



Obstetrics & Gynaecology  
UNIVERSITY OF TORONTO

# ANNUAL REPORT 2013-2014





# MISSION STATEMENT

## *Our MISSION*

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

## *Our VISION*

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

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Obstetrics & Gynaecology  
UNIVERSITY OF TORONTO

The Department is grateful to Miss Shayna Henry for creating the new format for our Annual Report. We would also like to thank the following individuals for their contributions:

Joe George  
Khrystyna Levytska  
Helen Robson  
Tina Xue

Common abbreviations used throughout the text are shown on pages 121 to 124.

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## CHAIR'S REPORT

*John C. Kingdom, Gordon C. Leitch Chair*

Welcome to our 2013-2014 Annual Report, the first for me in the exciting role as Department Chair. You will notice a new layout and design, thanks to Ms Shayna Henry, working under the expert guidance of Mrs. Helen Robson.

The year has seen many changes, and was marked by our relocation to 123 Edward Street, 12<sup>th</sup> floor, in May 2013, after more than 40 years in our former location at 92 College Street. We will miss much of the elegance and charm of that old Victorian home, yet grow to appreciate all that a modern single-floor Department has to offer both our Administrative Staff, as well as our various MD groupings. Our department is now co-located with Anesthesia, such that we can share best practices, and a newly-refurbished joint seminar room, with full video conferencing features, that can seat 40 people. I hope that many groups will use these much-improved facilities.

Our academic year began with a very successful Faculty Professional Development Day at Vaughan Estates. A new dimension to the event was the incorporation of a formal celebration of our newly-promoted Faculty, effective July 1<sup>st</sup>, 2013, including Drs. Jon Barrett and Joan Murphy to full Professor and Drs. Cynthia Maxwell, Howard Berger, and Danny Lovatsis to Associate Professor. Our department continues to have a strong track record in successful senior promotions, which affirms its vibrant nature. The event also recognized many individuals through the Chair's Awards and our Undergraduate Teaching Awards. These are listed in the report. This year, Dr. Guylaine Lefèbvre was our department's recipient of the APOG Carl Nimrod Educator of the Year Award for her superb instruction of Residents and Fellows in both Minimal Access and Pelvic Surgery.

Research Day in May was yet another success, in the tradition developed by our former Chairs, where we championed the diversity and strength of our research. I remember attending my first Research Day shortly after arriving in 1998, realizing that this event had greater content than many National meetings that I had previously attended in the UK. This year, we had nearly 100 abstract submissions. Professor Aidan Halligan, an Academic Obstetrician & Gynaecologist and former Deputy Chief Medical Officer in England, gave a captivating talk on "Rediscovering lost values: Leadership in a challenging clinical environment." The program and award winners are shown from page 99.

In June, we moved our Resident Graduation event from our traditional outdoor BBQ at The Estates of Sunnybrook to a more formal indoor event at the University of Toronto's Faculty Club. We included our graduating Fellows, and invited their family and special friends to attend. I met three very proud Grandmothers! Dr. Paul Bernstein gave the graduation address. Many individuals conveyed to me how much they enjoyed the evening, which will move to a larger space at Hart House next year.

*We have affirmed the central role of core specialists in ObGyn, and embraced a wide range of staff physicians, across all GTA hospitals.*

Throughout the Academic year, we conducted a Strategic Planning process with Ms Cate Creede and Mr. Danny Nashman man of The Potential Group. During this first year, the Department was pleased to welcome Ms Colleen Fox as our Strategy Coordinator. She worked closely with the Strategic Planning team and our Department Executive. Colleen made a huge contribution to the initial success of this process and has de-

parted for a new position at Princess Margaret Hospital shortly after our Strategic Plan Launch in May. We wish her well in her new position. Colleen was succeeded in this position by Ms Khrystyna Levytska.

I believe all of us have found this to be a surprisingly positive process with a central theme being the importance of coming together as a unified department. We have affirmed the central role of core specialists in ObGyn, and embraced a wide range of staff physicians across all GTA hospitals. The process involved all segments of the Department, and culminated in a Strategic Plan Launch at Pantages Hotel in May. A summary of the process can be found on page 21. Strategic Planning is a dynamic and evolving process; our implementation group will meet annually and we aim to publish our Strategic Plan in March 2015. As Chair, I encourage young faculty members to become engaged so as to develop their leadership abilities.

Our Education programs have entered a period of stability following a full set of reviews in the previous year. In the fall of 2013, our Department agreed to enter into a pilot program partnership with the Institute of Health Policy Management and Evaluation (IHPME) to develop their very successful undergraduate LEAD program for our Residency Training Program. Our Vice Chair of Education, Dr. Heather Shapiro, together with Drs. Geoff Anderson and Steini Brown at IHPME, are leading this initiative.

The year was marked by changes in leadership at two of our major sites, with Dr. Mathew Sermer being appointed as Chief at Mount Sinai Hospital, University Health Network and Women's College Hospital, and Dr. Arthur Zaltz being appointed as Chief at Sunnybrook Health Sciences Centre, each for initial 5 year terms. Dr. Rory Windrim replaced Dr. Fay Weisberg as our new Director of Professional Development, and has formed a joint committee with Dr. Filomena Meffe, who is our Director of Faculty Development. I thank Fay for her contributions under the leadership of our former Chair, Dr. Alan Bocking. Dr. Nanette Okun was chosen as the new Division Head for Maternal-Fetal Medicine. A new major initiative for our department, and the wider GTA, has been the creation of the "GTA-OBS Network," which is directed by Dr. Jon Barrett from Sunnybrook Health Sciences Centre.

Since 2007, a partnership with the Department of Reproductive Health at Moi University in Eldoret, Kenya has been fostered through the AMPATH Consortium. Through this partnership, we continue to collaborate with our colleagues at Moi University to bring ObGyn health care to areas of Western Kenya. By providing a broad range of care and services, and remaining committed to education and research, the program supports its goal of advancing maternal, newborn, and child health. This program has become an integral part of who we are and an initiative that we are rightly proud of – it sets us apart from many ObGyn departments, providing bi-directional exchange opportunities for all levels of trainees. To mark this commitment, I am pleased to present Dr. Rachel Spitzer as our first Vice-Chair, Global Women's Health. I am, therefore, very pleased to introduce a new section in the Department's Annual Report on our achievements in Eldoret. A comprehensive program description and update from this year can be found on page 39.

Quality Improvement and Patient Safety (QIPS) represents a new emerging segment of academic medicine. This subject is centrally important to our specialty. I am therefore pleased to present Dr. Gareth Seaward as our first Vice-Chair, QIPS.

I would also like to welcome the following individuals to the Department:

Mrinalini Balki – Obstetric Anesthesia, Mount Sinai Hospital

Karthika Devarajan – Obstetrics and Gynaecology, North York General Hospital

Phaedra Diamond – Urogynaecology and Obstetrics and Gynaecology, Rouge Valley Health System, Centenary Site

Tomer Feigenberg – Gynaecologic Oncology, Trillium Health Partners, Credit Valley Hospital

Taymaa May – Gynaecologic Oncology, Mount Sinai Hospital, University Health Network

Ally Murji – Minimal Access Surgery and Obstetrics and Gynaecology, Mount Sinai Hospital

The year was also marked by the retirement of Dr. Elliott Lyons at Mount Sinai Hospital and Dr. Derek Nicholson at North York General Hospital. Elliott came on staff in 1978 after undertaking a 1-year MFM fellowship position at the University of British Columbia, Vancouver, and was instrumental in the development of the Ob-Gyn program, including the recruitment of our former Chair and Mount Sinai Chief, Dr. JW Knox Ritchie. Elliott was a great teacher, a master of forceps, and led weekly M&M rounds with Paediatrics for many years.

Dr. Derek Nicholson retired after over 30 years as an outstanding ObGyn at NYGH and, before that, at the Toronto Western Hospital. He was trained at the University of Toronto and went on to be the President of both the Society of Obstetricians and Gynaecologists of Toronto (SOGT) and the Canadian Gynaecological Society. His wit, efficiency and skill with forceps will be missed.

On June 30<sup>th</sup>, 2013, Dr. Katherine MacRury, our Department Educator, retired from her half-time position with ObGyn. She continues with her half-time role in Undergraduate Medical Education. We thank Kathryn for her sustained contributions.

I sign off hoping that you will enjoy the new format of the Annual Report, and sense the collective pride we can all express for our achievements. Ours is a fabulously talented department, equally passionate about educational excellence as we are about all types of research. We serve the ever-changing clinical needs of women within one of the finest public-access medical schools worldwide, located in North America's 3<sup>rd</sup> largest metropolitan area. We have a great future together.

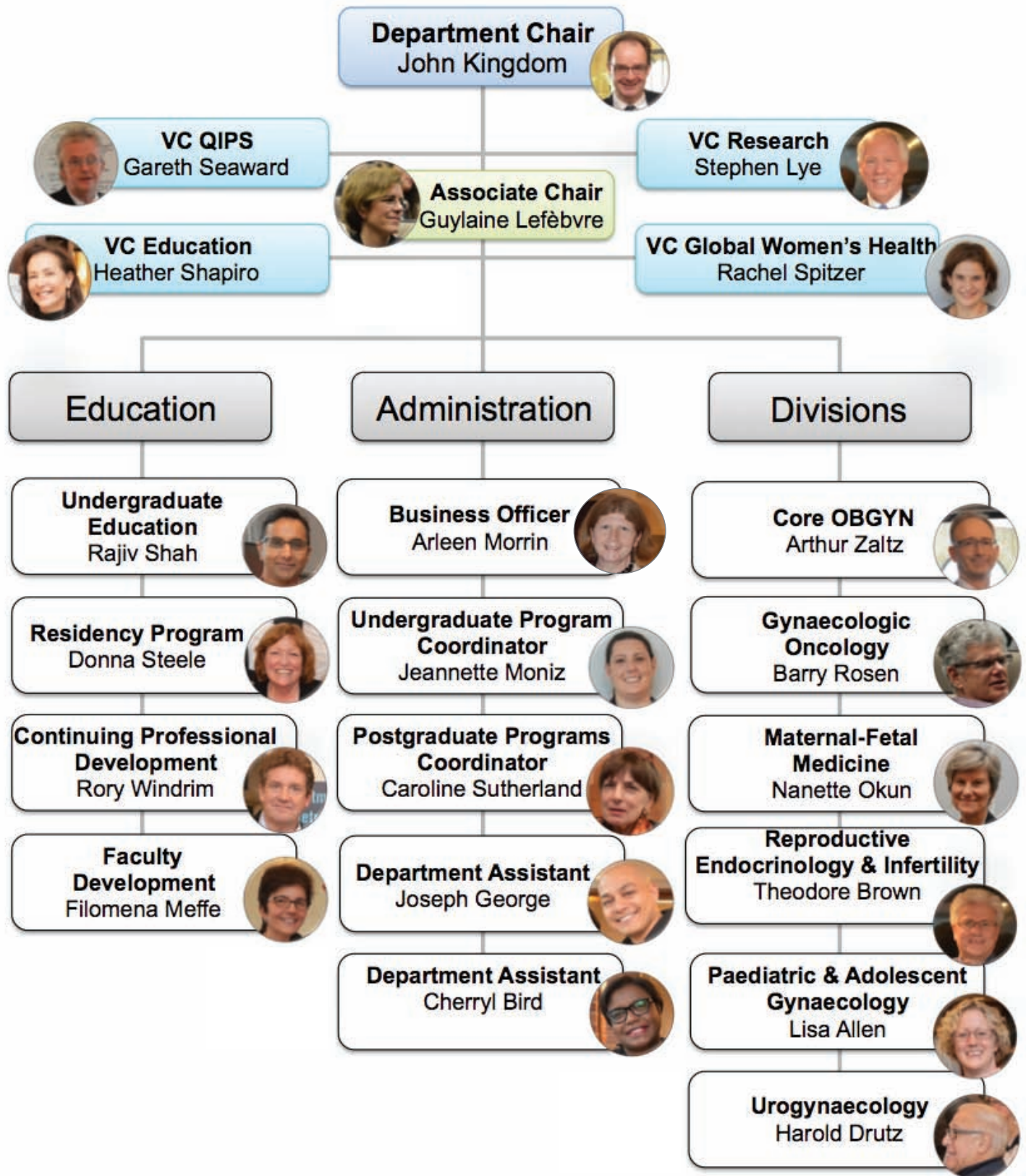
Yours sincerely,



John C.P. Kingdom, MD, FRCSC, FRCOG, MRCP (UK)  
Gordon C. Leitch Chair  
Department of Obstetrics and Gynaecology



# UNIVERSITY OF TORONTO OBSTETRICS & GYNAECOLOGY



## FACULTY 2013-2014

### PRIMARY APPOINTMENTS

#### Professors Emeriti

AD (Denny) De Petrillo	Ron A Livingstone
Douglas J Gare*	JE (Ted) Morgan
Mary E Hannah	Jerry Shime
Walter J Hannah	
Gordon M Lickrish	



#### Professors

S Lee Adamson	Harold Drutz	Barry Rosen
Jon Barrett	Dan Farine	Greg Ryan
Paul Bernstein	John Kingdom - Chair	P Gareth R Seaward
Jennifer Blake	Michelle Letarte	Mathew Sermer
Alan D Bocking	Guylaine Lefèbvre	R Michael Shier
Theodore J Brown	Stephen Lye	Rory Windrim
Isabella Caniggia	K Joan Murphy <sup>†</sup>	Wendy Wolfman <sup>†</sup>
Robert F Casper	Andras Nagy	
Allan L Covens	JW Knox Ritchie	

#### Associate Professors Emeriti

Titus Owolabi

#### Associate Professors

May Alarab <sup>†</sup>	Elaine Herer	Filomena Meffe
Lisa Allen	Andrea Jurisicova	Kellie E Murphy
Howard Berger	Sari Kives	Nanette Okun
Janet Bodley <sup>†</sup>	Rose Kung	Richard Pittini
Adrian Brown	Evelyn Lambe <sup>†</sup>	Heather Shapiro
Sarah Ferguson <sup>†</sup>	Clifford L Librach	Michael Sved
Alan Gerulath	Kay Lie	Artin Ternamian
James Goodwin	Danny Lovatsis	Mark Yudin
Ellen Greenblatt	Cynthia Maxwell	Arthur Zaltz



#### Assistant Professors

Hani Akoury	Dennis K. Chu	Frederic A Engle
Oluleke Badmos	E Anne Claessens	Navid Esfandiari
Marshall Barkin	Howard Cohen	Michèle Farrugia
Samir Batarseh*	Barbara Cruickshank	Tomer Feigenberg <sup>†</sup>
Yaakov Bentov	Marie Czikk	Tatiana Freire-Lizama
Marcus Bernardini	Marjorie Dixon	Lilian Gien
Nicolette Caccia	Jason Dodge	Karen Glass
Kenneth Cadesky	Xuesen Dong	Mathias Gysler
Astrid Christoffersen-Deb	Nancy Durand	Peter Hawrylyshyn
Karen Chong	William A Easton	Man Fan Ho

## Assistant Professors (continued)

Stephen Im  
 Johannes Keunen  
 Murray Kroach  
 Rachel Kupets  
 Elyse Lackie  
 Noor Ladhani  
 Stephane Laframboise  
 Andrea Lausman  
 Patricia Lee  
 Elyse Levinsky  
 Grace Liu  
 Kimberly Liu  
 Elliott Lyons\*  
 Katherine MacRury  
 Ann Kinga Malinowski  
 Adelmo Martoglio  
 Taymaa May†

Colleen McDermott  
 Eva Mocarski  
 Sergey Moskovtsev  
 Ally Murji †  
 Ori Nevo  
 Robert Derek Nicholson\*  
 Melanie Ornstein  
 L Ray Osborne  
 Wusun Paek  
 Nicholas Pairaudeau  
 Deborah Robertson  
 Ian Rogers  
 David Rosenthal  
 Amanda Selk  
 Rajiv Shah  
 Jodi Shapiro  
 Prati Sharma

Oksana Shynlova  
 Sony Sierra  
 Dana Soroka  
 Rachel Spitzer  
 Donna Steele  
 Wilf Steinberg  
 Karen Tessler  
 Bruce W Thomas  
 Jackie Thomas  
 Modupe Tunde-Byass  
 Danielle Vicus  
 Fay Weisberg  
 Wendy Whittle  
 Herb Wong  
 Suzanne Wong  
 Brenda T Woods



## Lecturers

Anjali Aggarwal  
 Rebecca Arthur  
 Clarissa Bambang  
 Ari Baratz  
 Dalip Kumar Bhangu  
 Veena Bonde  
 Yoav Brill  
 Melanie Caetano  
 David Caloia  
 Paul Chang  
 Nicole Cherry  
 Kelly Chu  
 Aleksandre Corbey  
 Catherine Ann Cowal  
 Jennifer Cram  
 Lanval (Joe) Daly  
 Alfonso Del Valle Rebeil  
 Karthika Devarajan†  
 Phaedra Diamond†  
 Anthony Di Pierdomenico  
 Patricia Doyle  
 Marianne R Duemler  
 Maja Gans  
 Dimitrios Giannoulas

Gwendolyn Goodrow  
 Beata Grygowski  
 Paul Gurland  
 Ronnie Hakim  
 Helen Ho  
 Dini Hui  
 Sybil Judah  
 Allan Kanee  
 Angela Kang  
 Yolanda Kirkham  
 Danny Kreichman  
 Jamie Kroft  
 Sabrina Lee  
 Sylvie Leone-Tomaschoff  
 Patrick M Liao  
 Terry Logaridis  
 Roberta Mackenzie  
 Tara MacLeod  
 Erica Mantay  
 Mary Melchior  
 Matthew Morton  
 Kerry Myckan  
 Alexandra Nevin Lam  
 Kendra Newell

Esther Park  
 Perry Phillips  
 Elin Raymond  
 Kimberly Rogers  
 Nathan Roth  
 Edward Ryan  
 Abheha Satkunaratham  
 Peter W. Scheufler  
 Nicholas Shillette  
 Paul Shuen  
 John Robert Smith  
 Kirsten Smith  
 Richard Stein  
 Linda Stirk  
 Melissa Tai  
 Scott Tigert  
 Carol Wade  
 Peter Watt  
 Georgina Wilcock  
 Jeremy C Wong  
 Lynne Zolis

## Adjunct Professors

Kofi Amankwah  
 Craig Pennell  
 Felice Petraglia  
 Paul Thistle

## Adjunct Lecturers

George Arnold  
 Shannon Causey  
 Mary Cheng  
 Stacy Costa  
 Joseph Cramer  
 Kristina Dervaitis  
 Kurt Christopher Giede  
 Jevan Ko  
 Asha Kurup

## Adjunct Assistant Professors

Samuel Charles (Peter) Bryson

Joanne Ma  
 Haidar Mahmoud  
 Enrique Reyes\*  
 Jan Scheeres  
 Michael Silver  
 Gita Singh  
 Vincent Wu  
 Gonzalo Zevallos



## CROSS APPOINTMENTS

### University Professors Emeriti

John Challis

Physiology

### Professors Emeriti

Jerald Bain  
 Joseph T. Clarke  
 Anne Kenshole  
 Arne Ohlsson

Maire E. Percy  
 Medicine  
 Paediatrics  
 Medicine



### Professors

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

Stephen Halpern  
 Physiology  
 Anesthesia  
 Laboratory Medicine & Pathology  
 Paediatrics  
 Laboratory Medicine & Pathology  
 Medicine – Cardiology  
 Laboratory Medicine & Pathobiology  
 Paediatrics  
 Immunology  
 Physiology  
 Public Health Sciences  
 Medicine  
 Medicine  
 Psychiatry  
 Molecular Genetics  
 Laboratory Medicine & Pathobiology  
 Medicine  
 Psychiatry  
 Radiation Oncology  
 Medical Imaging  
 Molecular Genetics



### Associate Professors

Ida Ackerman	Radiation Oncology
Elizabeth Asztalos	Paediatrics
Mrinalini Balki†	Anesthesia
Christine Derzko	Medicine
Michael Dunn	Paediatrics
Denice Feig	Medicine
Katherine Fong	Medical Imaging
Phyllis Glanc	Medical Imaging
Stephen Holzapfel	Family & Community Medicine
Sarah Keating	Laboratory Medicine & Pathobiology
Carl Laskin	Medicine
Andrew T. Shennan	Paediatrics
Candice Silversides	Medicine



### Assistant Professors

Tony Barozzino	Paediatrics
Michael Sgro	Paediatrics
Martin Skidmore	Paediatrics
Sandra Viero	Laboratory Medicine & Pathobiology
Rachel Wald	Paediatrics

### Adjunct Professors

Lynn Allen	Laboratory Medicine & Pathobiology
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### Adjunct Lecturers

Nina Venkatarangam	Family & Community Medicine
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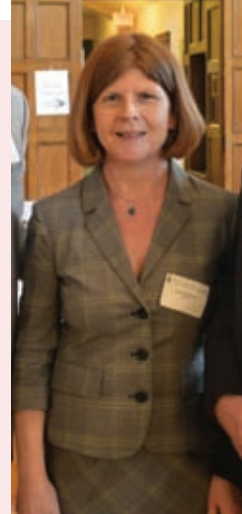


\* Retired  
 † New appointment  
 ‡ Promotion

# ADMINISTRATIVE STAFF

**Senior Business Officer**

Arleen Morrin



**Department Assistant**

Cherryl Bird

**Coordinator of Undergraduate Program**

Jeannette Moniz

**Coordinator of Postgraduate Programs**

Caroline Sutherland

**Department Assistant**

Joseph George



## RESIDENTS

### POSTGRADUATE YEAR 1

Sophie Bussiere-Cote  
 Laura Cancelliere  
 Kristin Harris  
 Lesley Hawkins

John Ibrahim  
 Teela Nadine Johnson  
 Marian Leung  
 Sonali Lokunge

Amanda Michael  
 Andra Nica  
 Cherie Lynne Nicholson  
 Leslie Proctor

### POSTGRADUATE YEAR 2

Nasser Abu Awad  
 Marie Coroneos  
 Lara Gotha  
 Lacey Harding  
 Ingrid Lai

Mathew Leonardi  
 Pamela Liao  
 Carmen McCaffrey  
 Chaula Mehta  
 Julie Nguyen

Kirsten Niles  
 Aparna Sarangapani  
 Lynn Sterling  
 Marta Wais



### POSTGRADUATE YEAR 3

Jessica Green  
 David Gurau  
 Ummi Habiba  
 Adrienne Li

Rebecca Menzies  
 Rebecca Rich  
 Michael Sector  
 Alison Shea

Andrea Simpson  
 John Snelgrove  
 Liane Tan  
 Julie Thorne

### POSTGRADUATE YEAR 4

Emily Baker  
 Kimberly Bremer  
 Amanda Cipolla  
 Paulina Cybulska\*

Courtney Jolliffe  
 Genevieve Lennox  
 Brian Liu  
 Karli Mayo

Heather Millar  
 Stephen Morris  
 Muhseen Yusuf

### POSTGRADUATE YEAR 5

Melanie Campbell  
 Brian Ferguson  
 Helena Frecker  
 Louise-Helene Gagnon  
 Alice Han  
 Salikah Iqbal

Tharani Kandasamy  
 Julia Kfour  
 Noushin Khoshbakht  
 Kelsey Mills  
 Shannon Moore  
 Lamide Oyewumi

Leslie Po  
 Priya Sharma  
 Laura Sovran  
 Evan Taerk



\*Clinician Investigator Program

## CLINICAL FELLOWS

### PROGRAM AND DIRECTOR

**Advanced Obstetrics**  
P. Gareth Seaward, MSH

Dini Hui, SHSC

**Advanced High-Risk Obstetrics**  
Howard Berger, SMH

**Gynaecologic Endoscopy (RCPSC)**  
Artin Ternamian, SJHC

**Gynaecologic Oncology (RCPSC)**  
Allan Covens, SHSC

**Gynaecologic Reproductive Endocrinology  
and Infertility (RCPSC)**  
Barbara Cruickshank, MSH

**Maternal-Fetal Medicine (RCPSC)**  
Cynthia Maxwell, MSH

**Mature Women's Health and Menopause**  
Wendy Wolfman, MSH

### FELLOW

Sunita Garg  
Shadha Jawad Al-Hawash  
Stefania Ronzoni

Elad Mei Dan

Eran Barzilay  
Yifat Gadot

Jing Qin

Genevieve Bouchard Fortier  
Rory McVey  
Kate Pulman  
Clare Reade  
Yakir Segev  
Sarah Sinasac

Crystal Chan  
Claire Jones  
Shannon Moore  
Nicole Paterson

Hythem Al-Sum  
Sergio Carmona  
Rohan D'Souza  
Darine El-Chaar  
Ryan Hodges  
Richard Horgan  
Tiffany Hunter  
Lawrence Koby

Anne Maude Morency  
Nir Melamed  
Tim Van Mieghem  
Mark Osmond  
Hadar Rosen  
Karen Wou

Faiza Al-Gethami  
Debra Evaniuk



## CLINICAL FELLOWS

### PROGRAM AND DIRECTOR

### FELLOW

**Minimally Invasive Gynaecological Surgery**  
 Guylaine Lefèbvre, SMH

Heinrich Husslein  
 Lindsay Shireff  
 Eliane Shore

**Minimally Invasive Gynaecological Surgery (AAGL\*)**  
 Herb Wong, SHSC

Daniel Margel

**Paediatric and Adolescent Gynaecology**  
 Sari Kives, HSC

Nicole Hubner

**Reproductive Sciences**  
 Robert Casper, TCART

Lucy-Ann Behan  
 Anat Hershko-Klement  
 Frederic Mitri  
 Nayana Talukdar  
 Amir Weintraub

**Reproductive Sciences**  
 Clifford Librach, CReATe Fertility Centre

Basheer Al Kudmani  
 Tal Lazer

**Urogynaecology and Reproductive Pelvic Surgery**  
 Harold Drutz, MSH  
 Danny Lovatsis, MSH

Elham Bamanie  
 Ashraf Dawood  
 Susan Jia  
 Yvonne Leung  
 Sebastian Medel  
 Salomon Zebede

**Urogynaecology**  
 Patricia Lee, SHSC

Pietrus Kruger

\*American Association of Gynecologic Laparoscopists

# COMMITTEES

## Executive Committee & Appointments Committee

John Kingdom	Chair, Executive and Fiscal Advisory Committees
Lisa Allen	Head, Division of Paediatric and Adolescent Gynaecology Site Chief, Women's College Hospital
Jon Barrett	Chair, GTA-OBS Network
Adrian Brown	Community Affiliate Hospital Representative Chief, North York General Hospital
Ted Brown	Head, Division of Reproductive Endocrinology & Infertility Chair, Research Committee
Dan Farine	Chair, Promotions & Awards Committee
Guylaine Lefèbvre	Chief, St. Michael's Hospital Associate Chair, Department of Obstetrics and Gynaecology
Stephen Lye	Vice-Chair, Research
Nanette Okun	Head, Division of Maternal-Fetal Medicine
Filomena Meffe	Director Faculty Development
Barry Rosen	Head, Division of Gynaecologic Oncology, University Health Network
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
Arthur Zaltz	Chief, Sunnybrook Health Sciences Centre

## COMMITTEES

### Residency Program Committee

Name	Site	Role
Donna Steele	SMH	RPC Chair
John Kingdom (ex-officio)	MSH	Department Chair
Anjali Aggarwal	TEGH	Site Coordinator
Clarissa Bambao	SJHC	Site Coordinator
Janet Bodley	SHSC	Site Coordinator
Aleksandre Corbey	THP - CVH	Site Coordinator
Michele Farrugia	Wellness Committee	Wellness Committee Rep
Lilian Gien	SHSC	Rotation Coordinator - Gynaecologic Oncology (Sept 1, 2013 to June 30, 2014)
Dini Hui	SHSC/MFM	Rotation Coordinator - MFM
Yolanda Kirkham	HSC	Site Coordinator (July 1, 2013 to Aug 2013 for Sari Kives)
Sari Kives	HSC/SMH	Site Coordinator (Sept 1, 2013 to June 30, 2014)
Katherine MacRury	U of T	Education Consultant
Melanie Ornstein	TEGH	Site Coordinator (July 1, 2013 to March 31, 2014)
Heather Shapiro	MSH	Rotation Coordinator - REI-PAG
Jodi Shapiro	MSH	Rotation Coordinator - Ambulatory PGY2-5
Dana Soroka	SMH	Site Coordinator (July 1, 2013 to August 2013 for Sari Kives)
Jackie Thomas	MSH	Site Coordinator
Mark Yudin	Research	Research Committee Rep
Lynne Zolis	NYGH	Site Coordinator
Andra Nica		PGY1 Rep
Lacey Harding		PGY2 Rep
Michael Sector		PGY3 Rep
Amanda Cipolla		PGY4 Rep

## COMMITTEES

### Fellowship Directors Committee

Heather Shapiro, *Chair*  
Lucy-Ann Behan  
Howard Berger  
Robert Casper  
Allan Covens  
Barbara Cruickshank  
Harold Drutz

Dini Hui  
Sari Kives  
Patricia Lee  
Guylaine Lefèbvre  
Clifford Librach  
Danny Lovatsis  
Katherine MacRury

Cynthia Maxwell  
Gareth Seaward  
Donna Steele  
Artin Ternamian  
Wendy Wolfman  
Herb Wong  
Karen Wou

### Fiscal Advisory Committee

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

### Promotions & Awards Committee

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

Guylaine Lefèbvre  
Filomena Meffe  
Richard Pittini, *Chair, Evaluations Committee*

Rory Windrim  
Gareth Seaward  
Arthur Zaltz

### Research Committee

Theodore J. Brown, *Chair*  
May Alarab  
S. Lee Adamson  
Isabella Caniggia  
Robert Casper  
Allan Covens  
Rohan D'Souza

Sarah Ferguson  
John Kingdom (*ex officio*)  
Sari Kives  
Noor Ladhani  
Clifford Librach  
Stephen Lye, *Vice-Chair, Research*  
Kellie Murphy

John Snelgrove (*PGY3, Resident Representative*)  
Alison Shea (*alt PGY3, Resident Representative*)  
Donna Steele (*ex officio*)  
Mark Yudin

### Undergraduate Education Committee

Rajiv Shah, *Chair*  
Dalip Bhangu  
Tatiana Freire-Lizama  
Dini Hui  
Sybil Judah  
John Kingdom, *ex officio*  
Sabrina Lee  
Mathew Leonardi

Katherine MacRury  
Katie McLean  
Filomena Meffe  
Elizabeth Miazga  
Jeannette Moniz  
Matthew Morton  
Richard Pittini

Heather Shapiro  
Katelyn Smith  
Dana Soroka  
Lynn Sterling  
Michael Sved  
Brenna Swift  
Scott Tigert

## HOSPITAL STATISTICS

July 1, 2013 to June 30, 2014

	SMH	MSH/ UHN	SHSC	TEGH	HSC	NYGH	SJHC	THP	WCH
Total Deliveries	2,933	6,565	4,235	3,104	NA	5,709	3,264	8,677	0
Caesarean-Section Rate	26.97%	32.8%	35%	28.06%	NA	28.4%	31.9%	25.1%	NA
Total Gynaecology Procedures (major and minor)	1,468	3,662	3,860 (excludes gyne onc)	2,016	112	2,323	1,367	7,536	1,465
Clinic Visits (excluding private office visits)	51,313	104,178	17,962 (excludes colpo)	14,477	2,208	16,462 <sup>§</sup>	10,663	2,572	10,853
Number of Obstetrics Beds	22*	66	26	32	NA	56	26	87 <sup>†</sup>	0
Number of Gynaecology Beds	9	19	2	59 <sup>†</sup>	0	39 <sup>†</sup>	16	10	0

SMH – St. Michael's Hospital

MSH/UHN – Mount Sinai Hospital/University Health Network

SHSC – Sunnybrook Health Sciences Centre

TEGH – Toronto East General Hospital

HSC – Hospital for Sick Children

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

\*Does not include an additional 10 Labour, Delivery, Recovery and Post Partum (LDRP) beds

<sup>†</sup>Shared with other surgical specialties

<sup>‡</sup>Includes 27 birthing suites

<sup>§</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

## STRATEGIC PLAN UPDATE

The 2013-2014 academic year has been a productive year for our department. It was filled with initiatives across our affiliated teaching sites which, collectively aim to improve the quality of care in the area of Women’s Health. Under the guidance of Cate Creede and Danny Nashman from the Potential Group, our Chair, Dr. John Kingdom, has been working on establishing and advancing our strategic priorities. These priorities focus on research, quality improvement and patient safety, advocacy and public awareness, continuing professional and faculty development, and education.

Over the past year, the Chair and the Strategic Priority leaders have been using our guiding forces - unity, equity, advocacy, collaboration, leadership, and excellence - to establish overall goals and objectives for each strategic priority. The priority leaders have now formed supporting committees, which have established action plans and met on a regular basis over the course of the year to track progress, share ideas, and generate momentum. They have also been invited to ask for feedback and support from the Executive Committee on several occasions (see table below). Much enthusiasm from everyone involved has contributed to successful projects, such as establishing the GTA-OBS Network under the direction of Dr. Jon Barrett, piloting the CBME curriculum in MFM and PAG/REI rotations championed by Dr. Nicolette Caccia, and introducing the Collaboration Corner at Research Day to promote collaborative projects amongst researchers across all sites. With the Strategic Plan Launch event, which took place in May, 2014, we are moving closer towards fulfilling our Department’s goals and establishing ourselves as one of top five Obstetrics and Gynaecology Departments in the world.

Event	Date	Location	Number of Attendees
Core Team Meeting	January 16, 2014	Faculty Club, University of Toronto	45
Strategic Plan Meeting	February 3, 2014	Medical Sciences Building, University of Toronto	25
Strategic Plan Launch Event	May 15, 2014	Pantages Hotel, St. Michael’s Hospital	130





# DIVISION REPORTS



## CORE OBSTETRICS & GYNAECOLOGY

*Arthur Zaltz, Division Head*

### Honours:

Recognition for teaching excellence, 2013 (undergraduate level):

*Maja Gans* (TEGH)  
*Beata Grygowski* (SJHC)  
*Rajiv Shah* (SMH)  
*Lynne Zolis* (NYGH)

Master Teacher:  
*Maja Gans*

Excellence in Integrated Postgraduate Medical Education:  
*Adrian Brown*

Excellence in Postgraduate Teaching:  
*Gracie Liu*

Excellence in CME Course Coordination:  
*Nicholas Paireudeau*

Excellence in Postgraduate Program Development/Innovation:  
*Donna Steele*

Excellence in Integrated Undergraduate Medical Education:  
*Scott Tigert*

2014 APOG Carl Nimrod Award:  
*Modupe Tunde-Byass*

Sunnybrook Dixon Surgical Teaching Award, 2014:  
*Elaine Herer*

The Division of Core Obstetrics and Gynecology is the largest division within the Department of Obstetrics and Gynecology 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 evidenced 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 Director and the Vice Chair of the Examination Board at the RCPSC.

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 MIS (minimally invasive 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 Gynecology 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 Gynecology 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, by defining issues related to safety and outcome. This is currently being addressed through the GTA-OBS Network, which will draw upon over 70,000 births to define best practices
- » To allow trainees to pursue academic excellence from within the Core Division; by promoting and supporting postgraduate training in teaching, patient safety, public health, Global Women's Health etc.
- » To promote the notion of the role of a core practitioner within the TAHSN system
- » To engage our alumni to support our goals through fundraising
- » To lobby for the health care rights of our patients with government



## DIVISION OF GYNAECOLOGIC ONCOLOGY

*Barry Rosen, Division Head*



The Gynaecologic Oncology program includes 5 hospitals: Sunnybrook Health Sciences Centre (SHSC), Princess Margaret Cancer Centre (PMH)/ University Health Network (UHN), Trillium Health Partners (THP), North York General Hospital (NYGH) and Women's College Hospital (WCH). It includes 14 gynaecologic oncologists, 5 at SHSC, 7 at PMH, and 2 at THP. The SHSC gynaecologic oncologists provide surgical care at NYGH and the PMH group also operates at MSH and WCH. This is the largest group of gynaecologic oncologists in Canada and one of the most clinically active groups in North America.

Gynaecologic oncology supports medical student, resident and fellow education. All University of Toronto residents spend a month in gynaecologic oncology as a PGY 1 and 3 months as a PGY 3 or 4. The fellowship program is the largest and the only 3-year training program in Canada. It includes two years of clinical training along with 1 year of research with two fellows in each year. Over the past year the program graduated two fellows, Dr. Clare Reade and Dr. Sarah Sinasac. Dr. Clare Reade has accepted a staff position in Hamilton at the Juravinski Cancer Centre and Dr. Sinasac, after completing a locum in Vancouver, will be taking a position in Barrie at Royal Victoria Hospital.

The Gynecologic Oncology program is very committed to research. SHSC and PMH both have very robust research programs and many of the projects are collaborative between the two centres. Over the last two years this group has used an endowed fund, The McArthur Fund, to promote collaborative research between the two groups. Research supported by this endowment includes, sentinel node studies in endometrial cancer and a GOC 2 study where economic and clinical outcomes are being compared between robotic, laparoscopic and open surgery for endometrial cancer. Other studies receiving this support include ICES in endometrial cancer, and vulvar melanoma.

The Division of Gynaecologic Oncology has also become committed to an international (global) health initiative in Kenya. Several members of the Division have travelled to Kenya to provide education and training to gynaecologists in Eldoret as part of the University of Toronto AMPATH program. This program is also very active in research and has a Grand Challenges Canada Grant, as well as a grant from the National Institutes of Health and the Centers for Disease Control and Prevention.

Dr. Allan Covens is head of Gynaecologic Oncology at Sunnybrook Health Sciences Centre, and the fellowship director for the University of Toronto Gynaecologic Oncology Fellowship. He serves as the Principal Investigator at the Odette Cancer Centre for the NRG Oncology Group, and co-chairs the Rare Tumour Committee. He is also the co-chair of the Cervical Cancer Task Force for the National Cancer Institute (NCI) (USA) and is the Principle Investigator for GOG #278, a multicenter cohort study evaluating functional outcomes after non-radical surgery for early stage cervical cancer. Dr. Kupets has recently been appointed to lead scientist for the Ontario Cervical Screening Program. Dr. Lilian Gien has recently been appointed to junior Principal Investigator for the Sunitinib arm of the NCI MATCH trial. She continues to evaluate and publish data from the Vulvar Cancer Grant. She also sits on the Cervix Committee for NRG Oncology, and is evaluating factors predictive for outcome in phase II trials for recurrent and advanced cervical cancer as part of her Young Investigator Award from the GOG. Dr. Danielle Vicus has successfully been awarded two peer reviewed grants for investigator initiated clinical trials- 1.) oral iron therapy to reduce the likelihood of homologous blood transfusions, and 2.) a study evaluating Anal Intraepithelial Neoplasia in women with a history of cervical cancer or high grade dysplasia. Dr. Ray Osborne is the Co-Principal Investigator on a large multicenter randomized study in low risk gestational trophoblastic neoplasia.

Dr. Barry Rosen is the Head of Gynaecologic Oncology at University Health Network. Dr. Joan Murphy continues to lead the cervical cancer-screening program at Cancer Care Ontario. Dr. Stephane Laframboise is the site group leader in gynaecologic oncology at the Princess Margaret Hospital and is fellowship coordinator for the UHN site. Dr. Sarah Ferguson has successfully been promoted to Associate Professor in Obstetrics and Gynaecology and she has done this very quickly. She is also the Principle Investigator for the NCIC "SHAPE" trial that will compare radical to simple hysterectomy for small stage 1b cervical cancers. Dr. Marcus Bernardini is leading two national studies. The first involves the evaluation of high-risk endometrial cancers and includes both basic and clinical science research. He is also the Principal Investigator on a GOC 2 study.

The PMH group has a very robust program in hereditary breast and ovarian cancer, which is focused on identifying BRCA germline mutation carriers and providing them with strategies for cancer prevention. Dr. Sarah Ferguson leads the group's initiative in survivorship, which has become a very important part of cancer care at all cancer centres. She is conducting several studies and is part of several research projects including two where she is the Principal Investigator. She is also the Principal Investigator on studies looking at investigating Lynch syndrome and endometrial cancer.

Dr. Taymaa May joined the PMH group in September 2013 after completing her fellowship in Boston at Harvard University. Her interests include the development of collaborations in basic science research. She is already working closely with Dr. Ted Brown at MSH.

Dr. Tomer Feigenberg joined the Division in December 2013 and has taken a staff position at Trillium Health Partners. He completed his fellowship in 2013 at the University of Toronto and has an appointment as an Assistant Professor in Obstetrics and Gynaecology. He joins Dr. Samar Nahas at Trillium Health Partners.



## DIVISION OF MATERNAL-FETAL MEDICINE

*Nanette Okun, Division Head*

### Introduction:

Our division encompasses three downtown TAHSN (Toronto Academic Health Science Network) hospitals, with members between Mount Sinai Hospital, Sunnybrook Health Science Centre and St. Michael's Hospital. We provide consultative services for complicated pregnancies throughout the GTA and across the country for topics 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. I became the head of the Division as of January 1, 2014 for a period of 5 years.

### Highlights:

With the advent of John Kingdom assuming the chair's position, we, along with other divisions underwent a strategic planning exercise culminating in a new 5 year vision of connectedness: furthering our collaborative efforts as TAHSN divisional members as well as forming a bold new direction in building a network of MFM into the GTA. This network, which has wide buy-in from TAHSN and community hospital sites, will provide an academic U of T vision of research, quality improvement and strategic recruitment of physicians to better deliver high quality MFM services to the over 65,000 pregnant women in the GTA. A GTA-wide obstetrical network (GTA-OBS Network), headed by Jon Barrett, has made significant advancements in research and quality improvement initiatives toward these goals as of June 2014.

Our fellowship continues to flourish under the leadership of Dr. Cindy Maxwell, and our 2014 graduates (Tim van Meighem, Nir Melamed, Ryan Hodges, Rohan D'Souza, Anne-Maude Morency) have either returned to their desired centres to practise, or have been recruited to Sunnybrook Health Sciences Centre (Nir Melamed), or Mount Sinai Hospital (Rohan D'Souza). St. Michael's Hospital graduated 2 fellows from their High-Risk Fellowship who have gone on to further studies at Motherisk. In addition, Dr. Anne Berndt from McMaster was recruited to Sunnybrook where she will join the productive team at the Centre for Maternal, Infant and Child Research.

Jon Barrett was promoted to full professor.

The Division continues to have a strong research and publication record as evidenced in the publication section of the Annual Report. In addition, we continue in a strong role in CME locally, nationally and internationally.

### Future Initiatives:

July 2014 to June 2015 promises to be an exciting and productive year as we further embark on initiatives to capitalize on the potential that a strong GTA-wide MFM network can deliver to the University, the GTA region, nationally and internationally.

### Honours:

APOG Excellence in  
Research Award:  
*Jon Barrett*



## DIVISION OF PAEDIATRIC AND ADOLESCENT GYNAECOLOGY

*Lisa Allen, Division Head*

### Honours:

Best Grand Rounds Presentation Give by an External Speaker for the Division of Pediatric Emergency Medicine:

*Lisa Allen*

Toronto Life Magazine March 2014 Issue, "Toronto's Best Doctors":

*Lisa Allen*

### Introduction:

The Division of Paediatric and Adolescent Gynaecology (PAG) includes Division head Lisa Allen, and staff members Anjali Aggarwal, Nicolette Caccia, Sari Kives, Ali Nevin, and Rachel Spitzer. Maintaining a diverse practice in common conditions and rare challenges, the Division, including the adolescent pregnancy program, provides over 2500 ambulatory visits annually, and attracts national and international 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. In these clinics children and adolescents receive care closer to home.

The program also participates in the new Young Women's Gynecology Program, a transitional program for young women providing reproductive health care for women ages 17 to 25. Young women 17 years of age and up are now transitioned to this program at Women's College Hospital, under the direction of Dr. Yolanda Kirkham.

The Division continues to thrive under a new model of disseminated leadership where each member has taken on expanded administrative responsibilities.

### Highlights:

We continue to fulfill our mandate to enhance the gynaecologic care of children and adolescents through education and research. Our fellowship program attracts strong applicants and we educate residents and trainees from other subspecialties. We participate with other fellowship programs in Canada and the United States in the North American Pediatric Gynaecology Fellowship match.

Dr. Elizabeth Miller was invited to present the 3<sup>rd</sup> Annual Carol Cowell Lectureship in Paediatric Gynaecology at the University of Toronto on Reproductive Coercion on January 10<sup>th</sup>, 2014.

The Pediatric Gynecology Review Day, which occurred in January 2014, was again well attended with excellent reviews.

The provincial, national and international presence of our members continues to be strong. Dr. Allen continues as Co-Chair of CANPAGO and Dr. Spitzer is the Ontario representative. In addition, Dr. Allen is a liaison to the American College of Obstetricians and Gynaecologists Adolescent Health Committee. She also continues as a member of the Subspecialty Committee of APOG and is the President Elect on the Board of the North American Society of Pediatric and Adolescent Gynecology. Dr. Kives is a member of the Abstract Committee and Annual Clinic and Research Meeting Planning Committee. She is also Co-Chair of the International Women's Health Committee of the SOGC,

of which Drs Aggarwal and Spitzer are members. Dr. Aggarwal is also a member of the Social and Sexual Issues Committee.

**Future Initiatives:**

The Division completed a Pediatric and Adolescent Gynecology Planning Session in November 2013. The vision for the next 5 years of the Section is to continue our leadership in advancing gynaecological care and treatment for young women in Toronto, Ontario, Canada and around the world. The Division determined 7 priorities, which were further collapsed into a focus on two areas: Advocacy and Innovations in Education.



## DIVISION OF REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY

*Theodore J. Brown, Division Head*

### Honours:

Inaugural lecture in Reproductive Endocrinology:  
 Delivered by *Dr. Robert Casper*  
 (Topic: Preventing breast cancer in menopausal women)

This lectureship, sponsored by the St. Michael's Hospital Endocrinology Division and made possible by REI member Dr. Christine Derzko, will be an annual combined city-wide endocrine – Ob-Gyn round where an internationally recognized leader in Reproductive Endocrinology is invited to present their work. The speaker for the 2014/2015 schedule is Dr. Pauline Maki, a leader in hormonal influences in cognitive function and memory.

### Introduction:

Members of the REI Division include a diverse array of board-certified and non-board certified subspecialty-trained academic clinicians, clinician-scientists, and translational/basic scientists. Their activities focus on clinical care and/or research associated with female reproductive endocrinology or fertility. The Division currently consists of 25 members, making it one of the largest REI Divisions in North America. Members of the Division operate five independent fertility clinics, offering a full range of diagnostic services. Four of these have on-site state-of-the-art embryology and andrology laboratories. A Mature Women's Health & Menopause Clinic, run out of Mount Sinai Hospital by Dr. Wendy Wolfman, is the first such clinic in Canada. In addition to providing focused care, these clinics provide the Department training in REI for medical students, residents, and fellows. Division members offer fellowship training through a RCPSC-accredited GREI fellowship program at the Centre for Fertility and Reproductive Health (at MSH) and independent non-accredited REI fellowship programs at CReATe and TCART. We also offer a two-year non-accredited fellowship in mature women's health.

### Highlights:

Members of the Division participate in multiple research, educational, and advocacy initiatives directed at improving patient care and delivery. Several of the fertility clinics have incorporated time-lapse photography into their embryology laboratories this year. This emergent technology enables minute-to-minute tracking of developing embryos in real-time, providing information that can be used to guide embryo selection for transfer procedures. Moreover, the technology offers a research tool to better define key embryo developmental and histomorphological parameters to track and correlate with developing molecular traits and markers. Areas of advocacy for Division members include public funding for infertility treatment, awareness and intervention for fertility preservation for women (and men) of reproductive age undergoing chemotherapy or radiation therapy, and assisted reproduction for the LGBTQ community. As cancer survivorship rates have increased, quality of life issues, including fertility and the preservation of ovarian function, have become paramount. On October 25, 2013, the Ontario Onco-Fertility working group, of which Drs. Ellen Greenblatt and Karen Glass are members, presented to Cancer Care Ontario urging expansion of access to fertility preservation as well as patient and health practitioner education. As members of the Scientific Advisory panel, Drs. Greenblatt and Glass also advise the CKN Canadian Oncofertility Referral Network as a nationwide initiative that connects patients with doctors and fertility clinics to facilitate time-sensitive procedures needed to preserve fertility in young patients facing life-preserving cancer therapies. Drs. Greenblatt and Marjorie Dixon were also instrumental members of the Conceivable Dreams patient group that successfully lobbied the liberal government to include expansion of access to IVF in their budget.

**Future Initiatives:**

Through the Department Strategic Planning process, the Division has identified key areas to solidify our international leadership in fertility research, clinical care and education. Under the leadership of Dr. Yaakov Bentov, and with input from Drs. Heather Shapiro and Ted Brown, a business plan for a Professional Masters in Health Science Program in Advanced Reproductive Technology has been developed. This plan is undergoing refinement with help from the Institute of Medical Science, and will be submitted to the Provost's office for initial approval in the coming months. This program will provide an academic platform to galvanize a large key segment of the Division toward a single goal. This past spring, Dr. Crystal Chan organized a Department-sponsored meeting of REI fellows from all three fellowship programs to discuss their research and opportunities for collaboration. The Division will continue to work to enhance communication and collaboration amongst the three fellowship programs and to generate a city-wide REI group to address critical areas for collaborative research and advocacy.



## DIVISION OF UROGYNAECOLOGY

*Harold Drutz, Division Head*

### Honours:

American Board  
Subspecialty  
Certification in  
FPMRS:

*Patricia Lee*

1<sup>st</sup> place at "AAGL  
Olympics":

*Daniel Margel*  
(AAGL Fellow-  
SHSC)

Chair's Award for  
Postgraduate  
Education:

*Grace Liu*

Chair's Award for  
Excellence in  
Integrated  
Postgraduate  
Education:

*Mary Melchior*

62<sup>nd</sup> Annual Marlowe  
Lecture to the Soci-  
ety of  
Obstetricians and  
Gynecologists of  
Toronto (SOGT),  
formerly the Acad-  
emy of Medicine of  
Toronto:  
Delivered by *Harold  
Drutz*

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. Mount Sinai Hospital, with a branch at the Baycrest Geriatric Centre (BGC), offers a three year postgraduate fellowship training program with two years of clinical training and one year of basic science and clinical research training. In addition, St. Michael's Hospital and Sunnybrook Health Sciences Centre offer a two year fellowship training program.

Faculty members at Mount Sinai Hospital are: Drs. Harold P. Drutz (MSH and BGC), Danny Lovatsis (MSH/WCH), May Alarab (MSH and BGC), William Easton (Associate Staff at Scarborough Centenary Hospital) and Phaedra Diamond (Associate Staff at Scarborough Centenary Hospital). Dr. May Alarab heads our Basic Science Research Program, with the collaboration of Oksana Shynlova (PhD Basic Science Researcher). At St. Michael's Hospital there are two trained sub-specialists at FPMRS (Drs. Dana Soroka and Colleen McDermott, Division Head). In addition, Drs. Guylaine Lefebvre, Sari Kives, Abheha Satkunaratham and Deborah Robertson are the subspecialists in Minimally Invasive Gynecologic Surgery (MIGS). At Sunnybrook, Drs. Patricia Lee, Janet Bodley and Rose Kung are the full time Urogynaecology Faculty and are part of a group of eight MIGS surgeons, including Drs. Kai Lee, Grace Liu, Herb Wong, Jamie Kroft and Mary Melchior at St. Joseph's.

	Publications (Papers and Abstracts)	Presentations (Local, National, International)	Grants
SHSC	13	26	2
MSH	5 papers, 9 abstracts	22	4
SMH	3	21	

### Promotions:

Jamie Kroft- to Assistant Professor  
May Alarab- to Associate Professor  
Janet Bodley- to Associate Professor

### Future Endeavors:

SHSC- Virtual Reality Stimulator  
MSH- Robotic Surgery for FPMRS

Professor Drutz is working with the three teaching sites, the affiliated teaching sites, and the community sites to unify FPMRS across the GTA.





# PROGRAM REPORTS



## **UNDERGRADUATE MEDICAL EDUCATION**

*Rajiv Shah, Director*

### **Honours:**

It is a pleasure to acknowledge our 2013-2014 student award winners and to recognize their hard work, dedication and commitment to our specialty. Congratulations!

Dr. Jacob Goldstein  
Scholarship:  
*Talar Boyajian*

Hendry Memorial  
Scholarship:  
*Amanda Goldberg*

Dr. Frederick R. Papsin  
Award:  
*Katherine McLean*

### **Introduction:**

The Undergraduate Medical Education Committee is committed to ensuring excellence in teaching and training of our medical students by offering a diverse experience in the clerkship program. The Committee meets approximately once a month to discuss issues affecting undergraduate education in order to create innovative educational strategies for the curriculum, generate guidelines and respond to course evaluations, all with the goal of enhancing the student experience.

### **Highlights:**

- » The Mississauga Academy of Medicine (MAM) completed its first year of a block Clerkship. The program has been well received by the students and we would like to thank the Faculty for their help in making this successful.
- » Both St. Joseph's Health Centre and Toronto East General Hospital will offer the full six-week block clerkship rotation to our students in the new academic year. We are delighted by their commitment to undergraduate education and thank all those who helped make this opportunity a possibility.
- » We are pleased to announce that the first group of students in the longitudinal integrated clerkship program will begin at the Fitzgerald Academy in the Fall of 2014. The students are very excited to be part of this pilot project in a novel medical education model at U of T. The establishment of this program required a lot of time and energy by so many, and we thank all those who have contributed.
- » The second year medical school curriculum in ObGyn was overhauled to include new topics and speakers. We are very excited to be offering this new curriculum to the students, which now also covers topics in global health. Furthermore, a new case in the ethics program has been added, which will enrich the student experience.
- » Two Kenyan medical students, Ian Mwangi and Mathews Oluoch, did an Obstetrics and Gynaecology elective with our faculty at Mount Sinai Hospital and St. Michael's Hospital from August 16 to September 24, 2013. They found their experience extremely rewarding from an educational and personal perspective.

### **Future Initiatives:**

We will be working closely with all our Site Coordinators in the coming year as there are plans for expansion of the longitudinal integrated clerkship program to the other Academies. We are also working with new community affiliates with the goal of training our students at these new sites. Furthermore, we continue to work with the Vice-Chair of Education to follow the goals set out in our recent strategic plan.

I would like to extend a personal thanks on behalf of all of the students and Faculty to Ms. Jeannette Moniz and Ms. Katherine MacRury for all their hard work and dedication to the Undergraduate Program.

# RESIDENCY TRAINING PROGRAM

*Donna Steele, Director*



## Introduction:

For 2013-14, our 65 residents participated at 9 clinical sites in our Residency Program. The Residency Program Committee, comprising faculty and resident representation from each year, plans and oversees a quality educational experience designed to produce excellent practitioners in Obstetrics and Gynaecology, as well as future leaders and researchers. Twelve new PGY1s joined our program in July 2013. We congratulate the 12 PGY5s who successfully completed the Royal College exams in May 2014, and wish them all the best in their future endeavours.

## Highlights:

The Royal College confirmed full accreditation for our program in its November 2014 final report.

The second year of the new two-year Academic Half Day curriculum was completed with excellent Resident feedback. Two hours are faculty driven and one hour is resident driven, reviewing seminal papers and guidelines. Specific objectives cover medical expert content and other CanMEDS roles. Our Journal Club, initiated February 2013, continues quarterly. Following an Academic Half Day, four Residents critically appraise a paper in pairs under the guidance of a Faculty facilitator.

In the Global Health area, our program hosted the first elective resident from Kenya, Dr. D W Kosgei, with Jackie Thomas and Jason Dodge as supervisors. One of our residents completed an elective at Moi University in Eldoret.

We had a major change in our end-of-year/awards celebration, moving from a BBQ venue to a more formal Awards Ceremony at the Faculty Club, which also included the Fellows. Our PGY5 residents took a strong interest in the ceremony and staged a surprise "PGY5 Faculty Appreciation" presentation. The event was considered a great success.

We hosted the 2013-14 CaRMS interviews at a new location, CEPHEA on Bloor St, and included a major innovation: for the first time, we asked CaRMS candidates to participate in a research study to assess whether basic surgical tasks should be used as part of the selection criteria for medical students entering surgical residency.

The NightFloat (NF) Call System, which addresses decreased resident duty hours and fatigue, as outlined by the Royal College, was introduced at the three core sites of Mount Sinai, St. Michael's, and Sunnybrook hospitals on July 1, 2013. The NightFloat Nucleus Committee continued to refine the NF call system over the course of the year, with the objective of adjusting the system to better accommodate the residents' feedback. The plan is to create a more flexible NF system rather than require 3 consecutive weeks of NF, starting July 1, 2014.

## Honours:

Excellence in Undergraduate Teaching Awards:  
PGY3 - *David Gurau*

PGY4 - *Genevieve Lennox*

PGY5 - *Kelsey Mills* and *Leslie Po*

AAGL:  
*Helena Frecker*, PGY5

Dr. Sidney M. and Roselyn Tobin Compassionate Scholarship in Obstetrics and Gynaecology:  
*Julia Kfoury*, PGY5

Dr. Frederick R. Papsin Postgraduate Award:  
*Laura Sovran*, PGY5

CREOG National Faculty Award for Excellence in Resident Education:  
*Mark Yudin*

The Neelam Sierra Resident Advocacy Award:  
*Donna Steele*

Our program was engaged in preparing for Competency-Based Medical Education (CBME) as mandated by the Royal College. Dr Nicolette Caccia, presented an overview of CBME at the Interhospital Rounds on February 14, 2014. Design and implementation of CBME requires not only an understanding of underlying educational theory, but also an ability to operationalize this change. The Residency Program Committee will implement pilot curricula in Maternal Fetal Medicine and Reproductive Endocrinology and Infertility/Pediatric Adolescent Gynaecology on July 1, 2014, under Dr Caccia's guidance. The Rotation-Specific Objectives were used to create a matrix that acts as a portfolio of activities to be reviewed frequently during the rotation in order to facilitate the adjustment of training opportunities to ensure achievement of the expected competencies. The assessment tools will be used to provide frequent formative assessment as well as summative assessment.

After 11 years, Jackie Thomas stepped down as site coordinator at Mount Sinai Hospital, and also as the head of the ObGyn OSCE preparation for the Royal College exams. Jackie's work has been recognized by the residents with repeated CREOG awards, most recently in 2013. We would like to publically thank Jackie Thomas for her significant contribution to our Residency Program. We are delighted to announce that Michele Farrugia is the new MSH site coordinator, and that Marie Czikk, MSH, has assumed the responsibilities for the Royal College OSCE preparation.

### **Future Initiatives:**

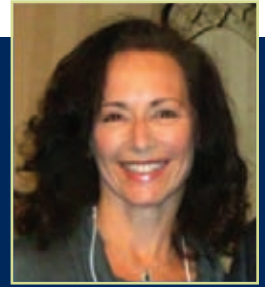
Starting July 2014, our program will incorporate the LEAD (Leadership Education and Development) Program in AHD.

End of Rotation Exams for all subspecialty rotations, including GyneOnc, MFM, REI, and Urogynaecology, will be implemented in 2014-15.

Residents will participate in the McMaster University project, Personal Progress Reporting, in 2015-16. The purpose is to provide information about how residents are progressing throughout their residency.

## FELLOWSHIP TRAINING PROGRAMS

*Heather Shapiro, Vice-Chair Education*



During this academic year we welcomed almost as many post residency trainees as we did residents, with over 40 PGY6, and 7s, and clinical and research fellows. In addition to the three RCPSC recognized training programs (REI, Gyn Onc and MFM), we have three minimally invasive surgery training programs, two reproductive science programs as well as sites for urogynecology, advanced obstetrical training and menopause.

Despite the diversity of programs and the geographical spread, we maintain a sense of cohesion through our quarterly Fellowship Directors meetings, which has two trainee members, and our city wide fellow seminars. The Introduction to Research Course, led by Dr. Kellie Murphy, was particularly well received, as was a visit from a representative from the CMPA.

The challenges of coordinating universally convenient times for teaching remain, as does the challenges of developing a unified time schedule for release and acceptance of offers. Nonetheless, great progress has been made through the work of the Committee.

Cindy Maxwell, as a member of the fellowship directors group and a member of the PGME Committee on Fellowship Training, was able to provide guidance and insight with respect to the university vision for post-residency training.

The Fellowship programs contribute in large part to this department's strong and growing international reputation. Future initiatives will include an expansion and broadening of the Research Course and other activities in line with the strategic plan of the department.



## CONTINUING MEDICAL EDUCATION

*Rory Windrim, Director, Continuing Professional Development & Knowledge Translation*

In partnership with CEPD (Continuing Education and Professional Development), the Department of Obstetrics and Gynaecology strives to strengthen the quality of life-long education of physicians and health care providers locally, in Canada and around the world. Our mission, through education, is to develop and equip health leaders in the area of women and infant health with the most up-to-date and relevant knowledge through research and the dissemination of information.

Locally, inter-hospital rounds were held on a monthly basis and were successfully webcasted throughout hospitals in the Greater Toronto Area. We are thankful for the technology available to do this and are looking forward to expanding our use of technology in the future.

2013 - 2014 was another impressive year for postgraduate education. Our sincere appreciation and recognition go to the following individuals who committed significant time and effort to develop the outstanding programs listed below:

### 2013-2014 CME Courses:

Paul Bernstein	Preventing the First C-Section	November 2013
Mathew Sermer & Cindy Maxwell	4 <sup>th</sup> Bi-Annual Medical Disorders in Pregnancy	November 2013
Jackie Thomas	9 <sup>th</sup> Annual Everyday Gynaecology The Management of Common Gynaecologic Conditions	November 2013
Lisa Allen & Rachel Spitzer	Paediatric Adolescent Gynaecology Review Day	January 2014
Dan Farine	10 <sup>th</sup> Annual Obstetrical Malpractice: A Survival Guide for 2014	January 2014
Deborah Robertson & Guylaine Lefèbvre	5 <sup>th</sup> Annual Women's Health Symposium	February 2014
Greg Ryan & Rory Windrim	17 <sup>th</sup> Annual Women's Imaging Advances in Gynaecologic Imaging & First Trimester Ultrasound	February 2014
Harold Drutz & Wendy Wolfman	10 <sup>th</sup> Annual Mature Women's Health Care	April 2014

**2013-2014 CME Courses (continued):**

David Chitayat	17 <sup>th</sup> Annual New Developments in Prenatal Diagnosis & Medical Genetics	May 2014
Michèle Farrugia	2 <sup>nd</sup> Bi-Annual Overcoming Breastfeeding Challenges	June 2014
Rory Windrim, Michèle Farrugia & Kellie Murphy	10 <sup>th</sup> Annual Refresher in Primary Maternity Care	June 2014

**2013-2014 Interhospital Rounds**

Date	Presenter/Topic	Location
September 13, 2013	Dr. Jon Barrett <i>The Twin Birth Study: A Randomized Trial</i>	Sunnybrook Health Sciences Centre
October 11, 2013	Dr. Gideon Koren <i>Alcohol use and Pregnancy: What is the Issue?</i>	St. Michael's Hospital
November 8, 2013	Dr. Adalsteinn Brown	Mount Sinai Hospital
November 29, 2013	Dr. Walter Gotlieb APOG/ Cannell Lecture <i>Clinical Outcome and Cost-Effectiveness of Robotic Surgery for Gynaecologic Cancers</i>	Marriot Hotel Eaton Centre, Toronto
January 10, 2014	Dr. Elizabeth Miller <i>Carol Cowell Lectureship in Paediatric &amp; Adolescent Gynaecology</i> <i>Reproductive Coercion</i>	Sunnybrook Health Sciences Centre
February 14, 2014	Dr. Nicolette Caccia <i>Competency-Based Medical Education: The Wave of the Future</i>	St. Michael's Hospital
April 11, 2014	Dr. Nanette Okun, Dr. David Chitayat, Ms. Hana Sroka and Ms. Andrea Staines Prenatal Screening and <i>Diagnosis of Genetic Disorders: Changing Paradigms</i>	Sunnybrook Health Sciences Centre

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



When it comes to our Global Health contributions, there is no shortage of international collaborations and perspectives that could be cited thanks to our global diversity. But with this first opportunity, we want to focus on our involvement in the Academic Model Providing Access to Healthcare (AMPATH). 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,' AMPATH is a consortium of universities and academic health centers that have supported the establishment of the Moi University School of Medicine in 1989 and an ambitious HIV and Primary Care program. It has been recognized by the Government of Kenya as a 'learning laboratory' that can generate and test innovative solutions to health problems by drawing on its rich expertise in Clinical Care, Community Services, Research, and Informatics. Through sponsors, 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.

### Leadership:

2013-14 was another year of growth and development for the AMPATH-Reproductive Health program. Dr. Alan Bocking passed the torch as lead for the University of Toronto in the AMPATH program to Dr. Rachel Spitzer, the new Vice-Chair of Global Health. As recognition for his contributions, a scholarship was established in his name to support promising Kenyan residents and students coming to Toronto on elective. Dr. Barry Rosen increased his involvement through his mentorship of a newly born Specialty in Gynaecologic Oncology within the Department at Moi University. In Eldoret, Dr. Astrid Christoffersen-Deb leads the University of Toronto's commitment to care, education and research as Field Director for Reproductive Health, in collaboration with Dr. Julia Songok from Moi University and Dr. Laura Ruhl from Indiana University. Our residents and students continue to benefit from the generous expertise of Johanna Sitters, our Midwifery Instructor at Moi Teaching and Referral Hospital (MTRH).

### Care:

The landscape of care in Kenya has shifted dramatically over the last year, contributing to busier health facilities, operated by new governing entities. At MTRH, the number of women seeking care at the time of delivery has increased by 50%. This rise in demand has brought greater urgency to develop innovative ways to stretch the often scarce resources in the supply chain. We are especially interested in exploring Lean approaches to healthcare and human-centered design to improving care delivery. Using the national curriculum, we have worked with county governments to provide emergency obstetric care training to providers, integrate family planning into maternity care, and enhance the community delivery of health.

In Oncology, our care delivery capacity has grown with the establishment of the Gynecologic Oncology fellowship program, a first in East Africa. The cervical cancer screening program expanded to another clinical site, and screens over 6,000 women annually. We are also paying attention to related clinical specialties with expansion of collaborative services to palliative care and specialty oncology nursing, with a view to increase capacity in these areas in western Kenya.





## Education:

As part of AMPATH's commitment to reciprocity with Moi University, we welcomed two senior medical student electives, Matthew Oluoch and Ian Mwangi, who rotated at Mt Sinai and St Michael's Hospitals; and a third-year registrar (resident), Dr. Wycliffe Kosgei, who had a wonderful experience in Toronto between January-February, 2013, experiencing gynecologic oncology and maternal-fetal medicine rotations. We welcomed gynaecologic fellows from Brown University and the University of Toronto to support the Gynaecologic Oncology subspecialty program. Medical students from the University of Toronto also spent time in Eldoret to work on CREMS research projects and for senior clinical selective placements. We were delighted to host Drs. Nan Okun, Rose Rahmani-Braude, and Alison Buchon, the Vice Dean of Research in the Faculty of Medicine, to explore further research opportunities.



If there is one area of Global Health that demonstrates the role of the university, it is in the establishment of the Gynaecologic Oncology program at Moi University. Under the guidance of Drs. Barry Rosen, Hilliary Mabeya and a team of gynecologic oncologists and collaborators, the program enrolled its second year of gynaecology oncology fellows in Eldoret with Dr. Philip Tonui enrolling as junior trainee, and the first 2 trainees, Drs. Elkanah Orango and Peter Itsura, becoming the first gynecologic oncologists trained in Kenya. This is the first gynecologic oncology training program ever developed in Sub-Saharan Africa and is an opportunity to develop sustainability in cancer care in Kenya, as more Kenyans train and obtain the expertise needed to diagnose and treat gynecologic cancers.



## Research:

With greater care has come the opportunity to enhance capacity for research. 'Leaping' ahead is the Gynaecologic Oncology program that has secured valuable mentorship from Drs. Barry Rosen and Susan Cu-Uvin, Brown University. The program has attracted grant funding from Grand Challenges Canada, NIH, Centre for Disease Control, PEPFAR, CFAR, and the Princess Margaret Cancer Centre. Over the past 5 years, this funding has amounted to over \$6 million and made important investments in reducing the burden of cervical cancer, a leading cause of mortality in women. This has also supported the design, implementation and evaluation of nurse-led models of care in rural areas in the screening and treatment of cervical dysplasia.

Looking to next year, we anticipate growing links between our department and the Dalla Lana School of Public Health. With the graduation of Kenya's first gynaecologic oncologists, we welcome adapting this innovative training model to additional specialties, particularly, Maternal-Fetal Medicine and Global Women's Health and Equity. Finally, understanding the fundamental role of the university as an engine of growth and innovation, we look forward to further opportunities for learners and faculty to interact and advance capacity in women's health.

We hope that this first contribution to the Annual Report has made visible the extent to which our co-leadership in the AMPATH-Reproductive Health collaboration has become a cornerstone of our department. Not only does it make us unique among Canadian academic ObGyn departments, it should leave each one of us uniquely proud of our department's commitment to a particular kind of global health. One that is attentive to local needs, built on reciprocity, sustained by co-leadership, committed long-term, and always, leading with care.



## EDUCATIONAL PARTNERSHIP PROGRAM

The Department's Educational Partnership initiative 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 all our partners for their generous commitment and support of our educational activities throughout this and past years.

The 2013 – 2014 Industry Sponsors are:



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



# COMMITTEE REPORTS



## PROMOTIONS COMMITTEE

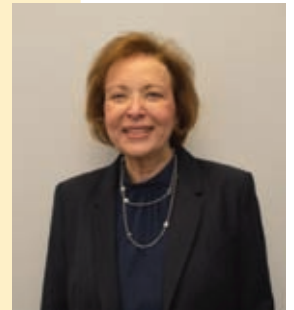
*Dan Farine, Chair*

The Department and Promotions Committee are pleased to announce the following promotions, effective July 1, 2014:

To full Professor

**Dr. Wendy Wolfman**  
 (Mount Sinai Hospital)

Dr. Wolfman directs the Mature Women's Health program at Mount Sinai Hospital. She has achieved an international reputation in this field, including establishing one of the first menopause fellowship training programs in North America. Dr. Wolfman's research output is widely cited. One of her more recent achievements has been the creation of a Premature Ovarian Insufficiency clinical program. In recent years, 4 of her students have received prizes at international meetings for their research. She has served in many senior administrative capacities, notably as Chair of the Consumer Education Committee of the North American Menopause Society. Furthermore she has made many significant contributions within the Society of Obstetricians and Gynaecologists of Canada.



To Associate Professor

**Dr. May Alarab**  
 (Mount Sinai Hospital)

Dr. Alarab has had a very successful junior faculty career as a clinician-investigator in Female Pelvic Medicine and Reconstructive Surgery (FPMRS) at Mount Sinai Hospital. She has received several intra-mural and external peer-reviewed grants to develop her translational science program based at the Lunenfeld Tanenbaum Research Institute. May has received many national and international awards for her research, notably a "top-5" Distinction Award in 2011, followed by a Best New Investigator award from the Society for Gynecologic Investigation. She has achieved an impressive 12 original peer-reviewed publications since commencing on faculty in 2008, two as 1st author and seven as senior author. In addition to her significant achievements in creative professional activities and teaching, she has several administrative achievements, including serving on the International Urogynaecology Association Scientific Committee and as a grant reviewer for the American Urogynecologic Society Foundation.



**Dr. Janet Bodley**

(Sunnybrook Health Sciences Centre)

Dr. Bodley has had a very successful junior faculty career as a clinician-educator in Female Pelvic Medicine and Reconstructive Surgery (FPMRS), Minimal Access Surgery, and in Resident Wellness, based both at Sunnybrook Health Sciences Centre and at the Faculty of Medicine. Considered to be an excellent teacher, she has received 5 local awards, including the esteemed Neelam Sierra Resident Advocacy Award and a National Carl Nimrod Educator Award. Her research on factors affecting academic promotion is considered very influential at a national level. She is credited with developing our very valued Resident Wellness Program and she has a particular interest in the important subject of the "hidden curriculum." Janet is also an RCPSC examiner for Obstetrics & Gynaecology.

**Dr. Sarah Ferguson**

(Princess Margaret Hospital and University Health network)



Dr. Ferguson has had a very successful career as a clinician-investigator in Gynecologic Oncology, establishing the PMH Gynecologic Oncology Research Program. Her own areas of interest include reducing surgical morbidity, centered around less invasive methods to identify sentinel lymph nodes as well as the development of novel approaches to address the impact of the diagnosis and treatment of gynecologic cancer upon quality of life, sexuality and body image. She is further interested in developing a personalized medicine approach for women at risk of Lynch syndrome. Since her appointment, she has obtained 7 intra-mural and 7 extra-mural grants, from which she has achieved 23 publications since her faculty appointment in 2006. For these achievements, she received the Chair's Award for Outstanding Research Potential in 2013. Her research has been recognized both nationally and internationally. Sarah is also well known for her innovative creative professional activity, centered on the development of a sexual health program for survivors of gynecologic cancer. Her multidisciplinary team at PMH is well recognized for this important work.



## RESEARCH COMMITTEE

*Theodore J. Brown, Chair*

### Introduction:

The Research Committee meets throughout the year to provide support for research communication, training, and collaboration within the Department of Obstetrics and Gynaecology. Membership reflects the heterogeneity of the Department, with cross-divisional and institutional representation, and presently includes 15 faculty members, one resident, and one fellow. A primary function of the Committee is the planning, organization, and execution of our annual Research Day. The Committee was again fortunate this year to be well supported by Mrs. Helen Robson and Department staff.

### Highlights:

The 31<sup>st</sup> annual Department of ObGyn Research Day was held at Northrop Frye Hall at Victoria College on May 9<sup>th</sup> and had approximately 300 registrants. This year we had a total of 89 abstracts submitted by our trainees, which exceeds our previous record of 85 abstracts. Research Day also saw multiple new initiatives. A new poster venue, termed "Collaboration Corner," was put in place. This effort introduced faculty-initiated projects to attract collaborators from across the Department's affiliated institutions. For the first time, Research Day was a continuing medical education (CME) event, providing up to 7.5 hours of credit. To facilitate the work of Mrs. Robson and the Committee, we piloted a new online registration and abstract submission service. As part of this service, and in the interest of going 'green', we introduced a mobile app that provides registrants with searchable access to abstracts, maps, schedules, and announcements regarding the meeting.

As always, a highlight of Research Day was the Henderson Lecture, established in 1965 through the generosity of the Henderson family in honour of Dr. Donald Nelson Henderson, a valued member of our Department. Dr. Aidan Halligan, from University College London Hospitals in the UK, delivered a truly inspirational and engaging lecture on "Rediscovering Lost Values: Leadership in a Challenging Clinical Environment." In addition, Dr. Halligan met informally with multiple groups to discuss topics related to patient safety in specific clinical settings.

### Future Initiatives:

To enhance Resident research within the Department, the Research Committee, with support from the Residency Program Committee, will host interactive Resident Research Proposal Presentation Sessions. These sessions, which are in keeping with current APOG guidelines, will enable the residents to present their research ideas to interested faculty and peers and receive constructive feedback to improve and/or refine their research. We will be running two preliminary sessions in the summer of 2014, and hope to incorporate these into the Academic Half-day schedule for next year. The Committee will also work to implement directives stemming from the Department's Strategic Plan. Several workshops and sessions will bring together multiple facets of our Department to discuss common clinical questions leading to collaborative research. Research Day 2015 will take place at St. Michael's College on Friday, May 8<sup>th</sup>. Our Henderson Lecture will be delivered by Dr. Hamish Wallace, Professor and Consultant in Paediatric Oncology, Royal Hospital for Sick Children and University of Edinburgh, UK, on the topic of Oncofertility. We look forward to his insights in the consideration of improvements in cancer treatments that have led to increased survival and focused attention on quality of life issues, including fertility preservation. We also look forward to improvements in the Research Day 2015 mobile app and to enhanced integration of the Collaboration Corner.



# **SIGNIFICANT HONOURS & AWARDS**

## 2013-2014 DEPARTMENT AWARDS

### Chair's Awards

Rajiv Shah	Excellence in Undergraduate Teaching
Abeha Satkunaratnam	Excellence in Postgraduate Teaching
Sybil Judah	Excellence in Integrated Undergraduate Education
Mary Melchior	Excellence in Integrated Postgraduate Education
Danielle Vicus	Excellence in Postgraduate Program Development/Innovation
Colleen McDermott	Outstanding Research Potential
Lilian Gien	Outstanding Research Potential
Barry Rosen	Sustained Excellence in Research
Rory Windrim	Excellence in CME Teaching
Dan Farine	Excellence in CME Course Coordination

### Awards for Undergraduate Teaching Excellence

Scott Tigert	Credit Valley Hospital
Patrick Liao	Mississauga Hospital
Matthew Morton	Mount Sinai Hospital
Marcus Bernardini	Mount Sinai Hospital
Mondupe Tunde-Byass	North York General Hospital
Elaine Randy Herer	Sunnybrook Health Sciences Centre
Tatiana Freire-Lizama	St. Michael's Hospital
Sybil Judah	St. Joseph's Health Centre
Melissa Tai	Toronto East General Hospital

### Master Teacher Awards

Sybil Judah
Tatiana Freire-Lizama
Modupe Tunde-Byass



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## EXTERNAL HONOURS AND AWARDS

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### **Jon Barrett**

2013 Excellence in Research Award  
Association of Academic Professionals in Obstetrics and Gynaecology of Canada (APOG)

### **Howard Berger**

2013 Best Abstract in Breastfeeding Research Award  
American Academy of Pediatrics Section on Breastfeeding  
Orlando, Florida, USA

### **Dalip Bhangu**

2014 Clinical Office Teaching Commendation Award  
Faculty of Medicine, University of Toronto

2014 President's Award for Clinical Teaching  
Trillium Health Partners

### **Navid Esfandiari**

2013 ASRM Star Award  
68th Annual Meeting of the American Society for Reproductive Medicine

### **Clifford Librach**

2014 Best Presentation (Principal Investigator)  
International Society of Extracellular Vesicles  
Rotterdam, Netherlands

### **Roberta Mackenzie**

2014 Dr. John H. Fowler Excellence in Teaching Award

### **Mark Yudin**

2014 Abstract Award- Best Abstract, Clinical Sciences Track  
Antiretroviral drug use during pregnancy and risk of premature delivery: a retrospective matched cohort study  
Canadian Conference on HIV/AIDS Research, St. John's, Newfoundland, Canada

2014 National Faculty Award for Top Teacher of Residents  
The American College of Obstetrics and Gynecologist (ACOG)  
Council on Resident Education in Obstetrics and Gynecology



# PEER-REVIEWED PUBLICATIONS

## ORIGINAL RESEARCH

*This publication uses the Index Medicus style of citation.*

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## BOOK CHAPTERS

**Barrett J**. Twin Delivery, Method, Timing and Conduct. In: Sir Sabaratnam Arulkumaran, editor. *Best Practice and Research: Clinical Obstetrics and Gynaecology*. 2. 28. London (United Kingdom): Elsevier; February 2014. p. 327 to 332.

**Barrett J**. Twin and Triplet Delivery. In: Baskett T, Calder A, Arulkumaran S, editors. *Munro Kerrs's Operative Obstetrics*, 12<sup>th</sup> edition. Elsevier; January 2014.

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**Caniggia I**. Part III: Protocols for Studies of the Placenta and Pregnancy in Mice: III-24: Oxygen measurement and manipulation in implant sites. In: Croy A, Yamada A, DeMayo F, **Adamson SL**, editors. *The Guide to Investigations of Mouse Pregnancy*. Elsevier; January 2014.

Cooke L, **Caccia N**, De Rossi S, Espin S, Flynn L, Levinson W, Maudsley RF, Sivertz K, Smilovich M, Harris K. Chapter 5: Professionalism. In Frank, JR and Harris KA editors. *Competence by Design: Reshaping Canadian Medical Education*. Ottawa: Royal College of Physicians and Surgeons; 2014. p. 55-70.

**Hui D, Barrett J**. Mode of Delivery In Term and Preterm Twins: A Review. In: Lees C, editor. *Fetal and Maternal Medicine Review*. Cambridge; 2014. p. 1-11.

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**Shynlova O, Lye S**. Chapter 1, Regulation of Parturition. In: Croy A, Yamada A, DeMayo F, **Adamson SL**, editors. *The Guide to Investigations of Mouse Pregnancy*. Elsevier; January 2014. p. 2-13.

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## CASE REPORTS

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Aitken K, **Cram J, Raymond E, Okun N, Allen L, Windrim R**. "Mobile" Medicine: A Surprise Encounter with Placenta Percreta - Image of the Month. *J Obstet Gynaecol Can*. 2014 May;36(5):377-8.

Baud D, Van Mieghem T, **Windrim R**, Raio L, **Keunen J, Ryan G**. Urgent need for better education: example of maternal dyspnea in a twin pregnancy. *Prenat Diagn*. 2014 Jun 20. doi: 10.1002/pd.4437. Epub ahead of print.

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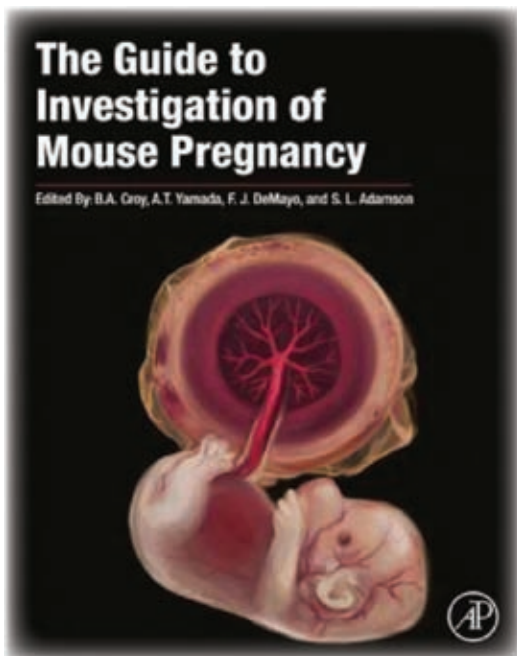
Sterling L, Boutet M, Colak E, **Lefebvre G**. Fibroid infected with *Escherichia coli* requiring surgical removal following uterine artery embolization. *J Obstet Gynaecol Can*. 2013 Sep;35(9):823-6.

# THE GUIDE TO INVESTIGATION OF MOUSE PREGNANCY

Edited by: Croy A, Yamada A, DeMayo F, Adamson SL

"The Guide to Investigation of Mouse Pregnancy" was a mammoth task, initiated by the first editor, Anne Croy. It is the first comprehensive book of its kind, and it was timely – an opportunity to capture the special skills and knowledge in my lab on the eve of its closure. In 1999, we were among the first to begin using mice for pregnancy research. It is amazing how far the field has come in the past 15 years. We contributed 6 chapters to the Guide's 71 chapters. The Guide covers all topics related to mouse pregnancy – from placental histology, to pregnancy biology, to practical lab protocols."

-SL Adamson



The Guide to Investigation of Mouse Pregnancy is the first publication to cover the mouse placenta or the angiogenic tree the mother develops to support the placenta. This much-needed resource covers monitoring of the cardiovascular system, gestational programming of chronic adult disease, epigenetic regulation, gene imprinting, and stem cells. Offering detailed and integrated information on how drugs, biologics, stress, and manipulations impact pregnancy in the mouse model, this reference highlights techniques used to analyze mouse pregnancy. Joining the ranks of much referenced mouse resources, The Guide to Investigation of Mouse Pregnancy is the only manual providing needed content on pregnancy in animal models for translational medicine and research.

-Elsevier, 2014



# INVITED LECTURES AND VISITING PROFESSORSHIPS

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## INTERNATIONAL

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**Adamson SL.** Genetics and fetoplacental vascularity in mice. Special DOHaD Seminar, Heart Research Center/Center for Developmental Health, Oregon Health Science University, Portland, Oregon, USA, 17 September 2013.

**Adamson SL.** Imaging in animal research. International Federation of Placental Associations (IFFPA), Whistler, British Columbia, Canada, 11-14 September 2013.

**Adamson SL.** Of mice and women: Can animal models reliably predict the behaviour of the human placenta? International Federation of Placental Associations (IFPA), Whistler, British Columbia, Canada, 11-14 September 2013.

**Allen L.** Hot topics: Top 3 papers PAG and adolescent medicine. 28<sup>th</sup> Annual Clinical Meeting of the North American Society of Pediatric and Adolescent Gynaecology (NASPAG), Philadelphia, Pennsylvania, USA, 24 April 2014.

**Allen L.** Abnormal uterine bleeding in the adolescent. Congreso Chileno de Obstetricia y Ginecologia, Vina del Mar, Santiago, Chile, 2 December 2013.

**Allen L.** Management of adnexal tumor in children and adolescent gynecology. Congreso Chileno de Obstetricia y Ginecologia, Vina del Mar, Santiago, Chile, 2 December 2013.

**Allen L.** Pelvic inflammatory disease in the adolescent - Unique aspects. Congreso Chileno de Obstetricia y Ginecologia, Vina del Mar, Santiago, Chile, 1 December 2013.

**Barrett J.** Twins - where do we go from here. Israel Association of Maternal Fetal Medicine, Jerusalem, Israel, December 2013.

**Bentov Y.** Ovarian Senescence. Ben Gurion University, Beer-Sheva, Hadarom, Israel, 30 June 2014.

**Bentov Y.** Ovarian Senescence. Technion University, Haifa, Israel, 27 June 2014.

**Bocking AD.** Probiotics and preterm birth. Siena Forum on Preterm Birth, Siena, Italy, 24 March 2014.

**Bocking AD.** Prevention of preterm birth: Is there a role for probiotics. School of Women's and Infants' Health, University of Western Australia, Perth, Australia, February 2014.

**Bocking AD.** Women's and children's health: A global imperative. Ritchie Centre, Monash University, Melbourne, Australia, February 2014.

**Caccia N.** Communication & conflict resolution: Playing together in the sandbox. St Lucas Andreas Hospital, Amsterdam, Netherlands, April 2014.

**Caccia N, Kjelland C, Nakajima A.** How to engage learners to improve uptake of the safety competencies in PGME. International Conference on Residency Education Workshop, Calgary, Alberta, Canada, October 2013.

**Caniggia I.** Disruption of sphingolipid metabolism augments placental autophagy. The Chemistry and Biology of Cell Death – Keystone Symposium, Santa Fe, New Mexico, USA, 20 February 2014.

**Caniggia I.** Deciphering the sphinx. Tox Talx 12, Mill Valley, California, USA, June 2013.

**Casper RF.** Diane and Morton Stenchever Memorial Lecture: Shift-work: The dark side of light. University of Buffalo, Department of Obstetrics and Gynaecology, Annual Research Day, Buffalo, New York, USA, 28 May 2014.

**Casper RF.** Dietary supplements for ART. Donor Egg Meeting, Charleston, South Carolina, USA, 8 March 2013.

**Casper RF.** Management of poor responders . Updates in Infertility, Prague, Czech Republic, 23 January 2014.

**Casper RF.** PCOS: Treatment of anovulatory infertility. American Society for Reproductive Medicine (ASRM) 69<sup>th</sup> Annual Meeting, Boston, Massachusetts, USA, 17 October 2013.

**Casper RF.** Clinical applications of cord blood stem cells. American Society for Reproductive Medicine (ASRM) 69<sup>th</sup> Annual Meeting, Boston, Massachusetts, USA, 15 October 2013.

**Casper RF.** Toxicology of the ovary. American Society for Reproductive Medicine (ASRM) 69<sup>th</sup> Annual Meeting, Boston, Massachusetts, USA, 13 October 2013.

**Casper RF.** Oocyte mitochondrial research. Ferring Scientific Advisory Board, Chicago, Illinois, USA, 20 September 2013.

**Drutz H.** What's new in the conservative treatment of OAB? Oman Society of Obstetricians and Gynaecologists (OSOG) and Sultan Qaboos University, Masqat, Oman, 3-6 December 2013.

**Drutz H.** Current surgical treatments for stress urinary incontinence (SUI): What's the Evidence? Oman Society of Obstetricians and Gynaecologists (OSOG) and Sultan Qaboos University, Masqat, Oman, 3-6 December 2013.

**Drutz H.** New Research into the use of autologous myocytes to treat SUI. Oman Society of Obstetricians and Gynaecologists (OSOG) and Sultan Qaboos University, Masqat, Oman, 3-6 December 2013.

**Farine D.** Cerclage for PTL - No! European Spontaneous Preterm Birth Conference, Svendborg, Denmark, 22 May 2014.

**Farine D.** Should we alter the criteria for diagnosing GDM following the hapo study. 19<sup>th</sup> World Congress on Controversies in Obstetrics, Gynecology & Infertility, Macau, China, 23 February 2014.

**Farine D.** Management of triplets: Whose guidelines should we follow? 19<sup>th</sup> World Congress on Controversies in Obstetrics, Gynecology & Infertility, Macau, China, 22 February 2014.

**Farine D.** Fetal monitoring vs. auscultation. 19<sup>th</sup> World Congress on Controversies in Obstetrics, Gynecology & Infertility, Macau, China, 22 February 2014.

**Farine D.** Advanced maternal age and obesity as indications for caesarean section. 19<sup>th</sup> World Congress on Controversies in Obstetrics, Gynecology & Infertility, Macau, China, 21 February 2014.

**Farine D.** C/S for all obese and older primipara. 18<sup>th</sup> World Congress on Controversies in Obstetrics, Gynecology and Infertility, Vienna, Austria, 26 October 2013.

**Farine D.** Auscultation in labor is the recommended technique by ACOG, RCOG and SOGC while 90% of patients are monitored electronically, why? 18<sup>th</sup> World Congress on Controversies in Obstetrics, Gynecology and Infertility, Vienna, Austria, 26 October 2013.

**Farine D.** Management of triplets pregnancy: 5 basic questions with audience answers. 18<sup>th</sup> World Congress on Controversies in Obstetrics, Gynecology and Infertility, Vienna, Austria, 25 October 2013.

**Farine D.** Total personal genome: Almost a reality, but should we go for it? 18<sup>th</sup> World Congress on Controversies in Obstetrics, Gynecology and Infertility, Vienna, Austria, 25 October 2013.

**Farine D.** Fetal kick count. Invited Speaker. Fetus as a Patient XXIX International Congress, Jakarta, Indonesia, 17 October 2013.

**Farine D.** Pre-term labour - An overview. Fetus as a Patient, XXIX International Congress, Jakarta, Indonesia, 16 October 2013.

**Ferguson S.** Gynecologic cancers in lynch syndrome. Collaborative Group of the Americas on Inherited Colorectal Cancer, Anaheim, California, USA, 8 October 2013.

**Gien L.** Endometriosis-Related Malignancies – Are they different from ovarian cancer? Gynecologic Oncology Group (GOG) Semi-Annual Meeting & Symposium, San Diego, California, USA, February 2014.

**Greenblatt E.** Fertility preservation in patients with sarcoma. International Sarcoma Symposium in Association with the Kristen Ann Carr Fund, Toronto, Ontario, Canada, 6 June 2014.

**Greenblatt E,** Simon A, Reve A. Endometriosis and infertility: The Canadian approach. Israeli ObGyn Association Conference, Jerusalem, Israel, 11 March 2014.

**Juriscova A.** How we failed to derive human TS cells. International Federation of Placental Associations (IFPA), Workshop on Novel Determinants of Cell Fate, Whistler, British Columbia, Canada, 11 September 2013.

**Kingdom J.** What's New in Obstetrics? – Pathogenesis, prevention, and management of severe pre-eclampsia. 46<sup>th</sup> Annual Meeting: Society for Obstetric Anesthesia and Perinatology 2014, Toronto, Ontario, Canada, May 2014.

**Kingdom J.** Intrauterine Growth Restriction: A Case-based Approach. Maternal-Fetal Imaging 2014 Advances in OB-GYN Ultrasound, San Antonio, Texas, USA, 24 January 2014.

**Kingdom J.** Obstetrical Doppler: A Case-based Approach. Maternal-Fetal Imaging 2014 Advances in OB-GYN Ultrasound, San Antonio, Texas, USA, 24 January 2014.

**Kingdom J.** A Fusion of Minds and Cytotrophoblasts. 4<sup>th</sup> Annual Meeting of the Israel Society for Placenta Research (ISPR), The Hebrew University of Jerusalem, Rehovot, Israel, 3 November 2013.

**Kingdom J.** Speaker. Placental Health Testing in Nulliparous Women: Obstetrics the 21<sup>st</sup> Century. Mother Infant Research Institute Seminar, Tufts Medical Center, Boston, Massachusetts, USA, 18 October 2013.

**Kingdom J.** Benefit of early identification of placental disorders. 2<sup>nd</sup> International Conference on Fetal Growth, University of Maryland, Baltimore, Maryland, USA, 20 September 2013.

**Kingdom J.** Clinicopathological correlates of doppler in fetal growth restriction. 2<sup>nd</sup> International Conference on Fetal Growth, University of Maryland, Baltimore, Maryland, USA, 20 September 2013.

**Kives SL.** Robotic Use in Pediatric Gynecology. North American Association of Pediatrics & Adolescent Gynecology (NASPAG), Annual Meeting, Philadelphia, Pennsylvania, USA, 24-26 April 2014.

Klatt ME, Moid F, **Wong S**, Maniate J. Facilitating IPE and collaboration through interactive teaching. Association for Medical Education in Europe (AMEE), Prague, Czech Republic, 24-28 August 2013.

**Kroft J.** Laparoscopic Suturing: The "vertical zone". American Association of Gynecologic Laparoscopists, Washington, District of Columbia, USA, 10 November 2013.

**Kroft J.** Taking your laparoscopic suturing skills to the next level. American Association of Gynecologic Laparoscopists, Washington, District of Columbia, USA, 10 November 2013.

**Murphy KE.** How antenatal corticosteroids (single and repeat) are being used across North America. Australian Research Centre for Health of Women and Babies, Corticosteroids and Preterm Birth Seminar, The University of Adelaide, Adelaide, Australia, 19 October 2013.

**Murphy KE.** MACS - How to run a large international trial. Australian Research Centre for Health of Women and Babies, Corticosteroids and Preterm Birth Seminar, The University of Adelaide, Adelaide, Australia, 19 October 2013.

**Nagy A.** Current Topics in Gene and Cell Technologies. Human Stem Cell Institute, Moscow, Russia, October 2013.

**Nagy A.** Transposition and Genome Engineering. Paul-Ehrlich-Institut, Budapest, Hungary, September 2013.

**Nagy A.** Developmental and Perinatal Physiology Course. Karolinska Institut, Stockholm, Sweden, August 2013.

**Rogers I.** Decellularized kidney-stem cell co culture systems. American Society for Nephrology, Atlanta, Georgia, USA, 10 November 2013.

**Rosen B.** Comparison of neoadjuvant vs. primary debulking surgery, Princess Margaret Experience. Kuwait Centre for Cancer Control, Kuwait, 3 February 2014.

**Ryan G.** Sacro-coccygeal teratoma: Prenatal diagnosis. 13<sup>th</sup> World Congress in Fetal Medicine, Nice, France, 30 June 2014.

**Ryan G.** Thoracic and bladder shunts. 13<sup>th</sup> World Congress in Fetal Medicine, Nice, France, 30 June 2014.

**Ryan G.** Tocolysis for fetal interventions. 13<sup>th</sup> World Congress in Fetal Medicine, Nice, France, 30 June 2014.

**Sermer M.** The need for proactive and coordinated management of the pregnant cardiac patient. International Congress on Cardiac Problems in Pregnancy, Venice, Italy, February 2014.



**Sermer M.** Obstetric management of women with cardiac disease. NASOM Annual Meeting. Providence, Rhode Island, USA, September 2013.

**Steinberg W.** Women's Health: Cases, insertion IUD, endometrial biopsy. CME Seacourses, Fort Lauderdale, Florida, USA, 23 March 2014.

**Steinberg W.** Endometriosis & Adenomyosis: Tips in diagnosis and management. CME Seacourses, Fort Lauderdale, Florida, USA, 22 March 2014.

**Steinberg W.** Sex and sexuality in the post-menopausal women. CME Seacourses, Fort Lauderdale, Florida, USA, 16 March 2014.

**Steinberg W.** How do you manage women with an adnexal mass? CME Seacourses, Fort Lauderdale, Florida, USA, 15 March 2014.

**Ternamian A.** Risk management in endoscopic surgery. Gynaecological Endoscopic and Reproductive Medicine Course: Hands-on Suturing and Hysteroscopy Course, University of Kiel, Department of Obstetrics and Gynaecology, Kiel, Germany, 4-9 June 2014.

**Ternamian A.** Total laparoscopic hysterectomy. Gynaecological Endoscopic and Reproductive Medicine Course: Hands-on Suturing and Hysteroscopy Course, University of Kiel, Department of Obstetrics and Gynaecology, Kiel, Germany, 4-9 June 2014.

**Ternamian A.** Complications in endoscopy. Annual Congress of the European Society of Gynecologic Endoscopy, Berlin, Germany, 16-20 October 2013.

**Ternamian A.** Complications Symposium. Annual Congress of the European Society of Gynecologic Endoscopy, Berlin, Germany, 17 October 2013.

**Ternamian A.** Laparoscopic access complications: What is the safest technique? Annual Congress of the European Society of Gynecologic Endoscopy, Berlin, Germany, 16-20 October 2013.

**Ternamian A.** Safe Peritoneal Access. Annual Congress of the European Society of Gynecologic Endoscopy, Berlin, Germany, 16-20 October 2013.

**Ternamian A.** Middle East Society for Gynecological Endoscopy Annual Congress: New Developments in Gynecological Endoscopy, Endoscopy Teaching for Generation Z, Dubai, United Arab Emirates, 24-26 April 2014.

**Thistle P.** Critical childbirth and women's issues. EQUIP Inc. and CMDA Missionary Medicine for Physicians, Marion, North Carolina, USA, 23-27 October 2013.

**Thistle P.** Cross cultural medicine. EQUIP Inc. and CMDA Missionary Medicine for Physicians, Marion, North Carolina, USA, 23-27 October 2013.

**Thistle P.** Medicine without instruments and laboratory. EQUIP Inc. and CMDA Missionary Medicine for Physicians, Marion, North Carolina, USA, 23-27 October 2013.

**Thistle P.** Syphilis and STIs in the developing world. EQUIP Inc. and CMDA Missionary Medicine for Physicians, Marion, North Carolina, USA, 23-27 October 2013.

**Thistle P.** Advances in labour and risk management. (ALARM) International Program, Society of Obstetrics and Gynaecology of Canada, Bulawayo, Zimbabwe, 16-20 September 2013.

**Whittle W.** Prematurity-Canadian vs US comparison. National Medical Association, USA, July 2013.

**Windrim R.** In-utero treatment of sacro-coccygeal teratomas. Fetoscopy 2013, Mumbai, India, 3 October 2013.

**Wolfman W.** Challenges in vaginal atrophy. North American Menopause Society, Dallas, Texas, USA, 9 October 2013.

**Wong S,** Rahman R, **MacKenzie R.** Case-of-the-day: The use of 3D perineal ultrasound in the enhanced diagnosis of vaginal masses. American Institute of Ultrasound in Medicine (AIUM), Las Vegas, Nevada, USA, March 2014.

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## NATIONAL

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**Adamson SL.** Role of genetics in placental circulatory development in mice. Joint CSATVB/Hypertension Canada Symposium, VASCULAR 2013 Conference, Montreal, Quebec, Canada, 17-20 October 2013.

**Allen L,** Miller D, Lara-Corrales I. Reducing the risk: Young women's "risk behaviour" and its sequelae. Society of Obstetricians and Gynecologists of Canada 70<sup>th</sup> Annual Clinical and Scientific Conference, Niagara Falls, Ontario, Canada, 10 June 2014.

**Allen L,** Copes D. Navigating care pathways & systems issues - Initiating communications between community providers and hospital providers. National Abortion Federation Risk Management Regional Meeting, Toronto, Ontario, Canada, 2 November 2013.

**Bentov Y.** New tools for fertility investigation and treatment. McMaster University, Cambridge, Ontario, Canada, 26 May 2014.

**Berger H.** New screening for gestational diabetes. Society of Obstetricians and Gynaecologists of Canada 70<sup>th</sup> Annual Clinical Meeting, Niagara Falls, Ontario, Canada, 13 June 2014.

**Berger H.** GDM: New guidelines. Medical Disorders in Pregnancy Symposium, Toronto, Ontario, Canada, 2 November 2013.

**Bernardini M.** Debate between neoadjuvant chemotherapy versus primary surgery for management of advanced ovarian cancer. Society of Gynecologic Oncology of Canada 70<sup>th</sup> Annual Clinical Meeting, Niagara Falls, Ontario, Canada, 14 June 2014.

**Brown TJ.** Origins of ovarian cancer: From basic insights to new screening strategies. Canadian Conference on Ovarian Cancer Research, Victoria, British Columbia, Canada, 26 May 2014.

**Brown TJ.** Origins of ovarian cancer: Genetic and environmental risk factors. 8<sup>th</sup> Canadian Conference on Ovarian Cancer Research, Victoria, British Columbia, Canada, 24 May 2014.

**Caccia N,** den Rooyen C. Strategic planning for medical education. Canadian Conference on Medical Education Workshop, Ottawa, Ontario, Canada, April 2014.

**Caccia N.** Developing a Canadian Ob Gyne CBME program. 42<sup>nd</sup> Annual APOG Meeting, Toronto, Ontario, Canada, 29 November to 1 December 2013.

**Caccia N,** Nakajima A, **Meffe F.** When the going gets tough, the tough get talking: Using multimedia to teach effective communication and conflict management. Canadian Conference on Medical Education Pre-Conference Workshop, Ottawa, Ontario, Canada, April 2014.

**Caccia N,** Nakajima A, **Meffe F.** When the going gets rough the tough get talking: Teaching communication and conflict management. International Conference on Residency Education Workshop, Calgary, Alberta, Canada, October 2013.

**Caccia N**, Nakajima A, Scheele F, den Rooyen C, Dore S, Kent N. The development of a Canadian competency based educational curriculum for postgraduate obstetrics and gynecology using the Dutch model (BOEG) as framework. Canadian Conference on Medical Education, Ottawa, Ontario, Canada, April 2014.

**Casper RF**. Medical management of endometriosis. CME, Peterborough ObGyn, Peterborough, Ontario, Canada, 29 May 2014.

**Casper RF**. Cord blood: Current and future uses. Grand Rounds, Stratford General Hospital, Stratford, Ontario, Canada, 23 May 2014.

**Casper RF**. Cord blood: Current and future uses. Grand Rounds, Montford Hospital, Ottawa, Ontario, Canada, 26 March 2014.

**Casper RF**. Shift-work: The dark side of light. Society of Obstetricians and Gynecologists of Canada, Toronto, Ontario, Canada, 29 November 2013.

**Casper RF**. Cord blood stem cells. Gynecology Grand Rounds, Royal Victoria Hospital, Montreal, Quebec, Canada, 28 November 2013.

**Casper RF**. New treatments for endometriosis. Association of Obstetricians and Gynecologists of Quebec, Quebec City, Quebec, Canada, 7 October 2013.

**Casper RF**. Canadian experience and usage of umbilical cord blood. Gynaecology Grand Rounds, Surrey General Hospital, Surrey, British Columbia, Canada, 11 September 2013.

**Casper RF**. Canadian experience and usage of umbilical cord blood. Gynaecology Grand Rounds, Abbotsford Hospital, Abbotsford, British Columbia, Canada, 10 September 2013.

**Casper RF**. Canadian experience and usage of umbilical cord blood. Gynaecology Grand Rounds, Royal Columbian Hospital, Vancouver, British Columbia, Canada, 9 September 2013.

**Chang P**. Can Dietary Supplements Affect Female Fertility? Advancing Wellness in Reproductive Health, University of Western Ontario, London, Ontario, Canada, 25 April 2014.

**Durand N**. Emerging Data on HPV and Vaccination - Eurogin 2013. ObGyn Grand Rounds, Sault Saint Marie Hospital, Sault Saint Marie, Ontario, Canada, May 2014.

**Durand N**. Ontario Cervical Screening Guidelines. Federation of Medical Women of Canada. January 2014.

**Durand N**. Improving Uptake of HPV Vaccination. ObGyn Grand Rounds, Sudbury Regional Hospital, Sudbury, Ontario, Canada, October 2013.

**Farine D**. Venous thromboembolism and pulmonary embolism in pregnancy. Society of Obstetricians and Gynecologists of Canada Annual Meeting, Niagara Falls, Ontario, Canada, 10 June 2014.

**Farrugia M**, Fellows F, Hammond C. Increasing the gestational limit at your facility. National Abortion Federation, Toronto, Canada, 5 November 2013.

**Farrugia M**, Lackie E, Carlisle S. Clinical challenges: Managing complications through case studies. National Abortion Federation, Toronto, Canada, 3 November 2013.

**Gien L.** Frequency of missing data from vulvar carcinoma pathology reports: Results from a population-based cohort. Gynecologic Oncology Rounds, Juravinski Cancer Centre, Hamilton, Canada, September 2013.

**Glass K.** There's an App for That. Society of Obstetricians and Gynaecologists of Canada, Toronto, Ontario, Canada, November 2013.

**Greenblatt E.** Best practice session: When to refer for ART. Society of Obstetricians and Gynaecologists of Canada Annual Meeting, Niagara Falls, Ontario, Canada, 13 June 2014.

**Greenblatt E.** Female infertility, your questions answered. 2013 OCH/POGO Survivor Conference, Pediatric Oncology Group of Ontario, Muskoka, Ontario, Canada, 4-6 October 2013.

**Hui D.** Pulmonary embolism and amniotic fluid embolism emergencies in obstetrics. Society of Obstetricians and Gynaecologists of Canada, Toronto, Ontario, Canada, November 2013.

**Kingdom J.** Why Screen for Placental Health? Dr. J. R. O'Brien Perinatal Lecture Series, Grand River Hospital, Michael G. DeGroote School of Medicine, Kitchener, Ontario, Canada, 23 June 2014.

**Kroft J.** Surgical management of endometriosis. Society of Minimally Invasive Gynaecology/Association of Professors of Obstetrics and Gynaecology of Canada, Toronto, Ontario, Canada, 27 November 2013.

**Maxwell C.** Obesity, an obstetric challenge. 2014 Health Symposium A CME event of the Black Physicians' Association of Ontario, Toronto, Ontario, Canada, 22 February 2014.

**Maxwell C.** Bariatric care of the obstetrical patient. Thunder Bay Regional Health Sciences Center and Health Sciences North, Toronto, Ontario, Canada, 4 February 2014.

**Maxwell C.** Obesity in pregnancy – An obstetric epidemic. Society of Obstetricians and Gynecologists of Canada Annual Meeting, Toronto, Ontario, Canada, 30 November 2013.

**Maxwell C.** The obese gravida: Managing the bariatric delivery. Grand River Hospital, Perinatal Education Rounds: Interdisciplinary Grand Rounds, Kitchener, Ontario, Canada, 19 September 2013.

**Murphy KE.** Antenatal corticosteroids: Where we have come from and where we are going. Dalhousie University Resident Research Day, Halifax, Nova Scotia, Canada, April 2014.

**Murphy KE.** HIV in pregnancy. Dalhousie University Resident Research Day, Halifax, Nova Scotia, Canada, April 2014.

**Murphy KE.** Antenatal corticosteroids: Where we have been and where we are going. McMaster University, Department of Obstetrics and Gynecology, 39th Annual RT Weaver Scientific Day, Hamilton, Ontario, Canada, October 2013.

**Murphy KE.** Positive women. McMaster University, Department of Obstetrics and Gynecology, 39th Annual RT Weaver Scientific Day, Hamilton, Ontario, Canada, October 2013.

Nakajima A, Straszak-Suri M, **Caccia N.** What you can learn when things (might) go bad: Patient safety, communication, & conflict management. Canadian Conference on Medical Education Workshop, Quebec City, Quebec, Canada, April 2013.

Nakajima A, McKenna J, Microys S, Wilson J, Neira V, Straszak-Suri M, **Caccia N**. Management of an adverse event: Approaches to teach, train, assess and support trainees and healthcare professionals. Canadian Conference on Medical Education Pre-Conference Workshop, Ottawa, Ontario, Canada, April 2014.

**Okun N**. Prenatal screening and diagnosis - Half-day session for ObGyn residents. University of Alberta, Edmonton, Alberta, Canada, April 2014.

**Okun N**. Prenatal screening: Can we get beyond Down Syndrome? The Ontario College of Family Physicians 51<sup>st</sup> Annual Scientific Assembly, Toronto, Ontario, Canada, 28-30 November 2013.

**Okun N**. Value of the first trimester scan in the era of non-invasive prenatal screening. The Ontario College of Family Physicians 51<sup>st</sup> Annual Scientific Assembly, Toronto, Ontario, Canada, 28-30 November 2013.

**Okun N**. The future of prenatal screening in Ontario. Queen's University, 36<sup>th</sup> Annual Memorial Program, Kingston, Ontario, Canada, October 2013.

**Okun N**. Prenatal screening in 2013: the impact of cell free DNA. University of Western Ontario, HH Allen Day, London, Ontario, Canada, 27 September 2013.

**Ornstein M**. Society of Obstetricians and Gynaecologists of Canada Advances in Labour and Risk Management (ALARM) Course. Ottawa, Ontario, Canada, 7-8 May 2014.

**Ornstein M**. Society of Obstetricians and Gynaecologists of Canada Advances in Labour and Risk Management (ALARM) Instructor Course. Scarborough, Ontario, Canada, March 2014.

**Pittini R**. Evaluations and examinations in undergraduate medical education. Otolaryngology - Head & Neck Surgery National Conference, Toronto, Ontario, Canada, 19 October 2013.

**Shier M**. Ontario cervical screening guidelines – An evidence-based program. Canadian Association of Ambulatory Care, Toronto, Ontario, Canada, 13 September 2013.

**Wolfman W**. Testosterone SERMS: What's new and what's coming. Society of Obstetrics and Gynecologists of Canada Annual Meeting, Niagara Falls, Ontario, Canada, 11 June 2014.

**Yudin MH**. HIV in pregnancy: From viral load to comprehensive care. Regina General Hospital Obstetrics and Gynecology Grand Rounds, Regina, Saskatchewan, Canada, 23 October 2013.

**Yudin MH**. HIV in pregnancy: Management issues. Association of Medical Microbiology and Infectious Diseases Canada (AMMI) 14<sup>th</sup> Annual Academic Conference for Fellows in Infectious Diseases & Microbiology, Toronto, Ontario, Canada, 12 August 2013.

## LOCAL

**Alarab M.** Conservative management of pelvic organ prolapse. Mature Women's Health Care, University of Toronto, Toronto, Ontario, Canada, 11 April 2014.

**Alarab M.** Platelet rich plasma in urogynecology: From basic science to clinical application. Mount Sinai Hospital, Grand Rounds, Toronto, Ontario, Canada, 7 February 2014.

**Allen E.** Abnormal uterine bleeding. Hospital for Sick Children, Pediatric Emergency Medicine Grand Rounds, Toronto, Ontario, Canada, 13 March 2014.

**Allen E.** Reproductive outcomes in women with DSD. Mount Sinai Hospital, CFRH Academic Rounds, Toronto, Ontario, Canada, 5 February 2014.

**Allen L, Dubuc E.** Health in women with bladder exstrophy/cloacal exstrophy and anorectal malformations. Hospital for Sick Children, Pediatric Gynaecology Round, Toronto, Ontario, Canada, 22 May 2014.

**Allen L.** Pelvic pain in adolescents. University of Toronto - Department of Obstetrics and Gynaecology, Pediatric and Adolescent Gynecology Review Day, Toronto, Ontario, Canada, 11 January 2014.

**Allen L, Hamilton J, Spitzer R.** Difficult cases. University of Toronto - Department of Obstetrics and Gynaecology, Pediatric and Adolescent Gynecology Review Day, Toronto, Ontario, Canada, 11 January 2014.

**Allen L, Whittle W.** Cervical insufficiency and the cervical-isthmic cerclage: An update. Mount Sinai Hospital, Obstetrics and Gynaecology Grand Rounds, Toronto, Ontario, Canada, 23 May 2014.

**Arthur R.** Infertility Royal College Exam Review. University of Toronto, Department of Obstetrics and Gynaecology, Toronto, Ontario, Canada, February 2014.

**Bentov Y.** Diet in PCOS. Toronto, Ontario, Canada, 13 May 2014.

**Berger H.** Diabetes in pregnancy. St. Joseph's Hospital, Grand Rounds, Ontario, Canada, 21 February 2014.

**Berger H.** CS Crisis 2013 - Where are we? How did we get here and where do we want to go? Preventing the First Cesarean Section, Mount Sinai Hospital, Toronto, Ontario, Canada, 1 November 2013.

**Berger H.** VBACCCC - Concerns, cases and controversies. University of Toronto, Preventing the First Cesarean Section, Mount Sinai Hospital, Toronto, Ontario, Canada, 1 November 2013.

**Berger H.** New GDM criteria. Toronto East General Hospital, Grand Rounds, Ontario, Canada, 30 October 2013.

**Berger H, Freire-Lizana T, Lausman A.** Cesarean section crisis! A look at the Cesarean section epidemic from a global and local perspective. St. Michael's Hospital, Grand Rounds presentations, Toronto, Ontario, Canada, 24 January 2014.

**Bernstein P.** Management of the second stage of labour. University of Toronto Department of Obstetrics and Gynaecology, Mount Sinai Hospital, Toronto, Ontario, Canada, 1 November 2013.

**Bernstein P.** CME Seminar: Preventing the first cesarean section: Management in labour & delivery. Mount Sinai Hospital/University of Toronto Department of Obstetrics and Gynaecology, Toronto, Ontario, Canada, 1 November 2013.

**Bhangu D.** Antenatal care seminar. University of Toronto, Mississauga Academy of Medicine, Mississauga, Ontario, Canada, 2014.

**Brown TJ.** Human research ethics. Department of Physiology Graduate Student Orientation, University of Toronto, Toronto, Ontario, Canada, 6 September 2013.

**Caccia N.** Competency based medical education: A primer. ObGyn Rounds, Humber River Hospital, North York, Ontario, Canada, February 2014.

**Caccia N.** Competency based medical education: The wave of the future. Department of Obstetrics & Gynaecology Grand Rounds, University of Toronto, Toronto, Ontario, Canada, February 2014.

**Caccia N.** Heavy menstrual bleeding in adolescents. Pediatric & Adolescent Gynaecology Review Day, University of Toronto, Toronto, Ontario, Canada, January 2014.

**Caccia N.** Competency based medical education 101. Grand Rounds, North York General Hospital, North York, Ontario, Canada, November 2013.

**Caccia N.** Gynaecological issues in Von Willebrand's Disease. Von Willebrand's Disease Education Day, Hospital for Sick Children, Toronto, Ontario, Canada, November 2013.

**Caccia N.** Communication and conflict resolution: Playing together in the sandbox. ObGyn Rounds, Humber River Hospital, North York, Ontario, October 2013.

**Casper RF.** Can we rejuvenate old eggs? CME, Isis Fertility Clinic, Mississauga, Ontario, Canada, 27 May 2014.

**Casper RF.** Uterine fibroids: Where have we been, where are we going? CME, Rosewater Club, Toronto, Ontario, Canada, 21 May 2014.

**Casper RF.** Dietary supplements for older infertility patients. CME Naturopathy Week Evening, TCART, Toronto, Ontario, Canada, 13 May 2014.

**Casper RF.** Cord blood: Current and future uses. CME, William Osler Hospital, Corporate Dinner/Rounds, Etobicoke, Ontario, Canada, 29 April 2014.

**Casper RF.** Endometriosis: Medical management. CME Humber River Hospital, Toronto, Ontario, Canada, 26 February 2014.

**Casper RF.** Circadian rhythms. Invited Lecturer. University of Toronto PSL 1024H, Advanced Topics in Neuroendocrinology, Toronto, Ontario, Canada, 14 February 2014.

**Casper RF.** Current uses of hematopoietic stem cells. Toronto East General Hospital, ObGyn Grand Rounds, Toronto, Ontario, Canada, 12 February 2014.



**Casper RF.** Endometriosis. AstraZeneca Pharmaceuticals, Corporate CME, Mississauga, Ontario, Canada, 6 February 2014.

**Casper RF.** Circadian rhythm and immune function. University of Toronto Immunology Seminar Series, Toronto, Ontario, Canada, 6 February 2014.

**Casper RF.** Can we rejuvenate old eggs? Lunenfeld-Tanenbaum Research Institute, Research Luncheon, Toronto, Ontario, Canada, 29 November 2013.

**Casper RF.** IVF and assisted reproductive technologies. University of Toronto PSL420, Toronto, Ontario, Canada, 21 November 2013.

**Casper RF.** Endometriosis. University of Toronto PSL1022, Toronto, Ontario, Canada, 30 October 2013.

**Cheng M.** Laparoscopic Hysterectomy. The Scarborough Hospital Surgical Staff Meeting, The Scarborough Hospital Birchmount Campus, Scarborough, Ontario, Canada, May 2014.

**Chitayat D, Okun N, Sroka H, Staines A.** Prenatal screening and diagnosis of genetic disorders: Changing paradigms. University of Toronto, Interhospital Rounds, Toronto, Ontario, Canada, April 2014.

**Drutz H.** Female pelvic medicine and reconstructive surgery in North America: Past, present and future. North York General Hospital, Urology, Gynaecology, and Surgical Grand Rounds, North York, Ontario, Canada, 16 April 2014.

**Drutz H.** Urogynaecology in Canada : Where did it come from ? Where is it at? Where does it need to go? 63<sup>rd</sup> Annual Marlow Lecture - Society of Obstetricians and Gynaecologists of Toronto (SOGT), Toronto, Ontario, Canada, 9 April 2014.

**Drutz H.** Clinical and basic science research in the division of urogynaecology. Mount Sinai Hospital, Obgyn Grand Rounds, Toronto, Ontario, Canada, 7 February 2014.

**Durand N.** Emerging data on HPV and vaccination - Eurogin 2013. Family Practice Grand Rounds, Etobicoke General Hospital, Etobicoke, Ontario, Canada, April 2014.

**Durand N.** Emerging data from Eurogin 2013 on HPV and vaccination. ObGyn Grand Rounds, Toronto East General Hospital, Toronto, Ontario, Canada, January 2014.

**Farine D.** Communications between counsel and experts Moore vs. Gutahun - Have we entered a new era? Borden, Ladner, Gervais. Toronto, Ontario, Canada, 25 March 2014.

**Farine D.** Ethics in obstetrics & gynecology. Mount Sinai Hospital, Perinatal Social Work, Toronto, Ontario, Canada, 28 February 2014.

**Farine D.** Decreased fetal movement: How are we ignoring the guidelines. 10<sup>th</sup> Annual OB Malpractice: A Survival Guide for 2014, Mount Sinai Hospital, Department of Obstetrics & Gynecology, Toronto, Ontario, Canada, 18 January 2014.

**Farine D.** Complex pregnancies and deliveries. Mount Sinai Hospital, Perinatal Social Work, Toronto, Ontario, Canada, 22 November 2013.

**Farrugia M.** Abortion care in Canada: An introduction. Med Students for Choice, Toronto, Ontario, Canada, 22 April 2014.

**Farrugia M,** Feuerstein E. Values clarification for abortion care. Med Students for Choice, Toronto, Ontario, Canada, 28 February 2014.

**Ferguson SE.** Universal screening for lynch syndrome in women with endometrial cancer. University of Toronto, Department of Obstetrics and Gynecology, Grand Rounds, Toronto, Ontario, Canada, 6 December 2013.

**Ferguson SE,** Pollett A. Universal screening for lynch syndrome in women with endometrial cancer. Mount Sinai Hospital Department of Obstetrics and Gynecology, Grand Rounds, Toronto, Ontario, Canada, 25 October 2013.

**Freire-Lizama T.** Quality care committee – OB year summary. St. Michael's Hospital, Department of Obstetrics and Gynecology, Grand Rounds, University of Toronto, Toronto, Ontario, Canada, 30 May 2014.

**Freire-Lizama T.** Hypertensive disorders of pregnancy. Women's College Hospital, Department of Family Medicine, Grand Rounds, Toronto, Ontario, Canada, 25 October 2013.

**Glass K.** Social media medical professionalism in a digital age. University of Toronto, Toronto, Ontario, Canada, October 2013.

**Greenblatt E.** CFRH: What we do with emphasis on innovative programmes. Mount Sinai Hospital Women's Auxilliary, Toronto, Ontario, Canada, 25 April 2014.

**Greenblatt E.** PGD and PGS: The 5 "Ws". St Micheals Hospital Dept ObGyn Grand Rounds, Toronto, Ontario, Canada, 31 January 2014.

**Greenblatt E.** Workshop for nurses regarding REI patients that are admitted to hospital with emphasis on pathophysiology, diagnosis and management of OHSS. REI at MSH Workshop, Toronto, Ontario, Canada, 15 August 2013.

**Hui D, Murphy K,** Shah P. Diagnostic tests. Clinical Epidemiology Course for University of Toronto Fellowship Programs in Obstetrics and Gynaecology, Toronto, Ontario, Canada, September 2013.

Hunter T, **Malinowski A.** A randomized trial of planned cesarean of vaginal delivery for twin pregnancy. Maternal Fetal Medicine Fellowship Academic Half Day Seminar, Toronto, Ontario, Canada, 31 January 2014.

Jones J, Howell D, **Ferguson SE,** Warde P, Truong T. Survivorship care planning: Transforming care processes to prevent "lost in transition". A pilot implementation project at the Princess Margaret Cancer Centre. Princess Margaret Innovation Rounds, Toronto, Ontario, Canada, 23 October 2013.

**Kives SL.** Women's Health Day : "Hot topics in contraception". St.Michael's Hospital, Toronto, Ontario, Canada, February 2014.

**Kives SL.** Debate: "Sterilization vs. menstrual supression in the adolescent with special needs." Hospital for Sick Children, Toronto, Ontario, Canada, January 2014.

Klatt ME, Moid F, **Wong S,** Maniate J. Facilitating interprofessional education and collaboration through interactive teaching. Family Medicine Academic Half Day, St. Joseph's Health Centre, Toronto, Ontario, Canada, 10 July 2013.

**Kroft J.** Surgical management of complex endometriosis. Abbvie Pharmaceuticals, Toronto, Ontario, Canada, 17 September 2013.

**Ladhani N.** Diagnosis and management of cervical insufficiency. Etobicoke General Hospital - William Osler Health Centre, Department of Obstetrics and Gynaecology, Grand Rounds presentation, Etobicoke, Ontario, Canada, 29 January 2014.

**Lausman A.** IUGR. Grand Rounds, Etobicoke General Hospital, Etobicoke, Ontario, Canada, 28 May 2014.

**Lausman A.** IUGR. Grand Rounds, Toronto East General Hospital, Toronto, Ontario, Canada, 23 April 2014.

**Lausman A.** IUGR. Grand Rounds, Mount Sinai Hospital, Toronto, Ontario, Canada, 28 March 2014.

**Lausman A.** IUGR guidelines. CME: MSH OB Medico-Legal Day, Toronto, Ontario, Canada, 18 January 2014.

**Lausman A.** IUGR guidelines. Society of Obstetricians and Gynaecologists of Canada (SOGC) Ontario CME, Ontario, Canada, 29 November 2013.

**Liu K.** Preimplantation genetic diagnosis and screening. Mount Sinai Hospital, Department of Genetics, Grand Rounds, Toronto, Ontario, Canada, 22 May 2014.

**Lovatsis D,** Frecker H. Gyn CQI - laparoscopic port site hernias: Case presentation and review. Mount Sinai Hospital Grand Rounds, Department of Obstetrics and Gynecology, Toronto, Ontario, Canada, 15 November 2013.

**Malinowski A.** Interpretation of laboratory investigations in pregnancy. Nursing Rounds, Medical Disease in Pregnancy Program, Mount Sinai Hospital, Toronto, Ontario, Canada, 9 December 2013.

**Malinowski A.** Code Omega: Management of massive PPH. CME: Medical disorders in pregnancy, Mount Sinai Hospital, Toronto, Ontario, Canada, 2 November 2013.

**Malinowski A.** The intrapartum management of twins. CME: Preventing the First Cesarean Section, Toronto, Ontario, Canada, 1 November 2013.

**Malinowski A.** Criteria for the anticoagulation of the pregnant patient. CME: Obstetric Anesthesia Conference and Workshop, Mount Sinai Hospital, Toronto, Ontario, Canada, 21 September 2013.

**Malinowski A,** D'Souza R, Gandhi S, **Keunen J, Murphy KE.** Panel: Difficult cases. Medical disorders in pregnancy, Mount Sinai Hospital, Toronto, Ontario, Canada, 2 November 2013.

**Maxwell C.** Update of MFM program, Mount Sinai Hospital. Maternal Fetal Medicine Academic Half Day Seminar, Toronto, Ontario, Canada, 20 June 2014.

**Maxwell C.** Review of Maternal Fetal Medicine Program at MSH - Review of goals & objectives of program. Toronto, Ontario, Canada, 23 May 2014.

**Maxwell C.** Managing obesity and the pregnant woman. Mount Sinai Hospital, General Internal Medicine, Obstetric Medicine Rounds, Toronto, Ontario, Canada, 10 January 2014.

**Maxwell C.** CME Workshop: University promotion and creative professional activities: What, how and when? Faculty Professional Development Day, Obstetrics & Gynaecology, University of Toronto, Toronto, Ontario, Canada, 23 October 2013.

**Maxell C.** Medical disorders of pregnancy: Difficult cases. Obstetrics & Gynaecology, University Of Toronto, Continuing Education, Toronto, Ontario, Canada, 2 November 2013.

McMahon E, **Liu K.** Fertility preservation. General surgery/ Obstetrics and Gynecology combined Grand Rounds, North York General Hospital, North York, Ontario, Canada, 21 May 2014.

**Meffe F.** Obstetrics and gynecology Clerkship: Preparing to deliver the obstetrics and gynecology seminars at Trillium Health Partners. Faculty Development Event for Obstetrics and Gynecology Faculty, Trillium Health Partners, Toronto, Ontario, Canada, October 2013.

**Meffe F.** Orientation of ASCM 2 tutors on the female pelvic examination. Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada, 16 September 2013.

**Moskovtsev S.** Current research on male infertility: Paternal contribution to embryo development. Department of Biomedical Sciences, University of Guelph, Guelph, Ontario, Canada, 11 November 2013.

**Moskovtsev S.** Spermatogenesis PSL 420F/1420F Reproductive Physiology. Department of Physiology, University of Toronto, Toronto, Ontario, Canada, 3 October 2013.

**Murphy KE.** Joint session on pediatric and obstetrical infections. Infectious Diseases/Microbiology Seminar, Toronto General Hospital, Toronto, Ontario, Canada, January 2014.

**Murphy KE.** The ABC's of hepatitis. University of Toronto, Medical Disorders in Pregnancy Conference, Mount Sinai Hospital, Toronto, Ontario, Canada, November 2013.

**Okun N.** NIPT and microarray. Mount Sinai Hospital, Continuing Medical Education, Toronto, Ontario, Canada, 6 June 2014.

**Okun N.** Changing paradigms in prenatal screening and diagnosis. St. Michael's Hospital, Grand Rounds, Toronto, Ontario, Canada, May 2014.

**Okun N.** NIPT update and MSH experience. Mount Sinai Hospital, Fetal Medicine Rounds, Toronto, Ontario, Canada, March 2014.

**Okun N.** Fetal karyotype from maternal blood (NIPT). Mount Sinai Hospital, OB Malpractice: A Survival Guide for 2014, Toronto, Ontario, Canada, January 2014.

**Okun N.** Directions for prenatal screening in Ontario. North York General Hospital, Genetic Grand Rounds, Toronto, Ontario, Canada, January 2014.

**Pittini R.** Trauma in the obstetrical patient. Sunnybrook Health Sciences Centre, Continuing Education and Professional Development, Toronto, Ontario, Canada, 10 January 2014.

**Pittini R.** Effective teaching: Optimizing your teaching performance. Department of Obstetrics and Gynaecology, University of Toronto, Toronto, Ontario, Canada, 23 October 2013.

**Pittini R.** Evaluation of CanMeds competencies in ASCM 1&2. Undergraduate Medical Education, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada, 21 October 2013.

**Pittini R.** Update on UME data confidentiality statement and teacher evaluation appeals. Faculty Council, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada, 21 October 2013.

**Rogers I.** Stem cells for regenerative medicine: 3D culture systems. University of Toronto, CREMS, Toronto, Ontario, Canada, 12 June 2014.

**Rogers I.** Treatment of PVD and non-healing wounds with stem cells. University of Toronto, Department of Physiology, Toronto, Ontario, Canada. 11 June 2014.

**Rogers I.** Trogocytosis not exosomes is the cause of donor cell engraftment. Exosome Research Group, Toronto, Ontario, Canada, 13 March 2014.

**Rogers I,** Turnbull B, Atkins H, **Brown A.** Stem cells: Hope versus hype. Stem Cell Talks, Toronto, Ontario, Canada, 7 March 2014.

**Rogers I.** Umbilical cord blood cells to treat diabetic wounds. CReATe Clinic Medical Rounds, Toronto, Ontario, Canada, 21 February 2014.

**Rogers I.** Development of cell based therapies for the treatment of various diseases. Institute of Medical Science, University of Toronto, Toronto, Ontario, Canada, 28 January 2014.

**Rogers I.** Induced pluripotent stem cells and therapeutic uses. Centre for Fertility and Reproductive Health (CFRH), Mount Sinai Hospital, Toronto, Ontario, Canada, 12 December 2013.

**Rosen B.** Gynecologic oncology in Kenya: Building a program. Princess Margaret Innovation Rounds, Toronto, Ontario, Canada, 22 May 2014.

**Rosen B.** Survival in ovarian cancer: Surgery or neoadjuvant chemotherapy-which is better? St. Michael's Hospital Grand Rounds, Toronto, Ontario, Canada, 28 February 2014.

**Rosen B.** Survival in ovarian cancer: Surgery or neoadjuvant chemotherapy-which is better? Credit Valley Hospital Grand Rounds, Toronto, Ontario, Canada, 8 January 2014.

**Ryan G.** Multiples in early pregnancy. 17<sup>th</sup> Women's Imaging: Advances in gynaecologic imaging & first trimester ultrasound, University of Toronto, Departments of Medical Imaging and Obstetrics & Gynaecology, Toronto, Ontario, Canada, 23 February 2014.

**Ryan G.** Welcome and introduction to 17<sup>th</sup> Women's Imaging: Advances in Gynaecologic Imaging & First Trimester Ultrasound. University of Toronto Depts of Medical Imaging and Obstetrics & Gynaecology, 17<sup>th</sup> Women's Imaging Advances in Gynaecologic Imaging & First Trimester Ultrasound, University of Toronto, Toronto, Ontario, Canada, 21 February 2014.

**Ryan G.** Twin-twin transfusion syndrome. Fetal Teaching Session, The Hospital for Sick Children- Dept of Cardiology, Toronto, Ontario, Canada, 13 February 2014.

**Seaward G.** Quality improvement and patient safety. Mount Sinai Hospital, Department of Obstetrics and Gynecology, Grand Rounds, Toronto, Ontario, Canada, 30 May 2014.

**Seaward G.** Quality improvement and patient safety. University of Toronto Post Graduate Office, Fellowship Seminar, Toronto, Ontario, Canada, 17 March 2014.

**Seaward G, Greenblatt E.** QA, QIPS in an ambulatory setting. Mount Sinai Hospital, Academic Rounds, Centre for Fertility and Reproductive Health, Toronto, Ontario, Canada, 25 June 2014.

**Selk A.** Vulvar disorders: The good, the bad and the ugly. Mount Sinai Hospital Gynecology CME, Toronto, Ontario, Canada. 22 November 2013.

**Sermer M.** Cardiac disease in pregnancy. MotherRisk Rounds, The Hospital for Sick Children, Toronto, Ontario, Canada, 9 August 2013.

**Shapiro J, Jolliffe C.** Ethical considerations in gynaecology. University of Toronto, Toronto, Ontario, Canada, 17 June 2013.

**Shier M.** The tooth fairy approach to vulvar disease. Obstetrics and Gynaecology Grand Rounds, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada, 25 April 2014.

**Shier M.** Cervical cytology screening and management of abnormal results for the primary care provider. St Michaels Hospital 5<sup>th</sup> Annual Women's Health Day, University of Toronto, Toronto, Ontario, Canada, 8 February 2014.

**Spitzer R.** Adolescent pregnancy. Maternal Fetal Medicine Fellowship Program, University of Toronto, Toronto, Ontario, Canada, 6 June 2014.

**Spitzer R, Sappleton K, Hoyle C.** Cultural competence in the care of young women in your practice. Pediatric and Adolescent Gynecology Review Day, Toronto, Ontario, Canada, 11 January 2014.

**Steinberg W.** Abnormal uterine bleeding: Primary Care Today. Family & Community Medicine University of Toronto, Toronto, Ontario, Canada, 8 May 2014.

**Steinberg W.** You're still hot, only now it comes in waves. MEDCAN Women's Health Forum, Toronto, Ontario, Canada, 4 May 2014.

**Steinberg W.** Female sexuality. MEDCAN Clinical Update 2013, MEDCAN Clinic, Toronto, Ontario, Canada, 21 September 2013.

**Tai M, Lee S, Visram S.** Non-English maternal primary language is associated with increased risk of traumatic vaginal births. Most Responsible Physician Quality Program (MRP QIP), Toronto East General Hospital, Toronto, Ontario, Canada, December 2013.

**Whittle W.** Minor trauma (fall and fender bender): How to avoid the pitfalls. Obstetrical Malpractice-A survival Guide for 2014, University of Toronto, Mount Sinai Hospital, Toronto, Ontario, Canada, 18 January 2014.

**Windrim R.** Teaching by pretending - Roles for simulation in maternity care education. University of Toronto & Mount Sinai Hospital, 12<sup>th</sup> Annual Refresher in Primary Maternity Care, Toronto, Ontario, Canada, 6 June 2014.

**Windrim R.** Practical aspects of high fidelity simulation. University of Toronto & Mount Sinai Hospital, 12<sup>th</sup> Annual Refresher in Primary Maternity Care, Toronto, Ontario, Canada, 6 June 2014.

**Windrim R.** Difficult situations: Caregivers responses when a complaint is made. University of Toronto & Mount Sinai Hospital, 12<sup>th</sup> Annual Refresher in Primary Maternity Care, Toronto, Ontario, Canada, 6 June 2014.

**Windrim R.** Abnormal labour and emergencies, Part II. University of Toronto & Mount Sinai Hospital, Toronto, Ontario, Canada, 29 April 2014.

**Windrim R.** Ultrasound should replace the digital vaginal exam in routine office gynaecology. 17<sup>th</sup> Annual women's imaging: Advances in Gynaecologic Imaging & First Trimester Ultrasound, University of Toronto Departments of Medical Imaging and Obstetrics & Gynaecology, Toronto, Ontario, Canada, 21 February 2014.

**Wolfman W.** Update on premature ovarian failure. Mount Sinai Hospital, Gynaecologic Reproductive Endocrinology and Infertility Grand Rounds, Toronto, Ontario, Canada, 23 April 2014.

**Wolfman W.** Update in menopause-Women's core day. Residents and Fellows Women's Health Program, Women's College Hospital, Toronto, Ontario, Canada, 5 March 2014.

**Wolfman W.** Update on menopause. St. Michael's Hospital, Family Practice Grand Rounds, Toronto, Ontario, Canada, 23 January 2014.

**Wolfman W.** Everyday gynecology. Department of Obstetrics and Gynaecology University of Toronto, Toronto, Ontario, Canada, 29 November 2013.

**Wolfman W, Rich R.** Premenstrual syndrome and premenstual dysphoria disorder. Department of Obstetrics and Gynaecology Resident Education, Toronto, Ontario, Canada, 23 April 2014.

**Wong S, Weiss J.** Issues down south ( and we don't mean Florida). Medcan Women's Health Forum, Toronto, Ontario, Canada, May 2014.

**Wong S.** Obstetrical ultrasound. University of Toronto Resident Teaching Half Day, Toronto, Ontario, Canada, October 2013.

**Yudin MH.** Specific gynaecological health considerations for women with HIV. St. Michael's Hospital Annual Women's Health Symposium, St. Michael's Hospital and University of Toronto Department of Obstetrics and Gynecology, Toronto, Ontario, Canada, 8 February 2014.

**Yudin MH.** Gonorrhoea- where do we go with no antibiotics? Pediatric Adolescent Gynaecology Review Day, Hospital for Sick Children and University of Toronto Department of Obstetrics and Gynecology, Toronto, Ontario, Canada, 11 January 2014.

**Yudin MH.** HIV in pregnancy: What you should know. University of Toronto, Department of Obstetrics and Gynecology Resident Teaching Lecture Series, Toronto, Ontario, Canada, 22 October 2013.



# ORAL AND POSTER PRESENTATIONS



## INTERNATIONAL MEETINGS

Abdelmutti N, Papadakos J, **Ferguson S**, Trang A, Bussiere-Cote S, Friedman AJ, Catton P. A process for developing clinically integrated, evidence informed patient education resources: The Gynecologic Cancer Patient Education Pathway. International Cancer Education Conference, Seattle, Washington, USA, 18 September 2013.

Abu Awad N, Jordan T, Mundle R, **Farine D**. Reduced fetal movements - Management and outcome. Society for Maternal/Fetal Medicine, New Orleans, Louisiana, USA, 5 February 2014.

Bapat P, **Berger H**. The transfer of dabigatran across a dually perfused isolated human placental cotyledon: Implications for therapy in pregnancy. American Society of Clinical Pharmacology and Therapeutics Annual Meeting, Atlanta, Georgia, USA, 21 March 2014.

Bapat P, **Berger H**. The transfer of dabigatran and rivaroxaban across a dually perfused isolated human placental cotyledon: Implications for therapy in pregnancy. American Society of Hematology Annual Meeting and Exposition, New Orleans, Louisiana, USA, 7 December 2013.

Barbera L, **Gien L**, Sutradhar R, **Thomas G**, **Covens A**, Elit L, **Fyles A**, Rakovitch E, **Khalifa M**. Frequency of missing data from vulvar carcinoma pathology reports: Results from a population-based cohort. Society of Gynecologic Oncology (SGO) 45<sup>th</sup> Annual Meeting on Women's Cancers, Tampa Bay, Florida, USA, March 2014.

**Barrett J**, **Asztalos E**, Willan A, **Hannah M**, Hutton E, Allen A, Armson BA, Gafni A, Joseph K, **Ohlsson A**, Ross S. Twin Birth Study: An analysis of the predictors for a successful planned vaginal twin birth. Society for Maternal Fetal Medicine, New Orleans, Louisiana, USA, 2 February 2014.

**Barrett J**, **Asztalos E**, Willan A, **Hannah M**, Hutton E, Allen A, Armson BA, Gafni A, Joseph K, **Ohlsson A**, Ross S. Twin Birth Study: Neonatal and maternal outcomes in induction pregnancies. 34<sup>th</sup> Annual Meeting of the Society for Maternal Fetal Medicine, New Orleans, Louisiana, USA, 2 February 2014.

Ben-Meir A, Wong E, Borrego-Alvarez A, **Casper RF**, **Juriscova A**. Disruption of Pdss2, enzyme involved in CoQ10 synthetic pathway, leads to premature ovarian failure. Society of Gynecology Investigation (SGI), Jerusalem, Israel, 28-30 May 2013.

**Bentov Y**. The use of Co-enzyme Q10 to reduce oocyte aneuploidy in women undergoing IVF treatment. 3<sup>rd</sup> Annual Meeting of the International Society of Antioxidants in Nutrition & Health, Paris, France, 22 May 2014.

**Bentov Y**, **Esfandiari N**, **Casper RF**. Trophectoderm biopsy for aneuploidy screening using different platforms and conflicting test results. European Society of Human Reproduction and Embryology 30<sup>th</sup> Annual Meeting, Munich, Germany, 30 June 2014.

Coles N, Bremer K, **Kives S**, Hamilton J. The utility of oral glucose tolerance test to assess for glucose abnormalities in adolescents with polycystic ovarian syndrome. North American Association of Pediatrics & Adolescent Gynecology (NASPAG) Annual Meeting, Philadelphia, Pennsylvania, USA, 24-26 April 2014.

Cybulska P, Stewart J, Clarke B, Neel B, **Bernardini M**. Ovarian high grade serous cancer xenografts as pre-clinical models of response to chemotherapy. Society of Gynecologic Oncology (SGO) 45<sup>th</sup> Annual Meeting on Women's Cancers, Tampa Bay, Florida, USA, 22 March 2014.

Dar S, **Librach C**, Shah P. Singleton pregnancy outcomes after blastocyst versus cleavage stage embryo transfer: A systematic review and meta-analysis. Principal Investigator. 69<sup>th</sup> American Society of Reproductive Medicine, Boston, Massachusetts, USA, 14 October 2013.

Deprest J, Jani J, **Ryan G**, Ville Y, Benachi A, Berg C. Organization in the Netherlands. 13<sup>th</sup> World Congress in Fetal Medicine, Nice, France, 30 June 2014.

Eiriksson L, Millar H, Lennox G, Reade C, Leung F, Diamandis E, Kulasingam V, **Murphy KJ, Ferguson S, Bernardini M**. The usefulness of ovarian cancer risk scoring in the discrimination of an isolated pelvic mass. Society of Gynecologic Oncology (SGO) 45<sup>th</sup> Annual Meeting on Women's Cancers, Tampa Bay, Florida, USA, 22 March 2014.

**Esfandiari N, Bentov Y**, Sultan M, Dela Cruz D, Gokturk A, **Casper RF**. Trophoctoderm biopsy for aneuploidy screening and conflicting test results. 69<sup>th</sup> American Society for Reproductive Medicine (ASRM) Annual Meeting, Boston, Massachusetts, USA, 12-17 October 2013.

**Gien L**, Sutradhar R, **Thomas G, Covens A**, Elit L, Rakovitch E, **Fyles A, Khalifa M**, Barbera L. Patient, tumor, and health system factors affecting groin node dissection rates in vulvar carcinoma: results from a population-based analysis. Society of Gynecologic Oncology (SGO) 45<sup>th</sup> Annual Meeting on Women's Cancers, Tampa Bay, Florida, USA, 22-25 March 2014.

Gladanac B, Jonkman J, **Casper RF**, Rahman SA. Short wavelengths mediated polychromatic photic phase shifts in an intensity-dependent manner. 13<sup>th</sup> Congress of the European Biological Rhythms Society, Ludwig-Maximilians University, Munich, Germany, 20 August 2013

Gomaa H, **Wolfman W**. Novel regimen of Hormone Replacement Therapy: Efficacy and safety of transdermal estrogen plus intermittent progesterone. Dallas, Texas, USA, 9 October 2013.

Green J, Kahan M, **Wong S**. Do women's health care professionals perceive a need for more pelvic ultrasound training in Canadian ObGyn residency programs? Presenter/Supervisor. American Institute of Ultrasound Medicine (AIUM) Annual Convention, Nevada, USA, 29 March – 2 April 2014.

Green J, Kahan M, **Wong S**. Is the current level of GYN ultrasound training meeting the needs of residents? Presenter/Supervisor. American Institute of Ultrasound Medicine (AIUM) Annual Convention, Nevada, USA, 29 March – 2 April 2014.

Itsura P, Omenge E, Muliro H, van Lonkjuizen L, **Rosen B**. Neoadjuvant cisplatin for cervical cancer at Moi Teaching and Referral Hospital, Eldoret, Kenya: Two year experience. African Organization for Research & Training In Cancer (AORTIC), Durban, South Africa, 21-24 November 2013.

Kelly L, **Lausman A, Berger H**. An intervention study for reducing central nervous system depression among neonates exposed to codeine through breast milk. American Academy of Pediatrics (AAP) National Conference and Exhibition, Orlando, Florida, USA, 26 October 2013.

**Kroft J**. First versus second generation endometrial ablation for treatment of menorrhagia: A health technology assesment. American Association of Gynecologic Laparoscopists, Washington, District of Columbia, USA, November 2013.

**Kupets R**. Patterns of care of women with low grade cervical cytologic abnormalities. Society of Gynecologic Oncology (SGO) 45<sup>th</sup> Annual Meeting on Women's Cancers, Tampa Bay, Florida, USA, 23 March 2014.

Li A, **Wolfman W**. Female genital graft versus host disease. International Menopause Society, Cancun, Mexico, 3 May 2013.

**Liao P, Berger H.** Using estimated fetal weight at level II ultrasonography to predict gestational diabetes mellitus and newborn macrosomia. European Congress Perinatal Medicine, Florence, Italy, 4 June 2014.

Mackie P, **Moskovtsev S**, Kenigsberg S, **Librach C.** Identifying unique proteins following immunoisolation of exosomes derived from the epididymis, prostate and seminal vesicle. International Society of Extracellular Vesicles, Rotterdam, Netherlands, 30 April 2014.

Martin N, Jessen J, Barr C, **Clarke JTR, Chong K, Chitayat D.** Gonadal Mosaicism in split hand/foot malformation: Implications for genetic counselling. European Society of Human Genetics Annual Meeting, Milan, Italy, 31 May - 3 June 2014.

Masih H, **Lausman A, Berger H.** Vitamin B12: Dietary intake, supplement use and serum concentrations in a cohort of Canadian pregnant women and in umbilical cord blood. Experimental Biology 2014, San Diego, California, USA, 27 April 2014.

Medel S, **Shynlova O**, Rybak Y, **Drutz H, Alarab M.** Attachment of primary vaginal fibroblasts to absorbable and non-absorbable implant materials coated with platelet rich plasma: potential role in Pelvic Organ Prolapse surgery. 61<sup>st</sup> Annual Meeting of the Society for Gynecologic Investigation, Florence, Italy, March 2014.

Melamed N, **Berger H.** The impact of the IADPSG Criteria on the diagnosis of gestational diabetes. The Society for Maternal-Fetal Medicine 34<sup>th</sup> Annual Meeting, New Orleans, Louisiana, USA, 6 February 2014

Morency AM, Milligan N, Wright E, **Keating S**, Shah P, Levytska K, **Kingdom J.** Multiparameter screening for placental disease in healthy nulliparous women. 34<sup>th</sup> Annual Meeting of the Society for Maternal Fetal Medicine: The Pregnancy Meeting, New Orleans, Louisiana, USA, 3-8 February 2014.

**Moskovtsev S.** Evaluation of sperm DNA damage and aneuploidy in male survivors of pediatric Hodgkin's lymphoma. 39<sup>th</sup> American Society of Andrology Annual Meeting, Atlanta, Georgia, USA, 7 April 2014.

**Moskovtsev S**, Dacanay, D, **Baratz A, Sharma P, Glass K, Librach C.** Significant increase in utilization of donor sperm by lesbian couples after the ligation of same sex marriages in Ontario, Canada. 69<sup>th</sup> American Society of Reproductive Medicine Annual Meeting, Boston, Massachusetts, USA, 14 October 2013.

Nadeem L, **Shynlova O, Dong X, Lye S.** Progesterone Receptor A mediates de-repression of Connexin43 expression. 61<sup>st</sup> Annual Meeting of the Society for Gynecologic Investigation, Florence, Italy, 27 March 2014.

Nguyen T, **Shynlova O, Lye SJ.** Investigating the role of myometrial matrix metalloproteinases and their tissue inhibitors during gestation and term labour. 61<sup>st</sup> Annual Meeting of the Society for Gynecologic Investigation, Florence, Italy, March 2014.

**Okun N**, Dougan S, Wright D, Teitelbaum M, Sprague A, Walker M, Huang T. A Canadian provincial approach to performance evaluation and quality assurance of prenatal screening through the Better Outcomes Registry & Network. Fetal Medicine Foundation United Kingdom, Nice, France, 30 June 2014.

**Okun N**, Hayeems R, Huang T, Teitelbaum M, Dougan S, Sprague A, Chakraborty P, Walker M, Dennis A. Leveraging non-invasive prenatal testing in ontario to advocate for an improved provincial prenatal screening program. Fetal Medicine Foundation United Kingdom, Nice, France, 30 June 2014.

**Okun N**, Sroka H, **Chitayat D**, Staines A, Kolomietz E, Bowman K. Proposing a new prenatal chromosome microarray algorithm: Balancing autonomy and minimizing harm. Prenatal Molecular Diagnostics Europe Conference: Cambridge Healthtech Institute, Lisbon, Portugal, 12 May 2014.

Omeng E, Itsura P, Oguda J, Mwendwa K, van Lonkjuizen L, **Rosen B**. A Multi-faceted intervention to reduce loss to follow up in a cervical cancer screening programme. African Organization for Research & Training In Cancer (AORTIC), Durban, South Africa, 21-24 November 2013.

Oyewumi L, **Allen L, Kives S**. The utility of routine ultrasound in the diagnosis and management of adolescents with abnormal uterine bleeding. North American Society of Pediatric and Adolescent Gynaecology (NASPAG) 28<sup>th</sup> Annual Clinical Meeting, Philadelphia, Pennsylvania, USA 24 April 2014.

Reid M, **Fong K, Keating S, Viero S, Chong K**. Perinatal hypophosphatasia: A case of extreme intrafamilial variability. European Society of Human Genetics Annual meeting, Milano, Italy, June 2014.

**Rosen B, Dodge J, Giede C, Bernardini M**, Sinasac S, Elit L. Implementation of radical hysterectomy surgery in western Kenya. African Organization for Research & Training In Cancer (AORTIC), Durban, South Africa, 21-24 November 2013.

**Ryan E**. Pregnancy rates (IVF) in patients with diminished ovarian reserve treated with dehydroepiandrosterone (DHEA) or DHEA with coenzyme Q10 (CoQ10) (168 cycles in women 35-43). American Society for Reproductive Medicine (ASRM) Annual Meeting, Boston, Massachusetts, USA, 12-17 October 2013.

Santos X, **Allen L**. Disorders of sexual development. North American Society of Pediatric and Adolescent Gynaecology (NASPAG) 28<sup>th</sup> Annual Clinical Meeting, Philadelphia, Pennsylvania, USA 24 April 2014.

**Selk A**. A survey of members of the International Society for the Study of Vulvovaginal Diseases regarding the treatment of vulvar lichen sclerosus. ISSVD, Italy, 8 October 2013.

Shlush E, Maghen L, Bhorat S, Vainder M, Kenigsberg S, **Moskovtsev S**, Gauthier-Fisher A, **Librach C**. Human umbilical cord-derived perivascular cells differentiate into germ cell- and Sertoli-like cells in vitro and promote seminiferous tubule regeneration in a mouse MEHP-induced testis injury model. 69<sup>th</sup> American Society of Reproductive Medicine Annual Meeting, Boston, Massachusetts, USA, 14 October 2013.

Sohn B, **Ternamian A**. Arnold Chiari Malformation in laparoscopy. Annual Congress of the European Society of Gynecologic Endoscopy, Berlin, Germany, 16-19 October 2013.

Sohn B, Vilos G, Vilos A, **Ternamian A**. Resectoscopic rollerball endometrial ablation and concomitant levonorgestrel-releasing intrauterine system in women with abnormal uterine bleeding. Annual Congress of the European Society of Gynecologic Endoscopy, Berlin, Germany, 16-19 October 2013.

Szaraz P, Hong S, Librach M, Maghen L, Gauthier-Fisher A, **Librach C**. Evaluation of human umbilical cord-derived perivascular cells in cardiac regeneration. MSC 2013 Adult Stem Cell Therapy & Regenerative Medicine, Cleveland, Ohio, USA, 19 August 2013.

van Lonkjuizen L, Itsura P, Omeng E, Muliro H, **Rosen B**. Cisplatin for the palliative treatment of cervical cancer at Moi Teaching and Referral Hospital, Eldoret, Kenya: A two year experience. African Organization for Research & Training In Cancer (AORTIC), Durban, South Africa, 21-24 November 2013.

Van Mieghem T, De Heus R, Lewi Liesbeth, Klaritsch P, Kollmann M, Baud D, Vial Y, Ranzini A, Mason L, Shah P, **Barrett J, Ryan G**. Perinatal management of monoamniotic twins: impact on outcomes. 34<sup>th</sup> Annual Meeting of the Society for Maternal Fetal Medicine, New Orleans, Louisiana, USA, 2 February 2014.

Visentin C, **Lausman A, Berger H**. Dietary intake and blood levels of choline in a cohort of Canadian pregnant women and newborn infants. Experimental Biology 2014, San Diego, California, USA, 28 April 2014.

Weintraub A, Mitri F, **Esfandiari N**, **Bentov Y**, **Chang P**, McNaught J, Hershko-Klement A, Behan LA, Coogan-Prewer J, **Casper RF**. A pilot study to evaluate oocyte fertilization rate and embryo quality using an intravaginal device (INVOcell (TM)). The Annual Meeting of the Israel Fertility Association, Tel-Aviv, Israel, May 2014.

Whyte H, **Allen L**, **Kirkham Y**. Use of ultrasound prior to insertion of levonorgestrel intrauterine system for menstrual suppression in adolescents with developmental disabilities. 28<sup>th</sup> Annual Clinical Meeting, North American Society of Pediatric and Adolescent Gynaecology (NASPAG), Philadelphia, Pennsylvania, USA, 24 April 2014.

**Wolfman W**. Female Genital Tract Graft vs Host Disease (GVHD): A current retrospective patient review. International Menopause Society, Cancun, Mexico, May 2014.

Yang SW, Li W, **Shynlova O**, **Lye S**, **Challis JR**, Reid G, Gloor GB, **Bocking AD**. Oral administration of Lactobacillus rhamnosus GR-1 alters the vaginal microbiome profile but not the cecal microbiome in pregnant CD-1 mice. 61<sup>st</sup> Annual Society for Gynecologic Investigation Scientific Meeting, Florence, Italy, March 2014.

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## NATIONAL MEETINGS

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Aarabi M, Balakier H, Alladin N, Bashar S, Mackie P, Kenigsberg S, Movkovtsev S, **Librach C**, Oko R. Expression of sperm borne oocyte activating factor PAWP is associated with fertilization success rate in patients undergoing ICSI. Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

Al Kudmani B, Quach K, Dar S, **Librach C**. Effect of the interval from HCG administration to oocyte retrieval on IVF clinical outcomes. Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

Austin D, Mills S, **Thistle P**. An unorthodox approach: Lessons learned on using an opportunistic, integrated approach to survey knowledge, attitudes, and practices regarding neonatal male circumcision at Howard Hospital, Zimbabwe. Merging Minds for Global Health: A Multidisciplinary Call to Action, Global Health Conference, University of Saskatchewan, Saskatoon, Saskatchewan, Canada, 20-21 September 2013.

Baczyk D, Drewlo S, Levytska K, **Kingdom J**. SUMO4 - a novel functional candidate in the placental protein SUMOylation machinery. International Federation of Placental Associations Meeting (IFPA), Whistler, British Columbia, Canada, 11-14 September 2013.

Bapat P, **Berger H**. The transfer of rivaroxaban across the dually perfused human placenta. International Federation of Placenta Associations Annual Meeting, Whistler, British Columbia, Canada, 13 September 2013.

**Bentov Y**, Hannam T, **Juriscova A**, **Esfandiari N**, **Casper RF**. The use of Co-enzyme Q10 to reduce oocyte aneuploidy in women undergoing IVF treatment. Canadian Fertility and Andrology Association 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 28 September 2013.

**Bernardini M**, **Gien L**, Nelson G, Lau S, **Ferguson SE**, Samouelian V, Altman A, Cameron A, Ho T, McAlpine J. Variations in practice for the management of high-risk histologic subtypes in endometrial cancer: A CHREC (Consortium of High Risk Endometrial Cancer) Canadian project. Society of Gynecologic Oncology 45<sup>th</sup> Annual Meeting on Women's Cancers, Tampa Bay, Florida, USA, 22 March 2014.

**Bernardini M**, McAlpine J, **Gien L**, **Ferguson SE**, Nelson G, Lau S, Altman A, Samouelian V. Variations in practice for the management of high-risk histologic subtypes in endometrial cancer: A CHREC (Consortium of High Risk Endometrial Cancer) Canadian project. Society of Gynecologic Oncology, Niagara Falls, Ontario, Canada, 15 June 2014.

Berndl A, **Murphy KE**. Does cervical ripening at term with a high volume foley catheter result in a lower cesarean section rate compared to a low volume foley? A systematic review and meta-analysis. Canadian National Perinatal Research Meeting, Banff, Alberta, Canada, February 2014.

Bhorat S, Shlush K, Maghen L, Barretto T, Kenigsberg K, Gauthier-Fisher A, **Librach C**. A human umbilical cord-derived perivascular cells feeder layer system for the ex-vivo culture of spermatogonial stem cells. Sunnyside Research Day, Toronto, Ontario, Canada, 19 August 2013.

**Bocking AD**, **Rosen B**, Cole D, Wright J, Young S. Strengthening the health system of Western Kenya through an academic partnership: U of T's participation in AMPATH. Ottawa, Ontario, Canada, 27 October 2013.

**Caccia N, Meffe F, Nakajima A.** Workshop: When the going gets rough – Using multimedia to teach communication and conflict management. International Conference on Residency Education (ICRE) 2013, Calgary, Alberta, Canada, 28 September 2013.

**Caccia N, Nakajima A, Scheele F, den Rooyen C, Posner G, Pylypjuk C, Dore S, Kent N.** Development of a Canadian competency based curriculum for postgraduate obstetrics and gynecology using the Dutch model (BOEG) as scaffolding. 42<sup>nd</sup> Annual APOG Meeting, Toronto, Ontario, Canada, 29 November to 1 December 2013.

Chan P, Kenigsberg S, **Moskovtsev S, Librach C.** Age-associated elongation of telomere length in human spermatozoa. Frontiers in Physiology, University of Toronto, Toronto, Ontario, Canada, 17 April 2014.

Chan P, Kenigsberg S, **Moskovtsev S, Librach C.** Development of a telomere length assay for human spermatozoa. Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

Chow T, Sambhi M, Whiteley J, Monetti C, Li M, **Nagy A, Rogers I.** Senior Author. Differentiating pluripotent stem cells and trans-differentiating fibroblasts to Six2+ Renal Progenitors for kidney cell therapy. University of Toronto Annual Research Day, Toronto, Ontario, Canada, 9 May 2014.

Chow T, Sambhi M, Whiteley J, Monetti C, Li M, **Nagy A, Rogers I.** Six2 Renal Progenitors can be generated through the differentiation of pluripotent stem cells and the transdifferentiation of fibroblasts. University of Toronto, Dept of Physiology 34<sup>th</sup> Annual Frontiers in Physiology symposium, Toronto, Ontario, Canada, 15 April 2014.

Chow T, Whiteley J, Li M, Sambhi M, **Rogers I.** Generating a source of proliferating kidney proximal tubule cells for use in kidney cell therapy. 2<sup>nd</sup> Till & McCulloch Meetings, Stem Cell Network, Banff, Alberta, Canada, October 2013.

Coles N, Bremer, **Kives S,** Hamilton J. The utility of oral glucose tolerance test to assess for glucose abnormalities in adolescents with polycystic ovarian syndrome. Canadian Paediatric Endocrine Group, Montreal, Quebec, Canada, February 2014.

Coles N, Bremer, **Kives S,** Hamilton J. The utility of oral glucose tolerance test to assess for glucose abnormalities in adolescents with polycystic ovarian syndrome. Society of Obstetricians and Gynecologists of Canada (SOGC), Niagara Falls, Ontario, Canada, February 2014.

Dar S, Lazer T, Shlush K, Al Kudmani B, **Sharma P, Baratz A, Glass K, Librach C.** A retrospective study comparing the efficacy of a minimal stimulation protocol (letrozole/gonadotropin overlapping) to a high dose antagonist stimulation protocol for low responders in IVF cycles. Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

Dar S, Swanson S, Silverman J, Lazer T, **Librach C.** Review of the medical aspects of treatment and outcomes from a large Canadian surrogacy program – 15 years experience. Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

De Souza L, **Berger H.** Abdominal visceral adiposity and insulin resistance in early pregnancy. Society of Obstetricians and Gynaecologists of Canada, Niagara Falls, Ontario, Canada, 12 June 2014.

Easton-Klatt M, **Wong S**, Moid F, Bungden N, Maniate J. The evolution of faculty development at a community-teaching hospital. University of Toronto Integrated Medical Education/ Faculty Development Summit, Toronto, Ontario, Canada, 3 December 2013.

**Esfandiari N, Bentov Y**, Sultan M, Dela Cruz D, Gokturk A, **Casper RF**. Trophoctoderm biopsy for preimplantation genetic screening (PGS) and validation of results. 59<sup>th</sup> Annual CFAS Annual Meeting, Victoria, British Columbia, Canada, 26-29 September 2013,

Gagnon LH, **Yudin M, Murphy KE**. Antiretroviral drug use during pregnancy and risk of premature delivery: A retrospective matched cohort study. 23<sup>rd</sup> Annual Canadian Conference on HIV/AIDS Research (CAHR), St. John's, Newfoundland and Labrador, Canada, 1-4 May 2014.

Ghasemi F, **Kingdom J**, Drewlo S, **Adamson SL**. Effects of heparin treatment on regulating cell proliferation in the mouse placenta. International Federation of Placenta Associations (IFPA), Whistler, British Columbia, Canada, 11-14 September 2013.

**Gien L**, Barbera L, Sutradhar R, **Thomas G, Covens A**, Elit L, **Fyles A**, Rakovitch E, **Khalifa M**. Frequency of missing data from vulvar carcinoma pathology reports: Results from a population-based cohort. Society of Gynecologic Oncology in Canada (GOC) Annual Clinical Meeting, Niagara Falls, Ontario, Canada, 13-14 June 2014.

**Gien L**, Sutradhar R, **Thomas G, Covens A**, Elit L, Rakovitch E, **Fyles A, Khalifa M**, Barbera L. Patient, tumor, and health system factors affecting groin node dissection rates in vulvar carcinoma: results from a population-based analysis. Society of Gynecologic Oncology in Canada (GOC) Annual Clinical Meeting, Niagara Falls, Ontario, Canada, 13-14 June 2014.

Green J, Kahan M, **Wong S**. Do women's health care professionals perceive a need for more pelvic ultrasound training in Canadian ObGyn residency programs? University of Toronto Resident Research Day and St. Joseph's Health Centre Academic Research Day, Toronto, Ontario, Canada, 14 June 2013.

Green J, Kahan M, **Wong S**. Is the current level of GYN ultrasound training meeting the needs of residents? University of Toronto Resident Research Day and St. Joseph's Health Centre Academic Achievement Day, Toronto, Ontario, Canada, 14 June 2013.

Huang T, Dougan S, **Okun N**, Milburn J, Teitelbaum M, Sprague A. External quality assurance and performance assessment of prenatal screening in Ontario – A NEW reporting tool. Fetal Medicine Foundation (United Kingdom) World Congress, Nice, France, 30 June 2014.

Hubner N, **Kirkham Y, Caccia N**. Bilateral superficial angiomyxoma of the vulva in an adolescent: A case report. North American Society for Pediatric & Adolescent Gynecology Annual Meeting, Philadelphia, Pennsylvania, 24-26 April 2014.

Hunter T, Baker E, **Okun N, Farine D**. A physician survey of clinical practice: Management of high order multiple pregnancies in Canada. Canadian National Perinatal Research Meeting, Banff, Alberta, Canada, 13 February 2014.

Isaac S, Qu D, **Adamson SL**. The role of ovarian and fetal factors on placental growth in later gestation in mice. International Federation of Placenta Associations (IFPA), Whistler, British Columbia, Canada, 11-14 September 2013



Kapadia MZ, Park CK, Beyene J, Giglia L, **Maxwell C**, McDonald SD. Does gestational weight gain below the 2009 IOM guidelines increase adverse pregnancy outcomes in obese women? A systematic review and meta-analysis. BHSc (Honours) Program 11<sup>th</sup> Annual Poster Day, Hamilton, ON, 31 March 2014.

Kenigsberg S, Lau E, Behrouzi B, Gauthier-Fisher A, **Librach C**. Evaluation of complement cascade factors in serum and follicular fluid of patients with lean polycystic ovarian syndrome (PCOS). Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

**Ladhani N**. Maternal cardiovascular changes in multiple gestation pregnancy. Canadian National Perinatal Research Meeting, Banff, Alberta, Canada, 13 February 2014.

**Ladhani NN**, Milligan N, **Carvalho JC**, Shah PS, Ye XY, Martin MJ, Jordan A, **Murphy KE**. Maternal hemodynamic changes in multiple gestation pregnancy: A longitudinal, pilot Study. Canadian National Perinatal Research Meeting, Banff, Alberta, Canada, February 2014.

Lau E, Samson L, Brophy J, Campbell D, **Yudin MH**, **Murphy KE**, Seto W, Colantonio D, Read S, Bitnun A. Nevirapine (NVP) pharmacokinetics in HIV-exposed neonates receiving triple combination antiretroviral therapy as post-exposure prophylaxis. Canadian Conference on HIV/AIDS Research (CAHR) Annual Clinical Meeting, St. John's, Newfoundland, Canada, 1-4 May 2014.

Lennox G, Eiriksson LR, Millar HC, Reade CJ, Leung F, Diamandis EP, Kulasingam V, Mojtahedi G, **Ferguson SE**, **Murphy J**, **Bernardini MQ**. The usefulness of ovarian cancer risk scoring in the discrimination of an isolated pelvic mass. Canadian Conference on Ovarian Cancer Research, Victoria, British Columbia, Canada, 26 May 2014.

LePage K, **Selk A**. What do patients want? A needs assessment of vulvodynia patients attending a vulvar diseases clinic. The University of Toronto Chapter of the Institute for Healthcare Improvement Open School (UT IHI) Quality Improvement and Patient Safety (QulPS) Conference, Toronto, Ontario, Canada, May 2014.

Levytska K, Melamed N, Milligan N, **Keating S**, **Kingdom J**. Fetal sex influences placental development and cell-specific pathology in nulliparous pregnancies. 1<sup>st</sup> Canadian National Perinatal Research Meeting, Banff, Alberta, Canada, 12-15 February 2014.

Li M, Whiteley J, Chow T, Sambhi M, **Rogers I**. Cell therapy for non-healing epithelial wounds in a diabetic mouse model. 2<sup>nd</sup> Till & McCulloch Meetings, Stem Cell Network, Banff, Alberta, Canada, 23-25 October 2013.

Luznyetsov V, Crowe M, **Moskovtsev S**, Lulat A, **Librach C**. Vitrification of very low number of human spermatozoa without permeable cryoprotectants using a closed "straw in straw" system. Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

Macdonald E, Ng R, Bayoumi A, Raboud J, Brophy J, Masinde K, Tharao W, **Yudin MH**, Loutfy M, Glazier R, Antoniou T. Adverse neonatal outcomes among women living with HIV in Ontario: A population-based study. Canadian Conference on HIV/AIDS Research (CAHR) Annual Clinical Meeting, St. John's, Newfoundland, Canada, 1-4 May 2014.

Mackie P, Vyas P, **Moskovtsev S**, Kenigsberg S, **Librach C**. Quantifying exosomes isolated from human seminal fluid and identifying proteins related to male fertility. Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

Mayo K, **Berger H**. The Impact of the adoption of the IADPSG criteria for the screening and diagnosis of gestational diabetes. Society of Obstetricians and Gynaecologists of Canada Annual Clinical and Scientific Meeting, Niagara Falls, Ontario, Canada, 11 June 2014.

**Meffe F, Caccia N**, Nakajima A. Workshop: When the going gets rough: Using multimedia to teach effective communication and conflict management. Canadian Conference on Medical Education, Ottawa, Ontario, Canada, 25 April 2014.

Monks D, Downey K, Hoppe D, **Bernstein P**, Vibhuti S, **Carvalho J**. A perioperative course of gabapentin improves pain relief after cesarean delivery: A randomized controlled trial. Society of Obstetric Anesthesia and Perianatology & American Society of Anesthesiologists, Toronto, Ontario, Canada, 15 May 2014.

Morency AM, Milligan N, Wright E, **Keating S**, Shah P, Levytska K, **Kingdom J**. Multiparameter screening for placental disease in healthy nulliparous women. 1<sup>st</sup> Canadian National Perinatal Research Meeting, Banff, Alberta, Canada, 12-15 February 2014.

Morency AM, **Whittle W, Seaward G**, Shah P, **Murphy KE**. Maternal and neonatal outcomes in triplet gestation - A North American experience. Canadian National Perinatal Research Meeting, Banff, Alberta, Canada, 12-15 February 2014.

Moretti M, **Berger H**. A cost-effectiveness analysis of maternal genotyping to guide treatment for postpartum pain and avert infant adverse events. International Society For Pharmacoeconomics and Outcomes Research (ISPOR) 19<sup>th</sup> Annual International Meeting, Montreal, Quebec, Canada, 3 June 2014.

**Moskovtsev S**, Dacanay D, Dar S, **Sharma P, Baratz A, Glass K, Librach C**. Temporal changes in the origin and usage of donor semen in a Canadian fertility clinic. Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

**Murphy KE**, Hunter T. Neonatal outcome of preterm twins by presentation and mode of delivery. Canadian National Perinatal Research Meeting, Banff, Alberta, Canada, February 2014.

**Murphy KE**. Preterm premature rupture of membranes and adverse outcomes at 5 years of age. Canadian National Perinatal Research Meeting, Banff, Alberta, Canada, February 2014.

Nadeem L, **Shynlova O, Dong X, Lye S**. Fos/Jun heterodimers and PRA mediate Connexin43 de-repression before labour. 42<sup>nd</sup> Southern Ontario Reproductive Biology Meeting, Toronto, Ontario, Canada, June 2014.

Ng R, Macdonald E, Bayoumi A, Raboud J, Brophy J, Khatundi I, Loutfy M, Tharao W, **Yudin MH**, Antoniou T. Adverse neonatal outcomes among women living with HIV in Ontario: A population-based study. Ontario HIV Treatment Network (OHTN) Annual Scientific Meeting, Toronto, Ontario, Canada, 17-19 November 2013.

Ng R, Macdonald E, Bayoumi A, Raboud J, Brophy J, Masinde K, Tharao W, **Yudin MH**, Loutfy M, Glazier R, Antoniou T. Adequacy of prenatal care in women living with HIV: 2002-2011. Canadian Conference on HIV/AIDS Research (CAHR) Annual Clinical Meeting, St. John's, Newfoundland, Canada, 1-4 May 2014.

Ng R, Macdonald E, Bayoumi A, Raboud J, Brophy J, Masinde K, Tharao W, **Yudin MH**, Loutfy M, Glazier R, Antoniou T. Postpartum hospitalizations among women living with HIV and their infants in Ontario: a population-based study. Canadian Conference on HIV/AIDS Research (CAHR) Annual Clinical Meeting, St. John's, Newfoundland, Canada, 1-4 May 2014.

Nguyen T, **Shynlova O**, **Lye SJ**. Characterizing the protein expression and localization pattern of myometrial MMPs throughout pregnancy, labour and post-partum in rats. Department of Physiology 34<sup>th</sup> Annual "Frontiers in Physiology" Research Day, University of Toronto, Toronto, Ontario, Canada, May 2014.

Papp E, Loutfy M, **Yudin MH**, Walmsley S, **Murphy K**, Kennedy L, Serghides L. An update on the AAPH study: pregnancy outcomes and placenta morphology. Third Annual Interdisciplinary HIV Pregnancy Research Group (IHPREG) Conference, Toronto, Ontario, Canada, 15 May 2014.

**Pittini R**. A training cascade for interprofessional surgical and obstetrical care in Ethiopia: Effective application of a top-down simulation-based interprofessional training program in a developing country. RCPSG, Simulation Summit, Vancouver, British Columbia, Canada, 9 November 2013.

**Pittini R**, Gupta R, Kulasegaram M. Identification of students with clinical skills deficiencies: The iOSCE. Ottawa Conferences, Ottawa, Ontario, Canada, 25 April 2014.

Ringuette MJ, Cydzik M, Abdul-Wahid A, Park S, Bourdeou A, Bowden K, Prodeus A, Kollara A, **Brown TJ**, Garipey J. VEGF-mediated angiogenic activity altered by slow-binding kinetics of SPARC to VEGF: Implications for ovarian cancer progression. 7<sup>th</sup> Canadian Conference on Ovarian Cancer Research, Victoria, British Columbia, Canada, 25-27 May 2014.

**Ryan E**. Improving fertility in patients with diminished ovarian reserve undergoing controlled ovarian hyperstimulation with intra uterine insemination (Analysis of 241 cycles, age 35-39). Canadian Fertility and Andrology Society (CFAS) 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26-29 September 2013.

Sambi M, Whiteley J, Li M, Chow T, **Rogers I**. Controlled differentiation of embryonic stem cells to kidney precursors and determining the differentiation potential of the extracellular matrix. 2<sup>nd</sup> Till & McCulloch Meetings, Stem Cell Network, Banff, Alberta, Canada, 23-25 October 2013.

Shlush E, Maghen L, Bhorat S, Vainder M, Kenigsberg S, **Moskovtsev S**, Gauthier-Fisher A, **Librach C**. Human umbilical cord-derived perivascular cells differentiate into germ cell- and Sertoli-like cells in vitro and promote seminiferous tubule regeneration in a mouse MEHP-induced testis injury model. Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

Shlush E, Maghen L, Bhorat S, Vainder M, Barretto T, Gauthier-Fisher A, **Librach C**. Human umbilical cord-derived perivascular cells promote Sertoli and germ cell regeneration in a MEHP-induced mouse model of testicular injury. Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

Shlush E, Maghen L, Kenigsberg S, **Moskovtsev S**, Gauthier-Fisher A, **Librach C**. In vitro production of germ cell- and haploid spermatid-like cells from human umbilical cord-derived perivascular cells. Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

Snelgrove J, **Murphy KE**. What is the effect of social inequality on preterm birth? Evidence from the U.K. Millenium Cohort Study. Canadian National Perinatal Research Meeting, Banff, Alberta, Canada, February 2014.

Sun D, **Malinowski A**, Shehata N. Retrospective study of immune thrombocytopenia purpura in pregnancy. Divisions of Hematology and Hematopathology 7<sup>th</sup> Annual Research Day & Awards Ceremony, University of Toronto, Toronto, Ontario, Canada, 2 April 2014.

Swanson S, **Moskovtsev S**, Dar S, **Librach C**. Effect of cigarette smoking induced sperm DNA fragmentation on miscarriage rates in couples undergoing IVF/ICSI. Canadian Fertility and Andrology Society 59<sup>th</sup> Annual Meeting, Victoria, British Columbia, Canada, 26 September 2013.

Swift BE, **Liu KE**. The effect of age, ethnicity and level of education on fertility awareness and duration of infertility. Society of Obstetrics and Gynecology Canada Annual Clinical and Scientific Meeting, Niagara Falls, Ontario, Canada, 11 June 2014.

Tone A, Lau A, Virtanen C, Colgon T, **Allen L**, **Greenblatt E**, **Murphy J**, **Rosen B**, **Brown TJ**. Impact of BRCA1 or BRCA2 mutation status on the response of fallopian tube epithelial cells to follicular fluid exposure. 7<sup>th</sup> Canadian Conference on Ovarian Cancer Research, Victoria, British Columbia, Canada, May 2014.

Vyas P, Balakier H, **Librach C**. Nanoparticles are released from human pre-implantation embryos and their short RNA content correlates with embryo morphology. Frontiers in Physiology, University of Toronto, Toronto, Ontario, Canada, 17 April 2014.

Whiteley J, Li M, Show T, Sambhi M, **Rogers I**. The role of paracrine signalling in the treatment of multiple models of wound healing with multipotential stem cells (MPSC). 2<sup>nd</sup> Till & McCulloch Meetings, Stem Cell Network, Banff, Alberta, Canada, October 2013.



# **31ST ANNUAL RESEARCH DAY AND HENDERSON LECTURE**

## 31ST ANNUAL RESEARCH DAY AND HENDERSON LECTURE

The Department of Obstetrics & Gynaecology 31<sup>st</sup> Annual Research Day took place on Friday, May 9, 2014 in Victoria College's Northrop Frye Hall at the University of Toronto. We were delighted to have 300 conference registrants, and this year clinical faculty members were able to claim 7.5 hours credit for maintenance of certification by RCPSC. We had a record number of presentations – 14 orals and 75 posters – by the full range of trainees, showcasing clinical research, translation and basic sciences. In addition, we introduced “Collaboration Corner”, highlighting 4 current clinical research topics. We were pleased to have Dean Whiteside attend and comment on how impressed she was with the importance that we place on poster presentations and discussions.

The Henderson Lecture continued in its tradition of excellence, with one of the best lectures so far. Professor Aidan Halligan, MD, from University College London Hospitals in the UK, was both entertaining and inspiring, presenting his lecture, “Rediscovering lost values: Leadership in a challenging clinical environment.” He also was able to host 3 interactive sessions on safety in our field the preceding day as part of the Department's new focus on quality improvement and patient safety.

Thanks go to everyone who participated: our staff who worked hard to put it together, all the faculty members who acted as Chairs and Judges, and special thanks to the Research Committee, particularly Theodore J. Brown as Chair, Stephen Lye as Vice-Chair, Research, and Helen Robson as Coordinator.

In the words of our Chair, John Kingdom, “Research Day is the collective expression of one of the finest ObGyn Departments in the world.”

Below are listed the oral and poster presentations.



## COLLABORATION CORNER

### 1: A GTA based randomized controlled trial (RCT) of induction of labour versus expectant management in patients with gestational diabetes mellitus (GDM)

Howard Berger (1), Nir Melamed (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto

### 2: Variation in the perioperative approach to gynaecologic surgery: A needs assessment at the University of Toronto

Lindsay Shirreff (1), Lisa Allen (1), Richard Pittini (1), Ally Murji (1), Guylaine Lefebvre (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto



### 3: Developing best practice guidelines in ObGyn departments in the GTA. A pilot project: Thromboprophylaxis after cesarean delivery

Julie Nguyen (1), Adrian Brown (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto

### 4: AMPATH Reproductive Health - Collaboration Corner

Rachel Spitzer (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto

## ORAL PRESENTATIONS

### **O1: Vitamin B12: Dietary intake, supplement use and serum concentrations in a cohort of Canadian pregnant women and in umbilical cord blood**

Shannon Masih (1), Lesley Plumptre (1), Anna Ly (1), Kyoung-Jin Sohn (1), **Howard Berger** (2), **Andrea Lausman** (2), Ruth Croxford (Other), Deborah O'Connor (3), Young-In Kim (1).  
(1) St. Michael's Hospital, (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) The Hospital for Sick Children and (4) Other

### **O2: A pilot study to evaluate a device for the intravaginal culture of embryos**

Frederic Mitri (1), **Navid Esfandiari** (1), Joan Coogan-Prewer (1), **Paul Chang** (1), **Yaakov Bentov** (1), John McNaught (2), Other (Canada), Anat Herscu-Klement (1), **Robert Casper** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

### **O3: Jumonji C domain containing protein 6 (JMJD6) - a novel oxygen sensor in the human placenta**

Sruthi Alahari (1), **Isabella Caniggia** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto

### **O4: Prevalence of obstructive sleep apnea detected by the Berlin questionnaire in patients with nocturia attending a urogynecology unit**

Salomon Zebede, **Danny Lovatsis** (1), **May Alarab** (1), **Harold Drutz** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto

### **O5: The transfer of dabigatran and its pro-drug across the dually perfused human placenta – Implications for therapy in pregnancy**

Priya Bapat (1), Reuven Kedar (1), Angelika Lubetsky (1), Katarina Aleksa (1), Gideon Koren (1), **Howard Berger** (2)  
(1) Hospital for Sick Children, (2) Department of Obstetrics and Gynaecology, University of Toronto

### **O6: VEPH1 modulation of TGF-Beta and androgen receptor signaling: Evidence that VEPH1 Activity may be Regulated by Phosphorylation**

Premalatha Shathasivam (1), Alexandra Kollara (1), **Theodore Brown** (2)  
(1) Lunenfeld-Tanenbaum Research Institute, (2) Department of Obstetrics and Gynaecology, University of Toronto

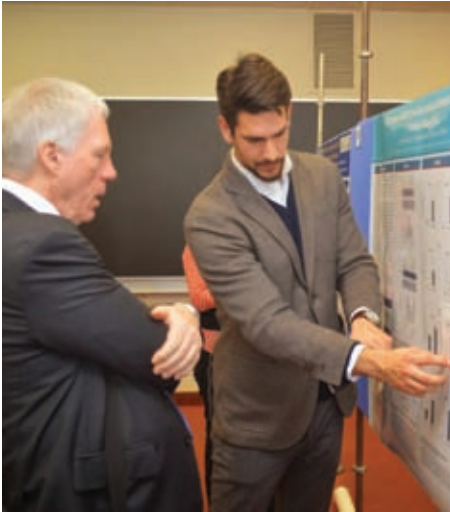
### **O7: Human umbilical cord perivascular cells: Novel candidates for post infarct cellular therapy**

Peter Szaraz (1), Matthew Librach (2), Leila Maghen (2), Tanya Barretto (2), Andrée Gauthier-Fisher (3), **Clifford Librach** (3)  
(1) Department of Physiology, University of Toronto, (2) Other, (3) Department of Obstetrics and Gynaecology, University of Toronto

### **O8: Ovarian high grade serous cancer xenografts as pre-clinical models of response to chemotherapy**

Paulina Cybulska (1), Jocelyn Stewart (2), Blaise Clarke (2), Benjamin Neel (2), **Marcus Bernardini** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other





### **O9: Bedside rounding and ward task list use in gynaecology**

Lindsay Shirreff (1), Eliane Shore (1), Heinrich Husslein (1), **Mark Yudin** (1), **Guylaine Lefebvre** (1) (1) Department of Obstetrics and Gynaecology, University of Toronto

### **O10: Unfractionated heparin, placental ultrasound and placental histopathology: Secondary analysis of a pilot randomized controlled trial**

Rohan D'Souza (1), Sarah Keating (2), Melissa Walker (1), Sascha Drewlo (1), **John Kingdom** (1) (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital

### **O11: Site-specific increases in utero- and feto-placental arterial vascular resistance in eNOS deficient mice due to impaired arterial enlargement**

Monique Rennie (1), Anum Rahman (1), Kathie Whiteley (2), John Sled (1), **S Lee Adamson** (3) (1) Hospital for Sick Children, (2) Lunenfeld-Tanenbaum Research Institute, (3) Department of Obstetrics and Gynaecology, University of Toronto

### **O12: Validation of a comprehensive evidence-based laparoscopy curriculum for gynecology residents**

Eliane Shore (1), Teodor Grantcharov (2), Heinrich Husslein (1), Lindsay Shirreff (1), Nicolas Dedy (1), **Colleen McDermott** (1), **Guylaine Lefebvre** (1) (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) St Michael's Hospital

### **O13: Clinical risk factors and whole blood gene expression predictive of preterm birth in asymptomatic women in Calgary**

Jan Heng (1), Sheila McDonald (2), Angela Vinturache (2), Jingxiong Xu(1), Andrew Lyon (2), Donna Slater (2), **Craig Pennell** (2), Suzanne Tough (2), **Stephen Lye** (3) (1) Lunenfeld-Tanenbaum Research Institute, (2) Other, (3) Department of Obstetrics and Gynaecology, University of Toronto

### **O14: What is the effect of social inequality on preterm birth? Evidence from the U.K. Millennium Cohort Study**

John Snelgrove (1), **Kellie Murphy** (1) (1) Department of Obstetrics and Gynaecology, University of Toronto



## POSTER PRESENTATIONS

### POSTER GROUP A

Co-chair: Dr. Rachel Spitzer

Co-chair: Dr. Abheha Satkunararatnam

Judge: Ms Dora Baczyk

#### **A1: What do patients want? A needs assessment of vulvodynia patients attending a vulvar diseases clinic**

Katherine LePage (1), **Amanda Selk** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto

#### **A2: Prevention of reformation of intra uterine adhesions following lysis of adhesions and septoplasty: A retrospective review**

Daniel Margel (1), **Jamie Kroft** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto

#### **A3: Treatment of low-risk GTN with biweekly Actinomycin-D**

Umami Habiba (1), **Ray Osborne** (1), Clare Reade (1), Lua Eiriksson (2), Matthew Cesari (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

### POSTER GROUP B

Co-chair: Dr. Paul Chang

Co-chair: Dr. Navid Esfandiari

Judge: Dr. Amanda Selk

#### **B1: Activity of E3 ubiquitin ligase MULE drives early oocyte atresia and premature ovarian failure**

Nicole Zhang (1)

(1) Department of Physiology, University of Toronto

#### **B2: Nanoparticles are released from human pre-implantation embryos and their short RNA content correlates with embryo morphology**

Parshvi Vyas (1), Hanna Balakier (2), **Clifford Librach** (3)

(1) Department of Physiology, University of Toronto, (2) Other, (3) Department of Obstetrics and Gynaecology, University of Toronto

## *gynaecology*

#### **A4: Female genital tract graft-vs-host disease (GVHD): A current retrospective patient review**

Adrienne Li (1), **Wendy Wolfman** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto

#### **A5: Follicular fluid exosomes and exosomes secreted by granulosa cells in vitro: A potentially important mechanism for intra-follicular communication**

Bahar Behrouzi (1), Arshia Azizeddin (1), **Prati**

**Sharma** (1), **Ari Baratz** (2), **Karen Glass** (1), Shlomit Kenigsberg (1), **Clifford Librach** (2)

(1) Other, (2) Department of Obstetrics and Gynaecology, University of Toronto

## *infertility I*

#### **B3: Effect of endometrial shedding with medroxyprogesterone acetate prior to clomiphene citrate in oligo/an-ovulatory women: A pilot study**

Claire Jones (1), Kimberley Garbedian (2), Nurun Chowdhury (3), **Marjorie Dixon** (1), **Heather Shapiro** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other, (3) Mount Sinai Hospital

**B4: Obesity and infertility: A health-related classification system, versus body mass index, better predicts pregnancy rate in overweight and obese women**

Nicole Paterson (1), **Ellen Greenblatt** (1), **Cynthia Maxwell** (1), Arya Sharma (2)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

**B5: Assisted reproduction involving surrogacy: An analysis of the medical, psychosocial and legal issues from a large Canadian surrogacy program**

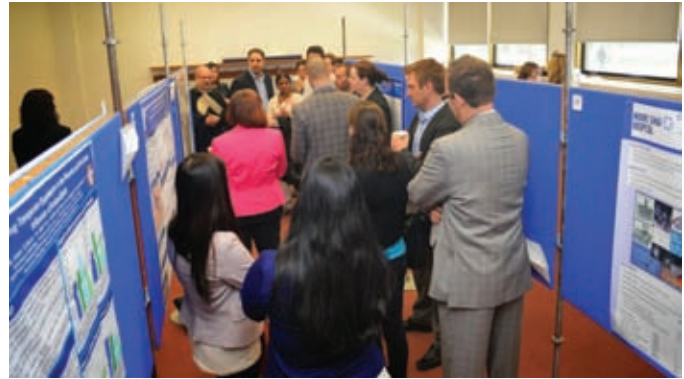
Tal Lazer (1), Jan Silverman (2), Cindy Wasser (2), **Sergey Moskovtsev** (1), Sonja Swanson (2), Agata Sojecki (3), **Karen Glass** (2), **Prati Sharma** (2), **Ari Baratz** (1), **Clifford Librach** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other, (3) Women's College Hospital

**B6: Pregnancy rates in poor-ovarian-response patients undergoing conventional IVF treatment supplemented with dehydroepiandrosterone and Coenzyme Q10**

Sonia Blanco Mejia (1), **Edward Ryan** (2), **E. Anne Claessens** (2)

(1) Other, (2) Department of Obstetrics and Gynaecology, University of Toronto



**POSTER GROUP C**

Co-chair: Dr. Mark Yudin

Co-chair: Dr. Caroline Dunk

Judge: Dr. Andrea Lausman

**C1: Fetal thrombocytopenia following parvovirus-B19 infection**

Nir Melamed (1), **Wendy Whittle** (1), Ed Kelly (2), **Rory Windrim** (1), **Gareth Seaward** (1), Johannes Keunen (1), **Greg Ryan** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital

**C2: Melatonin mitigates placental vascular resistance and cardiac dysfunction in a rabbit model of intrauterine growth restriction**

Ryan Hodges (1), Andre Miyague (2), Masayuki Endoh (2), Andre LaGerche (3), Francesca Russo (2), Jan Dhooge (2), Euan Wallace (4), Jan Deprest (2)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other (Belgium), (3) Other (Canada), (4) Other (Australia)

*maternal-fetal  
medicine I*

**C3: Twin Birth Study: Incidence of caesarean delivery in induction of twin pregnancies**

Elad Mei-Dan (1), **Jon Barrett** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto

**C4: Heparin causes placental growth and increased expression of trophoblast progenitors in mice: Implications for preventing severe preeclampsia**

Farshad Ghasemi (1), **John Kingdom** (2), **S Lee Adamson** (2)

(1) Department of Physiology, University of Toronto, (2) Department of Obstetrics and Gynaecology, University of Toronto

**C5: Astrocyte-derived factors increase multidrug resistance via P-glycoprotein at the developing blood-brain barrier**

Stephanie Baello (1), Majid Iqbal (1), William Gibb (2), **Stephen Matthews** (1)  
(1) Department of Physiology, University of Toronto, (2) Other

**C6: Hypoxia and drug transporter expression in the placenta and fetal liver: Influence of antioxidants**

Mohsen Javam (1), Jason Yung (1), Stephanie Baello (1), William Gibb (2), Emily Camm (3), Andrew Kane (3), Dino Giussani (3), **Stephen Matthews** (1)  
(1) Department of Physiology, University of Toronto, (2) Other (Canada), (3) Other (United Kingdom)

**POSTER GROUP D**

Co-chair: Dr. Gareth Seaward  
Co-chair: Dr. Paul Bernstein  
Judge: Dr. Richard Pittini

*obstetrics // paediatric  
& adolescent gynaecology*

**D1: Barriers to achieving a successful vaginal birth – a retrospective chart review**

Rebecca Menzies (1), Jenna Blumenthal (1), **Andrea Lausman** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto

**D2: Abdominal visceral adiposity and insulin resistance in early pregnancy**

Leanne De Souza (1), Eva Kogan (1), **Howard Berger** (2), Gerald Lebovic (1), **Joel Ray** (1)  
(1) St Michael's Hospital, (2) Department of Obstetrics and Gynaecology, University of Toronto

**D3: Obstetrical risk awareness in primiparous women over the age of 35**

Nicole Carpe (1), **Amanda Selk** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto

**D4: Office D&C utilizing ultrasound guidance for missed abortion: An analysis of complications compared with non-U/S guided hospital and/or office D&C**

Michael Chaikof (1), Tal Lazer (1), Kevin Quach (2), **Prati Sharma** (2), **Karen Glass** (2), **Ari Baratz** (1), **Clifford Librach** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

**D5: Has the management of pediatric and adolescent ovarian torsion changed over the past 25 years?**

Nicole Hubner (1), **Clifford Librach** (1), Jacob Langer (1), **Sari Kives** (2), **Lisa Allen** (2)  
(1) Hospital for Sick Children, (2) Department of Obstetrics and Gynaecology, University of Toronto

**D6: Barriers, expectations, and needs of young women during the transition from pediatric to adult gynecological care**

Jennifer Hunter (1), **Lisa Allen** (1), **Yolanda Kirkham** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto



**POSTER GROUP E**

Co-chair: Dr. Andrea Jurisicova

Co-chair: Dr. Ian Rogers

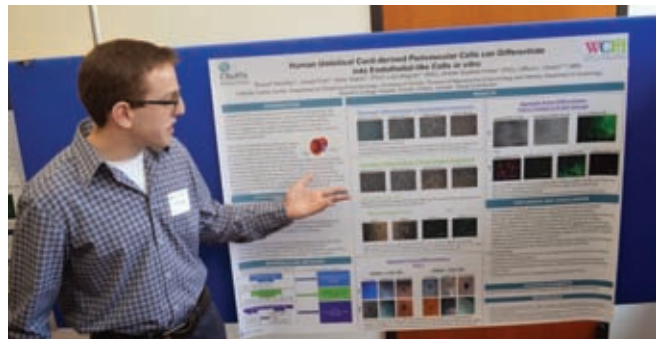
Judge: Dr. Theodore Brown

**E1: Estradiol levels in breast tissue are not different between postmenopausal healthy women regardless of hormone replacement status**Lucy Ann Behan (1), Hala Goma (1), Hend Ahmado (2), Sara Abdulwahab (2), **Wendy Wolfman** (1), Aaron Wheeler (2), **Robert Casper** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other**E2: The role of the novel reproductive peptide phoenixin-20 amide in the regulation of GnRH transcription and Secretion in a GnRH Hypothalamic Cell Model**Alice Treen (1), **Denise Belsham** (1)  
(1) Department of Physiology, University of Toronto**E3: Transforming growth factor betas (TGF-Betas)–novel regulators of sphingolipid metabolism in the human placenta**Sarah Chauvin (1), Martin Post, **Isabella Caniggia** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Hospital for Sick Children**POSTER GROUP F**

Co-chair: Dr. S. Lee. Adamson

Co-chair: Dr. Prati Sharma

Judge: Dr. Alexandra Kollara

**F1: Establishment and application of mice with personalized immune systems: The "real" avatar**Huijuan Yang (1), **Andras Nagy** (2), **Ian Rogers** (2)  
(1) Department of Physiology, University of Toronto, (2) Department of Obstetrics and Gynaecology, University of Toronto**F2: Differentiating pluripotent stem cells and trans-differentiating fibroblasts to Six2+ renal progenitors for kidney cell therapy**Theresa Chow (1), Manpreet Sambi (2), Jennifer Whiteley (2), Claudio Monetti (2), Mira Li (2), Peter Tonge (2), **Andras Nagy** (3), **Ian Rogers** (3)  
(1) Department of Physiology, University of Toronto, (2) Lunenfeld-Tanenbaum Research Institute, (3) Department of Obstetrics and Gynaecology, University of Toronto*reproductive  
endocrinology***E4: Progesterone receptor A mediates de-repression of connexin43 expression**Lubna Nadeem (1), **Oksana Shynlova** (2), **Xuesen Dong** (3), **Stephen Lye** (2)  
(1) Lunenfeld-Tanenbaum Research Institute, (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) Other**E5: High saturated fatty-acid attenuates insulin signaling in mouse GnRH neuronal cell model, mHypoA-GnRH/GFP**Dean Tran (1), Leigh Wellhauser (1), Jennifer Chalmers (1), Alice Treen (1), **Denise Belsham** (1)  
(1) Department of Physiology, University of Toronto**E6: The role of ovarian factors on fetoplacental microvascular growth in late gestation in mice**Sarah Isaac (1), **Andras Nagy** (2), **S Lee Adamson** (2)  
(1) Department of Physiology, University of Toronto, (2) Department of Obstetrics and Gynaecology, University of Toronto*stem cell biology***F3: Human umbilical cord-derived perivascular cells can differentiate into endothelial-like cells in vitro**Russell Yanofsky (1), Joe Fish (2), Peter Szaraz (3), Andrée Gauthier-Fisher (2), Leila Maghen (1), **Clifford Librach** (2)  
(1) Other, (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) Department of Physiology, University of Toronto

**F4: Combined cell and gene therapy towards the treatment of age-related macular degeneration and diabetic retinopathy**

Sabiha Hacibekiroglu (1), Iacovos Michael (2), Peter Westenskow (3), Brian Ballios (4), Mitrousis Nikolaos (4), Tuo Jingsheng (3), Chi Chao Chan (3), Shelley Boyd (5), Derek van der Kooy (4), Martin Friedlander (3), **Andras Nagy** (6)  
(1) Lunenfeld-Tanenbaum Research Institute, (2) Other (Switzerland), (3) Other (United States), (4) Other (Canada), (5) St Michael’s Hospital, (6) Department of Obstetrics and Gynaecology, University of Toronto

**F5: Human umbilical cord-derived perivascular cells support angiogenesis in vitro**

Joe Fish (1), Russell Yanofsky (1), Leila Maghen (2), Peter Szaraz (3), Shlomit Kenigsberg (2), Andrée Gauthier-Fisher (1), **Clifford Librach** (1)  
(1) Department of Obstetrics and Gynaecology,

University of Toronto, (2) Other, (3) Department of Physiology, University of Toronto

**F6: Human umbilical cord-derived perivascular cells promote wound healing in an in vitro model of cardiomyocyte injury**

Matthew Librach (1), Peter Szaraz (2), Leila Maghen (1), Tanya Barretto (1), Andrée Gauthier-Fisher (3), **Clifford Librach** (3)  
(1) Other, (2) Department of Physiology, University of Toronto, (3) Department of Obstetrics and Gynaecology, University of Toronto

**POSTER GROUP G**

Co-chair: Dr. Patricia Lee  
Co-chair: Dr. Joan Murphy  
Judge: Dr. Lisa Allen

**G1: Validation of the Generic Error Rating Tool (GERT) in gynecologic laparoscopy**

Heinrich Husslein (1), Lindsay Shirreff (1), Esther Bonrath (2), Eliane Shore (1), **Guylaine Lefebvre** (1), Teodor Grantcharov (2)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) St Michael’s Hospital



*global health, health delivery | & education*

**G2: Qualitative analysis to establish verbal and non-verbal components of teaching skilled vaginal breech, non-rotational forceps and Kiellands deliveries**

Andrea Simpson (1), David Gurau (1), Michael Secter (1), **Eva Mocarski** (1), **Richard Pittini** (1), John Snelgrove (1), **Rory Windrim** (1), Mary Higgins (2)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other (Ireland)

**G3: The relationship between perceived stigma, social support and quality of life in single mothers by choice**

Jing Yu (1), Kevin Quach (2), Jan Silverman (2), **Clifford Librach** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

**G4: Preliminary quantitative evaluation of Afya Jamii (Group Care) in Western Kenya**

Amy Zipursky (1), Carolyne Kipkoech (1), **Rachel Spitzer** (2), **Astrid Christoffersen-Deb** (2)  
(1) Other, (2) Department of Obstetrics and Gynaecology, University of Toronto

### G5: The Community Health Volunteer Incentive Project

Sanjana Mitra (1), **Astrid Christoffersen-Deb** (2), Suzanne Jackson (1), Diana Menya (3)  
(1) Other (Canada), (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) Other (Kenya)



### G6: Chama cha MamaToto: Evaluation of a peer support mechanism to improve maternal and infant health in Western Kenya

Kelsey Ragan (1), Justus Elung'at (2), Monica Atieno (2), **Rachel Spitzer** (1), Julia Songok (2), **Astrid Christoffersen-Deb** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other (Kenya)



## POSTER GROUP H

Co-chair: Dr. Edward Ryan

Co-chair: Dr. Alicia Tone

Judge: Dr. Yaakov Bentov (except H6)

Judge: Dr. Marjorie Dixon (H6)

### H1: Prediction of oocyte yield after administration of a gonadotropin-releasing hormone (GnRH) agonist trigger

Crystal Chan (1), Ritika Arora (1), **Heather Shapiro** (1), **Ellen Greenblatt** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto

### H2: Development of next generation sequencing (NGS) for preimplantation genetic screening (PGS) of human embryos for aneuploidy

Alexander Lagunov (1), Rina Abramov (2), Valeriy Kuznyetsov (2) Siamak Bashar (2), Zenon Ibarrientos (2), Gelareh Motamedi (2), Mike Crowe (2), Hanna Balakier (2), **Theodore Brown** (1), **Clifford Librach** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

### H3: A human umbilical cord-derived perivascular cell feeder culture system for the ex-vivo propagation of spermatogonial stem cells

Ekaterina Shlush (1), Tanya Barretto (2)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

## *infertility II*

### H4: IVF success rates in patients who have previously undergone surgical therapy for endometriosis is correlated with the disease stage

Basheer AlKudmani (1), Daniel Buell (1), Joveriyah Salman (1), **Clifford Librach** (1), **Prati Sharma** (2)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

### H5: The relationship between gender role identity and quality of life in men experiencing infertility

Marc Dagher (1), Kevin Quach (2), **Sergey Moskovtsev** (1), Jan Silverman (2), **Clifford Librach** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

### H6: Age-associated elongation of telomere length in human spermatozoa

Pamela Chan (1), **Sergey Moskovtsev** (2), Shlomit Kenigsberg (3), **Clifford Librach** (2)

(1) Department of Physiology, University of Toronto, (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) Other

## POSTER GROUP I

Co-chair: Dr. Ellen Greenblatt  
Co-chair: Dr. Sergey Moskovtsev  
Judge: Dr. Christine Derzko

### I1: Cord occlusion in complicated monochorionic multiple pregnancies: Comparison of techniques

Darine El-Chaar (1), Kathy Gouin (1), Kara Aitken (1), **Rory Windrim** (1), **Gareth Seaward** (1), **Johannes Keunen** (1), Robert Beecroft (2), John Kachura (3), Prakesh Shah (1), **Greg Ryan** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital, (3) University Health Network

### I2: Sphingosine-1-phosphate (S1P) and regulation of drug transporter (P-glycoprotein) activity in the developing blood- brain barrier

Samantha Kearney (1), William Gibb (2), **Stephen Matthews** (1)  
(1) Department of Physiology, University of Toronto, (2) Other

### I3: The impact of adoption of the IADPSG criteria for the screening and diagnosis of gestational diabetes

Karli Mayo (1), Nir Melamed (1), Hilde Vandenberghe (2), **Howard Berger** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) St Michael's Hospital

## *maternal-fetal medicine II*

### I4: Pregnancy outcomes of women admitted to a tertiary care centre with short cervix

Alison Shea (1), Andrea Simpson (1), **Jon Barrett** (1), **Noor Ladhani** (1), **Ori Nevo** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto

### I5: Characterizing the protein expression and localization pattern of myometrial MMPs throughout pregnancy, labour and post-partum in rats

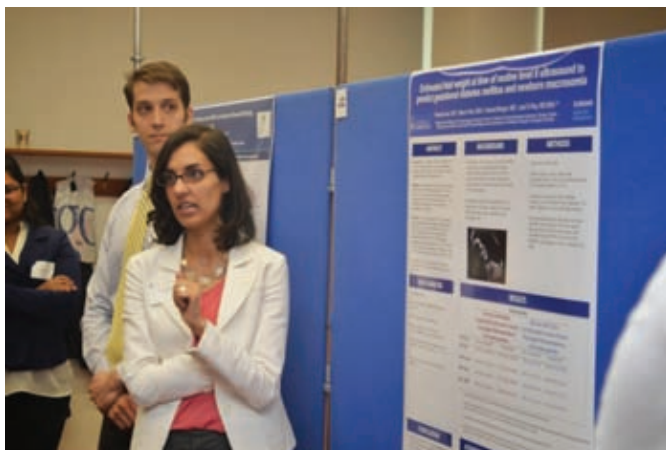
Tina Tu-Thu Nguyen (1), **Oksana Shynlova** (2), **Stephen Lye** (2)  
(1) Lunenfeld-Tanenbaum Research Institute, (2) Department of Obstetrics and Gynaecology, University of Toronto

### I6: A combination of single nucleotide polymorphisms in the 3'untranslated region of HLA-G is associated with preeclampsia

Kirah Hahn (1), Yuan Zhang (2), Kevin Quach (1), Stephanie Grover (2), Shlomit Kenigsberg (1), **Clifford Librach** (2)  
(1) Other, (2) Department of Obstetrics and Gynaecology, University of Toronto

## POSTER GROUP J

Co-chair: Dr. Clifford Librach  
Co-chair: Dr. Sari Kives  
Judge: Dr. Janet Bodley



## *maternal-fetal medicine III*

### J1: Antenatal glucocorticoid treatment has multigenerational effects on behavior of juvenile offspring via paternal transmission

Vasilis Moisiadis (1), Alisa Kostaki (1), **Stephen Matthews** (1)  
(1) Department of Physiology, University of Toronto

### J2: Using estimated fetal weight at level II ultrasonography to predict gestational diabetes mellitus and newborn macrosomia

Pamela Liao (1), Alison Park (2), **Howard Berger** (1), **Joel Ray** (3)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other, (3) St. Michael's Hospital



**J3: Maternal and neonatal outcomes in triplet gestation – A North American experience**

Anne-Maude Morency (1), **Wendy Whittle** (1), **Gareth Seaward** (1), Prakesh Shah (1), **Kellie Murphy** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto

**J4: Antenatal glucocorticoid treatment and programming of the juvenile pituitary**

Fabiha Rahman (1), Vasilis Moisiadis (1), **Stephen Matthews** (1)

(1) Department of Physiology, University of Toronto

**J5: Treating early onset preeclampsia in triplets with severe IUGR by fetal reduction: A case report**

Carmen McCaffrey (1), **Ori Nevo** (1), **Jon Barrett** (1), Elad Mei-Dan (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto

**J6: TGF-beta-mediated polarization of decidual neutrophils**

Melissa Kwan (1), Caroline Dunk (2), **Stephen Lye** (3)

(1) Department of Physiology, University of Toronto, (2) Lunenfeld-Tanenbaum Research Institute, (3) Department of Obstetrics and Gynaecology, University of Toronto

**POSTER GROUP K**

Co-chair: Dr. Howard Berger

Co-chair: Dr. Adrian Brown

Judge: Dr. Matthew Sermer

**K1: Is venous thromboprophylaxis necessary in patients undergoing minimally invasive surgery for a gynecologic malignancy?**

Genevieve Bouchard-Fortier (1), William Geerts (2), **Allan Covens** (1), **Rachel Kupets** (1), **Danielle Vicus** (1), **Lilian Gien** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Sunnybrook Health Sciences Centre

**K2: The impact of BRCA1 expression on glucocorticoid receptor signaling in ovarian cancer cells**

Vladimir Djedovic (1), Alexandra Kollara (2), **Theodore Brown** (3)

(1) Department of Physiology, University of Toronto, (2) Lunenfeld-Tanenbaum Research Institute, (3) Department of Obstetrics and Gynaecology, University of Toronto

**K3: Does the initial management of high-grade serous ovarian cancer predict sites of recurrence?**

Clara Cheong (1), Paulina Cybulska (1), Grainne Murphy (2), Jocelyn Stewart (2), **Sarah Ferguson** (2), Ur Metser (1), **Marcus Bernardini** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

**K4: SPARC inhibits VEGF-induced activation of ERK and p38 MAPK and blocks endothelial cell migration and proliferation**

Soyeon Park (1), Alexandra Kollara (2), Annie Bourdeau (1), Marzena Cydzik (1), Jean Gariépy (1), Maurice Ringuette (1), **Theodore Brown** (3)

(1) Other, (2) Lunenfeld-Tanenbaum Research Institute, (3) Department of Obstetrics and Gynaecology, University of Toronto

**K5: Surgical factors and timing of surgery do not impact survival in patients with high-grade serous ovarian cancer treated with neoadjuvant chemotherapy**

Jocelyn Stewart (1), Alicia Tone (1), **Barry Rosen** (2), **Taymaa May** (1)

(1) University Health Network, (2) Department of Obstetrics and Gynaecology, University of Toronto

**K6: Performance study of the risk of malignancy index (RMI) and risk of ovarian malignancy algorithm (ROMA) by histology and stage of disease in women diagnosed with ovarian cancer**

Genevieve Lennox (1), Lua Eiriksson (2), Clare Reade (1), Felix Leung (2), Golnessa Mojtahedi (2), Eshetu Atenafu (2), **Sarah Ferguson** (2), **Joan Murphy** (1), Eleftherios Diamandis (2), Vathany Kulasingam (2), **Marcus Bernardini** (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

*gynaecologic*

## POSTER GROUP L

Co-chair: Dr. Sarah Ferguson

Co-chair: Dr. Noor Ladhani

Judge: Dr. Marcus Bernardini

### L1: Oral administration of lactobacillus rhamnosus GR-1 alters the vaginal microbiome profile but not the cecal microbiome in pregnant CD-1 mice

Siwen Yang (1), **Alan Bocking** (2), Wei Li (1), **John Challis** (2), Gregor Reid (3), Gregory Gloor (3)  
(1) Department of Physiology, University of Toronto, (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) Other

### L2: Neonatal outcomes of preterm twins according to presentation and mode of delivery

Tiffany Hunter (1), Anne Synnes (2), Sandesh Shivananda (2), Junmin Yang (1), Lucia Mirea (1), Prakesh Shah (1), **Greg Ryan** (1), **Kellie Murphy** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

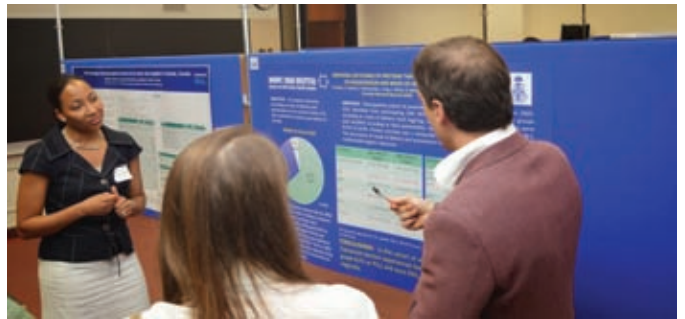
### L3: HIV knowledge among pregnant women at an inner city hospital in Toronto, Canada

Muhseen Yusuf (1), Leanne De Souza (2), Kate Besel (1), **Mark Yudin** (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) St Michael's Hospital

## *obstetrics II/ health delivery II*

### L4: Patient profile and reproductive health concerns of young women attending a specialized gynecology clinic

Alexandra Mardimae (1), **Lisa Allen** (2), **Yolanda Kirkham** (2)  
(1) Other (Canada), (2) Department of Obstetrics and Gynaecology, University of Toronto



### L5: Web-based education and attitude to caesarean delivery in nulliparous women

Anjali Kulkarni (1), **John Kingdom** (1), Emily Wright (1)  
(1) Department of Obstetrics and Gynaecology, University of Toronto



**POSTER GROUP M**

Co-chair: Dr. Wendy Wolfman

Co-chair: Dr. Guylaine Lefebvre

Judge: Dr. Ari Baratz

**M1: Static stretch influences the expression of extracellular matrix proteins in vaginal fibroblasts derived from women with severe pelvic organ prolapse**

Hala Kufaishi (1), Yaryna Rybak (2), **Harold Drutz** (2), **May Alarab** (2), **Oksana Shynlova** (2)  
 (1) Lunenfeld-Tanenbaum Research Institute, (2) Department of Obstetrics and Gynaecology, University of Toronto

**M2: Use of validated standardized questionnaires in urogynecology: A survey**

Pieter Kruger (1), **Patricia Lee** (2)  
 (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Sunnybrook Health Sciences Centre

**M3: The impact of social determinants of health on post partum older primiparous women's perceptions of prenatal care: A needs assessment**

Shira Gold (1), **Amanda Selk** (1)  
 (1) Department of Obstetrics and Gynaecology, University of Toronto

*urogynaecology  
oncology II***M4: The effect of preoperative waiting time on the quality of life of urogynaecology patients as compared to orthopaedic patients: Interim results**

Yvonne Leong (1), Sayoko Kotani (1), Carolyn Best (1), Phaedra Diamond (1), **Danny Lovatsis** (1), **Harold Drutz** (1)  
 (1) Department of Obstetrics and Gynaecology, University of Toronto

**M5: Identifying barriers to colposcopy services in women with abnormal pap smears at Women's College Hospital**

Monica Abdelmasih (1), **Amanda Selk** (1)  
 (1) Department of Obstetrics and Gynaecology, University of Toronto



## JW KNOX RITCHIE RESEARCH AWARDS

We are pleased to announce the following winners of the 2014 JW Knox Ritchie Research Awards for best abstract/presentation by trainee category:

### Post-Doctoral Fellow:

**Lubna Nadeem**, (Supervisor: Stephen Lye), Oksana Shynlova, Xuesen Dong  
Progesterone Receptor A mediates de-repression of Connexin43 expression

**Monique Rennie**, (Supervisor: S Lee Adamson), Anum Rahman, Kathie Whiteley, John Sled  
Site-specific Increases in Utero- and Feto-placental Arterial Vascular Resistance in eNOS Deficient Mice Due to Impaired Arterial Enlargement



### Clinical Fellow:

**Heinrich Husslein**, (Supervisor: Guylaine Lefebvre), Lindsay Shirreff, Esther Bonrath, Elaine Shore, Teodor Grantcharov  
Validation of the Generic Error Rating Tool (GERT) in gynecologic laparoscopy

**Rohan D'Souza**, (Supervisor: John Kingdom), Sarah Keating, Melissa Walker, Sascha Drewlo  
Unfractionated Heparin, Placental Ultrasound and Placental Histopathology: Secondary analysis of a pilot randomized controlled trial

### Resident:

**Paulina Cybulska**, (Supervisor: Marcus Bernardini), Jocelyn Stewart, Blaise Clark, Benjamin Neel  
Ovarian High Grade Serous Cancer Xenografts as Pre-Clinical Models of Response to Chemotherapy

### Graduate Student:

**Stephanie Baello**, (Supervisor: Stephen Matthews), Majid Iqbal, William Gibb  
Astrocyte-Derived Factors Increase Multidrug Resistance via P-glycoprotein at the Developing Blood-Brain Barrier





# RESEARCH GRANTS AND INVESTIGATIONS

## PEER-REVIEWED GRANTS

Over \$10,000

PI=Principal Investigator

NB: The prorated dollar amount for the period July 1 2013 – June 30 2014 precedes the total funding for the grant.

**Adamson SL** (PI), **Nagy A**. Role of placental VEGF-A and FLT1/sFLT1 in placental vascularity, fetal growth, and maternal function in mice. Canadian Institutes of Health Research (CIHR), Operating Grant, \$210,926 (\$1,028,010 total), April 2009 – March 2014.

Auger J, Baillargeon J-P, Beli (PIs), Carranza-Mamane B, **Greenblatt E**, Hivert M-F, Langlois M-F, Lavoie HB, Pesant M-H, Poder TG (CIs). Evaluation of clinical outcomes and costs of a transferable interdisciplinary lifestyle intervention pre-and per-pregnancy in obese infertile women. Canadian Institutes of Health Research (CIHR) and Quebec Ministry of Health, Partnerships for Health System Improvement Grant, \$115,384 (\$345,500 total), April 2011 – Mar 2014.

Balki M (PI), Cooke ME, **Windrim R**. High-fidelity simulation to assess interprofessional teamwork in obstetric crisis management. Ontario AHSC AFP Innovation Funds, \$124,437 total, June 2013 June – May 2015.

Barbera L, **Gien L** (Co-PIs), **Co-vens A**, Elit L, **Fyles A**, **Khalifa M**, Rakovitch E, Sutradhar R, **Thomas G**. Vulvar carcinoma: A population-based analysis. Ontario Institute for Cancer Research (OICR)/Cancer Care Ontario (CCO), Health Services Research (HSR) Program, \$25,971 total, 2013-2014.

**Barrett JF** (PI), Allen AC, Armson BA, **Asztalos EV**, Farrell SA, Gafni A, **Hannah ME**, Hutton EK, Joseph KS, **Ohlsson A**, **Okun NB**, Ross SJ, Willan AR. The Twin Birth Study: A multicentre randomised controlled trial comparing planned Caesarean section with planned vaginal birth for twins at 32-38 weeks gestation, (Follow-up Study). Canadian Institutes of Health Research (CIHR), Operating Grant, \$188,109 (\$438,577 total), April 2012 – March 2015.

Baxter N, Kennedy E (PIs), Yee S, **Greenblatt E**, Nathan P, Gupta A, Simmons C, Brezden-Measly C. Improving the quality of oncofertility decision-making for women at risk of infertility during cancer survivorship. Canadian Cancer Society, Quality of Life Research Grant, \$299,936 total, February 2014- March 2017.

**Berger H** (PI). Improving the cardiometabolic health of mothers and young children. Academic Funding Program Innovation Funds, Grant, \$41,603 total, April 2014 – April 2016.

**Bernardini M** (PI), **Ferguson SE**, **Murphy J**, **Rosen B** (Co-PIs). A prospective study evaluating surgical and quality of life outcomes in robotics and laparoscopy compared to laparotomy in early stage endometrial and cervical cancers. AHSC AFP Innovation Fund, \$188,009 total, June 2011 – July 2013.

**Bernardini M** (PI), **Ferguson S**, **Murphy KJ**, **Rosen B**. A prospective study evaluating surgical and quality of life outcomes after robotic surgery, laparoscopy, and laparotomy in the management of uterine and cervical cancer. McArthur Endowment for Gynaecologic Oncology, \$36,923 (\$80,000 total), January 2013 – January 2014.

Bhattacharjee J (PI), **Caniggia I**. The role of Mcl-1 in regulating placental cell fate. Canadian Institutes of Health Research (CIHR), HOPE-Scholarship, Operating Grant, \$8,334 (\$46,000 total), September 2011 – January 2014.

**Bocking AD** (PI), Reid G, Burton J, Gloor G, **Maxwell C**. The oral, vaginal and gut microbiome of obese women. Canadian Foundation for Women's Health, The W. Garfield Weston Foundation Awards in Obesity and Reproductive Health, \$18,000 total, June 2013 – June 2015.



**Brown TJ** (PI). Novel functions of nuclear receptor coactivator 4 at the mitotic apparatus. Natural Sciences and Engineering Research Council of Canada (NSERC), \$29,508 (\$150,000 total), April 2011 – April 2016.

**Brown TJ, Rosen BP** (PIs); **Allen L, Bernardini M, Colgan TJ, Ferguson S, Greenblatt E, Murphy KJ**, Tone AA, Virtanen C. Sustained ovulation-associated inflammatory signaling in fallopian tube epithelium as a predisposing factor of serous carcinoma. Canadian Institutes of Health Research (CIHR), Operating Grant, \$152,087 (\$677,761 total), October 2010 – September 2016.

Campos S (PI), **May T**. The use of Tivozanib (AV-951) as maintenance therapy post neoadjuvant chemotherapy in ovarian, fallopian tube or primary peritoneal carcinoma- Phase II clinical trial. National Comprehensive Cancer Network (NCCN), Research Grant, \$337,500 USD total, July 2012 – September 2014.

**Caniggia I** (PI), **Juriscova A**, Post M. The role of Bcl-2 family members in regulating placental cell fate. Canadian Institutes of Health Research (CIHR), Operating Grant, \$76,586 (\$781,420 total), October 2008 – September 2013.

**Casper RF** (PI), Rahman SA, Shapiro CM. Ameliorating affective disorder induced by circadian rhythm disruption. Canadian Institutes of Health Research (CIHR), Operating Grant, \$71,669 (\$427,126 total), October 2010 – September 2013.

Classen C, **Ferguson S**, (Co-PIs), Barbera L, Brotto LA, Carter J, Chivers ML, Koval JJ, Robinson JW, Urowitz S, Wiljer DE. A randomized controlled trial of an online support group for sexual distress due to gynecologic cancer. Canadian Institutes of Health Research (CIHR), Operating Grant, \$182,873 (\$455,999 total), October 2012 – September 2016.

**Covens A**, Carter J, Ali S (PIs). Non radical surgical therapy for Stage IA1-IB1 ( $\leq 2$ cm) cervical cancer. Division of Cancer Prevention, National Cancer Institute - National Institutes of Health, \$500,000 total, 2011 – 2014.

**Covens A** (PI), Carter J, Ali S. Evaluation of physical function and quality of life (QOL) before and after non- radical surgical therapy (extra fascial hysterectomy or cone biopsy with pelvic lymphadenectomy) for Stage IA1 (Ivsi+) and IA2-IB1 ( $\leq 2$ cm) cervical cancer (GOG 278). National Cancer Institute - National Institutes of Health, \$200,000 USD total, 2013-2016.

De Pokomandy A, Hogg RS, Kaida AK, Loutfy MR (Co-PIs), Anema A, Angel JB, Baril J-G, Brophy JC, Brotto LA, Gahagan JC, Hankins CA, Kaushic C, Klein MB, Leonard LE, Lima VD, Lloyd-Smith EM, Miller C, Money DM, Ogilvie GS, Palmer A, Pick N, Raboud JM, Rachlis AR, Roth E, Rouleau D, Rourke SB, Tharao WE, Tremblay CL, Trottier B, Trottier S, Tsoukas CM, Walmsley SL, **Yudin MH**. Canadian HIV Women's Sexual and Reproductive Health Cohort Study, a Canadian Observational Cohort (CANOC) Affiliated

Study. Canadian Institutes of Health Research (CIHR), Operating Grant, \$243,727 (\$1,024,648 total), April 2011 – March 2016.

Diamandis E (PI), **Bernardini M**. An integrated systems Biology approach for ovarian cancer biomarker discovery. National Institute of Health, 1U01CA152755-01, \$126,000 total, September 2010 – August 2013.

Disaia P, Copeland L, Thigpen T, Alvarez R, Aghajanian C, Fracaso P, Birrer M, Hamilton T, Whitney C, Spirtos N, Miller D, Randall M, Waggoner S, Alberts D, Monk B, Koh W, Walker J, Bookman M, Rodgers W, Gershenson D, **Covens A**, Nolte S, Mannell R, Fleming G, Bell J, Brown C, Wenzel (Co-PIs). National Cancer Institute, \$107,671,648 USD total, 2010 – 2015.

Dosch H-M, Dupre J, Fraser WD, Lawson ML, Mahon JL, **Sermer M**, Taback SP (Co-PIs). Trial to reduce IDDM in the genetically at Risk (TRIGR). Canadian Institutes of Health Research (CIHR), Randomized Controlled Trials, \$551,665 (\$12,864,311 total), April 2001 – September 2017.

Einstein G, **Wolfman W** (Co-PIs), Chiles S, Au A. Neuropsychological functioning of women with prophylactic oophorectomy. Canadian Institutes of Health Research (CIHR), Operating Grant, \$52,720 (\$156,286 total), October 2013 – September 2017.

**Feig DS** (PI), Armson BA, **Asztalos EV**, Fantus IG, **Lee SK**, Lipscombe L, **Murphy KE**, **Ohlsson A**, **Ryan EA**, Tomlinson GA, Zinman B (CIs). The MiTY Trial (Metformin in Women with Type 2 Diabetes in Pregnancy). Canadian Institutes of Health Research (CIHR), Operating Grant, \$386,420 (\$1,525,863 total) October 2010 – September 2015.

**Feig DS** (PI), Armson BA, **Asztalos EV**, Fantus IG, Hamilton JK, Haqq AM, **Lee SK**, Lipscombe L, **Murphy KE**, **Ohlsson A**, **Ryan EA**, 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, \$216,919 (\$522,019 total), October 2012 – September 2018.

**Feig D** (PI), **Asztalos E**, 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, \$121,042 total, July 2012 – June 2016.

**Ferguson SE** (PI). Universal Screening for Lynch Syndrome in Women with Endometrial and Non-Serous Ovarian Cancer. Princess Margaret Cancer Foundation, \$69,797 total, March 2014 – March 2015.

**Ferguson SE**, Catton P. Development of survivorship and education program for gynaecologic cancer patients. Princess Margaret Foundation – Weekend to End Women’s Cancer 2009, \$90,000, (\$360,000 total) 2010 – 2013.

**Ferguson SE** (PI), **Bernardini M**, Metser U, Clarke BA, Freeman M, Rasty G, **Murphy KJ**, Rouzbahman M, **Shaw P**. Accuracy of sentinel lymph node biopsy and gadofosveset-enhanced MR in nodal staging of high risk endometrial cancer: A prospective trial. Princess Margaret Hospital Foundation, \$42,734 (89,029 total), July 2012 – July 2014.

**Ferguson SE**, **Vicus D**, Metser U, **Bernardini M**, Freeman M, Clarke BA, Rasty G, Rouzbahman M, **Shaw P**, **Covens A**, Elich L, Khalifa M. Accuracy of sentinel lymph node biopsy and gadofosveset-enhanced mr in nodal staging of high risk endometrial cancer: A prospective trial. University of Toronto - Department of Obstetrics and Gynaecology, McArthur Endowment for Gynaecologic Oncology, \$19,200, (\$40,000 total), January 2012 – January 2014.

**Gien L**. Trends over time and regional variation in the use of laparoscopic hysterectomy for the treatment of endometrial cancer in the province of Ontario. McArthur Fund, \$20,000, 2013.

Harris D, **Rogers I** (Co-PIs). A model for analyzing the role of extrinsic factors responsible for aging of the human immune system. National Institutes of Health, Eureka Grant, \$40,000 (\$160,000 total), April 2010 – May 2014.

Henkelman M (PI), **Adamson SL**, Bedell B, Hayden M, Lerch J, McKerlie C, Nieman B, **Rossant J**, Sled J, Salter M (Co-PIs). Imaging the mouse. Canadian Foundation for Innovation, Leading Edge Fund, Infrastructure Grant, \$2,772,049 total, April 2013 – March 2018.

Jones JM, Howell DM (PIs), Buchman SH, Catton P, Earle CC, **Ferguson S**, Fitzgerald BJ, Gagliardi AR, Gospodarowicz M, Harrison MB, Jadad AR; Jusko Friedman A, Sharpe MB, Urowitz S, Warde PR, Wiljer DE. Transition to survivorship: Translating knowledge into action for testicular and endometrial cancer populations. Canadian Institutes of Health Research (CIHR), Operating Grant, \$46,516 (\$256,582 total), October 2010 – September 2013.

Jones J (PI), **Ferguson SE**, Warde P, Earle C, Gagliardi A, Harrison M, Jusko Friedman A, Buchman S, Catton P, Fitzgerald B, Sharpe M, Gospodarowicz M, Jadad A, Urowitz S, Wiljer D. Transition to Survivorship: Translating knowledge into action for endometrial cancer and testicular cancer population. Princess Margaret Hospital Foundation, \$17,143 (\$20,000 total), January 2013 – July 2013.

Joseph KS, Liston RM, Magee LA (Co-PIs), Allen VM, Ansermino JM, Audibert F, **Barrett J**, Brant RF, Bujold E, Carson GD, Castillo E, Crane JM, Demianczuk NN, Dougal MJ, Gagnon R, Gratton RJ, Hutcheon JA, McDonald SD, Olatunbosun OA, Rey EE, Smith GN, Won Dadelszen P, Walker MC, **Whittle WL**, Wood SL. Preventing Severe Maternal Morbidity. Canadian Institutes of Health Research (CIHR), Emerging Team



Grants in Maternal Health: From Pre-conception to the Empty Nest, \$300,000 (\$922,500 total), April 2011 – January 2015.

**Juriscova A** (PI). Acid sphingomyelinase - a regulator of reproductive success. Natural Sciences and Engineering Research Council of Canada (NSERC), Discovery Grant Program – Individual, \$30,000 total, March 2013 – April 2014.

**Juriscova A** (PI). Mcl-1 as a regulator of ovarian reserve. Canadian Institutes of Health Research (CIHR), Operating grant, \$139,744 (\$350,336 total), October 2012 – September 2017.

**Juriscova A** (PI). Infrastructure for high-resolution three-dimensional imaging of live cells IOC-11. Canada Foundation for Innovation, Operating Grant, \$103,330 total, April 2010 – March 2015.

**Kingdom JC** (PI), Cox BJ. Placental response to heparin: Implications for the prevention of pre-eclampsia. Canadian Institutes of Health Research (CIHR), Operating Grant, \$130,415 (\$326,038 total), October 2012 – September 2016.

**Kingdom JC**, Cox BJ (Co-PIs). Villous trophoblast turnover. Canadian Institutes of Health Research (CIHR), Operating Grant Renewal, \$148,450 (\$593,799 total), October 2010 – September 2014.

Kislinger T (PI), Ailles LE, **Bernardini M**, Clarke B. A Novel Biomarker Discovery Strategy Combining Primary Tumour Xenograft Models and Glyco-Capture of Secreted Proteins. Canadian Institutes of Health Research (CIHR), Operating Grant, \$480,264 total, April 2014 – March 2017.

**Kroft J** (PI), Ordon M, Lee J, **Pit-tini R**. Can surgical “warm-up” with instructor feedback improve operative performance of surgical trainees? Sunnybrook Health Sciences SEAC ERC Education Research and Scholarship Grant, Sunnybrook Health Sciences Centre, \$2,986 (\$9,704 total), March 2013 – March 2014.

Lebel S (PI), Benea A, Bernstein L, Catton P, Courbasson C, **Ferguson S**, Harris C, Jolicoeur L, Lefebvre M, Maheu C, Muraca L, Sidani S, Singh M, Agnihotram RV. 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 (CC-SRI), \$100,000 (\$300,000 total), February 2014 – January 2017.

Leong Y, **Drutz H** (Co-PIs). A randomized double-blinded trial comparing fesoterodine to desmopressin in the treatment of severe nocturia in women aged 65 and older. Physicians’ Services Incorporated, Health Research Grant, \$125,500 total, July 2013 – June 2014.

Lilge L, **Derzko C**. Use of optical breast spectroscopy to evaluate short-term (early) breast tissue changes in post-menopausal women initiating menopausal hormone therapy. Princess Margaret Hospital Foundation, Weekend Walkers Breast Cancer Innovation Fund, \$100,000, 2010 – ongoing.

Liston RM, MaGee LA, Synnes AR (Co-PIs), Allen VM, Ansermino JM, Audibert F, **Barrett J**, Brant RF, Bujold E, Crane JM, Demianczuk NN, Joseph KS, Piedboeuf B, Von Dadelzen P, Walker MC, **Whittle WL**, Wood SL (CIs). MAG-CP: Magnesium sulphate for fetal neuroprotection of the preterm infant. Canadian Institutes of Health Research (CIHR) Operating Grant, \$158,706 (\$542,550 total), October 2011- September 2015.

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**Lye SJ** (PI). Fetal, neonatal and maternal health. Canadian Institutes of Health Research (CIHR), Tier 1 Canada Research Chairs Program, Operating Grant, \$200,000 (\$1,400,000 total), July 2008 – June 2015.

**Lye SJ** (PI), Adams LA, Beilin LJ, Briollais L, **Matthews SG**, Newnham JP, Olynyk JK, **Palmer LJ**, **Pennell CE**. Gene-environment interactions underlying the developmental origins of health and disease. Canadian Institutes of Health Research (CIHR), Operating Grant, \$155,504 (\$1,130,167 total), April 2007 – March 2015.

**Lye, SJ** (PI), **Adamson L**, **Matthews SG**, **Pennell CE**. A murine model to investigate the mechanisms underlying DOHaD. Canadian Institutes of Health Research (CIHR), Operating Grant, \$189,892 (\$1,284,525 total), October 2006 – September 2014.

**Lye SJ** (PI), **Challis J**, **Dong X**. Progesterone signalling during pregnancy and labour. Canadian Institutes of Health Research (CIHR), Operating Grant, \$152,036 (\$636,990 total), April 2011 – March 2016.

**Lye SJ** (PI), Dunk CE, Harris LK, Jones RL, **Keating SJ**. Leukocyte-trophoblast mediated utero-placental vascular remodeling. Canadian Institutes of Health Research (CIHR), Operating Grant, \$72,433 (\$205,307 total), October 2013 – September 2018.

**Lye SJ** (PI), Hood L, **Matthews S**, Mesiano S, Myatt L, **Pennell C**, Price N, Sadovsky Y. Systems biology of preterm birth: A pilot study. GAPPS (Global Alliance to Prevent Prematurity and Stillbirth), \$67,655 USD (\$541,240 USD total), April 2013 – March 2015.

**Lye SJ** (PI), **Shynlova O** (CI).

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**Lye SJ** (PI), **Shynlova O**, **Bocking AD**. Prevention of preterm birth: Targeting inflammatory pathways. March of Dimes, Grant, \$300,000 USD total, March 2014 – February 2017.

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**May T** (PI). Chemoresistant clones in ovarian carcinoma following neoadjuvant chemotherapy- a feasibility study. Princess Margaret Cancer Center, The Phil and Terry Browman Grant Fund, \$35,000 total, November 2013 – November 2014.

**Maxwell C**, McDonald SD (PIs), Beyene B, Giglia L. Synthesizing the best evidence for weight gain during pregnancy in obese women: Were the national guidelines excessive? Canadian Institutes of Health Research (CIHR), Knowledge Synthesis Grant, \$100,000 total, March 2014 – February 2015.

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**Murphy KJ** (PI), Chapman B, Boerner S. Evaluation of the role of human papilloma virus testing P16 expression in the management of patients undergoing cervical screening. Princess Margaret Hospital Foundation, \$257,000 total, 2008 – Present.

**Nagy A**. Tier 1 - Canada Research Chair in Stem Cells and Regeneration, \$200,000 (\$1,400,000 total), October 2007 – September 2014.

**Nagy A** (PI). Somatic cell reprogramming and therapeutics. Canadian Institutes of Health Research (CIHR), \$250,015 (\$1,251,797 total), April 2010 – March 2015.

**Nagy A** (PI), **Rogers I**, Woodgett J, Wrana J, Zandstra P, **Rossant J**. Molecular pathways of reprogramming – from discovery to novel therapeutics. Ontario Research Fund, Global Leadership in Genomics and Life Sciences (ORF-GL2), \$10,000,000 total, January 2010 – January 2016.

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**Narod SA** (PI), **Casper RF**, Kotsoopoulos J, Wheeler AR. The physiological impact of postmenopausal oophorectomy on hormone levels in women with BRCA1 mutation. Canadian Institutes of Health Research (CIHR) - NSERC partnered, Collaborative Health Research Projects, \$199,319, (\$412,769 total), April 2012 – March 2015.

**Narod S**, **Murphy KJ** (Co-PIs), Cheung AM, Finch AP, Harvey PJ, **Rosen B** (CIs). The effect of prophylactic salpingo-oophorectomy on markers of health in women who carry a BRCA mutation. Canadian Institutes of Health Research (CIHR), Operating Grant, \$143,191 (\$334,313 total), October 2012 – September 2015.

**Narod S**, Quan M (Co-PIs), **Glass K**. SPOKE and GYPSY: Studies to Encourage Early Fertility Preservation Referral and to Predict Effects of Treatment on Fertility of Young Women with Breast Cancer. Canadian Breast Cancer Foundation (CBCF) and Canadian Institutes of Health Research (CIHR) Breast Cancer in Young Women Research Program, \$5,700,000 total, June 2014 - June 2018.

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**Ray JG** (PI), **Berger H**, Maguire JL, Retnakaran RR. Abdominal visceral fat measured in early pregnancy as a novel and practical early predictor of gestational diabetes mellitus. Canadian Institutes of Health Research (CIHR), Operating Grant, \$56,835 (\$142,088 total), April 2013 – September 2015.

Ringuette M (PI), **Brown TJ**, Garipey J, Petrik J, **Murphy KJ**. Development of SPARC mimetic peptides for targeting peritoneal metastasis of epithelial ovarian cancer. Collaborative Health Research Projects (NSERC partnered), \$153,699 (\$461,097 total), April 2011 – March 2014.

**Rogers I** (PI), **Lee P**. Does nitric oxide supplementation increase stem cell survival and proliferation? Centre for Commercialization and Regenerative Medicine, Proof of Principle Grant, \$30,000 total, December 2013 – December 2014.

**Rogers I** (PI). Treatment of diabetic skin wounds by combining cultured CD34+ cells with a bio-material delivery system. Canadian Stem Cell Network Grant, \$100,000 total, June 2013 – July 2014.

**Rosen B** (PI). Oncology Nursing Training Partnership between Princess Margaret Cancer Centre and Moi Teaching and Referral Hospital. PMH Social Responsibility Fund, \$20,000 total, 2014-2015.

**Rosen B** (PI). AMPATH Cervical Cancer Screening Program in Western Kenya. Princess Margaret Hospital Kenya Cervix Cancer Program Fund, \$83,756 total, 2014-2015.

**Rosen B** (PI), **Bocking A**, **Christoffersen-Deb A**, Asirwa F, Omonge E, Itsura P, **Murphy J**. Taking a LEEP! Implementing a see & LEEP strategy for women in Western Kenya with positive cervical cancer screening. Grand Challenges Canada Stars in Global Health Grant, \$100,000 total, 2013 – June 2015.

**Rosen B** (PI). Expanding engagement and adoption in structured synoptic reporting. Canadian Partners Against Cancer (CPAC), \$175,592.62 total, 2012 April – 2014 March.

**Rosen B** (PI). Structured synoptic reporting: Expanding within cancer through a pan Canadian Partnership. Canadian Partnership Against Cancer (CPAC), \$115,032.38 total, 2012 April – 2014 March.

Rossos P, **Murphy KJ** (Co-PIs). Developing Canadian standardized synoptic reporting and outcome standards for colonoscopy and colposcopy to improve quality of care and access for cancer screening and surveillance. Canada Health Infoway (CHI), \$428,571 (\$750,000 total), July 2012 – March 2014

Roth D (PI), Collaborators: Zlotkin S, Morris S, **Weksberg R**, Willan A, Adeli K, **Murphy KE**, Shah P, Gergolas E, Al Mahmud A, Ahmud T, Islam M, **Shah R**, Baqui A. Prenatal vitamin D trial in Bangladesh. The Bill and Melinda Gates Foundation (Clinical Trials), \$1,411,760 (\$1,999,993 total), Jul 2012 – Present.

Sefton M (PI), **Rogers I**, Van der Kooy, Zandstra. Determine appropriate biomaterial to be used as a delivery system for stem cells in a wound healing setting. Ontario Research Fund (ORF), \$200,000 total, May 2013 – January 2016.

Serghides L (PI), Kibschull M, Papp E, **Shynlova O**, Silverman M (CIs). HIV antiretrovirals and their impact on sex steroids during pregnancy; a potential mechanism for the increased adverse pregnancy outcomes in women with HIV. Canadian Institutes of Health Research (CIHR), Operating Grant, \$60,210 (\$209,152 total), October 2013 – September 2018.

**Shapiro H** (PI), Chan C. Comparison of peer to peer learning to top down learning using home laparoscopic trainers. Department of Obstetrics and Gynaecology, Mount Sinai Hospital, (Clinical Trials), \$25,000 total, July 2012 – July 2014.

Shehata N (PI), Wilson K, Forster A, **Malinowski A**. Trends and Predictors of Red Cell Transfusion in Obstetrical Patients. Canadian Blood Services, Research and Development Grant, \$15,000, July 2013 – June 2014.

**Shynlova O** (PI), **Alarab M**. Vaginal stretch and ovarian hormones: Potential implications for the development of pelvic organ prolapse. Research Fund, Department of Obstetrics and Gynaecology, Mount Sinai Hospital, University Health Network, \$25,000 (\$50,000 total), July 2012 – June 2014.

**Silversides C, Siu SCB** (PIs); **Colman JM**, Lee DS-Y, Natale R, Penava DA, **Sermer M, Wald RM**. Pregnancy and subsequent cardiovascular risk in women with heart disease. Canadian Institutes of Health Research (CIHR), \$135,200, (\$405,600 total), April 2011 – March 2014.

Sled JG, MacGowan CK (Co-PIs), **Adamson SL, Kingdom JC**, Seed MTM. Advanced MRI methods for early detection and characterization of placental dysfunction and the monitoring of therapy. Canadian Institutes of Health Research (CIHR) Grant, \$79,240 (\$236,020 total), October 2013 – September 2016.

**Spitzer RF** (PI), **Allen LM**. Use of ACASI to gather information on risk behaviours in a referral population of pregnant Canadian adolescents. Physicians' Services Incorporated Foundation, Grant, \$12,600, (\$37,800 total), 2011 – 2013.

Vigod S (PI), **Murphy KE**, Dennis CL, Daskalakis Z, Ray JG, Oberlander TF, Dalfen A, **Seaward G** (CIs). Transcranial Direct Current Stimulation (tDCS) for Depression in Pregnancy. Canadian Institutes of Health Research (CIHR), Sick Kids Foundation, \$113,274 total, January 2014 – December 2015.

**Vicus D** (PI), Lin Y, Pasetka M, Kiss A, Callum J. A randomized controlled trial of pre-operative treatment with ferrous fumarate 300 mg once daily versus placebo in newly diagnosed gynecologic oncology patients who are primary surgical candidates. Sunnybrook Health Sciences Centre, Alternative Practice Plan Innovation Fund, \$72,762 total, 2012-2013.

Wen SW, Walker MC (Co-PIs), Coyle DA, Davidge ST, Ferguson DA, Fraser WD, **Kingdom JC**, **Lee SK**, Perkins SL, Smith GN, Wells GA (CIs). Effect of folic acid supplementation in pregnancy on preeclampsia. Folic Acid Clinical Trial (FACT). Canadian Institutes of Health Research (CIHR), \$1,287,863 (\$6,448,423 total), October 2009 – September 2014.

Zandstra P (PI), **Nagy A**. Scalable high density single-cell expansion and directed neural differentiation of human pluripotent stem cells. Centre for Commercialization and Regenerative Medicine, McEwen Centre CCRM Commercialization Impact Prize, \$300,000 (\$150,000 to Nagy A), January 2013 – January 2015.

Zinman B, Retnakaran RR, Hanley AJG, **Sermer M**, Connelly PW. Role of the arginine/nitric oxide metabolome in the early natural history of cardiovascular disease in young women with varying degrees of glucose intolerance in pregnancy. Canadian Diabetes Association, \$436,257 total, 2010 – 2013.

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## INDUSTRY GRANTS

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**Bentov Y** (PI), **Esfandiari N**, **Chang P**, **Casper RF**. The effects of prolonged pituitary down regulation on endometrial gene expression of endometriosis patients. Abbot Pharmaceuticals, \$75,000 total, June 2012 – present.

**Greenblatt E** (PI), Chan C, **Brown TJ**, Winegarden N, Virtanen 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, \$196,868, (\$213,274 total), July 2012 – present.

**Liu KE** (Co-PI). Effect of endometrial biopsy on in-vitro fertilization pregnancy rates- a randomized, multicentre study. Ferring Inc, Unrestricted Educational Grant, \$134,400 (\$280,000 total), April 2012 - April 2014.

**Rosen B** (PI). FLTR (Find, Link, Treat, Retain) in Cervical Cancer Screening. Abbvie Foundation Grant, \$100,000 total, 2014-2015.

**Wolfman W**. 2 Year Unrestricted Grant for 2 year menopause Fellowship at Mount Sinai Hospital. Pfizer Canada Inc, \$100,000 total, June 2014 – June 2015.

## COMMON ABBREVIATIONS

AACR	American Association for Cancer Research
AAGL	American Association of Gynecologic Laparoscopists
AAP	American Academy of Pediatrics
ACOG	American Congress of Obstetricians and Gynecologists
ACS	American Cancer Society
AEPC	Association for European Paediatric Cardiology
AHA	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 Gynecology 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 Health, 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 Pediatric Rheumatology Investigators
CAPSNet	Canadian Pediatric 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)
CCOCR	Canadian Conference on Ovarian Cancer Research
CCSRI	Canadian Cancer Society Research Institute
CDA	Canadian Diabetes Association
CEPD	Continuing Education and Professional Development (University of Toronto)
CERI	Canadian Epilepsy Research Initiative
CFPC	College of Family Physicians of Canada
CFRC	Centre for Fertility and Reproductive Care (MSH)

CHI	Canada Health Infoway
CHU	Centre hospitalier universitaire Sainte-Justine
CIHR	Canadian Institutes of Health Research
CMAS	The Centre for Minimal Access Surgery
CMICR	The Centre for Mother, Infant, and Child Research
COGI	World Congress on Obstetrics, Gynecology and Infertility
COMEGO	Colegio Mexicano de Especialistas en Ginecología y Obstetricia, A.C.
COSA	Clinical Oncological Society of Australia
CPA	Canadian Physiotherapy Association
CPS	Canadian Paediatric Society
CREOG	Council on Resident Education in Obstetrics and Gynecology
CSEM	Canadian Society of Endocrinology and Metabolism
CSMFM	Canadian Society of Maternal Fetal Medicine
CSTM	Canadian Society for Transfusion Medicine
CTN	CIHR Canadian HIV Trials Network
CUA	Canadian Urologic Association
DPSG	Diabetic Pregnancy Study Group
EASD	European Association for the Study of Diabetes
ECNP	European College of Neuropsychopharmacology
EORTC	European Organisation for Research and Treatment of Cancer
EPA	European Placenta Group
ESC	European Society of Cardiology
ESGE	European Society for Gynaecological Endoscopy
ESHRE	European Society of Human Reproduction and Embryology
FAIS	Federation of African Immunological Societies
FAOPS	Federation of Asian and Oceania Perinatal Societies
FCMS	Federation of Chinese American and Chinese Canadian Medical Societies
FIGO	International Federation of Gynecology and Obstetrics
FMWC	Federation of Medical Women of Canada
FORCE	Facing Our Risk of Cancer Empowered
GAPPS	Global Alliance to Prevent Prematurity and Stillbirth
GOC	The Society of Gynecologic Oncology of Canada
GOG	Gynecologic Oncology Group
HSC	Hospital for Sick Children
HSFO	Heart and Stroke Foundation of Ontario
HUPO	Human Proteome Organisation
IBD	Inflammatory Bowel Disease
ICAAC	Interscience Conference on Antimicrobial Agents and Chemotherapy
ICONN	The International Collaboration of Neonatal Networks
ICS	International Continence Society
ICHG	International Congress of Human Genetics
IDSA	Infectious Diseases Society of America
IDSOG	Infectious Diseases Society for Obstetrics and Gynecology
IEEE	Institute of Electrical and Electronics Engineers
IFMSS	The International Fetal Medicine and Surgery Society
IFPA	International Federation of Placenta Associations
IGORS	International Gynecologic Oncology Robotic Symposium
IGCS	International Gynecologic Cancer Society
IHDCYH	Institute of Human Development, Child and Youth Health
IMS	International Menopause Society
INTAPP	An International Trial of Antioxidants in the Prevention of Preeclampsia
IPEG	International Pediatric Endoscopy Group

IPE	Interprofessional Education
IPOS	International Psycho-Oncology Society
ISDS	International Skeletal Dysplasia Society
ISMRRM	The International Society for Magnetic Resonance in Medicine
ISSCR	International Society for Stem Cell Research
ISSHP	The International Society for the Study of Hypertension in Pregnancy
ISSTD	International Society for the Study of Trophoblastic Diseases
IUGA	International Urogynecological Association
LHIN	Local Health Integration Network
MEFS	Middle East Fertility Society
MICYRN	Maternal Infant Child and Youth Research Network
MOHLTC	Ministry of Health and Long-Term Care (Ontario)
MSH	Mount Sinai Hospital
NAFTNet	The North American Fetal Therapy Network
NAMS	North American Menopause Society
NASOM	North American Society of Obstetric Medicine
NASPAG	North American Society for Pediatric and Adolescent Gynecology
NESA	New European Surgical Academy
NCI	National Cancer Institute (part of NIH)
NIDA	National Institute on Drug Abuse
NIH	National Institutes of Health
NSERC	Natural Sciences and Engineering Research Council of Canada
NYGH	North York General Hospital
NYSORA	The New York School of Regional Anesthesia
OCFP	Ontario College of Family Physicians
OGS/OGSST	Ontario Graduate Scholarship/Ontario Graduate Scholarship in Science and Technology
OMA	Ontario Medical Association
OTIS	Organization of Teratology Information Specialists
PAG	Paediatric and Adolescent Gynaecology
PAS	The Pediatric Academic Societies
PCRS	Pacific Coast Reproductive Society
PMH	Princess Margaret Hospital
PNOGA	Pacific Northwest Obstetrical and Gynecological Association
POGO	Pediatric Oncology Group of Ontario
PREBIC	PREterm Birth Collaborative
PSANZ	Perinatal Society of Australia and New Zealand
PSI	Physicians' Services Incorporated
RCOG	Royal College of Obstetricians and Gynaecologists (UK)
RCPSC	Royal College of Physicians and Surgeons of Canada
RSNA	Radiological Society of North America
SAEM	Society for Academic Emergency Medicine
SAGES	Society of American Gastrointestinal and Endoscopic Surgeons
SCMR	Society of Cardiovascular Magnetic Resonance
SGI	Society for Gynecologic Investigation
SGO	Society of Gynecologic Oncology
SHSC	Sunnybrook Health Sciences Centre
SHUTC	Sunnybrook Hospital University of Toronto Clinic (legal name, operates, as of 1973, as Academic Clinicians' Management Services)
SIBEN	SIBEN, the Sociedad Iberoamericana de Neonatología
SIECCAN	Sex Information and Education Council of Canada
SIR	Society of Interventional Radiology
SJHC	St. Joseph's Health Centre



SLRI	Samuel Lunenfeld Research Institute
SLS	Society of Laparoendoscopic Surgeons
SMFM	Society for Maternal-Fetal Medicine
SMH	St Michael's Hospital
SMIG	Society of Minimally Invasive Gynaecology
SOGC	Society of Obstetricians and Gynaecologists of Canada
SOGIBA	Sociedad de Obstetricia y Ginecología de Buenos Aires
SOGS	Saudi Obstetrics and Gynecological Society
SOGT	Society of Obstetricians and Gynaecologists of Toronto
SORB	Southern Ontario Reproductive Biology
SSR	Society for the Study of Reproduction
STGO	Tunisian Societies of Gynaecology and Obstetrics
STLHE	Society for Teaching and Learning in Higher Education
TAHSN	Toronto Academic Health Science Network
TEGH	Toronto East General Hospital
UGSA	UroGynaecological Society of Australasia
UHN	University Health Network
USCAP	United States and Canadian Academy of Pathology
WAGO	Western Association of Gynecologic Oncologists
WEBC	Weekend to End Breast Cancer
WFUMB	World Federation for Ultrasound in Medicine and Biology
WHI	Women's Health Initiative
WHO	World Health Organization
WRGC	World Robotic Gynecology Congress





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