrics and Gynaecology. Toronto, ON, Canada, 5 December 2015.

Christakis M, **Shore EM**, **McDermott CM**. Female pelvic medicine and reconstructive surgery in Canada: A survey of obstetrician-gynaecologists and urologists. University of Toronto Department of Obstetrics and Gynaecology, 32nd Annual Research Day. Toronto, ON, Canada, 13 May 2016.

De Guia L, De Souza LR, Yang C, **Barrett JFR**, **Berger H**, **Lausman A**, **Geary M**. Obstetrics Anal Sphincter Injury (OASIS): Pre-training baseline data on incidence and risk factors from 18 hospitals across the Greater Toronto Area. University of Toronto Department of Obstetrics and Gynaecology, 32nd Annual Research Day. Toronto, ON, Canada, 13 May 2016.

De Guia L, De Souza LR, Yang C, **Freire-Lizama T**, Adams S, **Berger H**, **Barrett JFR**, Campbell D, **Sgro M**, Maguire J, **Ray J**, Ruiter J, **Windrim R**, **Geary M**. Pre Simulation Training Program: Baseline Data of Shoulder Dystocia and Brachial Plexus injury across the Greater Toronto area hospitals. APOG, 44th Annual Meeting. Toronto, ON, Canada, December 2015.

De Guia L, **Geary M**, De Souza LR, **Freire-Lizama T**, Adams S, **Berger H**, **Barrett JFR**, **Windrim R**. Baseline Data of Shoulder Dystocia and Brachial Plexus Injury across Greater Toronto Area hospitals prior to commencing a simulation training program. University of Toronto Department of Obstetrics and Gynaecology, 32nd Annual Research Day. Toronto, ON, Canada, 13 May 2016.

Farine T, Dunk C, **Shynlova O**, **Lye S**. Comparative Characteristics of myometrial and decidual chemokines responsible for the infiltration of peripheral leukocytes during human labour. University of Toronto Department of Obstetrics and Gynaecology, 32nd Annual Research Day. Toronto, ON, Canada, 13 May 2016.

Farine T, Dunk C, **Shynlova O**, **Lye S**. Comparative Characteristics of myometrial and decidual chemokines responsible for the infiltration of peripheral leukocytes during human labour. University of Toronto Department of Physiology, Annual Research Day. Toronto, ON, Canada, 11-12 May, 2016.

Gibbings N, **Barrett JFR**, **Cohen H**, **Hui D**, Ladhani L, **Melamed N**, **Berndl A**. Quality assessment: Utilization and documentation of the Bishop Score at the time of induction of Labour. APOG, 44th Annual Meeting. Toronto, ON, Canada, December 2015.

Gotz T, **Jones C**. Prioritization of Patients for Limited Funded IVF Cycles in Ontario. University of Toronto Department of Obstetrics and Gynaecology, 32nd Annual Research Day. Toronto, ON, Canada, 13 May 2016.

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## **COMMON ABBREVIATIONS**

AACR	American Association for Cancer Research
AAGL	American Association of Gynaecologic Laparoscopists
AAP	American Academy of Paediatrics
ABOG	American Board of Obstetrics and Gynaecology
ABU	American Board of Urology
ACOG	American Congress of Obstetricians and Gynaecologists
ACS	American Cancer Society
AEPC	Association for European Paediatric Cardiology
АНА	American Heart Association
AHFMR	Alberta Heritage Foundation for Medical Research
AHSC	Academic Health Sciences Centres
AIUM	American Institute of Ultrasound in Medicine
AMPATH	Academic Model Providing Access to Healthcare
APGO	Association of Professors of Gynaecology and Obstetrics
APOG	The Association of Academic Professionals in Obstetrics and Gynaecology of Canada
ASBMR	American Society for Bone and Mineral Research
ASCCP	American Society for Colposcopy and Cervical Pathology
ASCP	American Society for Clinical Pathology
ASCO	American Society of Clinical Oncology
ASHG	American Society of Human Genetics
ASRM	American Society for Reproductive Medicine
AWHONN	Association of Women's Heath, Obstetric and Neonatal Nurses
BICOG	British International Congress of Obstetrics and Gynaecology
CFAS	Canadian Fertility and Andrology Society
CAGS	Canadian Association of General Surgeons
CAHR	Canadian Association of HIV Research
CAHSPR	Canadian Association for Health Services and Policy Research
CanDIPS	Canadian Diabetes in Pregnancy Study Group
CANN	Canadian Association of Neonatal Nurses
CANPAGO	Canadian Paediatric and Adolescent Gynaecology and Obstetricians (SOGC)
CAPHC	Canadian Association of Paediatric Health Centres
CAPRI	Canadian Alliance for Paediatric Rheumatology Investigators
CAPSNet	Canadian Paediatric Surgery Network
CAR	Canadian Association of Radiologists
CaRMS	The Canadian Resident Matching Service
CARO/ACRO	Canadian Association of Radiation Oncology   Association canadienne de radio-oncologie
CBCF	Canadian Breast Cancer Foundation
CBCRA	Canadian Breast Cancer Research Alliance
CCASN	Canadian Congenital Anomalies Surveillance Network
CCC	Canadian Cardiovascular Congress
CCHCSP	Canadian Child Health Clinician Scientist Program
CFPC	College of Family Physicians of Canada
CCME	Canadian Conference on Medical Education
CCMG	Canadian College of Medical Geneticists
CCMS	Chinese Canadian Medical Society (Ontario)
CCO	Cancer Care Ontario

Canadian Conference on Ovarian Cancer Research CCOCR Canadian Cancer Society Research Institute CCSRI Canadian Diabetes Association CDA CEPD Continuing Education and Professional Development (University of Toronto) Canadian Epilepsy Research Initiative CFRI CFPC College of Family Physicians of Canada Centre for Fertility and Reproductive Care (MSH) CFRC Canada Health Infoway CHI Centre hospitalier universitaire Sainte-Justine CHU Canadian Institutes of Health Research CIHR The Centre for Minimal Access Surgery CMAS The Centre for Mother, Infant, and Child Research CMICR World Congress on Obstetrics, Gyanecology and Infertility COGI Colegio Mexicano de Especialistas en Ginecología y Obstetricia, A.C. COMEGO Clinical Oncological Society of Australia COSA Canadian Physiotherapy Association CPA Canadian Partnership Against Cancer CPAC Canadian Paediatric Society CPS Comprehensive Research Experience for Medical Students CREMS Council on Resident Education in Obstetrics and Gyanecology CRFOG Canadian Society of Endocrinology and Metabolism CSEM Canadian Society of Maternal Fetal Medicine CSMFM CSTM Canadian Society for Transfusion Medicine **CIHR Canadian HIV Trials Network** CTN Canadian Urologic Association CUA Diabetic Pregnancy Study Group DPSG EASD European Association for the Study of Diabetes European College of Neuropsychopharmacology ECNP EORTC European Organisation for Research and Treatment of Cancer European Placenta Group FPA European Society of Cardiology ESC European Society for Gynaecological Endoscopy ESGE European Society of Human Reproduction and Embryology FSHRF Federation of African Immunological Societies FAIS Federation of Asian and Oceania Perinatal Societies FAOPS Federation of Chinese American and Chinese Canadian Medical Societies FCMS International Federation of Gynaecology and Obstetrics FIGO Federation of Medical Women of Canada FMWC Facing Our Risk of Cancer Empowered FORCE Global Alliance to Prevent Prematurity and Stillbirth GAPPS The Society of Gynaecologic Oncology of Canada GOC Gynaecologic Oncology Group Ontario GOGO Gynaecologic Reproductive Endocrinology & Infertility GREI Health and Human Relations HHR Heart and Stroke Foundation of Ontario **HSFO** HUPO Human Proteome Organisation IBD Inflammatory Bowel Disease ICAAC Interscience Conference on Antimicrobial Agents and Chemotherapy The International Collaboration of Neonatal Networks ICONN ICS International Continence Society International Congress of Human Genetics ICHG IDSA Infectious Diseases Society of America



IDSOG Infectious Diseases Society for Obstetrics and Gynaecology Institute of Electrical and Electronics Engineers IEEE IFMSS The International Fetal Medicine and Surgery Society International Federation of Placenta Associations IFPA International Gynaecologic Oncology Robotic Symposium IGORS IGCS International Gynaecologic Cancer Society Institute of Human Development, Child and Youth Health IHDCYH IMS International Menopause Society An International Trial of Antioxidants in the Prevention of Preeclampsia INTAPP IPEG International Paediatric Endoscopy Group IPE Interprofessional Education IPOS International Psycho-Oncology Society International Skeletal Dysplasia Society ISDS ISMRM The International Society for Magnetic Resonance in Medicine International Society for Stem Cell Research ISSCR **ISSHP** The International Society for the Study of Hypertension in Pregnancy International Society for the Study of Trophoblastic Diseases ISSTD International Urogynaecological Association IUGA Local Health Integration Network LHIN Lunenfeld-Tanenbaum Research Institute LTRI **MEFS** Middle East Fertility Society Maternal Infant Child and Youth Research Network MICYRN Ministry of Health and Long-Term Care (Ontario) MOHLTC Mount Sinai Hospital MSH The North American Fetal Therapy Network NAFTNet North American Menopause Society NAMS North American Society of Obstetric Medicine NASOM NASPAG North American Society for Paediatric and Adolescent Gynaecology New European Surgical Academy NESA National Cancer Institute NCI NIDA National Institute on Drug Abuse National Institutes of Health NIH NSERC Natural Sciences and Engineering Research Council of Canada North York General Hospital NYGH The New York School of Regional Anesthesia NYSORA OCFP **Ontario College of Family Physicians** OGS/OGSST Ontario Graduate Scholarship/Ontario Graduate Scholarship in Science and Technology OHTAC Ontario Health Technology Advisory Committee Ontario Medical Association OMA Obstetric Anaesthetists' Association AOO OTIS Organization of Teratology Information Specialists Paediatric and Adolescent Gynaecology PAG Professional Association of Residents of Ontario PARO The Paediatric Academic Societies PAS Pacific Coast Reproductive Society PCRS PEBC Program in Evidence-Based Care PMH Princess Margaret Hospital Pacific Northwest Obstetrical and Gynaecological Association PNOGA Paediatric Oncology Group of Ontario POGO PREterm BIrth Collaborative PREBIC PSANZ Perinatal Society of Australia and New Zealand Physicians' Services Incorporated PSI

QBP RCOG RCT RCPSC RSNA SAEM SAGES SCMR SGI SGO SHSC SHUTC SIBEN SIECCAN SIR SJHC SK SLS SMFM SMH SMIG SOGC SOGIBA SOGS SOGT SOGS SOGT SORB SSR STGO STLHE TAHSN TEGH TWH UGSA UHN USCAP WAGO WEBC WFUMB	Quality-Based Procedures Royal College of Obstetricians and Gynaecologists (UK) Randomized Control Trials Royal College of Physicians and Surgeons of Canada Radiological Society of North America Society of American Gastrointestinal and Endoscopic Surgeons Society of Cardiovascular Magnetic Resonance Society of Cardiovascular Magnetic Resonance Society of Gynaecologic Investigation Society of Gynaecologic Investigation Society of Gynaecologic Oncology Sunnybrook Health Sciences Centre Sunnybrook Health Sciences Centre Clinicians' Management Services) SIBEN, the Sociedad Iberoamericana de Neonatología Sex Information and Education Council of Canada Society of Interventional Radiology St. Joseph's Health Centre SickKids Society of Interventional Radiology St. Joseph's Health Centre SickKids Society of Maternal-Fetal Medicine St. Michael's Hospital Society of Maternal-Fetal Medicine St. Michael's Hospital Society of Obstetricians and Gynaecologists of Canada Sociedad de Obstetricians and Gynaecologists of Toronto Southern Ontario Reproductive Biology Society of Obstetricians and Gynaecologists of Toronto Southern Ontario Reproductive Biology Society of Obstetricians and Gynaecologists of Toronto Southern Ontario Reproductive Biology Society for Teaching and Learning in Higher Education Turnisan Societies of Gynaecology and Obstetrics Society for Teaching and Learning in Higher Education Toronto Academic Health Science Network Toronto East General Hospital Toronto Western Hospital at UHN UroGynaecological Society of Australasia University Health Network United States and Canadian Academy of Pathology Western Association of Gynaecologic Concologists Weekend to End Breast Cancer World Federation for Ultrasound in Medicine and Biology
WEBC	Western Association of Gynaecologic Oncologists Weekend to End Breast Cancer

