



Obstetrics & Gynaecology
UNIVERSITY OF TORONTO

ANNUAL REPORT 2014-2015



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.

Department of Obstetrics and Gynaecology
Faculty of Medicine
University of Toronto
123 Edward Street, Suite #1200
Toronto, Ontario M5G 1E2

Telephone: 416-978-2688
Fax: 416-978-8350
Website: <http://www.obgyn.utoronto.ca>



Obstetrics & Gynaecology
UNIVERSITY OF TORONTO

IN MEMORIAM



Dr. Matthew Morton
June 12, 1976 - August 27th, 2015
Assistant Professor of Obstetrics & Gynaecology

An obstetrician, renowned pelvic surgeon, award winning teacher, pictured here with his wife Heidi and children. Dr. Morton made significant impacts on his students, residents, colleagues and patients that will be forever remembered. We are extremely saddened to lose such a great colleague, physician, and friend. He will be deeply missed.

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

Kristen Gane
Joe George
Shayna Henry
Khrystyna Levytska
Jeannette Moniz
Alissa Moody
Irisz
Caroline Sutherland
Tina Xue



A beautiful female Blue-throated Starfrontlet Hummingbird photographed by Dr. Peter Hawrylyshyn MD PhD, Core Obstetrics & Gynaecology, Mount Sinai Hospital.

Common abbreviations used throughout the text are shown on pages 133 to 136.

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CHAIR'S REPORT

John C. Kingdom, Gordon C. Leitch Chair

Welcome to our 2014-2015 Annual Report, one that reflects our collective achievements in my second year as your Department Chair. We are now settled into our new home at 123 Edward Street, 12th floor. Many of you have seen our modern facilities, including our large boardroom, with videoconference capability, which can seat up to 40 people and is a very useful resource for you to consider for future activities.

New to this year's report (see page 45) is a section devoted to the inaugural Chair's Summer Student Research Program, including support of University of Toronto medical students in CREMS programs. A total of 17 students received support, conducting research with supervisors at all sites and across the full width of our specialty. Students were asked to send in a photo of them with their supervisor, and write a short paragraph about their experience. It's "Editor's Choice" as this section illustrates so well how much we are energized to improve women's health through the efforts of emerging new researchers.

Our academic year began with a successful Faculty Professional Development Day at Vaughan Estates - thanks to Dr. Filomena Meffe and her colleagues organizing this event. Many talented individuals across our Hospitals were recognized for their outstanding contributions to Education and Research through the Chair's Awards and our Undergraduate and Postgraduate Teaching Awards, as listed in this report. In November, 2014, Dr. Modupe Tunde-Byass at North York General Hospital, resplendent in her traditional dress and accompanied by her proud husband, was our Department's recipient of the APOG Carl Nimrod Educator of the Year Award. A new and important dimension to the event was the incorporation of a formal celebration of our Faculty who were successful with their Senior Promotions, effective July 1st, 2014: these were Wendy Wolfman to full Professor and Drs. May Alarab, Janet Bodley, and Sarah Ferguson to Associate Professor. In addition, we would like to acknowledge Drs. Marcus Bernardini, Ian Rogers, Rachel Spitzer, and Suzanne Wong, who were successful with Senior Promotions effective July 1st, 2015. The 2015 promotions are profiled in this report from page 42 and 43.

Research Day in May was yet another great success, where we pushed through two major barriers; over 100 abstracts and over 300 attendees. My thanks to Dr. Steve Lye, Dr. Ted Brown, and Ms. Helen Robson, our Research Committee and our Administration Team for a perfectly coordinated event. Dr. Hamish Wallace, Professor of Paediatric Oncology at the Royal Hospital for Sick Children and University of Edinburgh, Scotland, gave a captivating talk on "Oncofertility: Fertility preservation for young people with cancer – who is at risk and what can be offered." The program and award winners are shown from page 53. Sadly, as many of you know I could not be present as I attended the funeral of my close friend, and our distinguished 2014 Henderson Lecturer, Professor Aidan Halligan from London, England. We will remember him fondly for his inspirational talk on Leadership, which can be viewed from our website at (<http://www.obgyn.utoronto.ca/news/memory-professor-aidan-halligan>).

In June, building on the success of our newly-designed formal Resident Graduation event at the University of Toronto's Faculty Club, we moved this June 2015 event to Hart House, and continued the popular music of Gustav Scolieri (which you can view at: www.puentedeldiablo.com). Many thanks to Dr. Elaine Herer, from Sunnybrook Health Sciences Centre, for her address to the graduates, accompanied by their families and close friends. With perfect evening weather, we then moved out to the quadrangle after the ceremony to enjoy good food and company. UofT OBGYN now has over 120 postgraduate trainees, making it the largest hub for advanced OBGYN training in the world. Please come back next year to this great event, as it has become a new Department tradition!

Next, I would like to express what many of you have told me in person, which is that we have nurtured a great Administration Team at 123 Edward St, your academic home. Our Senior Business Officer, Ms. Tina Xue, has masterminded significant improvements in many areas of our responsibilities. In the early part of the year, we launched our new website, and have continued since towards our goal of having the most practical, user-friendly site we can, that, in tandem, is reflective of the vibrant energy of each of the various domains that come together as "OBGYN." I would like to thank our two interns, Ms. Khrystyna Levytska, and Ms. Shayna Henry, for their substantial and excellent contributions to projects, including website launch, pilots in competency-based medical education, and in supporting our Global Health program in Eldoret, Western Kenya. Khrystyna has started Medical School at Wayne State University in Detroit, while Shayna has started Medical School at the University of Cork in Ireland. Continuing this new tradition of providing transitional careers to younger people, the Department welcomes Mr. Andrew Greig and Ms. Alissa Moody to our intern positions as of July 1st, 2015.

Following the launch of our Strategic Plan with Ms. Cate Creede and Mr. Danny Nashman of The Potential Group, the Department has established leads for each of our five priority areas, directing resources to their short and medium-term goals. The Faculty of Medicine made a change in 2014 to align Faculty Development Day each year to Remembrance Day, November 11th. Our Department took this opportunity to create an annual morning Strategic Plan update meeting with the Priority Area leaders, their committees, the Department Executive and the Potential Group. We met for the first update on November 11th, 2014 and intend to publish a mid-cycle Strategic Plan Update following the next meeting on November 11th, 2015.

Many of you know that my main focus is that we move towards a collective feeling of a unified Department in Toronto, one that both celebrates its prowess as a world-class hub for postgraduate education, and is a champion for clinically-meaningful research that delivers measurable positive outcomes for women. I believe we are now on that path, with no better example in the past 12 months than our GTA-OB network, whose activities are now displayed on our website with a unique logo. The rising importance and impact of GTA-OB would not be possible without the very wide support of our Community Hospital leaders, in partnership with our fully-affiliated Hospitals, coordinated by Dr. Jon Barrett and his Executive based at Sunnybrook Health Sciences Centre. The network has developed its first clinical practice guideline, has started dashboard indicators by hospital for key Obstetrical outcomes, and is now working on a Delphi Conference on Invasive Placentation. As Chair, I am committed to working with several Gynaecology groups within the Department, who, due to their size, accomplishments, and resources, are ideally placed now to take on this concept of coming together as powerful regional networks in our city of over 5 million people.

The Department continues its efforts to support mid-career physicians in their career development. Amongst these, we congratulate Drs. Filomena Meffe, Sarah Ferguson and Cynthia Maxwell for completing the New and Emerging Academic Leaders (NEAL) program in May, 2015. Dr. Rebecca Arthur completed her MSc in QIPS at our Institute for Health Policy Management and Evaluation (IHPME) and Dr. Elyse Lackie returned to North York General Hospital after a 12-month sabbatical in New York, where she successfully completed her MPH at Columbia University. Additionally, we would like to recognize two of our residents, Aparna Saranganpani and Carmen McCaffrey, who entered the Stepping Stones Program at the Centre for Faculty Development for 2015.

Our Department is noted for its impact in Global Women's Health, as evidenced by our partnership with the Department of Reproductive Health at Moi University in Eldoret, directed onsite by Dr. Astrid Deb-Christoffersen, with support from our Vice Chair in Global Women's Health and Advocacy, Dr. Rachel Spitzer at Mount Sinai Hospital. This year is noted for a substantial renewed philanthropic gift of \$500,000 from the Purpleville Foundation. We thank Mr. Tim Evans from this Foundation for their continued support of our Department's efforts in Kenya. Congratulations in particular to our Division of Gynaecologic Oncology, for their achievements in creating the first successful sub-Saharan fellowship in Gynaecologic Oncology, with graduates in 2014. A comprehensive program description and update from this year can be found on page 39.

I would also like to congratulate the following individuals who received their faculty appointment in the 2014-2015 academic year:

Clinical:

Rohan D'Souza – Mount Sinai Hospital
 Claire Jones – Mount Sinai Hospital
 M. Jonathon Solnik – Mount Sinai Hospital
 Alice Pham – St. Joseph's Health Centre
 Michael Geary – St. Michael's Hospital
 Anne Berndt – Sunnybrook Health Sciences Centre
 Nir Melamed – Sunnybrook Health Sciences Centre
 Dora Chan – Toronto East General Hospital
 Siobhan Mark – Trillium Health Partners, Credit Valley Hospital
 Anne Walsh – Southlake Regional Health Centre
 Carol Peng – The Scarborough Hospital
 Shiraz Suleman – William Osler Health System, Brampton Civic Hospital

Cross Appointments:

Brian Cox – Department of Physiology
 Kevin Kain – Department of Medicine
 Mike Seed – Departments of Paediatrics and Medical Imaging

During the year, the following members have left our department and deserve our thanks for their efforts. Dr. Barry Rosen, Head of Gynaecologic Oncology at University Health Network and Head of our Gynecology Oncology Division, left to lead a program in Gynaecologic Oncology at the Beaumont Hospital Group, in Detroit, Michigan. Barry had a distinguished career here at the University of Toronto, mentoring many younger surgeon investigators to successful careers not only across Canada, but also further afield due to the international nature of the Fellowship program. He continues to be involved in the program in Kenya. Dr. Guylaine Lefèbvre, Chief of Obstetrics & Gynaecology at St. Michael's Hospital for the period 2002-2014 and Vice-Chair of our department, left to join the Canadian Medical Protective Association to develop a national program in patient safety. She will be based in Ottawa. Dr. Samar Nahas, a talented junior faculty member in Gynaecologic Oncology based at Trillium Health partners for the past 3 years, has left to pursue new career opportunities in the United States. I would also like to congratulate Dr. S. Lee Adamson on her emeritus status, which she received during the 2014-2015 academic year.

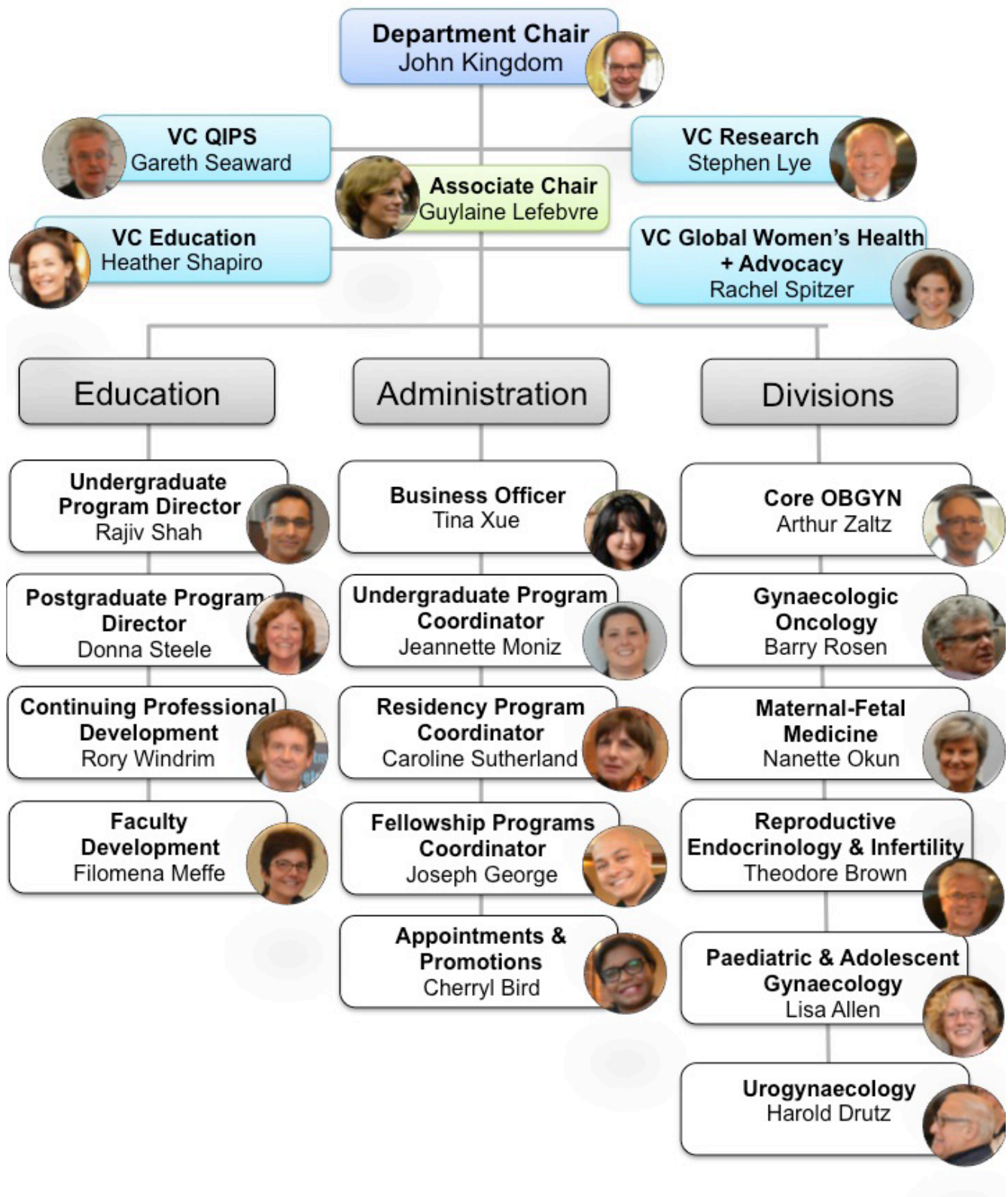
I hope you will take time to peruse sections of this annual report. Readers from many other OBGYN departments, across many countries, will marvel at the richness of our resources, the complexity and volume of our patient care, the staggering number and types of advanced postgraduate trainees that we incubate to become specialists of influence worldwide, our commitments in Patient Safety and Global Women's Health and the diversity of meaningful research that we publish. All of these efforts are now captured on our website, which I urge you to bookmark. By coming together in greater degrees, between our Hospital sites, across more segments of the Department, we can deliver the full potential of our collective talent and energy.

Best wishes,



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

UNIVERSITY OF TORONTO OBSTETRICS & GYNAECOLOGY



FACULTY 2014-2015

PRIMARY APPOINTMENTS

Professors Emeriti

S. Lee Adamson
Rudi Borth
AD (Denny) De Petrillo
Terence Doran
Douglas J Gare
Mary E Hannah

Walter J Hannah
Gordon M Lickrish
Ron A Livingstone
JE (Ted) Morgan
Jerry Shime



Professors

Jon Barrett
Paul Bernstein
Jennifer Blake
Alan D Bocking
Theodore J Brown
Isabella Caniggia
Robert F Casper
Allan L Covens

Harold Drutz
Dan Farine
Michael Geary*
John Kingdom - Chair
Guylaine Lefèbvre
Stephen Lye
K Joan Murphy
Andras Nagy

JW Knox Ritchie
Barry Rosen
Greg Ryan
P Gareth R Seaward
Mathew Sermer
R Michael Shier
Rory Windrim
Wendy Wolfman

Associate Professors Emeriti

Titus Owolabi

Associate Professors

May Alarab
Lisa Allen
Howard Berger
Marcus Bernardini**
Janet Bodley
Adrian Brown
Sarah Ferguson
Alan Gerulath
James Goodwin
Ellen Greenblatt
Elaine Herer

Andrea Jurisicova
Sari Kives
Rose Kung
Clifford L Librach
Kay Lie
Danny Lovatsis
Cynthia Maxwell
Filomena Meffe
Nir Melamed*
Kellie E Murphy
Nanette Okun

Richard Pittini
Ian Rogers**
Heather Shapiro
Rachel Spitzer**
M. Jonathon Solnik*
Michael Sved
Artin Ternamian
Suzanne Wong**
Mark Yudin
Arthur Zaltz



Assistant Professors

Hani Akoury
Marshall Barkin
Yaakov Bentov
Anne Berndl*
Nicolette Caccia
Kenneth Cadesky
Astrid Christoffersen-Deb
Dennis K. Chu

E Anne Claessens
Howard Cohen
Barbara Cruickshank
Marie Czikk
Rohan D'Souza*
Christine Derzko
Marjorie Dixon
Jason Dodge

Xuesen Dong
Nancy Durand
William A Easton
Frederic A Engle
Michele Farrugia
Tomer Feigenberg
Tatiana Freire-Lizama
Lilian Gien

Assistant Professors (continued)

Karen Glass
 Mathias Gysler
 Peter Hawrylyshyn
 Man Fan Ho
 Stephen Im
 Clarie Jones*
 Johannes Keunen
 Murray Kroach
 Jamie Kroft
 Rachel Kupets
 Elyse Lackie
 Noor Ladhani
 Stephane Laframboise
 Andrea Lausman
 Patricia Lee
 Elyse Levinsky
 Grace Liu
 Kimberly Liu

Ann Kinga Malinowski
 Adelmo Martoglio
 Taymaa May
 Colleen McDermott
 Eva Mocarski
 Matthew Morton**
 Sergey Moskovtsev
 Ally Murji
 Dan Nayot**
 Ori Nevo
 Melanie Ornstein
 L Ray Osborne
 Wusun Paek
 Nicholas Pairaudeau
 Alice Pham*
 Deborah Robertson
 David Rosenthal
 Amanda Selk

Rajiv Shah
 Jodi Shapiro
 Prati Sharma
 Oksana Shynlova
 Sony Sierra
 Mara Sobel*
 Dana Soroka
 Donna Steele
 Wilf Steinberg
 Karen Tessler
 Bruce W Thomas
 Jackie Thomas
 Modupe Tunde-Byass
 Danielle Vicus
 Fay Weisberg
 Wendy Whittle
 Herb Wong
 Brenda T Woods



Lecturers

Anjali Aggarwal
 Rebecca Arthur
 Clarissa Bambao
 Ari Baratz
 Dalip Kumar Bhangu
 Veena Bonde
 Yoav Brill
 Melanie Caetano
 David Caloia
 Dora Chan*
 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
 Alice Han*
 Helen Ho
 Dini Hui
 Sybil Judah
 Allan Kanee
 Angela Kang
 Yolanda Kirkham
 Danny Kreichman
 Sabrina Lee
 Sylvie Leone-Tomaschoff
 Patrick M Liao
 Terry Logaridis
 Roberta Mackenzie
 Tara MacLeod
 Erica Mantay
 Siobhan Mark*
 Mary Melchior
 Matthew Morton
 Kerry Myckan
 Alexandra Nevin Lam
 Kendra Newell
 Andrea Page*
 Esther Park

Carol Peng*
 Perry Phillips
 Elin Raymond
 Kimberly Rogers
 Nathan Roth
 Edward Ryan
 Abheha Satkunaratnam
 Peter W. Scheufler
 Nicholas Shilletto
 Eliane Shore*
 Paul Shuen
 John Robert Smith
 Kirsten Smith
 Richard Stein
 Linda Stirk
 Shiraz Suleman*
 Melissa Tai
 Scott Tigert
 Carol Wade
 Anne Walsh*
 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
Alice Han
Jevan Ko

Adjunct Assistant Professors

Samuel Charles (Peter) Bryson

Asha Kurup
Joanne Ma
Haidar Mahmoud
Jan Scheeres
Michael Silver
Gita Singh
Vincent Wu



CROSS APPOINTMENTS

Professors Emeriti

John Challis

Physiology

Professors

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

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



Associate Professors

Ida Ackerman	Radiation Oncology
Elizabeth Asztalos	Paediatrics
Mrinalini Balki	Anesthesia
Michael Dunn	Paediatrics
Denice Feig	Medicine
Katherine Fong	Medical Imaging
Phyllis Glanc	Medical Imaging
Evelyn Lambe	Physiology
Stephen Holzapfel	Family & Community Medicine
Sarah Keating	Laboratory Medicine & Pathobiology
Carl Laskin	Medicine
Jose Sarrazin	Medical Imaging
Andrew T. Shennan	Paediatrics
Candice Silversides	Medicine
John Sled	Medical Biophysics
Rachel Wald**	Paediatrics
Shui Eugene Yu	Medical Imaging



Assistant Professors

Tony Barozzino	Paediatrics
Karen Chong	Paediatrics
Brian Cox*	Physiology
Mike Seed*	Paediatrics
Michael Sgro	Paediatrics
Martin Skidmore	Paediatrics
Sandra Viero	Laboratory Medicine & Pathobiology

Lecturers

Fern Small	Psychiatry
Nina Venkatraman	Family & Community Medicine



* New Appointment
 ** New Promotion

ADMINISTRATIVE STAFF

Business Officer

Tina Xue



Department Assistant

Cherryl Bird

Undergraduate Program Coordinator

Jeannette Moniz

Residency Program Coordinator

Caroline Sutherland

Fellowship Programs Coordinator

Joseph George



RESIDENTS

POSTGRADUATE YEAR 1

Tamara Abraham
Maria Cusimano
Darl Edwards
Brittany Hoover

Karen Levy
Katherine McLean
Tumushabe Mutungi
Neetika Sidana

Evan Tannenbaum
Marina Vainder
Melissa Walker

POSTGRADUATE YEAR 2

Sophie Bussiere-Cote
Laura Cancelliere
Kristin Harris
Lesley Hawkins
John Ibrahim

Lauren Jain
Marian Leung
Sonali Lokuge
Amanda Michael
Andra Nica

Cherie Lynne Nicholson
Lauren Philp
Leslie Proctor



POSTGRADUATE YEAR 3

Nasser Abu Awad
Marie Coroneos
Lara Gotha
Lacey Harding
Ingrid Lai

Mathew Leonardi
Carmen McCaffrey
Chaula Mehta
Julie Nguyen
Kirsten Niles

Aparna Sarangapani
Lynn Sterling
Marta Wais
Jellena Wongw

POSTGRADUATE YEAR 4

Emily Baker
Jessica Green
David Gurau
Umme Habiba
Adrienne Li

Rebecca Menzies
Rebecca Rich*
Michael Sector
Alison Shea
Andrea Simpson

John Snelgrove
Liane Tan
Julie Thorne

POSTGRADUATE YEAR 5

Kimberly Bremer
Amanda Cipolla
Paulina Cybulska*
Courtney Jolliffe

Genevieve Lennox
Brian Liu
Karli Mayo
Heather Millar

Stephen Morris
Muhseen Yusuf



*Clinician Investigator Program

CLINICAL FELLOWS

PROGRAM AND DIRECTOR

Advanced Obstetrics

Wendy Whittle, MSH

Dini Hui, SHSC

Advanced High-Risk Obstetrics

Howard Berger, SMH

Gynaecologic Endoscopy

Artin Ternamian, SJHC

Gynaecologic Oncology (RCPSC)*

Allan Covens, SHSC

Barry Rosen, PMH

Gynaecologic Reproductive Endocrinology and Infertility (RCPSC)*

Barbara Cruickshank, MSH

Kimberly Liu, MSH (effective July 1st, 2015)

Maternal-Fetal Medicine (RCPSC)*

Cynthia Maxwell, MSH

Mature Women's Health and Menopause

Wendy Wolfman, MSH

FELLOW

Shada Al-Hawash

Sunita Garg

Stefania Ronzoni

Raina Okby

Nirmala Chandrasekaran

Gali Pariente

Yaniv Zipori

Priya Sharma

Genevieve Bouchard Fortier

Harry Brar

Liat Hogen

Ruaidhri Mcvey

Kate Pulman

Anita Chitaley

Crystal Chan

Jason Elliott

Shannon Moore

Nichole Patterson

Nimrah Abbasi

Nada Alayed

Hanan Al-Sehli

Hythem Alsum

Rasheeda Al Tourshi

Julia Kfour

Lawrence Koby

Elad Mei-Dan

Anne Morency

Christopher Nash

Mark Osmond

Yair Sagi

Karen Wou

Michelle Jacobson

Kelsey Mills

CLINICAL FELLOWS

PROGRAM AND DIRECTOR

FELLOW

Minimally Invasive Gynaecological Surgery

Guylaine Lefebvre, SMH

Deborah Robertson, SMH (effective July 1st, 2015)

Helena Frecker
Lindsay Sherriff
Aisha Yousuf

Minimally Invasive Gynaecological Surgery (AAGL**)

Herb Wong, SHSC

Leslie Po

Paediatric and Adolescent Gynaecology

Sari Kives, SK

Ian Comeau

Perinatal

Cynthia Maxwell, MSH

Robin Thurman

Reproductive Sciences

Robert Casper, TCART

Anat Herscu-Klement

Reproductive Sciences and Infertility

Clifford Librach, CReATe Fertility Centre

Itai Gat
Tal Lazer
Ekaterina Shlush

Urogynaecologic and Reproductive Pelvic Surgery

Danny Lovatsis, MSH

Ashraf Dawood
Susan Jia
Yvonne Leong
Andrea Santiago
Salomon Zebede-Dejmal

Urogynaecology

Patricia Lee, SHSC

Petrus Kruger

* Royal College of Physicians and Surgeons of Canada accredited

**American Association of Gynaecologic Laparoscopists

COMMITTEES

Executive Committee

John Kingdom	Chair, Executive and Fiscal Advisory Committees
Lisa Allen	Head, Division of Paediatric and Adolescent Gynaecology Site Chief, Women's College Hospital
Adrian Brown	Community Affiliate Hospital Representative Chief, North York General Hospital
Ted Brown	Head, Division of Reproductive Endocrinology & Infertility Chair, Research Committee
Dan Farine	Chair, Promotions & Awards Committee
Michael Geary	Chief, St. Michael's Hospital
Guyline Lefèbvre (term ended June, 2015)	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 (term ended June, 2015)	Head, Division of Gynaecologic Oncology
Rajiv Shah	Chair, Undergraduate Medical Education Committee
Gareth Seaward	Director of Quality Improvement and Patient Safety (QIPS)
Mathew Sermer	Chief, Mount Sinai Hospital/ University Health Network/ Women's College Hospital
Heather Shapiro	Vice-Chair, Education
Rachel Spitzer	Vice-Chair, Global Women's Health
Donna Steele	Chair, Residency Program Committee
Rory Windrim	Director, Continuing Professional Development & Knowledge Translation
Mark Yudin	Chair, Clinical Research Committee
Arthur Zaltz	Chief, Sunnybrook Health Sciences Centre Chair, Department Appointments Committee

COMMITTEES

Clinical Research Committee

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

Combined Continuing Professional Development/ Faculty Development (CPD/FD) Committee

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

Department Appointments Committee (DAC)

Arthur Zaltz, *Chair*
Lisa Allen
Adrian Brown
Ted Brown

Harold Drutz
Dan Farine
Michael Geary
Nan Okun

Mathew Sermer
Heather Shapiro
Mark Yudin

Fellowship Directors Committee

Heather Shapiro, *Chair*
Ally Murji
Howard Berger
Robert Casper
Allan Covens
Barbara Cruickshank*
Harold Drutz
Dini Hui

Sari Kives
Patricia Lee
Guylaine Lefèbvre*
Clifford Librach
Kimberly Liu
Danny Lovatsis
Cynthia Maxwell
Deborah Robertson

Barry Rosen*
Artin Ternamian
Wendy Whittle
Wendy Wolfman
Herb Wong
Karen Wou

Fiscal Advisory Committee

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

Competency Based Medical Education (CBME) Committee

Heather Shapiro, *Chair*
Janet Bodley
Nicolette Caccia

Michele Farrugia
Lauren Jain (PGY2)
Matthew Leonardi (PGY3)

Donna Steele
Evan Tannenbaum (PGY1)

*term ended June, 2015

COMMITTEES

Promotions & Awards Committee

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

Sarah Ferguson
Guylaine Lefèbvre*
Filomena Meffe
Richard Pittini

Gareth Seaward*
Mathew Sermer
Rory Windrim
Arthur Zaltz

Quality Improvement and Patient Safety (QIPS) Committee

Gareth Seaward, *Chair*
Hani Akoury
Lisa Allen
Jon Barrett
Adrian Brown

Stacy Costa
Jennifer Cram
Aderemi Ejiwunmi
Guylaine Lefèbvre*
Michael Geary

Elaine Herer
Julie Nguyen (PGY3)
Leslie Po
Nathan Roth

Research Committee

Ted Brown, *Chair*
May Alarab
Isabella Caniggia
Robert Casper
Crystal Chan
Kristin Connor
Allan Covens

Rohan D'Souza
Sarah Ferguson
Sari Kives
Noor Ladhani
Clifford Librach
Stephen Lye, *Vice-Chair*
Stephen Matthews

Kellie Murphy
Alison Shea (PGY4)
John Snelgrove (PGY4)
Donna Steele (Ex-Officio)
Mark Yudin

Residency Program Committee

Donna Steele, *Chair*
Clarissa Bambao
Janet Bodley
Aleksandre Corbey
Michele Farrugia
Lilian Gien

Dini Hui
Sari Kives
Abheha Satkunaratnam
Heather Shapiro
Dana Soroka
Mark Yudin

Lynne Zolis
Darl Edwards (PGY1)
Sophie Bussiere-Cote (PGY2)
Lacey Harding (PGY3)
Michael Sector (PGY4)
Amanda Cipolla (PGY5)

Undergraduate Education Committee

Rajiv Shah, *Chair*
Ari Baratz
Dalip Bhangu
Christine Edwards (CC3)
Tatiana Freire-Lizama
Arpita Gantayet (CC3)
Dini Hui
Sybil Judah

Sabrina Lee
Mathew Leonardi (PGY3)
Haidar Mahmoud
Roberta MacKenzie
Filomena Meffe
Elizabeth Miazga (CC4)
Matthew Morton*
Richard Pittini

Rebecca Rich (PGY4)
Heather Shapiro
Mara Sobel
Dana Soroka
Lynn Sterling (PGY3)
Brenna Swift (CC4)
Scott Tigert

HOSPITAL STATISTICS

July 1, 2014 to June 30, 2015

	SMH	MSH/ UHN	SHSC	TEGH	SK	NYGH	SJHC	THP	WCH
Total Deliveries	2,686	6,745	4,053	2,954	NA	5,656	3,316	8,586	0
Caesarean- Section Rate	26.47%	33%	35%	27.31%	NA	29%	31.9%	25.9%	NA
Total Gynaecology Procedures (major and minor)	1,426	3,517	6,811	1,740	128	3,260	1,379	7,606	1,372
Clinic Visits (excluding private office visits)	53,999	76,657	16,138	11,972	2,276	23,893 ³	10,653 ³	3,285	6,186
Number of Obstetrics Beds	22 ¹	68	26	32	NA	53	42	87 ⁴	0
Number of Gynaecology Beds	9	20	2	59 ²	0	39 ²	64 ²	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

SK – SickKids

NYGH – North York General Hospital

SJHC – St. Joseph's Health Centre

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

WCH – Women's College Hospital

NA – Not Available/Applicable

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

2 - Shared with other surgical specialties

3 - Includes breastfeeding clinic, colposcopy clinic, C-section prep clinic, non-stress test clinic, non-stress test assessment clinic, private hospital tour, Rhogam injection clinic, Family Birth Centre assessment clinic, FBC Foley Induction clinic, FBC obstetrical consults clinic, FBC prenatal clinic, FBC social work clinic

4 - Includes 27 birthing suites



DIVISION REPORTS



CORE OBSTETRICS & GYNAECOLOGY

Arthur Zaltz, Division Head

Honours:

Master Teacher Award:
Adelmo Martoglio

Excellence in Integrated
Undergraduate Teaching:
Sabrina Lee

Excellence in Integrated
Postgraduate Teaching:
Modupe Tunde-Byass

Outstanding Research
Potential:
Ally Murji

Excellence in Postgradu-
ate Program Develop-
ment and Innovation:
Nicolette Caccia

Excellence in Continu-
ing Medical Education
Course Coordination:
Michele Farrugia

Sunnybrook Dixon
Surgical Teaching Award:
Grace Liu

Dr. Dorothy Borsook
Award:
Jamie Kroft

2014 APOG Carl
Nimrod Award:
Modupe Tunde-Byass

The Division of Core Obstetrics and Gynaecology is the largest division within the Department of Obstetrics and Gynaecology at the University of Toronto. Formally known as the "Generalists," this group of physicians forms the infrastructure of the department.

We are committed to providing excellent comprehensive care to our patients through a holistic lens, using an evidence based approach. Our mandate is to impart the knowledge, judgement, attitudes and clinical skills necessary for our graduates to enter practice or pursue further subspecialty training.

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

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

We have also differentiated ourselves with certification and training in Medical Education, Ethics, Public Health, Quality Improvement and Patient Safety and Clinical Epidemiology.

Within the Division, there is excellence in 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 Gynaecology in the province, outside of academic centres, is managed by core specialists. Within the university, it is the core division that takes on the responsibility for most of the teaching at all levels, from pre-clerkship to clerkship, postgraduate and continuing medical education.

Goals of the Core Obstetrics and Gynaecology Division:

- » To ensure that we provide comprehensive training for both community practice and within academic centres for excellence within core Ob/Gyn
- » To encourage and support academic research within the division
- » To engage our partners across the GTA, 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

Joan Murphy, Interim Division Head



In the 2014-2015 academic year, the UofT Division of Gyn Oncology continued to provide secondary and tertiary clinical services, and pursue its teaching and research activities among multiple centres including UHN, Sunnybrook and Peel Regional Cancer Centre/Credit Valley Hospital. Five surgical faculty members are located at Sunnybrook Health Sciences Centre, six at University Health Network (Dr. Dodge on secondment at RVH in Barrie) and two at Peel Regional Cancer Centre/Trillium Health Partners. Many cross appointees whose primary appointments are in an affiliated discipline and with whom there are close collaborations such as Medical Oncology, Pathology, Radiation Oncology, Basic Sciences, etc., are distributed among those sites and are integral to the Division. A robust multi-disciplinary integrated model of care and of academic inquiry is made possible by those collaborative relationships.

The fellowship program, the only 3-year program in Canada, which mandates an academic year of training as well as 2 clinical years, continues to attract excellent Canadian and international applicants with a long tradition of successful careers. Dr. Ruaidhri McVey completed his training this year and will return to Belfast to complete his qualifications for Ireland. His academic focus has been scholarship in education. The fellowship program underwent a very successful Internal Review with many strengths and no significant deficiencies identified.

Mount Sinai Hospital is fully integrated with UHN/PMCC for the delivery of gyn oncology services and the pre-invasive program was re-located to the Women's College Hospital in September, 2014. At Sunnybrook and Trillium all services are provided at their respective sites. It is expected that Mount Sinai and Trillium will each be allocated one additional Gyn Onc position in the new APP contract, which is imminent.

Highlights of this year include the promotion of Dr. Marcus Bernardini to Associate Professor. He has also had tremendous success in leading the Prevent Ovarian Cancer Program, which was launched on May 8, World Ovarian Cancer Day. He was elected to a governance role in the newly re-structured provincial APP. Dr. Sarah Ferguson continues to develop infrastructure and to provide strong leadership in the UHN/PMCC Gyn Onc Research Program. This program is strongly supported by the PMHF. She also continues to achieve great success in her own research activities, including survivorship, innovative treatment & technologies and cancer genetics. Dr. Taymaa May is now Director of the UHN Biorepository and continues her research interest primarily in molecular determinants of ovarian cancer. Dr. Stephane Laframboise continues as site lead for the Fellowship program and also continues to provide strong leadership as PMCC Gyn Site Group Chief, including the re-design of ambulatory care. Dr. Joan Murphy led the re-location of the Pre-invasive program to Women's College Hospital, including the transition of our e-cancer colposcopy database and took on the role of interim Chief and Regional Lead for Gyn Oncology at Trillium Health Partners and Peel Regional Cancer Centre. She continues to lead the development of cervical cancer screening and colposcopy at Cancer Care Ontario.

At Sunnybrook, Dr. Covens continues to lead our highly rated Fellowship Program and in clinical trials leadership roles with GOG. He also became one of the three members elected to a governance role in the provincial APP. Dr. Rachel Kupets continues as Scientific Lead for the Ontario Cervical Screening Program, a role which complements her research interests and to which her skill sets are very valuable. Dr. Lillian Gien continues in her GOG role and also as PI for a phase 2 sub-protocol study, which is part of a \$30 Million NCI study. She received the Chair's Award for Outstanding Research Potential, Best Poster Award at The Society of Gyn Oncology of Canada annual meeting and supervised the project that received the Best Resident Research Award at the Department's Annual Research Day. Dr. Danielle Vicus, who joined the Sunnybrook group as a full time member in 2012, has re-developed and leads the very successful Fellowship didactic curriculum, has secured a \$150,000 grant to study AIN and received the Dorothy Borsook Award for "promising work in Ob/Gyn." Dr. Osborne received the Bi-Annual gold medal from the International Society for the Study of Trophoblastic Disease

for “outstanding contribution to the study of trophoblastic tumors” and the Best Plenary abstract in March at the Society of Gyn Oncology meeting in Tampa, Florida.

Dr. Feigenberg continues his molecular research in ovarian cancer, in collaboration with Dr. Ted Brown at Lunenfeld Research Institute. Dr. Nahas has indicated her intention to leave THP for an opportunity in the US. Her advanced surgical skills and surgical teaching will be missed.

Dr. Rosen, University Division Head and UHN Chief, after many years of local, national and international leadership, departed UofT in May, 2015 for a leadership opportunity at the Beaumont Hospital Group, Detroit, Michigan. He will be missed at many levels though he leaves a strong legacy of clinical, research, education and global health leadership, for which we are grateful and of which he can be proud.

In the coming year, search committees will be struck to fill Dr. Rosen’s roles as UHN and University Division Chief. Dr. Covens will step down as Director of the Fellowship program and his successor will be sought. New staff will be recruited to fill three faculty positions at UHN. The Trillium Health Partners program will be stabilized with the recruitment of two new faculty members and the strengthening of clinical, academic and educational objectives. Clinical pressures at all sites include meeting CCO wait times for clinical care and for volumes of funded cases, which must be balanced with achieving and maintaining teaching excellence for fellows, post-graduates, and undergraduates across sites and continuing the strong research productivity of the Division. Recruitments will be tailored to address these priorities.

DIVISION OF MATERNAL-FETAL MEDICINE

Nanette Okun, Division Head



Honours:

Chair's Award for
Excellence in Post-
graduate Teaching:
Wendy Whittle

Chair's Award for Ex-
cellence in Continu-
ing Medical Educa-
tion Teaching:
Johannes Keunen

Chair's Award for
Excellence in Under-
graduate Teaching:
*Tatiana Freire-Liza-
ma*

Introduction:

Our division encompasses three fully-affiliated hospitals, with members from 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:

We continue to work within the departmental strategic plan of "connecting and collaborating" as academic centres, and partnering and networking with affiliated community sites. The GTA-OBS network, under the direction of Dr. Jon Barrett, has several GTA-wide research projects launched and more planned. In addition, the network has begun work on standardizing approaches to some of the most serious problems in obstetrics, such as shoulder dystocia, placenta accreta and the shortened cervix.

The MFM division continues to be highly productive in research across all hospital sites, as can be seen in the publications section of the report. Both faculty and fellows continue in their outstanding achievements with presentations at national and international meetings for obstetrical ultrasound, prenatal diagnosis, fetal and maternal medicine. Many of our presentations have received awards at these meetings.

The MFM fellowship continues to flourish, remaining highly sought after by excellent candidates from within Ontario, the rest of Canada and abroad. The program has broadened to include rotations at all three fully-affiliated hospital sites. In addition Sunnybrook Health Sciences Centre and St. Michael's Hospital continue with successful and competitive one-year fellowships at their sites.

The fetal therapy program continues to thrive and recently performed its 500th procedure for laser ablation for twin-twin transfusion syndrome in monochorionic twins. We have created two new "hybrid" job descriptions to recruit MFM clinician investigators to primary clinical appointments at North York General Hospital and Trillium Health partners, but with joint appointments in the MFM divisions of Sunnybrook Health Sciences Centre and Mount Sinai Hospital, respectively. This will grow our academic division into a comprehensive network across the GTA region.

Future Initiatives:

The new CIHR clinician investigator award scheme for clinician-investigators in Maternal Fetal Medicine and Obstetrics offers exciting opportunities for faculty members in the upcoming year.

We will have two to three MFM positions filled at Trillium Health Partners and North York General Hospital and will continue to create academic MFM faculty positions as partnerships between fully-affiliated and community-affiliated hospitals across UofT, building on the successful models created with North York General Hospital and Trillium Health Partners.



DIVISION OF PAEDIATRIC AND ADOLESCENT GYNAECOLOGY

Lisa Allen, Division Head

Introduction:

The Division of Paediatric and Adolescent Gynaecology (PAG) includes Division Head Lisa Allen, and staff members Anjali Aggarwal, Nicolette Caccia, Sari Kives, Ali Nevin, and Rachel Spitzer.

The Vision of the Division after strategic planning was to continue our leadership in advancing the gynaecologic care and treatment of 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.

Our Division maintains a diverse practice in common conditions and rare challenges, providing over 2500 ambulatory visits annually, and attracting 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, participates in a transitional program for young women. Young women at the age of 17 are transitioned to the new Young Women's Gynaecology Program for the reproductive health care of women aged 17 to 25 at Women's College Hospital, under the direction of Dr. Yolanda Kirkham.

Highlights:

Regarding our strategic goal of advocacy, our division has first looked internally with initiatives to provide enhanced access to care within our institution in PAG to specialized populations. To enhance access to contraception for young women with medical co-morbidities, the division has increased our complex contraception program, by adding a clinic within hematology, bringing our team right to the patient. Young women with cloacal anomalies often have reproductive health concerns that become more pressing at puberty. Gynaecology is partnering with pediatric urology and pediatric surgery to launch a combined program, providing collaborative care to this patient population.

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

This year, the division of PAG was one of the pilot areas for the initiative on Competency Based Education in Obstetrics and Gynaecology, under the direction of Dr. Nicolette Caccia.

Continuing medical education is a strength of our division. Four years ago, PAG introduced the Carol Cowell Lectureship in Paediatric Gynaecology at the University of Toronto. This year, the division invited Dr. Lies Quint, Professor of Obstetrics and Gynaecology, University of Michigan, to speak on the management of young women with developmental disabilities.

We continue to lead in PAG with the provincial, national and international presence of our members: Dr. Allen is the President of the North American Society of Pediatric and Adolescent Gynaecology, Dr. Kives is a member of the Abstract Committee and Assistant Chair of the Annual Clinic and Research Meeting Planning Committee for the organization. Dr. Allen continues as Co-Chair of CANPAGO and Dr. Spitzer is the Ontario representative. Dr. Aggarwal is a member of the Social and Sexual Issues Committee. Dr. Kives is Co-Chair of the International Women's Health Committee of the SOGC, and Dr. Aggarwal is a member. Dr. Allen continues as a member of the subspecialty committee of APOG. Dr. Allen is also a liaison to the American College of Obstetricians and Gynaecologist's Adolescent Health Committee.

Future Initiatives:

The Young Mothers Program plans to introduce a passport program to the multidisciplinary antenatal care already being provided, with the intent of increasing adherence to visits and therapy as well as group care for the adolescent pregnant population.

Dr. Sari Kives is the Program Chair for the upcoming North American Society of Pediatric and Adolescent Gynaecology Annual Clinical and Research Meeting, which will be held in Toronto in April of 2016. Hosting this meeting in Toronto will bring international expertise in PAG to the local and national community.



DIVISION OF REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY

Theodore J. Brown, Division Head

Honours:

Dr. Heather Shapiro was elected President of the Canadian Fertility and Andrology Society (CFAS), which is the national platform for professionals working in all aspects of advanced reproductive technology and reproductive science research. Previous Division members who held this position include Drs. Robert Casper, Ellen Greenblatt, and Carl Laskin. Dr. Shapiro will assume her post for the 2015-2016 academic year.

Introduction:

The 26-member REI Division is comprised of a diverse array of subspecialty-trained clinicians, clinician-scientists, and translational/basic scientists whose education and/or research activities focus on female reproductive endocrinology or fertility. We are one of the largest REI Divisions in North America and our members operate four independent fertility clinics offering a full range of diagnostic services, with three having on-site state-of-the-art embryology and andrology laboratories. A Mature Women's Health & Menopause Clinic and a unique multidisciplinary primary ovarian insufficiency clinic are run at Mount Sinai Hospital by Dr. Wendy Wolfman. In addition to providing focused care, these clinics provide training in REI for Medical Students, Residents, and Fellows. The Division offers RCPSC-accredited GREI fellowship training at the Centre for Fertility and Reproductive Health (at Mount Sinai Hospital) and non-accredited REI Fellowship Programs at CReATe and TCART (which is now part of Trio). We also offer a two-year non-accredited fellowship in mature women's health.

Highlights:

The Division welcomed two new members: Dr. Dan Nayot who is based at TCART and completed his subspecialty training at McGill University and his MSc degree in Clinical Epidemiology at Harvard University; and Dr. Claire Jones who is based at the CFRH at Mount Sinai Services and completed her subspecialty training with us. Dr. Barb Cruickshank stepped down as director of the RCPSC-accredited GREI fellowship, after having provided exemplary leadership in the role for six years. Dr. Kim Liu assumes this position as of July, 2015. Dr. Rebecca Arthur completed the certificate course in Quality Improvement and Patient Safety (QIPS) offered by the Department of Medicine. She is now enrolled in the QIPS MSc program offered by the Institute of Health Policy, Management and Evaluation at the University of Toronto, which will position her to offer leadership in REI in this important area.

The province announced that beginning in December of 2015, public funding of IVF will be expanded beyond the present restriction to women with blocked fallopian tubes. The funding will include one IVF cycle per eligible patient. Dr. Ellen Greenblatt has and continues to play a major role in helping to shape provincial policy in this area. She chaired the Ministry of Health and Long Term Care (MOHLTC) Advisory Process for Infertility Services committee, which tabled an extensive key recommendations report in June. This expert panel also included Division members, Drs. Carl Laskin and Matt Gysler. Dr. Greenblatt will co-chair the Fertility Program Implementation Committee along with a MOHLTC staff member to advise the Ministry on program implementation.

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. Progress continues in the development of a Professional Masters in Health Science Program in Advanced Reproductive Technology. In the coming year, we hope to launch a GTA-wide REI group that can serve as a local platform to foster collaborative research, profession and patient advocacy, and educational initiatives.



DIVISION OF UROGYNAECOLOGY

Harold Drutz, Division Head

Honours:

UofT Chair Award
for most Research
Potential (2014):
Colleen McDermott

St. Michael's Hos-
pital Paul Mcleary
award for Education-
al Promotion (2015):
Deborah Robertson

UofT Neelam Sierra
Residency Advocacy
Award (2015):
Deborah Robertson

Best Abstract for
Category of Basic
Science/ Research/
Educations at AAGL
Global Congress
Meeting:
Jamie Kroft

Received Certifica-
tion Course in QIPS
(2015):
Danny Lovatsis

TEGH Research
Award of Excellence:
Melissa Tai

Award for Under-
graduate Teaching
Excellence, Dept.
OBS/GYN UofT:
Melissa Tai

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/University Health Network (MSH/UHN) with a branch at Baycrest Geriatric Centre (BCG) offers a three year postgraduate fellowship training program with two clinical years of training and one year of basic science and clinical research training. St. Michael's Hospital (SMH) and Sunnybrook Health Sciences Centre (SHSC) both offer two year fellowship training programs.

Faculty members at MSH/UHN are Drs. Harold P. Drutz (MSH, BGC) (Division Head), Danny Lovatsis (MSH, WCH), May Alarab (MSH, BCG) and William Easton and Phaedra Diamond (Associate Staff at Scarborough Centenary Hospital). Dr. May Alarab heads the Basic Science Research Program collaboratively with Oksana Shynlova (Phd Basic Science Researcher). At SMH, there are two trained specialists in FPMRS, Drs. Colleen McDermott, (Division Head) and Dana Soroka. Drs. Sari Kives, Abheha Sarkunaratnan, Deborah Robertson and Eliane Shore are subspecialists in Minimally Invasive Gynaecologic Surgery (MIGS). A SHSC, Dr. Patricia Lee is Division Head, and Drs. Janet Bodley and Rose Kung are full time FPMRS faculty, and part of a group of eight MIGS surgeons, including Drs. Kay Lie, Grace Liu, Herb Wong, Jamie Kroft, and Mary Mechlur, who is based at St. Joseph's Health Centre (SJHC).

	Publications (Papers and Abstracts)	Presentations (Local, National, International)	Grants	CME Events
SHSC	13	30	n/a	3
MSH/UHN	17	18	8	5
SMH	10	8	n/a	1

Future Endeavors:

- » SHSC: expands their multi-disciplinary clinic for the treatment of complex endometriosis
- » SHSC: continues to establish the Virtual Reality Simulator Program for Laproscopic surgery
- » SHSC: MIGS group continues to teach and promote Laproscopic Hysterectomy techniques across Canada.
- » Colleen McDermott (SMH) Co-ordinates Inter-city Urogynaecology rounds where residents on service present topics via teleconference to 3 academic sites. We are trying to expand this to include all affiliated community based sites.



PROGRAM REPORTS



UNDERGRADUATE MEDICAL EDUCATION

Rajiv Shah, Director

Honours:

It is a pleasure to acknowledge our 2014-2015 student award winners and to recognize their hard work, dedication and commitment to our specialty. Congratulations!

Dr. Jacob Goldstein
Scholarship:
Heather Sawula

Hendry Memorial
Scholarship:
Graeme Schwindt

Dr. Frederick R. Papsin
Award:
Elizabeth Miazga

Dr. Sidney M. &
Roselyn Tobin
Compassionate
Scholarship:
Karim Taha

Introduction:

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

Highlights:

- » St. Joseph's Health Centre and Toronto East General Hospital completed their first year of a full 6 week block Clerkship. The programs have been well received by the students and we would like to thank the Faculty for their help in making this successful.
- » Scarborough Birchmount will offer a 3 week sub-rotation to Fitzgerald Academy 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 completed the longitudinal integrated clerkship program (LInC) at the Fitzgerald Academy with great success. This year Peters-Boyd and Wightman-Berris Academies will be joining the LInC program to offer students a longitudinal experience at their sites. We thank all who have been involved as it was a tremendous endeavour that required a lot of work and dedication.
- » Two Kenyan medical students, Austin Ouma and Frank Mutai, did an Obstetrics and Gynaecology elective with our faculty at Mount Sinai Hospital, St. Michael's Hospital and Sunnybrook Health Sciences Centre from August 13 to September 27, 2014. They found their experience extremely rewarding, both, from an educational and personal perspective.

Future Initiatives:

We are working towards developing a clerkship program at William Osler Health Centre (Etobicoke and Brampton sites) over the next year, while we continue to support Scarborough Birchmount in rolling out their clerkship program. We are also finalizing an on-line teaching module for second year medical students (OB HUB). Lastly, we continue to work with the Vice-Chair of Education to follow the goals set out in our recent strategic plan.

RESIDENCY TRAINING PROGRAM

Donna Steele, Director



Introduction:

In 2014-15, our 63 residents trained at nine clinical sites affiliated with our Residency Program. The Residency Program Committee (comprised of faculty site- and rotation-coordinators, and resident representation for each PG year) plans and oversees a quality educational experience designed to produce excellent practitioners in Obstetrics and Gynaecology, as well as future leaders and researchers. Twelve new PGY1s joined our program in July, 2014. We congratulate the 10 PGY5s who successfully completed the Royal College exams in May, 2015, and wish them all the best in their future endeavours.

Highlights:

Our program is the first residency program at the University of Toronto to engage in the LEAD (Leadership Education and Development) Program. In 2014-15, the topics were Quality Improvement, Interpersonal Management, and Conflict Resolution. For 2015-16, the plan is to expand Quality Improvement in the areas of informatics and resource stewardship.

Our Residency Program started the CBME pilot in REI/PAG and MFM rotations in July, 2014. By the end of the first six months (Dec, 2014), there was strong informal feedback that the assessment tools needed to be electronically based. Nicolette Caccia developed this platform, and is currently developing electronic tools to track assessment behaviours and resident exposure to Specialty Training Requirements (STRs). The pilot was expanded to include Urogynaecology at St. Michael's Hospital, with more rotation-specific assessments that began in January, 2015. The next rotation to pilot CBME will be Ultrasound. Rubric-based assessment tools are in development for the Ultrasound rotations for a planned rollout in October, 2015. A Department retreat (June 19, 2015) facilitated faculty development and engagement in the advancement of CBME. The Royal College "Competence by Design" rollout for Obstetrics and Gynaecology, nationally, is scheduled for 2017. The results of the focus groups conducted in January, 2015 revealed support for CBME, support for focussing on assessment, and a perceived need for significant faculty development and leadership to move the project forward.

We initiated End-of-Rotation (EOR) exams in MFM, REI/PAG, GynaeOnc and Urogynaecology on July 1, 2014. Lynn Sterling and Kelsey Mills, as part of their Masters Program, conducted a national survey on EOR exams. The results from our residents clearly indicate that these exams are beneficial and, so, will be continued.

The Program initiated Research Proposal Sessions under the guidance of Dr. Mark Yudin, Director of Clinical Research. These sessions provide an opportunity for Residents to present their research idea; and at an early stage, receive feedback, and ensure that the projects are doable.

Honours:

Excellence in Undergraduate Teaching Awards:

PGY3:

Carmen McCaffrey

PGY4:

Andrea Simpson

PGY5:

Amanda Cipolla

AAGL:

Steve Morris

2015 PARO Trust Fund Resident Teaching Award:

Heather Millar

Dr. Frederick R Papsin Postgraduate Award:

Amanda Cipolla and Heather Millar

CREOG National Faculty Award for Excellence in Resident Education:

Matthew Morton

The Neelam Sierra Resident Advocacy Award:

Deborah Robertson

GOC/APOG Most innovative and unique project:

"inSpeculum: Art night for Cervical Cancer Awareness"
Mathew Leonardi and Rebecca Rich.

RESIDENCY TRAINING PROGRAM

Continued

Future Initiatives:

As of July, 2015, our program becomes part of the Royal College Surgical Foundations (SF) two-year program along with all surgical programs. This will involve significant changes in our residency training program. Our PGY1s will attend a two-week Surgical Prep Camp along with all UofT surgical PGY1 residents. This will provide an excellent start to the acquisition of surgical principles and skills. During this two-year SF program, our residents are allowed only 18 blocks out of 26 in their home specialty. The PGY2 year will be Core Ob/Gyn for the entire year. For our PGY1s to meet the SF requirements, we developed three new rotations to be implemented in 2015-16: Anesthesia, Psychiatry: Perinatal Mental Health and Addiction / Life Changes, and Pain Management (Wasser Clinic).

Dr. Helena Frecker will be conducting a pre-post quality improvement intervention study in 2015-16 that will address the unique challenges of Ob/Gyn handovers. Helena's structured tool for residents to use during both obstetrics and gynaecology handovers is similar to one previously validated in pediatrics and shown to reduce medical errors and preventable adverse events.

We will be rolling out a Daily Electronic Evaluation Form (DEEF) in order to obtain more regular, meaningful feedback for our residents and identify residents in difficulty in a more timely manner. The feedback obtained will lead to more robust ITERs.

Our Residency Program will undergo an Internal Review on April 13, 2016.

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 45 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 urogynaecology, advanced obstetrical training and menopause. This urogynaecology training, also known as FPMRS, (female pelvic medicine and reproductive surgery) is actively investigating the option of receiving RCPSC certification as a focused area of competence.

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. Fellowship seminars continued to be well received and our city wide Critical Appraisal course, in particular, is seen as a real highlight. We continue to highlight the non medical expert CanMEDS roles in these series. QulPS was the focus in 2014-2015.

The fellowship evaluation process, both of trainees and rotations continues to improve, with more robust and frequent evaluations. We have also streamlined the application process and moved much onto our website, which should lessen the administrative load.

There have been some changes in leadership: Dr. Kimberly Liu will replace Dr. Barbara Cruickshank as Program Director for GREI, and Dr. Wendy Whittle replaces Dr. Gareth Seaward for the Advanced Obstetrics fellowship.

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



CONTINUING MEDICAL EDUCATION

Rory Windrim, Director, Continuing Professional Development & Knowledge Translation

Our continuing professional development group: Drs. Filomena Meffe, Adrian Brown, Richard Pittini, Nicolette Caccia and Rory Windrim had a great year in 2014-15. Approximately 3128 learners attended our CPD events - a significant number of participants when compared to other educational activities, such as the SOGC Annual national meeting, which attracts an average of 750 attendees. Each course was tailored to the needs of attendees and employed a variety of educational tools including didactic presentations, standardized patients, hands-on ultrasound, workshops and high-fidelity simulation. Our 12 established courses were added to by a new course in Minimally Invasive Gynaecology. This University of Toronto accredited meeting emphasized hands-on simulation-based learning and was tremendously successful - we congratulate Drs. Jamie Kroft and Grace Liu for their first course direction.

Members of our Department, once again, represented the University in invited roles at provincial, national and international CPD events. Notable among these activities was the involvement of our Department in the first comprehensive International Fetal Therapy Course, presented in Washington, D.C. This course used fetal and maternal simulators that were designed and created by our Department, in collaboration with the sculpture Department at OCAD University. These simulators have now been purchased and used for teaching fetal therapy in centres worldwide.

In addition to weekly Grand Rounds in all of the academic sites and monthly Interhospital Rounds presented in all the distributed sites, the MOREOB Interprofessional CPD Program was active at all centres in the GTA.

2014 also saw the incorporation of the Moodle platform for the presentation of CPD events. This dedicated Departmental education website was used to present most of our courses in 2015. We plan to discontinue traditional hard copy syllabi and move to a fully online profile in 2016.

In the sphere of global CPD, 2015 saw the first graduations from the Gynaecologic Oncology Fellowship program at Moi University, Eldoret, Kenya. This program was developed and maintained on-site, under the leadership of Dr. Barry Rosen from Princess Margaret Hospital. Led by Dr. Rachel Spitzer, we have begun an interactive telehealth Rounds CPD program with Moi. An onsite Maternal-Fetal Medicine Division Fellowship program in Eldoret, Kenya, is also in development by Dr. Nan Okun.

There were many scholarship activities in 2014-15. Two of our courses were nominated for Interprofessional and Colin Woolf awards, and Dr. Dan Farine won our Departmental award for his Medico-legal Obstetrics CPD Day. With regard to research, we have initially focused on developing tools required for teaching practitioners, both individually and as teams.

Planning goals for 2015/16 are to continue to try to improve in all of our current activities; to increase our online course development and to collaborate with our new Departmental leadership in QI to examine new directions for the provision and effectiveness assessment of CPD in Obstetrics and Gynaecology.

Interhospital CPD Rounds

Date	Presenter/Topic	Location
September 19, 2014	Dr. Charles Koh <i>Total laparoscopic hysterectomy: from simple to complex</i>	Sunnybrook Health Sciences Centre
October 10, 2014	1st Annual Genesis Lecture in Women's Health Dr. Mitchell Rosen <i>Ovarian stimulation in patients with a cancer diagnosis</i>	St. Michael's Hospital
November 7, 2014	Dr. Jonathan Morris <i>Pregnancy and Birth</i>	Sunnybrook Health Sciences Centre
November 21, 2014	Dr. Neil Sebire <i>The minimally invasive autopsy</i> Part of 2014 Fetal Medicine Update presented by MSH and UofT OBGYN	Mount Sinai Hospital
December 5, 2014	Dr. Stephen Matthews Cannell Lecture at APOG Conference <i>Fetal experience programs life-long health</i>	Marriot Hotel Eaton Centre, Toronto
January 9, 2015	Dr. Wendy Wolfman Carol Cowell Lectureship in Paediatric <i>Adolescents with special needs: challenges and controversies</i>	Mount Sinai Hospital
February 13, 2015	Dr. Wendy Wolfman <i>Art and science of menopause</i>	St. Michael's Hospital
March 6, 2015	Global Women's Health Lecture Dr. Philip Berger <i>Advocacy in Health Care: Documents and Demonstrations</i>	Mount Sinai Hospital
April 17, 2015	Drs. Mary Higgins, Andrea Simpson, David Gurau, John Snelgrove, Michael Selter <i>Learning from experience: a novel approach to teaching the nuances of forceps and vaginal breech deliveries</i>	St. Michael's Hospital
May 8, 2015	Henderson Lecture Dr. Hamish Wallace <i>Preservation of fertility in oncology patients</i>	St. Michael's College, University of Toronto (part of Research Day)

Continuing Medical Education Program, July 2014 – June 2015

Title	Date	Course Director(s)	Number of Participants	Course Design/ Components
Research Course Department of O & G	September, 2014	Dr. Kellie Murphy	50	Didactic. Small group.
Minimally Invasive Gynaecologic Surgery Course UofT Chestnut Confer- ence Centre	September 20-21, 2014	Dr. Jamie Kroft and Dr. Grace Liu	53	Didactic and simula- tion based course Invited guest Faculty speaker
Everyday Gynaecology Arcadian Court	November 7, 2014	Dr. Jackie Thomas	395	8 Lectures Difficult Cases One Guest Faculty
Family Planning Update Sadowski Auditorium	November 8, 2014	Dr. Michele Farrugia	195	8 Lectures Difficult Cases All local faculty
Faculty Development Day 2014	November 11, 2014	Dr. Filomena Meffe	111	Didactic lectures & Workshops
Fetal Medicine Update Sadowski Auditorium	November 21 – November 22, 2014	Dr. Greg Ryan, Dr. Rory Windrim and Dr. John Kingdom	282	26 Lectures Live Scanning Three Guest Faculty
Obstetrical Malprac- tice: A Survival Guide for 2014 Sadowski Auditorium	January 17, 2015	Dr. Dan Farine	253	13 Topics 1 Guest Faculty Partnered Presenta- tions
St. Michael's 6th Annual Women's HealthSymposium UofT Chestnut Centre	February 6, 2015	Dr. Deborah Robertson	320	10 Topics 3 learning cases Local faculty

Title	Date	Course Director(s)	Number of Participants	Course Design/ Components
Obstetric Ultrasound Toronto Marriott Eaton Centre	Feb 20 – 22, 2015	Dr. Greg Ryan Dr. Rory Windrim	462	19 Lectures 4 Guest Faculty 1 Debate 7 Workshops 7 Live Scanning Sessions Salem Memorial Lecture
Mature Women's Health Care Bader Theatre	April 17, 2015	Dr. Harold Drutz Dr. Wendy Wolfman	438	11 Lectures Panel Discussion 2 Guest Faculty
Departmental Research Day	May 8, 2015	Dr. Ted Brown	331	Lectures Poster sessions
New Developments in Prenatal Diagnosis & Medical Genetics Sadowski Auditorium	May 13, 2015	Dr. David Chitayat	215	11 Lectures Nine Guest Faculty Video Conference
Refresher in Primary Maternity Care Victoria College	June 5, 2015	Dr. Anne Biringer and Dr. Rory Windrim	238	Four Lectures. Panel discussion Four Workshops

GLOBAL HEALTH AND ADVOCACY IN THE DEPARTMENT LEADING WITH CARE THROUGH AMPATH



It has been another exciting year for Advocacy and Global Health within the Department. Locally, our Advocacy Committee, comprised of a group of interested faculty and residents, was involved in a number of meaningful initiatives. Our residents created an award-winning art event called InSpeculum, drawing awareness to cervical cancer and linked up with a refugee shelter to make presentations to groups of women new to Canada. We have forged good relationships with OSCER, the office of Strategic Communications at the Faculty of Medicine and have had teaching for our postgraduate trainees on professionalism in the new era of social media, balancing its opportunities and pitfalls. In our annual Interhospital Rounds, Dr. Philip Berger of the Department of Family and Community Medicine shared principles of how physicians can fulfil the advocate role in caring for their patients.

When it comes to our Global Health contributions, our primary involvement remains in the Academic Model Providing Access to Healthcare (AMPATH) in Kenya. AMPATH promotes equity and excellence in the care of women worldwide, and seeks to build capacity in care, education and research in sub-Saharan Africa. 'Leading with Care,' we saw an unprecedented infusion of additional support from the Purpleville Foundation for which we are extraordinarily grateful, in recognition of our success and continued potential. Through other granting agencies,

including USAID, Saving Lives at Birth and Grand Challenges Canada, we have co-led and implemented novel, as well as proven MNCH activities in 7 innovative sites, covering a population of 750,000. Since 2013, this work has been scaled-up to partnerships with 8 counties, 22 sub-counties, and a catchment population of 3.5 million.

In Kenya, Astrid Christoffersen-Deb leads the University of Toronto's commitment to care, education and research as Field Director for Reproductive Health. In an exciting development with thanks to our partnership with Indiana University, a Team Leader position in Reproductive Health was established, enabling a second faculty on the ground with primary responsibility in meeting our education goals. Caitlin Parks, from SUNY, fulfilled this role in its first year and made wonderful contributions in all areas of the program, particularly in the area of Family Planning integration. Our very own Heather Millar, a long-time contributor to the program, has assumed this role for the year. We are especially proud to see residents from Toronto, notably Julie Thorne, John Snelgrove, Michael Sector and Julie Wright (medicine), engaged locally with Kenyan residents to evaluate, design and implement improved models of care. If nothing else, they have gained valuable hands-on experience on-site from Johanna Sitters, our Midwifery Instructor at Moi Teaching and Referral Hospital (MTRH).





Central to AMPATH's commitment to equity and reciprocity, we not only send trainees to Eldoret but welcome numerous learners to Toronto, including two senior Moi medical students and two gynaecologic oncology trainees from Moi in the fellowship program established there with Toronto's support. 2015 looks to celebrate the graduation of the first cohort of registrars from Moi's own MMed (residency) program. This year also saw the start of videoconference rounds to expand our educational reach and virtually link Moi Reproductive Health trainees with our residents and fellows in monthly educational rounds focusing on topics related to maternal medicine. These rounds are broadcast online, and in the coming year, we hope to link to additional hospitals within our Toronto teaching system. We thank CISEPO for their kind donation of physical and virtual space to make this accredited learning event possible.

Further, Philip Tonui became the third graduate of the Moi Gynaecologic Oncology fellowship program, a program co-led by Barry Rosen. Trainees currently in the program are from western Kenya and Uganda and will no doubt expand the reach of Gynaecologic Oncology care regionally. Our gynaecologic oncology program, with continued support from Princess Margaret Hospital, has continued to grow in the area of cervical cancer screening, with over 40,000 women screened to date. Princess Margaret Hospital has further supported the development of a collaborative curriculum in nursing oncology to support our clinical programs and is working to collaborate on plans for radiation facilities in the new chronic diseases facility.

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

As ever, our co-leadership in the AMPATH-Reproductive Health collaboration has become a cornerstone of our department and continues to highlight our leadership in this area among academic ObGyn departments nationally. Our advocacy and global health track record and ongoing commitments are a source of great pride for us all.



EDUCATIONAL PARTNERSHIP PROGRAM

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

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

The 2014 – 2015 Industry Sponsors are:



Dapasoft Inc.



Hologic Inc.

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



COMMITTEE REPORTS



PROMOTIONS AND AWARDS COMMITTEE

Dan Farine, Chair

The committee's name has been changed to the Promotion and Awards committee. This change reflects the broader mandate to identify suitably qualified faculty members for the full range of Awards, ranging from those at the University of Toronto, awards at the Provincial and National level, together with prestigious International awards.

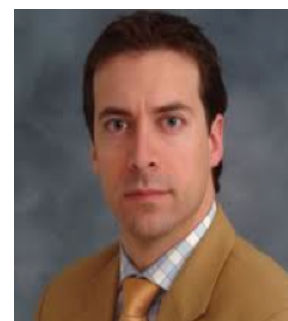
The Department is pleased to announce the following Senior Promotions, effective July 1, 2015:

To Associate Professor

Dr. Marcus Bernardini

(Princess Margaret Hospital, University Health Network)

Dr. Bernardini did his combined Residency and Clinician Investigator Program training at the University of Toronto, followed by combined sub-specialty fellowship training in Gynecology Oncology at Duke University and at the University of Toronto. He joined the Gynecologic Oncology Division at PMH-UHN in 2008. Since then, he has obtained substantial research funding, and has emerged with a National reputation in both the management of low grade endometrial cancer and in the use of robotic surgery to reduce post-operative morbidity, especially in obese women. In recognition of his significant research contributions, he received the Chair's award for Outstanding Research Potential in 2013. Recognizing his skills as an educator, he received a Teaching Excellence award in 2014. Marcus is deeply involved in many aspects of governance within his sub-specialty, at the Provincial and National levels and was elected secretary treasurer of the Society of Gynaecologic Oncology of Canada.



Dr. Ian Rogers

(Lunenfeld-Tannenbaum Research Institute, Mount Sinai Hospital)

Dr. Rogers undertook post-doctoral training in stem cell biology at the University of Toronto and was appointed as an Assistant Professor in 2007. His research program has flourished since then with substantial external grant funding. Notably, Ian has achieved 4 patents for his research during this time. His research focuses on developing stem cells for the treatment of diseases, with a focus on managing tissue rejection and understanding the immune response to foreign cells. The overall goal of his laboratory is to develop stem cells for clinical use from umbilical cord blood and from induced pluripotent stem (iPS) cells. He has developed 3-dimensional cell culture systems that use de-cellularized organs as substrates for growing stem cells. A new focus is to maintain fertility in female children undergoing chemotherapy. Together with his colleague Dr. Andras Nagy in our Department, Ian had a record-breaking series of four major publications in Nature and Nature Communications in December, 2014.

Dr. Rachel Spitzer

(Mount Sinai Hospital, SickKids)

Dr. Spitzer did her residency training at the University of Toronto, incorporating a Masters in Public Health from Harvard University, and followed by a fellowship in Paediatric and Adolescent Gynaecology at SickKids, University of Toronto. She joined the Department at Mount Sinai and SickKids in 2008. Rachel has two main areas of research focus, in Paediatric and Adolescent Gynaecology (PAG) and in Global Women's Health and Advocacy. Rachel is our inaugural Vice Chair in Global Women's Health and leads our Department's contribution in OBGYN to the AMPATH consortium at Moi University, Eldoret, Western Kenya. During this period, maternal mortality is estimated to have halved in Eldoret, an example of Rachel's own contributions being the development of a training program to prevent and manage post-partum haemorrhage. Her work engages numerous types of trainees and is profiled in this report on page 38. In addition she is our faculty lead in Global Health in the Undergraduate Medical Education (UME) program. Rachel is an active member of our PAG Division at SickKids and directs their continuing medical education program.

**Dr. Suzanne Wong**

(St. Joseph's Health Centre)



Dr. Wong did her Residency training in OBGYN at Harvard University, where she developed an interest in Gynaecologic Ultrasound on faculty as an instructor, 2003-8. Following an initial Lecturer appointment, she became an Assistant Professor in our Department in 2008. In addition to her interests in teaching ultrasound skills, she has developed a National level profile for her expertise in substance abuse in pregnancy, including publishing the SOGC guideline on this subject. Dr. Wong is an accomplished teacher. She is one of our coveted "Master Teachers," an award bestowed upon a small number of individuals who have won 3 individual teacher awards. In addition, Dr. Wong is a graduate of the Education Scholar Program at the Centre for Faculty Development at the University of Toronto. She represents Obstetrics & Gynaecology on the Point-of-Care Ultrasound Education Working Group in the Faculty of Medicine.



RESEARCH COMMITTEE

Theodore J. Brown, Chair

Introduction:

The Research Committee is charged with facilitating research and fostering collaborations within the department. All divisions, fully affiliated hospital sites, and trainee levels are represented within the committee. A key goal for the committee is to implement elements of the strategic plan toward building research capacity and collaborative opportunities. The committee was, again, fortunate this year to be well supported by Helen Robson, with assistance from Khrystyna Levyska and Tina Xue.

Highlights:

Dr. Mark Yudin, as the recently named Director of Clinical Research for the department, initiated interactive resident research proposal presentation sessions. These sessions are held twice a year during the academic half-day schedule and provide residents the opportunity to receive constructive suggestions for refining their research study from interested faculty and peers. These sessions are highly worthwhile and all faculty members are welcome and encouraged to attend. Dr. Kellie Murphy has also developed a research-training course for department Fellows and Residents. This comprehensive well-regarded three-day course features presentations from expert faculty members and is meant to familiarize trainees with salient aspects of the research process.

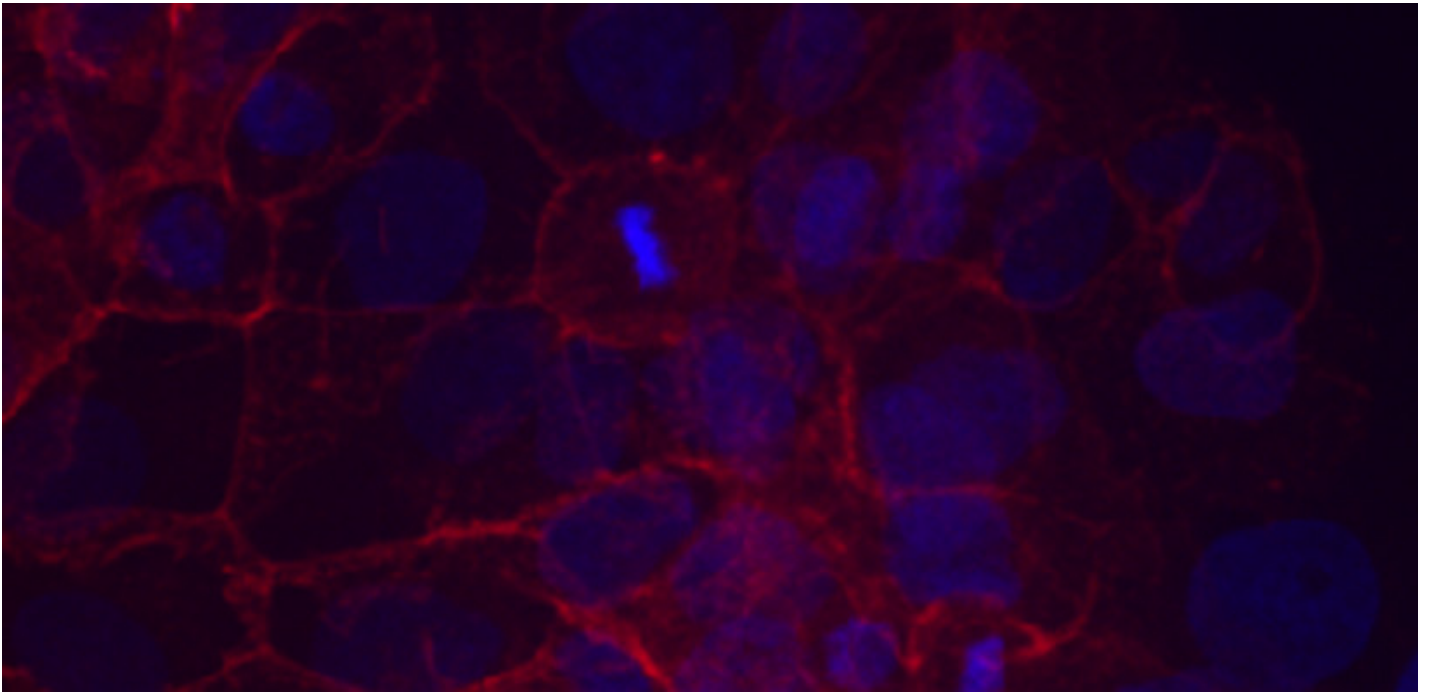
In keeping with the goals of the strategic plan, the research committee worked with Dr. Alan Bocking to organize a city-wide workshop on the impact of assisted reproductive technologies on early childhood development. The workshop was well attended with a research plan identified and an emerging team formed that will seek funding opportunities.

A priority of our department is to enhance research capacity by providing opportunities for our most promising trainees and young faculty. The department has dedicated funds for a Women's Health Scholar (WHS) program to support trainees wishing to enter the clinician investigators program (CIP) during their training. In addition, funds are available to partially support CREMS scholars and CREMS summer students, with preference given to projects driven by young faculty members. The research committee has established a procedure to apply for this support and will adjudicate these applications.

Perhaps the most visible activity of the committee is the organization of our Annual Research Day, where our trainees present their research findings to the entire department. Research Day continues to grow both in the number of presentations and in the number of attendees, attesting to the importance the faculty places on evidence-based medicine and generation of new information.

Future Initiatives:

The committee will continue to work to implement directives stemming from the departmental strategic plan with Dr. Kellie Murphy now serving as committee co-chair to help drive this agenda forward. The committee will hold workshops to promote research discussions bridging departmental divisions that could lead to collaborative research for generating knowledge and practice-changing studies. We hope to eventually sponsor two workshop topics each year. The committee will also work with Divisions interested in establishing city-wide networks, similar to the city-wide OB network, for the purpose of building a broad platform for research collaborations and advocacy, and to identify educational needs. The committee will also promote cross appointments of appropriate faculty members to the School of Graduate Studies for the purpose of mentoring WHS trainees and CREMS scholars.



CHAIR'S SUMMER STUDENTSHIP AWARDS AND CREMS STUDENTS

2015 SUMMER RESEARCH PROJECTS

This year, we had seven students participate in the CREMS Summer Student program with supervisors from our department. The CREMS program provides UofT students with an opportunity to do a 6-8 week mentored research project with faculty at the University of Toronto, giving them an introduction to research. In addition, we also introduced the Chair's Summer Studentship Award, a departmental program that sponsors student participation in research projects with our faculty. Ten students participated in the inaugural program this summer at four different hospital sites. We were very impressed by the work done this summer by all 17 students, and we hope that these programs will continue to be successful at promoting research in our department going forward.

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

Cheyenne Reed

Supervisor: Jon Barrett
Chair's Summer Studentship



Project: **Developing a clinical guideline on invasive placentation**

With the increasing prevalence of invasive placentation, my project focused on developing an international consensus statement on the best clinical practices for the screening, diagnosis and management of this high-risk obstetric condition using a modified Delphi method. Based on finding variation among current guidelines, literature, and practice itself, our goal is to update and expand existing clinical guidelines in hopes of improving maternal and fetal outcomes.

Project: **Quality assessment: Documentation of Bishop score in obstetrical triage and at the time of induction of labour**

The rising rate of cesarean delivery is of concern to women and clinicians. The Bishop Score is one of the few modifiable risk factors for cesarean delivery in women undergoing induction of labour. This project reviewed the documentation of Bishop Score at the time of induction, as well as the Bishop Score at which labour induction was undertaken. We discovered that there is significant room for improvement in both documentation and increased cervical ripening prior to induction of labour, which reveals an important quality improvement pathway with the potential to decrease the risk of cesarean delivery.

Nicole Gibbings

Supervisor: Anne Berndt
CREMS Summer Student





Vanessa Nguyen, Danielle Wuebbolt, Wynn Peterson, Kyra McKelvey, Rohan D'Souza

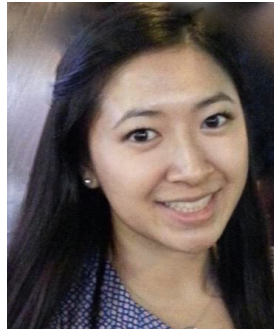
Project: *Eliciting patient-preferences for maternal-fetal health states arising from the use of anticoagulation in pregnancy*

As a team, we interviewed women attending the Special Pregnancy Program at Mount Sinai Hospital. Using four hypothetical tasks, we elicited participants' preferences for combined maternal-fetal health states related to anti-coagulant use and pregnancy complications. By working on this project we gained valuable insight into patient decision-making that we hope will help to expand clinical guidelines as well as improve patient care in our own future medical practices.

Vanessa Nguyen

Supervisor: Rohan D'Souza
Chair's Summer Studentship

This past summer, Vanessa had an incredible research experience in the high risk pregnancy clinic. She really enjoyed conducting interviews with the team and interacting with patients. This rewarding experience has led Vanessa to pursue research in years to come.



Wynn Peterson

Supervisor: Rohan D'Souza
CREMS Summer Student

Wynn is now entering her second year of medical school at the University of Toronto. Spending the summer recruiting and interviewing patients for this project, Wynn has gained an appreciation for how patients make decisions. She believes this insight will assist her in collaborating with patients who are making difficult decisions in the future.



Danielle Wuebbolt

Supervisor: Rohan D'Souza
Chair's Summer Studentship

Working on Dr. Rohan D'Souza's Patient Preferences summer research project has opened Danielle's eyes to the field of Maternal-Fetal Medicine. Through interviewing patients and family members, she was able to develop her communication skills while learning about the complexity of various women's medical disorders during pregnancy. Danielle was able to further her research skills and gain invaluable experience that will benefit her now and in the future. Lastly, Danielle is hopeful that the information that we have gathered will help shape clinical guidelines in the future.

Kyra McKelvey

Supervisor: Rohan D'Souza
Summer Student

Kyra is currently finishing her PhD at the University of Toronto. Working on this project with Dr. D'Souza has inspired Kyra to shift her career in a more clinical direction. She has gained an appreciation for the complexity of medical decision making and the treatment of disorders during pregnancy, and hopes that the data gathered for this project will promote the incorporation of patient preferences into clinical guidelines.



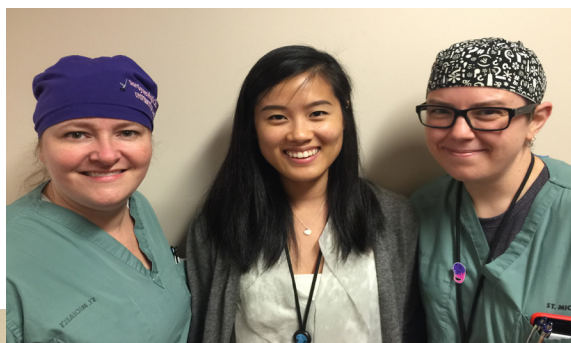
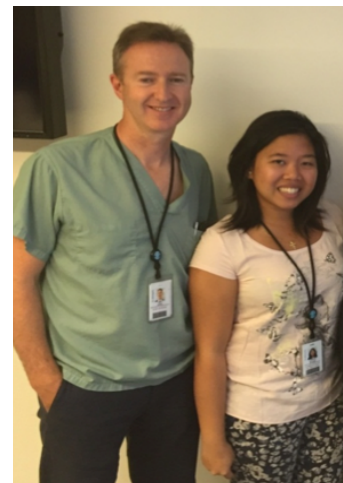
Project: **(1) Pre simulation training program: Baseline data of shoulder dystocia and brachial plexus injury across the Greater Toronto Area hospitals.**

(2) Pre training program: Baseline data of obstetric anal sphincter injury across the Greater Toronto Area hospitals

Both studies aim to generate pre-training data on the baseline incidence of (1) SD and BPI, as well as, (2) obstetric anal sphincter injury (OASIS) and associated risk factors. The data were obtained from Better Outcomes Registry & Network (BORN) Ontario Information System database, comprising all vaginal deliveries from April, 2012 to March, 2014 within 18 hospitals across the Greater Toronto Area (GTA). These data will eventually be compared to post-training data following an intensive simulation training program that includes force gauge monitoring in SD management and, (2) a training program that follows a standardized approach toward prevention and ideal management of OASIS.

Loralei De Guia

Supervisor: Michael Geary
Chair's Summer Studentship



Julia Ma

Supervisors: Michael Geary, Deborah Robertson, Helena Frecker
Chair's Summer Studentship

Project: **The effect of an educational session and structured communication tool on the quality of obstetrics & gynaecology handovers**

Julia is a Master of Public Health candidate at the University of Toronto, specializing in the field of Epidemiology. Under the supervision of Drs. Helena Frecker and Deborah Robertson, Julia has been assisting with a prospective pre-post intervention study, looking to improve the quality of Ob/Gyn resident handovers. The study specifically targets the Ob/Gyn residents at the University of Toronto during their time at St. Michael's Hospital, where the effect of an educational session and structured communication tool on the quality of handovers is being investigated. Julia is also recruiting patients for a study led by Drs. Faraj Abdallah and Michael Geary to evaluate postpartum pain and quality of recovery following elective cesarean section.



Jasmine Multani

Supervisor: Sari Kives
Chair's Summer Studentship

Project 1: ***Dermoid cysts in adolescents***Project 2: ***Comparison of resolution of labial agglutination with estrogen therapy and observation in asymptomatic pre-pubertal girls.***

Through my research experience with Dr. Kives and the Paediatric and Adolescent Gynaecology team over the summer, I was given a great privilege to immerse myself in research. I have gained skills in writing a proficient REB proposal, researching and writing a comprehensive literature review, conducting a chart review, and ultimately publishing a paper. This experience has proven to be very valuable in that it has provided me with a better understanding of the importance of research guiding clinical practice. In addition to research, I also had the opportunity to shadow a few surgeries to better understand my research projects. I had the pleasure of working under Dr. Kives' guidance through this process, which proved to be a very enjoyable opportunity and has definitely fostered further interest in research for the future.

Project: ***Differences in umbilical cord gas values in neonates of mothers with sickle cell disease in comparison to neonates of non-affected mothers***

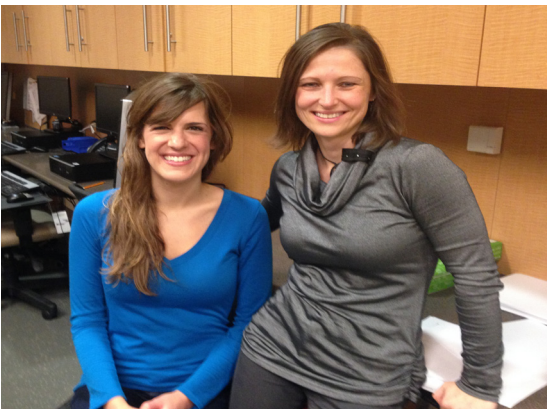
This summer, I was exposed to various aspects of clinical research - REB applications, study participant selection, data abstraction and analysis, and writing a scientific abstract. Through doing this project I was able to improve my research skills, which I will be able to apply to future research projects, while also learning more about obstetrics and high risk pregnancies.

Patrina Cheung

Supervisor: Ann Malinowski
CREMS Summer Student

**Elizabeth Miazga**

Supervisor: Ann Malinowski
Chair's Summer Studentship

Project: ***Postpartum morbidity in women receiving peripartum therapeutic anticoagulation.***

The project is a retrospective chart review of women followed in the Special Pregnancy program at MSH who received therapeutic anticoagulation. We looked at the regimens used for the re-initiation of therapeutic anticoagulation following delivery and whether the type of regimen used increases the risk of excessive peripartum bleeding.

Sidra Shafique

Supervisor: Ann Malinowski
Chair's Summer Studentship



Project: **Risk factors associated with adverse pregnancy outcomes in Women with sickle cell disease.**

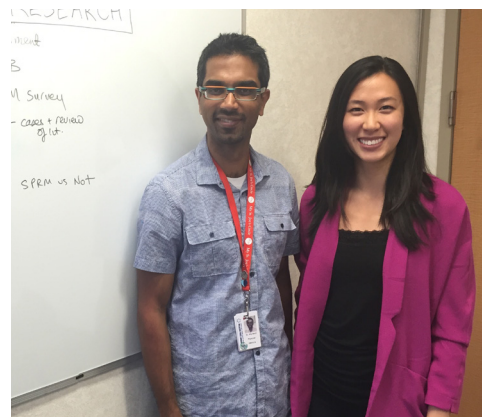
It was a memorable experience to be a summer student in the Maternal Fetal Medicine Division at Mount Sinai Hospital. I learned "How a vision can come alive from words to practice" through the application of theoretical concepts to obtain tangible results, in a respectful and encouraging environment. Dr. Malinowski guided me through the process. My supervisor has an encouraging attitude towards her students. All the staff is very helpful and cooperative.

Tiffany Chow

Supervisor: Ally Murji
Chair's Summer Studentship

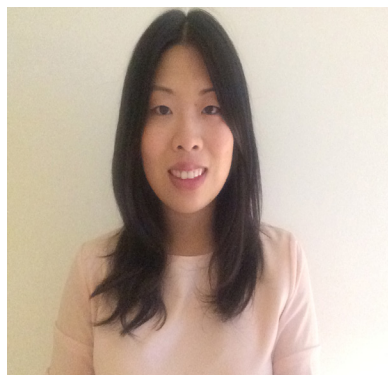
Project: **Prospective database on the use of ulipristal acetate following launch in Canada**

Our goal is to determine the predictors of effectiveness of Ulipristal Acetate in the treatment of fibroids. I also worked on a Cochrane systematic review on Selective Progesterone Receptor Modulators for Uterine Fibroids. This project taught me how to critically appraise scientific literature. Furthermore, I was given many opportunities to shadow Dr. Murji and observed various gynecological and obstetrical procedures. This was my first experience with clinical research, and it was a thoroughly memorable and enjoyable summer.



Noelle Ma

Supervisor: Nan Okun
CREMS Summer Student



Project: **A Greater Toronto Area (GTA-OBS) Network standardized protocol for the care of pregnant women with a short cervix in pregnancy.**

Given that prematurity is responsible for half of all neonatal deaths, we constructed a standardized protocol to improve the care of pregnant women with a short cervix throughout the GTA (LHINS 5 to 9). We reviewed publications, international guidelines and consulted expert opinions within the GTA Obstetrics Network in order to develop a framework for care of these women. We plan on facilitating the implementation of this standardized protocol in community hospitals in the GTA and tracking pre- and post-proposal indicators.

Raghad Al-Saqqar

Supervisors: Barry Rosen, Michelle Jacobson
CREMS Summer Student



Project: **A comprehensive clinical Database for women with BRCA mutations**

Raghad was involved with the Familial Ovarian Cancer Clinic at Women's College Hospital. Her project was to develop a database capturing information from the initial patient encounter, her surgery and postoperative care as well as her aftercare. Raghad had an integral role in formatting the database, reviewing the literature, and deciding which questions needed to be asked. She helped to draft and submit the REB application as well. The completion of the database is ongoing and will be expanded to include data from the new Epic electronic patient records at Women's College Hospital.

Project: **Ovarian syndrome in advanced reproductive age: Are there advantages in the response to fertility treatment?**

Polycystic ovarian syndrome (PCOS) is a common endocrine disorder that affects 6.5-8% of women of reproductive age. One characteristic of PCOS is high anti-Mullerian hormone (AMH) levels. As women age, AMH levels fall, correlating well with antral follicle numbers and providing a good indication of ovarian reserve. Thus, it is hypothesized that women with PCOS likely have a larger ovarian reserve than women without PCOS. The objective of the study is to determine if women with PCOS of advanced reproductive age have an advantage in their response to fertility treatment compared to non-PCOS infertile women. The study is still in the data collection stage.

Lelya Eryuzlu

Supervisor: Prati Sharma
CREMS Summer Student

**Liubov Krichesky**

Supervisor: Prati Sharma
CREMS Summer Student



Project: **Efficacy of infertility treatments in fragile X premutation carriers with primary ovarian Insufficiency**

Primary ovarian insufficiency (POI) is a condition of ovarian dysfunction caused by a process originating within the ovary itself that leads to infertility. Premutation of the Fragile X Mental Retardation 1 (FMR1) gene, defined by the presence of 55-200 CGG repeats in the 5'UTR, predisposes women to develop POI. There are currently no standard protocols to treat women with Fragile X-associated primary ovarian insufficiency (FXPOI). This retrospective study aimed to identify the most optimal fertility treatment protocols for females with FXPOI and to determine whether treatment success differs between females with FXPOI and those with POI due to other causes.



EVENTS



32ND ANNUAL RESEARCH DAY

32nd ANNUAL RESEARCH DAY AND HENDERSON LECTURE

The annual departmental Research Day was held at St. Michael's College on May 8th. This event provides our trainees with the opportunity to share their research with the entire department and for us to come together to celebrate our collective research successes. At this, our 32nd Obstetrics and Gynaecology Research Day, we received 109 abstract submissions, with 331 attendees (faculty, trainees, and guests). These statistics exceed our previous record of 93 abstracts and 300 registrants set in 2014. We retained several popular initiatives from the 2014 meeting. Collaboration Corner was enhanced by providing time at the end of our first oral session for presenters to highlight their project and invite interested collaborators to come to their posters for further information. We hope to further expand this aspect of Research Day in 2016. Research Day was, once again, a recognized CME event, providing up to 7.0 hours of credit for maintaining credentials. We are grateful for the generous financial support of Dapasoft Inc. and Hologic Inc. for our Research Day APP, which provided registrants with searchable access to abstracts, maps, schedules, and late announcements regarding the meeting. This year we also introduced a People's Choice Award for best poster, which was well received.

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. This year, Dr. Hamish Wallace, Professor of Paediatric Oncology at the Royal Hospital for Sick Children and University of Edinburgh (United Kingdom) delivered an insightful lecture on "Oncofertility: Fertility preservation for young people with cancer – who is at risk and what can be offered." We were able to derive additional benefit from our guest speaker, who informally met with the REI and Paediatric Gynaecology groups in advance of the meeting. We were pleased to have an excellent day end on a high note, with our awards ceremony and reception, officiated by our Dean of Medicine, Dr. Trevor Young.



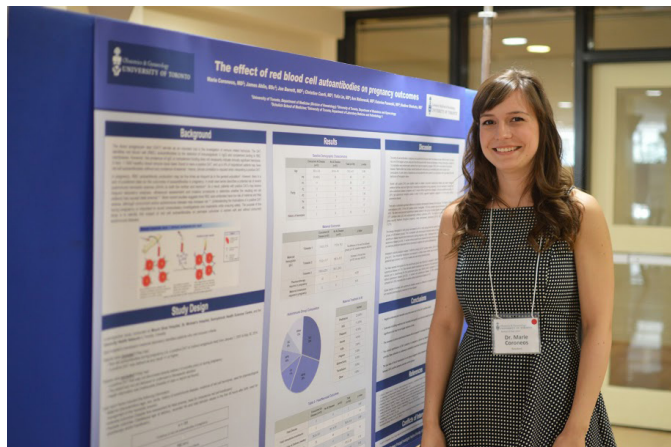
COLLABORATION CORNER

1: A Prospective Cohort & Cost-Effectiveness Study of Preimplantation Genetic Screening with In Vitro Fertilization

Rhonda Zwingerman, Heather Shapiro, Nan Okun
Department of Obstetrics and Gynaecology, University of Toronto

2: The Ontario Birth Study - A Collaborative Research Platform

Ryan Seeto (1), Mary-Jean Martin (2), Sheryl Hewko (2), Teresa Selander (1), Howard Berger (3), Nan Okun (4), Laura Anderson (5), Julia Knight (1), Jonathan Maguire (3), Leanne De Souza (3), Kellie Murphy (4), Stephen Lye (1), Alan Bocking (4)
(1) Lunenfeld-Tanenbaum Research Institute, (2) Mount Sinai Hospital, (3) St. Michael's Hospital, (4) Department of Obstetrics and Gynaecology, (5) Sick-Kids



3: Does Medical Pre-treatment of Fibroids Affect the Surgical Experience at Myomectomy?

Marta Wais, Sari Kives, Sabrina Lee, Grace Liu, Alice Pham
Department of Obstetrics and Gynaecology, University of Toronto

4: AMPATH Reproductive Health - Collaboration Corner

Rachel Spitzer, Alan Bocking, Astrid Christoffersen-Deb, Paula Braitstein
Department of Obstetrics and Gynaecology, University of Toronto

ORAL PRESENTATIONS

O1: The Effect of Antenatal Corticosteroids on the Fetal Thymus

Claire Jones (1), Sharon Adams (2), Louisa Loizides (2), Meredith Hood (2)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) St. Michael's Hospital

O2: Molecular Evidence of Local and Functional Progesterone Withdrawal in Labouring Human Myometrium

Lubna Nadeem, Oksana Shynlova, Xuesen Dong, Stephen Lye
Lunenfeld-Tanenbaum Research Institute

O3: JA Multi-center Retrospective Review of Clinical Characteristics of Uterine Sarcoma

Marta Wais (1), Elissa Tepperman (2), Marcus Bernardini (1), Lilian Gien (1), Waldo Jimenez (2), Ally Murji (3)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other, (3) Mount Sinai Hospital

O4: Uterine Clear Cell Carcinoma: Does Adjuvant Chemotherapy Improve Outcomes?

Julie Nguyen (1), Geneviève Bouchard-Fortier (1), Marcus Bernardini (1), Guangming Han (2), Lilian Gien (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Sunnybrook Health Sciences Centre

O5: Cost-Effectiveness Analysis of Preimplantation Genetic Screening with In Vitro Fertilization

Rhonda Zwingerman (1), Daniel Wagner (2), Heather Shapiro (1), Nan Okun (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

O6: Dietary L-Arginine Supplementation During Pregnancy Improves Birth Outcomes in Experimental Placental Malaria

Chloe McDonald (1), Andrea Conroy (1), Lindsay Cahill (2), Adrienne Philson (1), John Sled (1), Kevin Kain (1)
(1) Other, (2) SickKids

O7: Pregnancy Outcomes in Women with Polycystic Ovarian Syndrome (PCOS) Undergoing In Vitro Fertilization (IVF)

Lynn Sterling (1), Jennifer Liu (1), Nan Okun (1), Anamika Sakhuja (2), Sony Sierra (1), Ellen Greenblatt (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

O8: Neonatal Mortality and Morbidity in Very Preterm Twin based on Birth Order

Elad Mei-Dan (1), Greg Ryan (1), Prakesh Shah (2), Kellie Murphy (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital



O9: Effect of oral *Lactobacillus rhamnosus*, GR-1®/ *L. reuteri*, RC-14® on the vaginal microbiota and cervico-vaginal cytokines in low risk pregnant women

Si wen Yang (1), Alan Bocking (1), John Challis (1), Gregor Reid (2), Gregory Gloor (2), Shannon Seney (2), Mary-Jean Martin (3), Maria Rocco (3), Elizabeth Asztalos (4)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other, (3) Mount Sinai Hospital, (4) Sunnybrook Health Sciences Centre



O10: Large Cohort Unsupervised Placental Microarray Analysis for the Assessment of Molecular Heterogeneity in Pathologies of Pregnancy

Katherine Leavey (1), Shannon Bainbridge (2), Brian Cox (1)
(1) Department of Physiology, University of Toronto (Canada), (2) Other



O11: Exosomes from Normal and Pre-eclamptic Placental Villi are selectively Anti-angiogenic and reversed by Low Molecular Weight Heparin (LMWH)

Kalpna Pillai (1), Dora Baczyk (1), John Kingdom (2)
(1) Lunenfeld-Tanenbaum Research Institute, (2) Department of Obstetrics and Gynaecology, University of Toronto

O12: A Comparison of Survival Outcomes Between Two Canadian Centres in the Treatment of Advanced Stage Ovarian Cancer

Kate Pulman (1), Robyn Comeau (2), Steven Narod (3), Ping Sun (3), Marcus Bernardini (1), Jason Dodge (1), Taymaa May (1), Joan Murphy (1), Stephane Laframboise (1), Sarah Ferguson (1), Prafull Ghatage (2), Barry Rosen (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other, (3) Women's College Hospital

O13: Prenatal Glucocorticoid Treatment Matures The Developing Blood-Brain Barrier (bbb) and Alters Responsiveness to TGF- β 1

Stephanie Baello (1), Majid Iqbal (1), Stephen Matthews (2), William Gibb (3)
(1) Department of Physiology, University of Toronto, (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) Other

O14: Coagulopathy as a predisposing factor to endometriosis: Evidence from a bleeding questionnaire

Anat Herscu Klement (1), Fredric Mitri (1), Alida Pokoradi (2), Yaakov Bentov (1), Paul Chang (1), Dan Nayot (1), Anne McLeod (3), Robert Casper (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other, (3) Sunnybrook Health Sciences Centre

POSTER PRESENTATIONS

POSTER GROUP A

gynaecologic oncology I

A1: Does the Initial Management of High-grade Serous Ovarian Cancer Predict Location of Recurrence?

Lauren Philp (1), Paulina Cybulska (1), Sarah Ferguson (1), Barry Rosen (1), Jaydeep Halankar (2), Dhivyamurthy Paravasthu (2), Clara Cheong (3), Ur Metser (2)

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

A2: Does Volume of Ascites at the Time of Primary Surgery Influence Patterns of Recurrence in Advanced High Grade Ovarian Cancer?

Ingrid Lai (1), Barry Rosen (1), Joan Murphy (1), Christine Massey (2), Tomer Feigenberg (1)

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

A3: Early stage clear cell ovarian cancer and the effect of adjuvant radiation on survival.

Liat Hogen (1), Marcus Bernardini (1), Barry Rosen (1), Lisa Le (2), Dina Bassiouny (3), Danielle Vicus (1)

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

A4: A comparison of the toxicity and tolerability of two intraperitoneal chemotherapy regimens for advanced-stage ovarian cancer.

Geneviève Bouchard-Fortier (1), Barry Rosen (1), Kate Pulman (1), Iryna Vyarvelska (2), Danielle Vicus (1)

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

A5: High Soy Protein Consumption Does Not Stimulate Growth of the Endometrial Lining in Post-Menopausal Women.

Caroline Brandon (1), Christine Derzko (2), Amy Strauss (2), Mark Messina (1), Dorothea Faulkner (3), Christine Ireland (3), David Jenkins (3)

(1) Other (United States), (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) St. Michael's Hospital

A6: What's age got to do with it? Clinical considerations for cervical cancer prevention in women aged 21-24.

Vanessa Zannella (1), Joan Murphy (2)

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

POSTER GROUP B

maternal-fetal medicine I

B1: Gestational diabetes and the Folate-Methionine Cycle

Eran Barzilay (1), Ashley Moon (1), Lesley Plumptre (1), Shannon Masih (1), Carly Visentin (1), Anna Ly (1), Kyoung-Jin Sohn (1), Andrea Lausman (1), Ruth Croxford (2), Deborah O'Connor (3), Young-In Kim (1), Howard Berger (1)

(1) St. Michael's Hospital, (2) Other, (3) SickKids

B2: A Gut-wrenching problem: Hollow Visceral Myopathy in Pregnancy – A Case Report

Marian Leung (1), Howard Berger (2), Nirmala Chandrasekaran (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) St. Michael's Hospital

B3: Is postpartum anaemia an independent risk factor for development of postpartum depression?

Nirmala Chandrasekaran (1), Leanne De Souza (2), Robyn Bernick (1), Howard Berger (2)
 (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) St. Michael's Hospital

B4: Risk Factors for Obstetric Anal Sphincter Injuries in Twin Deliveries.

Hadar Rosen (1), Jon Barrett (2), Rania Okby (2), Ori Nevo (2), Nir Melamed (2)
 (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Sunnybrook Health Sciences Centre

B5: TGF β and IL8 Co-operate to Polarize Neutrophil Differentiation Towards a Pro-Angiogenic Phenotype

Melissa Kwan (1), Caroline Dunk (1), Hagai Amsalem (2), Stephen Lye (1)
 (1) Lunenfeld-Tanenbaum Research Institute, (2) Other

B6: Spontaneous Uterine Rupture and Repair at 21 Weeks Gestation: A Case Report and Literature Review

Lesley Hawkins (1), Deborah Robertson (1), Abheha Satkunaratnam (2), Helena Frecker (1)
 (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) St. Michael's Hospital

POSTER GROUP C**C1: Necroptosis in the Human Placenta**

Liane Bailey (1), Isabella Caniggia (2)
 (1) University of Toronto, (2) Lunenfeld-Tanenbaum Research Institute

C2: Jumonji C Domain Containing Protein 6 (JMJD6) – A Novel Regulator of VHL in the Human Placenta

Sruthi Alahari (1), Isabella Caniggia (2)
 (1) Department of Physiology, University of Toronto, (2) Lunenfeld-Tanenbaum Research Institute

C3: Mitochondrial Dynamics and Spingolipid Metabolism in Preeclampsia

Jonathan Ausman, Isabella Caniggia
 Lunenfeld-Tanenbaum Research Institute

C4: 3D Sonographic Placental Assessment to Improve Algorithm-Based Screening for Adverse Perinatal Outcomes Associated with Placental Disease

Farshad Ghasemi (1), Emily Wright (1), Sarah Keating (2), Prakesh Shah (3), Michael Yampolsky (2), John Kingdom (1)
 (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) University of Toronto, (3) Mount Sinai Hospital

C5: Expression of The ABC Transporter Superfamily in The Preterm and Term Human Placenta

Güinever Império (1), Mohsen Javam (1), Caroline Dunk (2), Enrrico Bloise (3), Stephen Lye (2), William Gibb (3), Tania Ortega (3), Stephen Matthews (4)
 (1) Department of Physiology, University of Toronto, (2) Lunenfeld-Tanenbaum Research Institute, (3) Other, (4) Department of Obstetrics and Gynaecology, University of Toronto

C6: Detecting Placental Pathology Based on Umbilical Artery Wave Mechanics

Anum Rahman (1), Yu-Qing Zhou (1), Lindsay Cahill (1), Mike Seed (1), John Kingdom (2), Christopher Macgowan (1), John G. Sled (1)
 (1) SickKids, (2) Department of Obstetrics and Gynaecology, University of Toronto

*placental health
and preeclampsia*

POSTER GROUP D

D1: microRNAs govern trophoblast stem cell fate via repression of embryonic gene regulatory networks

Ursula Nosi, Brian Cox
Department of Physiology, University of Toronto

D2: Characterization of mesenchymal stromal cells derived from human umbilical cord

Vanessa Raileanu, Jennifer Whiteley, Ian Rogers
Department of Obstetrics and Gynaecology, University of Toronto

D3: Generating Six2+ Renal Progenitors for Kidney Cell Therapy

Manpreet Sambi (1), Jennifer Whiteley (2), Claudio Monetti (1), Mira Li (3), Qin Liang (1), Peter Tonge (3), Andras Nagy (2), Ian Rogers (2)
(1) Lunenfeld-Tanenbaum Research Institute, (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) University Health Network

D4: iPSC-derived Thymic Epithelial Progenitors Differentiation for Development of Mice with Personalized Immune Systems

Huijuan Yang (1), Ian Rogers (2), Andras Nagy (2)
(1) Lunenfeld-Tanenbaum Research Institute, (2) Department of Obstetrics and Gynaecology, University of Toronto

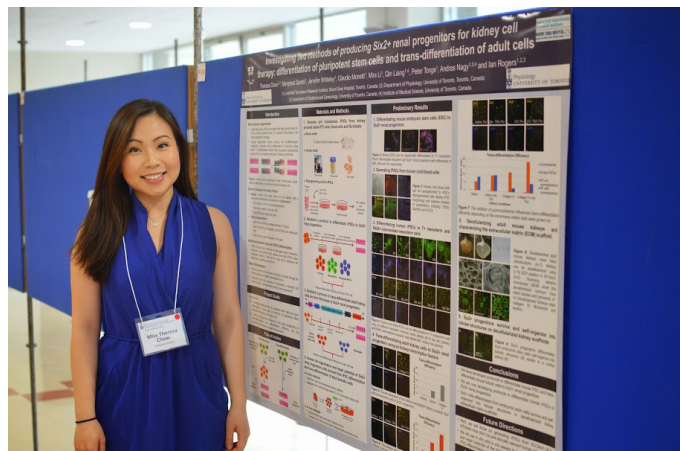
stem cells I

D5: Improved Cardiac Function after Intra-Myocardial Injection of First Trimester Human Umbilical Cord-Derived Perivascular Cells in a Rat MI Model

Russell Yanofsky
Department of Obstetrics and Gynaecology, University of Toronto

D6: Development of Local-acting Biologics for Combined Cell and Gene Therapy to Treat Rheumatoid Arthritis

Eric Neely (1), Andras Nagy (2)
(1) Other (Canada), (2) Department of Obstetrics and Gynaecology, University of Toronto



POSTER GROUP E

education

E1: Ultrasound Training and Competency Achieved During Obstetrics and Gynecology Residency in Canada

Mathew Leonardi (1), Ally Murji (2), Mara Sobel (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital

E2: Incidence and Characteristics of Needlestick Injuries amongst Medical Trainees at a Community Teaching Hospital

Ben Ouyang (1), Melissa Tai (1), Lucy Dong Xuan Li (1), Joanne Mount (2), Marcus Law (2), Carmine Simone (2)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Toronto East General Hospital

E3: Piloting Moodle in the Department of Obstetrics and Gynaecology

Ruaidhri McVey (1), Sergio Carmona (1), Eric Clarke (2), Joan Murphy (1), Rory Windrim (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

E4: Global Women's Health Education in Canadian Obstetrics and Gynaecology Residency Programs: A survey of program directors and senior residents.

Heather Millar (1), Elizabeth Randle (2), Heather Scott (2), Dorothy Shaw (2), Nancy Kent (2), Amy Nakajima (2), Rachel Spitzer (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

E5: Can surgical "warm-up" with instructor feedback improve operative performance of surgical trainees?

Leslie Po (1), Jamie Kroft (2), Michael Ordon (3), Jason Lee (1), Richard Pittini (2)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Sunnybrook Health Sciences Centre, (3) St Michael's Hospital

E6: Teaching patient and instrument selection for operative vaginal deliveries: a video-based masterclass in second stage labour assessments

Aparna Sarangapani (1), Andrea Simpson (1), John Snelgrove (1), Mary Higgins (2), Rory Windrim (3), Abheha Satkunaratnam (4)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other, (3) Mount Sinai Hospital, (4) St Michael's Hospital

POSTER GROUP F*paediatric and urologic
gynaecology***F1: Dysglycemia Among Adolescents With Polycystic Ovarian Syndrome**

Kimberly Bremer (1), Nicole Coles (2), Jill Hamilton (2), Sari Kives (3)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) SickKids, (3) St. Michael's Hospital

F2: Autonomous Functional Ovarian Cysts and Precocious Puberty in Young Girls – 10 years of experience at a Canadian centre

Ian Comeau (1), Sari Kives (2), Jill Hamilton (1), Lisa Allen (3)
(1) SickKids, (2) St. Michael's Hospital, (3) Mount Sinai Hospital

F3: A streamlined surgical technique of laparoscopic sacrocolpopexy for post hysterectomy vault prolapse treatment

Ashraf Dawood (1), Salomon Zebede (1), Danny Lovatsis (1), May Alarab (2), Harold Drutz (2)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital

F4: Predicting post-operative urinary retention (PUR) in women undergoing pelvic reconstructive surgery

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

F5: Effect of obesity on surgical complication rates in women undergoing vaginal hysterectomy

Chaula Mehta (1), Petrus Kruger (1), Patricia Lee (2)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Sunnybrook Health Sciences Centre

F6: Local Estrogen Therapy: Potential Implications for the Improvement of Pelvic Organ Prolapse Symptoms in Postmenopausal Women

Yvonne Leong (1), May Alarab (2), Harold Drutz (2), Oksana Shynlova (3)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital, (3) Lunenfeld-Tanenbaum Research Institute

POSTER GROUP G

G1: Altered Angiogenesis in HIV-Infected Pregnant Women is Associated with Preterm Birth and Stillbirth: A Prospective Longitudinal Cohort Study in Uganda

Andrea Conroy, Chloe McDonald, Paul Natureeba, Diane Havlir, Moses Kamya, Grant Dorsey, Kevin Kain
University of Toronto

G2: Maternal Cardiovascular Effects of Placental Dysfunction in the 2nd Trimester

Kelsey McLaughlin (1), Rohan D'Souza (2), Michelle Hladunewich (3), John Parker (1), John Kingdom (2) (1) Mount Sinai Hospital, (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) Sunnybrook Health Sciences Centre

G3: The Quantitative and Qualitative Character of Decidual Natural Killer Cells in Preeclamptic Pregnancy

Jianhong Zhang, Caroline Dunk, Stephen Lye
Lunenfeld-Tanenbaum Research Institute



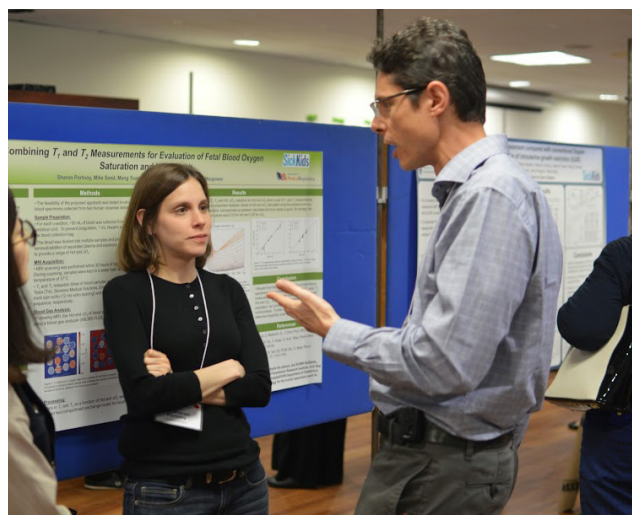
preeclampsia, IUGR and preterm birth

G4: Fetal MRI hemodynamic assessment compared with conventional Doppler parameters for the detection of intrauterine growth restriction (IUGR)

Meng Yuan Zhu (1), Sarah Keating (2), Natasha Milligan (3), Rory Windrim (3), Sharon Portnoy (1), John Sled (2), Christopher Macgowan (1), John Kingdom (4), Mike Seed (1) (1) SickKids, (2) Other, (3) Mount Sinai Hospital, (4) Department of Obstetrics and Gynaecology, University of Toronto

G5: Combining T1 and T2 Measurements for Evaluation of Fetal Blood Oxygen Saturation and Hematocrit

Sharon Portnoy (1), Mike Seed (1), Meng Yuan Zhu (1), John Sled (2), Christopher Macgowan (1) (1) SickKids, (2) Department of Obstetrics and Gynaecology, University of Toronto



POSTER GROUP H

H1: The Impact of Body Image in Women with Infertility on their Quality of Life

Julie Leising (1), Jan Silverman (2), Kevin Quach (2), Clifford Librach (1) (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

fertility I

H2: Complement Cascade Factors in Granulosa Luteinized Cells & Follicular Fluid Appear to Correlate with Ovarian Reserve in In Vitro Fertilization Patients

Bahar Behrouzi (1), Esther Lau (1), Arshia Azizeddin (1), Shlomit Kenigsberg (1), Clifford Librach (2) (1) Other, (2) Department of Obstetrics and Gynaecology, University of Toronto

H3: Development of test protocol for direct FMR1 gene sequencing to determine CGG allele meiotic stability in sibling embryos

Lih Yeen Tan (1), Clifford Librach (1), Rina Abramov (2), Tatiana Kalinina (3), Peter Ray (3), Valeriy Kuznyetsov (2)

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

H4: Presence of Luteinizing Hormone Receptor in Exosomes Isolated from Human Follicular Fluid: A Potential Mechanism to Regulate Follicular LH Signaling

Jennifer Power (1), Clifford Librach (2), Arshia Azizeddin (1), Shlomit Kenigsberg (1)

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

H5: Serum AMH Levels are Correlated with Aneuploidy in a Subpopulation of Women experiencing Infertility

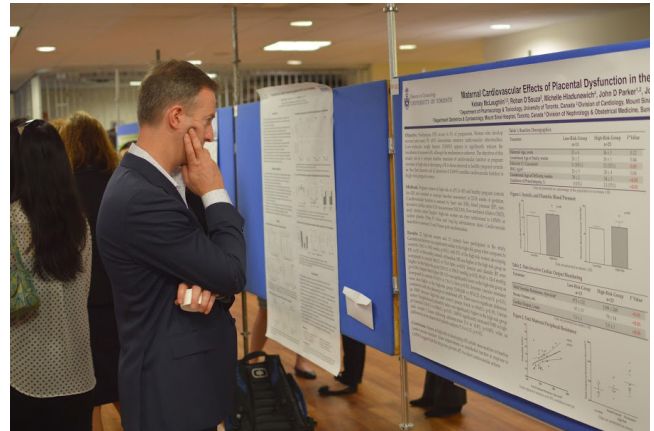
Karen Wong (1), Basheer AlKudmani (1), Clifford Librach (1), Prati Sharma (2)

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

H6: Morphokinetic and Metabolic Signatures of Human Pre-implantation Embryos Correlate with Embryo Competency During IVF Treatment

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

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



POSTER GROUP I

I1: Sperm DNA Quality is Strongly Correlated with the Likelihood of Achieving a Pregnancy with Non-IVF Fertility Treatments

Julia Brachtchenko (1), Sonja Swanson (1), Ekaterina Shlush (1), Larissa Kan-ool (1), Prati Sharma (1), Ari Baratz (2), Karen Glass (3), Clifford Librach (3), Sergey Moskovstev (3)

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

I2: In Vitro Testicular Niche: The Ratio of Spermatogonial Stem Cells (SSC) to Supporting Somatic Cells is Critical for Optimal SSC Proliferation

Itai Gat (1), Leila Maghen (2), Ekaterina Shlush (3), Hanna Balakier (1), Andree Gauthier-Fisher (3), Kirk Lo (4), Clifford Librach (1)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Department of Physiology, University of Toronto, (3) Other, (4) Mount Sinai Hospital

male fertility

I3: The Anti-Apoptosis Related IL-7 Receptor is Expressed in Human Ejaculates and its Expression is Significantly Lower in Patients with Asthenozoospermia

Ekaterina Shlush (1), Paula Mackie (2), Sergey Moskovstev (1), Melissa Felice (2)

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

I4: UTF-1 as a marker for human spermatogonial stem cells (SSCs) and its application in the assessment of telomere length in azoospermic men

Alison Pamela Kurjanowicz (1), Clifford Librach (2), Sergey Moskovstev (2), Kirk Lo (3), Keith Jarvi (3)

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

POSTER GROUP J

gynaecologic oncology II

J1: The First Prospective Study of Surgical Morbidity In A Canadian Tertiary Referral Academic Gynecologic Oncology Center

Ruaidhri McVey (1), Iryna Vyarvelska (2), Marcus Bernardini (1), Jason Dodge (1), Stephane Laframboise (1), Taymaa May (1), Joan Murphy (1), Barry Rosen (1) (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) University Health Network

J2: VEPH1 Impedes SMAD2 Release from TGF- β Receptor I to Inhibit TGF- β Signaling

Premalatha Shathasivam (1), Alexandra Kollara (1), Maurice Ringuette (2), Carl Virtanen (3), Jeffrey Wrana (4), Theodore Brown (1) (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other, (3) University Health Network, (4) Lunenfeld-Tanenbaum Research Institute

J3: Cost-Effectiveness of Sentinel Node Biopsy in Early Stage Cervical Cancer

Harry Brar
Department of Obstetrics and Gynaecology, University of Toronto

J4: Quality Indicators for a Sentinel Lymph Node Program for Early Stage Cervical Cancer

Maria Cusimano (1), Marcus Bernardini (1), Barry Rosen (1), Joan Murphy (1), Stephane Laframboise (1), Jason Dodge (1), Al Covens (1), Patricia Shaw (2), Blaise Clarke (2), Marjan Rouzbahman (2), Ravi Mohan (2), Sarah Ferguson (1) (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) University Health Network

J5: All-organic nanovesicles for multimodal PET/CT and optical fluorescence assessment of lymphatic disseminations in gynaecologic cancers

Michael Valic (1), Juan Chen (2), Wenlei Jiang (2), Marcus Bernardini (3), Gang Zheng (2) (1) Other, (2) University Health Network, (3) Department of Obstetrics and Gynaecology, University of Toronto

POSTER GROUP K

maternal-fetal medicine III

K1: Algorithm for Efficient Analysis of Perinatal Samples: a Three-Year Prospective Study

Karen Wou (1), Yong Hyun (2), David Chitayat (3), Karen Chong (1), Sarah Keating (3), Patrick Shannon (3), Elena Kolomietz (3) (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital, (3) Other

K2: Management of Interstitial Pregnancy

Ummi Habiba (1), Ally Murji (2), Atri Mostafa (3), Jacqueline Thomas (1) (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital, (3) Other

K3: Developing a Risk Score for Postpartum Thromboprophylaxis of Patients Undergoing a Caesarean Section

Joyce Lai (1), Isvarya Venu (1), Nadine Shehata (2), Shital Gandhi (2), Anne McLeod (3), Nusrat Zaffar (2), Ann Malinowski (4) (1) Other, (2) Mount Sinai Hospital, (3) Sunnybrook Health Sciences Centre, (4) Department of Obstetrics and Gynaecology, University of Toronto

K4: Predicting Maternal and Newborn Outcomes: Evaluating the Edmonton Obesity Staging System and Body Mass Index in the Assessment of Obese Pregnant Women

Leeann Bellamy (1), Mark Osmond (1), Cynthia Maxwell (2) (1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital

K5: "Surrounding endometrium sign" on ultrasound can Differentiate Eccentric Cornual Intra-uterine Pregnancies From Interstitial Ectopic Pregnancy

Allison Grant (1), Ally Murji (2), Atri Mostafa (1)
(1) Other, (2) Mount Sinai Hospital

K6: Peripartum Management of Anti-Coagulation Therapy: Assessing Variation in Practice

Sagar Rohailla (1), Shital Gandhi (2), Anne McLeod (3), Nadine Shehata (2), Ann Malinowski (4)
(1) St. Michael's Hospital, (2) Mount Sinai Hospital, (3) Sunnybrook Health Sciences Centre, (4) Department of Obstetrics and Gynaecology, University of Toronto



POSTER GROUP L

L1: In situ localization of matrix metalloproteinase expression and activity in the pregnant, labouring and post-partum rat myometrium

Tina Tu-Thu Nguyen, Oksana Shynlova, Stephen Lye
Lunenfeld-Tanenbaum Research Institute

L2: Mode of Delivery of Infants in Breech Presentation at Borderline Viability

Kirsten Niles (1), Jon Barrett (2), Ori Nevo (2), Nir Melamed (2), Howard Cohen (2), Anne Berndt (2), Dini Hui (2), Noor Ladhani (2)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Sunnybrook Health Sciences Centre

L3: The Likelihood of Change in Fetal Presentation during the Third Trimester in Twin Pregnancies

Jellena Wong (1), Hadar Rosen (1), Ori Nevo (2), Elizabeth Asztalos (2), Nir Melamed (2)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Sunnybrook Health Sciences Centre

L4: Preterm premature rupture of membranes in twin pregnancy: Comparison between PPROM in presenting versus non-presenting twin

Mark Osmond (1), Elad Mei-Dan (1), Susan Pak-

delivery and mechanisms of birth

enham (1), Eugene Ng (1), Green Jessica (1), Jon Barrett (2)

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

L5: Maternal Obesity Class as a Predictor of Induction Failure: a practical risk assessment tool

Stefania Ronzoni (1), Hadar Rosen (1), Nir Melamed (2), Shay Porat (3), Dan Farine (1), Cynthia Maxwell (4)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Sunnybrook Health Sciences Centre, (3) Other, (4) Mount Sinai Hospital

L6: The effect of red blood cell autoantibodies on pregnancy outcomes

Marie Coroneos (1), James Ahlin (2), Jon Barrett (3), Christine Cserti (4), Yulia Lin (3), Ann Malinowski (1), Katerina Pavenski (5), Nadine Shehata (6)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other, (3) Sunnybrook Health Sciences Centre, (4) University Health Network, (5) St. Michael's Hospital, (6) Mount Sinai Hospital

POSTER GROUP M

M1: Antiangiogenic VEGF Sticky-traps and Lasos: more than meets the eye

Sabiha Hacibekiroglu (1), Iacovos Michael (1), Peter Westenskow (2), Alissa Cohen Greenwald (1), Brian Ballios (2), Nikolaos Mitrousis (2), Toshihide Kurihara (2), Zhijie Li (2), Carmen Warren (2), Puzheng Zhang (1), Edith Aguilar (2), Laura Donaldson (2), Valentina Marchetti (2), Takeshi Baba (1), Samer Hussein (1), Hoon-Ki Sung (3), M Ireula-Arispe (1), James Rini (2), Derek van der Kooy (2), Molly Shoichet (2), Martin Friedlander (2), Andras Nagy (4)
(1) Lunenfeld-Tanenbaum Research Institute, (2) Other, (3) SickKids, (4) Department of Obstetrics and Gynaecology, University of Toronto

M2: Identification of A Tightly-Controlled, Highly-Activatable, Doxycycline-Inducible Genomic Locus

Qin Liang (1), Claudio Monetti (1), Iacovos Michael (2), Peter Tonge (3), Andras Nagy (4)
(1) Lunenfeld-Tanenbaum Research Institute, (2) Other, (3) University Health Network, (4) Department of Obstetrics and Gynaecology, University of Toronto

M3: Testing Xeno-Free Conditions for the Expansion of Human Umbilical Cord Perivascular cells (HUCPVC) using Immunophenotyping and in vitro Potency Assays

Matthew Librach (1), Peter Szaraz (2), Schreiber Pereira (2), Leila Maghen (2), Farwah Iqbal (2), Tanya Barretto (3), Katya Park (3), Andree Gauthier-Fisher (3), Clifford Librach (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Department of Physiology, University of Toronto, (3) Other

stem cells II

M4: First Trimester Human Umbilical Cord Perivascular Cells (HUCPVCs) in Cardiac Repair: ECM Processing, Cell Retention and Functional Improvement post-MI

Peter Szaraz (1), Shlomit Kenigsberg (2), Matthew Librach (3), Leila Maghen (2), Jun Wu (4), Shu-Hong Li, (4), Ren Ke Li (4), Clifford Librach (3), Andree Gauthier-Fisher (2)
(1) Department of Physiology, University of Toronto, (2) Other, (3) Department of Obstetrics and Gynaecology, University of Toronto, (4) University Health Network

M5: Human Umbilical Cord-derived Perivascular Cells (HUCPVCs) Expanded in Xeno-free Conditions Maintain their Angiogenic Properties

Joseph Fish (1), Peter Szaraz (1), Clifford Librach (2), (1) Other, (2) Department of Obstetrics and Gynaecology, University of Toronto

M6: Human Umbilical Cord-Derived Perivascular Cells Demonstrate Greater Angiogenic Potential than Term or Bone Marrow MSCs Using a Novel Aortic Ring Assay

Farwah Iqbal (1), Peter Szaraz (1), Andree Gauthier-Fisher (2), Clifford Librach (3)
(1) Department of Physiology, University of Toronto, (2) Other, (3) Department of Obstetrics and Gynaecology, University of Toronto



POSTER GROUP N*health care delivery***N1: Obstetric pharmacokinetic studies; are we prescribing without evidence?**

Gali Pariente (1), Tom Leibson (2), Gideon Koren (2)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) SickKids

N2: The Relationship Between Maternal Age and Knowledge of Prenatal Screening Options for Trisomy 21: A Pilot Study

Kira Bensimon (1), Amanda Selk (2)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital

N3: Predictors of Length of Stay after Vaginal Hysterectomy

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

N4: Dr. Internet: Trends of Internet Use by Gravid Patients to Access Pregnancy Related Information

Hadar Rosen (1), Adriana Dekirmendjian (2), Mahshid Mohseni (1), Dan Farine (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

N5: The Effect of an Early Pregnancy Centre on Surgical Intervention Rates Among Women with First Trimester Losses who use English as a Second Language

Lucy Dong Xuan Li, Melissa Tai, Jennifer Bordin
Department of Obstetrics and Gynaecology, University of Toronto

N6: Innovative Prenatal Care Partnerships for Medically Uninsured Pregnant Women

Ashley Raeside (1), Monika Dalmacio (2), Manavi Handa (2), Rachel Spitzer (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other

**POSTER GROUP O***gynaecology/
maternal-fetal medicine***O1: Perioperative Blood Loss and Transfusion Risk Factors During Abdominal Myomectomy: The Creation of a Standardized Clinical Pathway**

Lesley Hawkins, Helena Frecker, Deborah Robertson
Department of Obstetrics and Gynaecology, University of Toronto

O2: Clinical Outcomes following Office-based Ultrasound-guided Hysteroscopic Septum Resection in the Infertile Population

Sahaana Rangarajan (1), Basheer AlKudmani (1), Clifford Librach (1), Prati Sharma (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other



O3: The Role of Ethnicity in the Treatment of Uterine Fibroids with Ulipristal Acetate

Rebecca Crosier (1), Ally Murji (2), Jodi Shapiro (1), Wendy Wolfman (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital

O4: Awareness of Obstetrical Risk Associated with Advanced Maternal Age in Primiparous Women

Nicole Carpe (1), Amanda Selk (2)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Mount Sinai Hospital

O5: Antenatal Glucocorticoids lead to Multi-generational Programming of Behaviour via Paternal Transmission

Lucy Dong, Xuan Li, Melissa Tai, Jennifer Bordin
Department of Obstetrics and Gynaecology, University of Toronto

POSTER GROUP P

fertility II

P1: Fertility & Patient Satisfaction After Robotic Assisted Laparoscopic Myomectomy - A Canadian Perspective

Carmen McCaffrey (1), Sari Kives (2), Guylaine Lefebvre (1)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) St. Michael's Hospital

P2: Utility of AMH levels as a biomarker of fertility during IUI and IVF procedures

Chaula Mehta (1), Timothy Evangelista (2), Marjorie Dixon (3)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Other, (3) Sunnybrook Health Sciences Centre

P3: The effect of physical activity on oocyte quality and mitochondrial activity

Rosanne McQuaid (1), Taline Naranian (2), Igor Jurisica (3), Andrea Jurisicova (2)
(1) Department of Physiology, University of Toronto, (2) Lunenfeld-Tanenbaum Research Institute, (3) University Health Network

P4: Pdss2 Deficiency in Preimplantation Embryos Leads to Developmental Arrest

Kyunga Kim (1), Andrea Jurisicova (2), Assaf Ben-Meir (2)
(1) Department of Physiology, University of Toronto, (2) Lunenfeld-Tanenbaum Research Institute

P5: Comparison of Hysteroscopic Microinsert Tubal Occlusion with Laparoscopic Tubal Occlusion/Salpingectomy in Management of Hydrosalpinges Prior to IVF

Ritika Arora (1), Kevin Quach (2), Heather Shapiro (3), Kimberly Liu (3), Rebecca Arthur (3), Barbara Cruickshank (3), Ari Baratz (4), Karen Glass (3), Prati Sharma (2), Clifford Librach (3), Ellen Greenblatt (3)
(1) Mount Sinai Hospital, (2) Other, (3) Department of Obstetrics and Gynaecology, University of Toronto, (4) Women's College Hospital

P6: Polycystic Ovary Syndrome and Recurrent Early Pregnancy Loss – A Canadian Perspective

Akanksha Kulshreshtha
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 and we thank Dean Trevor Young (pictured on the left) for attending the award ceremony, alongside Mark Yudin and Steve Lye.

Clinical Fellow:

Anat Herscu Klement, (Supervisor: Robert Casper), Fredric Mitri, Alida Pokoradi, Yaakov Bentov, Paul Chang, Dan Nayot, Anne McLeod

Coagulopathy as a predisposing factor to endometriosis: Evidence from a bleeding questionnaire

Claire Jones, (Supervisor: Howard Berger), Sharon Adams, Louisa Loizides, Meredith Hood

The Effect of Antenatal Corticosteroids on the Fetal Thymus



Post-Doctoral Fellow:

Premalatha Shathasivam, (Supervisor: Theodore Brown), Alexandra Kollara, Maurice Ringuette, Carl Virtanen, Jeffrey Wrana

VEPH1 Impedes SMAD2 Release from TGF- β Receptor I to Inhibit TGF- β Signaling

Resident:

Julie Nguyen, (Supervisor: Lilian Gien), Geneviève Bouchard-Fortier, Marcus Bernardini, Guangming Han

Uterine Clear Cell Carcinoma: Does Adjuvant Chemotherapy Improve Outcomes?

Graduate Student:

Kyunga Kim, (Supervisor: Andrea Jurisicova), Assaf Ben-Meir

Pdss2 Deficiency in Preimplantation Embryos Leads to Developmental Arrest

Medical/Undergraduate Student:

Ashley Raeside, (Supervisor: Rachel Spitzer), Monika Dalmacio, Manavi Handa

Innovative Prenatal Care Partnerships for Medically Uninsured Pregnant Women

Jennifer Power, (Supervisor: Clifford Librach), Arshia Azizeddin, Shlomit Kenigsberg

Presence of Luteinizing Hormone Receptor in Exosomes Isolated from Human Follicular Fluid: A Potential Mechanism to Regulate Follicular LH Signaling





FACULTY DEVELOPMENT

FACULTY DEVELOPMENT UPDATE

Life-Long Learning – Strategic Plan Priority

The 2014-2015 academic year demonstrated an increased activity with regards to faculty development events in our department. As part of our department's strategic plan 2014-2018, strengthening the life-long learning community amongst faculty and alumni has been recognized as a major priority. Some of the projects, which have been emphasized in this plan, include the promotion of education scholarship and research, encouragement of promotion based on excellence in teaching and creative professional activity in education, provision of faculty development to facilitate implementation of curricular changes, creation of a collaborative environment regarding planning of CPD events in the Greater Toronto Area and beyond, and exploration of faculty mentorship and wellness models.



Competency Based Education Retreat

On June 19, 2015, the department's CBME Working Group and Postgraduate Medical Education Committee in collaboration with the Faculty Professional Development Committee, hosted its first CBME Retreat. The objectives of this retreat were to provide information about CBME to the faculty, obtain feedback and advice from faculty members on advancing CBME, and review data from faculty and resident experiences related to the 2014-15 CBME innovations. Dr. Heather Shapiro gave a personal reflection regarding CBME implementation and discussed the gap between the theory and practice of CBME. Our guest speaker, Dr. Sue Takahashi-Glover, gave a review of the basics of CBME, and Dr. Nicolette Caccia presented the results of the CBME pilot project and faculty needs assessment. This retreat gave the faculty participants an opportunity to work in small groups to identify challenges as well as possible solutions related to CBME implementation in our residency program.

The Faculty Professional Development Committee will continue to serve the needs of the department by seeking input from individual faculty members as well as education program leaders regarding their faculty development needs and respond with relevant, practical and timely educational events.

FACULTY PROFESSIONAL DEVELOPMENT DAY 2014

The 2014 Faculty Professional Development Day entitled “Innovation in Medical Education: Embrace the Change – Transform the Culture,” took place on November 11, 2014 at Vaughan Estates, and was attended by 92 faculty members. The program was designed to highlight some innovative developments in the medical education landscape and emphasize the need for faculty members to be receptive to exploring new approaches, reflective in their teaching methods, adaptive to change and accepting of the challenges associated with cultural transformation.

The program objectives included:

- » Describe the changes occurring in health professional curricula with respect to competency based medical education and longitudinal integrated clinical clerkships.
- » Explore opportunities for career advancement with respect to academic promotion and successfully obtaining research funding
- » Recognize the impact of adverse events on health care providers and develop a culture that promotes health and wellness for health care providers.
- » Recognize how reflective practice can impact medical education.



Presentations:

Dr. Brian Hodges delivered the plenary session entitled “(Trans)formation: Learners, teachers, and the 21st Century health professional curricula.” This talk briefly explored the history of models of competence and then examined three domains that are likely to require specific attention in the 21st century - knowledge and its evolution, skills and the ability to perform, and identity and the ability to work in teams. The plenary session was then followed by a series of workshops, listed below:

Dr. Nicolette Caccia gave a workshop entitled “Assessment in Competency-Based Medical Education (CBME)” designed to help faculty members gain knowledge of the basic principles and assessment tools of CBME and the utility of these tools in summative and/or formative assessment.

Drs. Ted Brown and Kellie Murphy gave a workshop entitled “Key Strategies Towards Successful Grant Writing” designed to provide participants with a basic approach to research grant writing and strategies for success in today’s competitive environment.

Drs. Rajiv Shah and Stacey Bernstein gave a workshop entitled “A New Frontier in the Clerkship Year: Launching an Integrated Clerkship at UofT” designed to equip faculty members with an understanding of the longitudinal integrated clerkship and how it applies to Obstetrics and Gynaecology training.

Drs. Richard Pittini and Filomena Meffe gave a workshop entitled “The Pathway to Promotion Based on Excellence in Education” designed to assist those faculty members planning to apply for promotion to Associate and Full Professor on the basis of excellence in education.

Dr. Amy Nakajima gave a workshop entitled “The Second Victim: Running the Gauntlet” to help faculty members recognize the impact of adverse events on health care providers and develop a culture that promotes health and wellness for health care providers.

The key-note lecture was given by Dr. Stella Ng, research director of the Centre for Faculty Development, entitled “Blurring the Lines: Learning from Practice to Inform Education,” which discussed how we learn from practice to inform education.

Presentations of awards and promotions occurred at the end of the day while participants enjoyed a selection of wine and cheese. The overall rating for the event was 4 out of 5, with participants commenting on the excellence in format, improvement in interactivity, relevance of topics, and effective program balance. Participants’ responses to our raffle question regarding a name for our committee resulted in:

Faculty Professional Development Committee.

Many thanks to those who participated!





GRADUATION CEREMONY & ALUMNI EVENT

2014-2015 GRADUATING CLASS

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

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

Advanced High Risk Obstetrics

Nirmala Chandrasekaran, Gali Pariente

Advanced Obstetrics

Stefania Ronzoni

Advanced Obstetrics

Rania Okby, Hadar Rosen

Gynaecologic Reproductive Endocrinology & Infertility*

Crystal Chan, Claire Jones, Nicole Paterson

Gynaecologic Endoscopy

Priya Sharma

Gynaecologic Oncology*

Ruaidhri McVey

Maternal-Fetal Medicine*

Hythem Al-Sum, Ryan Hodges, Tiffany Hunter, Lawrence Koby, Elad Mei-Dan, Anne-Maude Morency, Mark Osmond, Karen Wou

Mature Women's Health & Menopause

Michelle Jacobson, Kelsey Mills

Minimally Invasive Gynaecologic Surgery

Heinrich Husslein, Lindsay Shirreff

Paediatric & Adolescent Gynaecology

Ian Comeau

Reproductive Sciences

Lucy-Ann Behan, Anat Klement, Frederic Mitri, Amir Weintraub

Reproductive Sciences & Infertility

Basheer Al-Kudmani, Tal Lazer

Urogynaecology & Reconstructive Pelvic Surgery

Elham Bamanie, Ashraf Dawood, Yvonne Leong, Salomon Zebede

Urogynaecology

Petrus Kruger



*Royal College of Physicians and Surgeons of Canada accredited

Congratulations to our OBGYN Resident Graduating Class of 2015:

*Kimberly Bremer
Amanda Cipolla
Paulina Cybulska
Courtney Jolliffe
Genevieve Lennox
Brian Liu
Karli Mayo
Heather Millar
Stephen Morris
Muhseen Yusuf*



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

Awards

Resident Award for Excellence in Clerkship Teaching (PGY3) -
Carmen McCaffrey

Resident Award for Excellence in Clerkship Teaching (PGY4) -
Andrea Simpson

Resident Award for Excellence in Clerkship Teaching (PGY5) -
Amanda Cipolla

Dr. Frederick R. Papsin Postgraduate Award -
Amanda Cipolla and **Heather Millar**

American Association of Gynaecologic Laparoscopists (AAGL) Award -
Stephen Morris

Faculty Awards

CREOG National Faculty Award for Excellence in Resident Education -
Matthew Morton

Neelam Sierra Resident Advocacy Award -
Deborah Robertson



SIGNIFICANT HONOURS & AWARDS

2014-2015 DEPARTMENT AWARDS

Chair's Awards

Tatiana Freire-Lizama	Excellence in Undergraduate Teaching
Wendy Whittle	Excellence in Postgraduate Teaching
Sabrina Lee	Excellence in Integrated Undergraduate Education
Wendy Whittle	Excellence in Integrated Postgraduate Education
Modupe Tunde-Byass	Excellence in Postgraduate Program Development/Innovation
Ally Murji	Outstanding Research Potential
Clifford Librach	Sustained Excellence in Research
Theodore Brown	Excellence in Research Facilitation
Nicolette Caccia	Excellence in Postgraduate Program Development and Innovation
Johannes Keunen	Excellence in Continuing Medical Education Teaching
Michele Farrugia	Excellence in Continuing Medical Education Course Coordination

Awards for Undergraduate Teaching Excellence

Carol Wade	Credit Valley Hospital
Kelly Chu	Mississauga Hospital
Elyse Levinsky	Mount Sinai Hospital
Michael Sved	Mount Sinai Hospital
Karthika Devarajan	North York General Hospital
Janet Bodley	Sunnybrook Health Sciences Centre
Adelmo Martoglio	St. Michael's Hospital
Alice Pham	St. Joseph's Health Centre
Roberta Mackenzie	Toronto East General Hospital

Master Teacher Award

Adelmo Martoglio

EXTERNAL HONOURS AND AWARDS

Faculty Awards

Elyse Lackie

Regional Professional Development Grant
Royal College of Physicians and Surgeons of Canada

Andras Nagy

Canada Research Chair in Stem Cells and Regeneration - Tier 1 (renewal)
Government of Canada

Deborah Robertson

Paul McLeary Award for Education promotion in our department, June 2015
St. Michael's Hospital, Department Ob/Gyn

Staff Awards

Caroline Sutherland

Lois Ross CAIR Award for Service to Residents
February 2015



TRAINEE AWARDS

Mahmoud Arabi

Travel Award
Society of Male Reproduction and Urology, ASRM
October 2014

Arshia Azzizedan

Travel Award for Best Basic Science Abstract
Canadian Fertility and Andrology Society
September 2014

Buddy Bao

Summer Undergraduate Research Program Award
University of Toronto
May 2015 - August 2015

Bahar Behrouzi

D+H SRI Summer Student Research Program Award
Sunnybrook Research Institute
May 2014 - August 2014

Michael Chaikof

Best Clinical Abstract Award
Canadian Fertility and Andrology Society
September 2014

Nikki Legro

Summer Undergraduate Research Program Award
Institute of Medical Science
May 2014 - August 2014

Alexandra Lucato

Ted Rogers Centre for Heart Research Scholar Award
University of Toronto
May 2015 - August 2015

Prem Nichani

D+H SRI Summer Student Research Program Award
Sunnybrook Research Institute
May 2015 - August 2015

Russell Yanofsky

Ted Rogers Centre for Heart Research Scholar Award
University of Toronto
May 2015 - August 2015



RESEARCH GRANTS AND INVESTIGATIONS

PEER-REVIEWED GRANTS

Over \$10,000

PI=Principal Investigator

Anthes M (PI), **Jumah NA**, Curiel L. [MR-HIFU Training Workshop](#). Northern Ontario Academic Medical Association Clinical Innovation Opportunities Fund. \$33,555. April 2014 – March 2016.

Baker A (PI), **Librach CL** (Co-PI). [Human umbilical cord perivascular cell \(HUCPVC\) therapy for traumatic brain injury: targeting the neurovascular unit](#). Physicians Services Incorporated (PSI). \$160,500. June 2015 – May 2017.

Balki M, Cook ME, **Windrim R**. [High-fidelity simulation to assess interprofessional teamwork in obstetric crisis management](#). Ontario AHSC AFP Innovation Funds. \$124,437. June 2013 – May 2015.

Barbera L, **Gien LT**. [Vulvar Carcinoma: a Population-Based Analysis](#). Ontario Institute for Cancer Research (OICR)/Cancer Care Ontario (CCO) Health Services Research (HSR) Program. \$25,971. 2013-2014.

Bassett A (PI), Chitayat D, Keating S, **Kingdom J**, **Lye S**, Silversides C, Marshall C, Costain G, Bulman D, Chakraborty P. [Genomic screening as a window on the developing fetus, newborn and beyond](#). Accelerator Grant, McLaughlin Centre, University of Toronto. \$97,500. July 2014 – June 2015.

Berger H (Co-PI), Feig D (Co-PI), Lipscombe L (Co-PI) **Bocking A**, Birken C, Maguire J, Halperin I,

Mukerji G, **Melamed N**, Wolfs M. [BBDC Diabetes in Pregnancy Cohort Study](#). Banting and Best Diabetes Centre (BBDC). \$247,208. April 2015 – March 2017.



Bernardini MQ (PI), **Ferguson S**, **Rosen B**, **Dodge J**, **Laframboise S**. [GOC 2 - A Prospective Study Evaluating Surgical and Quality of Life Outcomes in Robotics and Laparoscopy Compared to Laparotomy in Early Stage Endometrial Cancer](#). University of Toronto - McArthur Fund. University of Toronto - Division of Gynaecologic Oncology. \$80,000. January 2013 – January 2015.

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

Bloom J (PI), **Murphy J** (Co-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. 2008 – 2015.

Brown T (PI). [Novel functions of nuclear receptor coactivator 4 at the mitotic apparatus](#). Natural Sciences and Engineering Research Council of Canada (NSERC). Discovery Grant. \$150,000. April 2011 - April 2016.

Brown T (PI), **Rosen B** (PI), **Allen L**, **Bernardini MQ**, Colgan T, **Ferguson SE**, **Greenblatt E**, **Murphy J**, Tone A, Virtanen C. [Sustained ovulation-associated inflammatory signaling in fallopian tube epithelium as a predisposing factor of serous carcinoma](#). Canadian Institutes of Health Research (CIHR). \$483,753. September 2013 – August 2016.

Burchell A (PI), Loutfy MR, **Yudin MH**. [Improving access for Papanicolaou testing for women with HIV through nursing scope optimization: a pilot project](#). Women's College Hospital, Innovation Funds Grant. \$30,000. 2015 – 2016.

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. July 2012 – September 2014.

Caniggia I (PI), Bhattacharjee J. The role of Mcl-1 in regulating placental cell fate. Canadian Institutes of Health Research (CIHR) HOPE-Scholarship. \$64,000. September 2011 – August 2015.

Caniggia I (PI), **Nevo O**, Post M. The role of Bcl-2 family members in regulating placental cell fate. Canadian Institutes of Health Research (CIHR) Operating Grant. \$795,820. April 2014 – March 2019.

Caniggia I (PI). The Dynamic Role of the Oxygen/TGF β Axis in Regulating Sphingolipid Metabolism during Placental Development. Natural Sciences and Engineering Research Council (NSERC) Discovery Grant. \$150,000. April 2015 – March 2020.

Carpenter C (PI), Cu-Uvin S, Omenge E, **Christoffersen-Deb A**, Itsura P. Leaping Ahead: “See and Leep” Training for Primary Care Providers in Kenya. National Institute of Allergy and Infectious Diseases (NIAID), CFAR Supplement. \$293,078 USD. August 2014 – July 2015.



Casper RF (PI), **Juriscova A**. Characterization of the bioenergetics and metabolic function of mitochondria isolated from oocyte precursor stem cells. Canadian Institutes of Health Research (CIHR), Operating Grant: Industry-partnered Collaborative Research. \$911,700. April 2015 – March 2020.

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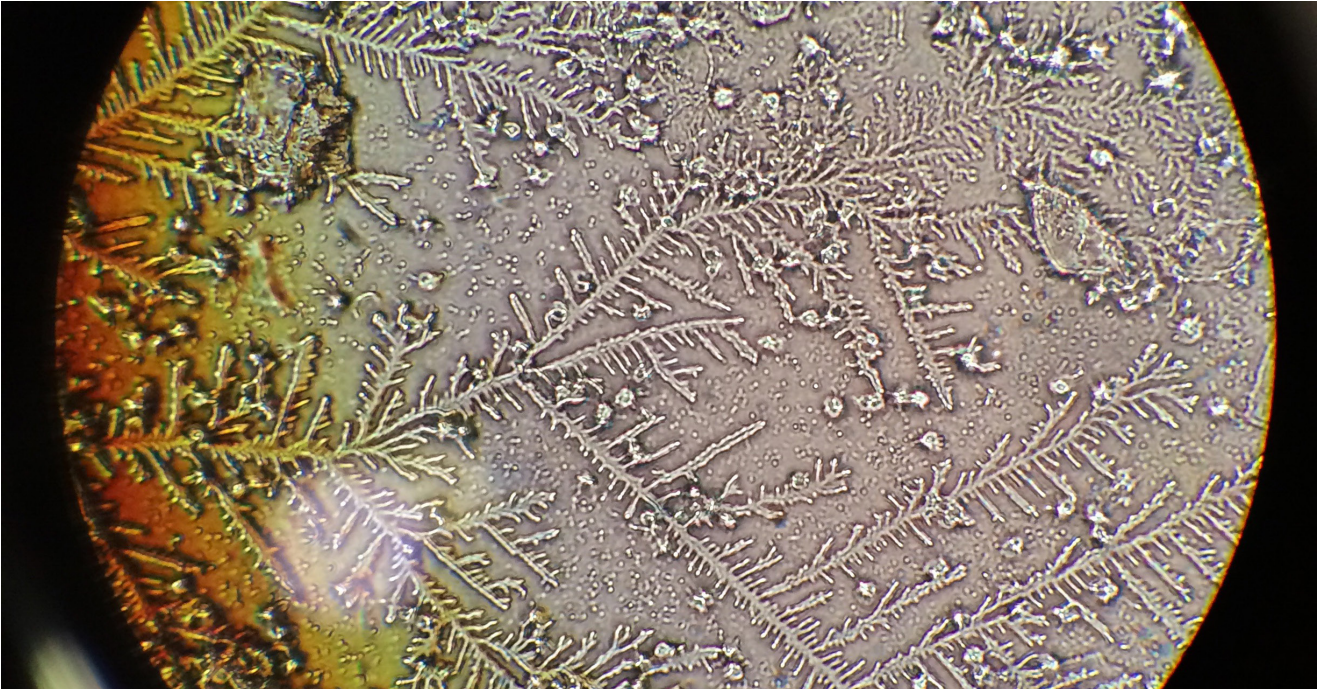
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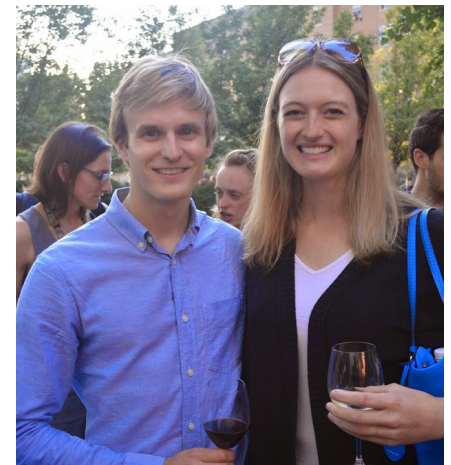
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INVITED LECTURES AND VISITING PROFESSORSHIPS

INTERNATIONAL

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Casper RF. Patient Experience with the AUGMENT(SM) Treatment. ESHRE Symposium. Lisbon, Lisboa, Portugal, 14 June 2015.

Casper RF. Autologous mitochondrial injection to increase energy in oocytes. 21st COGI Congress: Innovation in Reproductive Medicine Controversies in Obstetrics and Gynecology. Frankfurt, Germany, 15 May 2015.

Casper RF. Mitochondrial nutrients to energize old eggs. Middle East Fertility Society (MEFS) 21st Annual Meeting. Abu Dhabi, United Arab Emirates, 26 September 2014.

Casper RF. Update of letrozole versus clomiphene for ovulation induction. Middle East Fertility Society (MEFS) 21st Annual Meeting. Abu Dhabi, United Arab Emirates, 26 September 2014.

Casper RF. Present and future uses of umbilical cord blood cells. Middle East Fertility Society (MEFS) 21st Annual Meeting. Abu Dhabi, United Arab Emirates, 26 September 2014.

D'Souza R. Common Curriculum for ObMed and MFM Fellows; Educational Webinars for ObMed Physicians. ISOM/NASOM. New Orleans, LA, USA, 26 October 2014.

Drutz H. IUGA at 40. 40th ACM IUGA, Nice, France, June 2015.

Drutz H. Urogynecology in Canada: Where did it come from? Where is it at? Where does it need to go? Western Society of Pelvic Medicine (WSPM) Annual spring meeting, Calgary, AB, Canada, April 2015.

Farine D. Progesterone for the Prevention of Preterm Birth, What is New? 31st International Congress - Fetus as a Patient, Sankt-Peterburg, Russian Federation, 10 June 2015.

Farine D. An Overview of the Prevention and Management of PPH. 31st International Congress - Fetus as a Patient, Sankt-Peterburg, Russian Federation, 10 June 2015.

Farine D. Human Genome, Is it Time to Test Your Personal Genome? 31st International Congress - Fetus as a Patient, Sankt-Peterburg, Russian Federation, 10 June 2015.

Farine D. Auscultation in Labour is the Recommended Technique by ACOG, RCOG and SOGC while 90% are Monitored Electronically, Why? The 21st World Congress on Controversies in Obstetrics, Gynecology & Infertility (COGI), Guilin, China, 7 May 2015.

Farine D. Guidelines on Progesterone and What is New. The 21st World Congress on Controversies in Obstetrics, Gynecology & Infertility (COGI), Guilin, China, 7 May 2015.

Farine D. Obesity in Pregnancy and Labour. The 21st World Congress on Controversies in Obstetrics, Gynecology & Infertility (COGI), Guilin, China, 7 May 2015.

Farine D. Already Brain Damaged Upon Admission: Can we Diagnose? The 21st World Congress on Controversies in Obstetrics, Gynecology & Infertility (COGI), Guilin, China, 7 May 2015.

Farine D. Delivery in the Morbid Obese Patient. Birth - Clinical Challenges in Labour and Delivery, Fortaleza, Taiwan, Province Of China, 7 March 2015.

Farine D. Should An Admission NST/CTG be Performed on all Patients? Birth - Clinical Challenges in Labour and Delivery, Fortaleza, Brazil, 6 March 2015.

Farine D. When Does the Active Phase of Labour Begin - and do we Really Know When it Ends? Birth - Clinical Challenges in Labour and Delivery, Fortaleza, Brazil, 5 March 2015.

Farine D. Fetal Movements Why Bother? Cornell Medical School, New York, NY, USA, 26 Jan 2015.

Farine D. Guidelines on Progesterone and What is New. The 20th World Congress on Controversies in Obstetrics, Gynecology & Infertility, Paris, France, 6 December 2014.

Farine D. Systematic Issues in the Prevention and Management of PPH. The 20th World Congress on Controversies in Obstetrics, Gynecology & Infertility, Paris, France, 6 December 2014.

Farine D. Selecting the First Line Drug for Prevention of PPH (Carbetocin). The 20th World Congress on Controversies in Obstetrics, Gynecology & Infertility, Paris, France, 6 December 2014.

Farine D. Management of Triplets Pregnancy. The 20th World Congress on Controversies in Obstetrics, Gynecology & Infertility, Paris, France, 6 December 2014.

Farine D. Confrontation of Guidelines and Diagnosis Canada vs. Europe: Follow-up after CMV Diagnosis - Canadian Guidelines. The 20th World Congress on Controversies in Obstetrics, Gynecology & Infertility, Paris, France, 6 December 2014.

Farine D. Already Brain Damaged Upon Admission: Can we Diagnose? The 20th World Congress on Controversies in Obstetrics, Gynecology & Infertility, Paris, France, 6 December 2014.

Farine D. Auscultation in Labour is the Recommended Technique by ACOG, RCOG and SOGC while 90% are Monitored Electronically, Why? The 20th World Congress on Controversies in Obstetrics, Gynecology & Infertility, Paris, France, 5 December 2014.

Farine D. Optimal Delivery Mode of the Second Twin. Twins 2014, The Joint 3rd World Congress on Twin Pregnancy and 15th Congress of the International Society of Twins Studies (ISTS), Budapest, Hungary, 18 November 2014.

Farine D. Progress of Labour: A New Ultrasound Approach. 5th Biannual National Congress, Hellenic Society for Ultrasound in Ob/Gyn, Athens, Greece, 15 November 2014.

Farine D. Decreased Fetal Movements in Pregnancy: Is Ultrasound the Key for Management. 5th Biannual National Congress, Hellenic Society for Ultrasound in Ob/Gyn, Athens, Greece, 14 November 2014.

Farine D. Therapeutic Decision in the Management of PPH. 8th World Congress of Perinatal Medicine in Developing Countries, Cancun, Mexico, 6 September 2014.

Farine D. Monitoring Fetal Movements. 8th World Congress of Perinatal Medicine in Developing Countries, Cancun, Mexico, 5 September 2014.

Farine D. The Optimal Caesarean Section Rate. 8th World Congress of Perinatal Medicine in Developing Countries, Cancun, Mexico, 4 September 2014.

Farine D. The Impact of Nutrition about the Adult's Health. 8th World Congress of Perinatal Medicine in Developing Countries, Cancun, Mexico, 3 September 2014.

Gien LT, Deng W, Thomas G. Examining the Paradigm for Testing Systemic Therapies in Recurrent and Advanced Cervical Cancers. NRG Oncology/ Gynecologic Oncology Group (GOG) Semi-Annual Meeting, Symposium, San Diego, CA, USA, 5 February 2015.

Kingdom J. Trophoblast-derived exosomes and heparin: endothelial cell function in-vitro and in-vivo. Magee-Womens Research Institute/University of Pittsburgh, Tox Talx XIII. Mill Valley, CA, USA, 30 June 2015.

Kingdom J. Is Screening for "Placental Health" a Realistic Goal in Obstetrics? Integrative and Global Approaches in Reproductive Sciences C. S. Wayne State University and University of Toronto Joint Scientific Retreat. Detroit, MI, USA, 29 April 2015.

Lye SJ. Early Child Development. Institute of Medicine Forum – Financing Investments in Young Children Globally, Delhi, India, 25-29 August 2014.

Lye SJ. Maternal Peripheral Immune Cell Activation and Preterm Birth. March of Dimes – Burroughs Wellcome Fund 5th Biennial Symposium entitled Preventing Prematurity: Establishing a Network for Innovation and Discovery, Newport Beach, CA, USA, 7-9 December 2014.

Lye SJ. The Importance of the 1st 2000 Days to a Child's Life-long Health and Wellbeing. Aga Khan University, Nairobi, Kenya, Keynote Speaker, 10-16 February 2015.

Lye SJ. Molecular Mechanism Underlying Initiation of Labour. Society for Reproductive Investigation Annual Meeting, San Francisco, CA, USA, 25-28 March 2015.

Maxwell C. Maternal Conditions Affecting Pregnancy Outcomes: Cancer in Pregnancy. Review of clinical management and evidence for treating pregnant women with cancer diagnosed during gestation. ENTIS-OTIS (European Network of Teratology Information Services & Organization of Teratology Information Specialists), Toronto, ON, Canada, 21 September 2014.

Moskovtsev S. Laboratory evaluation of male fertility. Mott Center Scientific Retreat, Wayne State University, Detroit, MI, USA, 25 August 2014.

Okun N. Clinical Considerations for incorporating NIPT into your practice. The 21st World Congress on Controversies in Obstetrics, Gynecology & Infertility (COGI), Guilin, China, May 2015.

Okun N. A Cost Analysis of incorporating Non-invasive Prenatal Screening into Public Health Systems. International Society for Ultrasound in Obstetrics and Gynecology, Barcelona, Spain, 13 September 2014.

Okun N. ART and obstetrical outcomes: An update. 4th Chinese Congress of Fetal Medicine, Shanghai 1st Maternity and Infant Hospital of Tongji University, Shanghai, China, July 2014.

Okun N. Prenatal Screening/Diagnosis in 2014: The Ontario experience of NIPT. 4th Chinese Congress of Fetal Medicine, Shanghai 1st Maternity and Infant Hospital of Tongji University, Shanghai, China, July 2014.

Pairaudeau NVJ. Bethune Lectures in China 2014: C section after 45 years; The Maternal New Born Program at North York General Hospital; Why a Robot; The Surgical Check list 2014; Hysteroscopy complications and how to avoid them; MIS complications. Yinkou Development Hospital, Liaoning Province, China, 2-3 June 2015.

Pairaudeau NVJ. Bethune Lectures in China 2014: C section after 45 years; The Maternal New Born Program at North York General Hospital; Why a Robot; The Surgical Check list 2014; Hysteroscopy complications and how to avoid them; MIS complications. Zigong First Peoples Hospital, Sichuan Province, China, 3-5 June 2015.

Pairaudeau NVJ. Bethune Lectures in China 2014: C section after 45 years; The Maternal New Born Program at North York General Hospital; Why a Robot; The Surgical Check list 2014; Hysteroscopy complications and how to avoid them; MIS complications. Xian, Shanxi Province, China, 6-8 June 2015.

Pairaudeau NVJ. Bethune Lectures in China 2014: C section after 45 years; The Maternal New Born Program at North York General Hospital; Why a Robot; The Surgical Check list 2014; Hysteroscopy complications and how to avoid them; MIS complications. Beijing Ditan Hospital, Beijing, China, 9-10 June 2015.

Ritchie JWK. Obstetric complications 24th Asian and Oceanic Congress of Obstetrics and Gynaecology, Kuching, Malaysia, 6 June 2015.

Rosen B. Quality Diagnosis and Treatment: Doing the Right Things Right. World Cancer Day - Canadian Partnership Against Cancer (CPAC). Toronto, ON, Canada, 4 February 2015.

Ryan G. Fetal Genitourinary Disease including diagnosis, evaluation, treatment (shunt, cystoscopy, open) and amniocentesis. CHOP, Cincinnati, OH, USA, 25 February 2015.

Ryan G. Stage 1 TTTS - To Treat or not to Treat; Minimally Invasive Fetal Therapy. Fetal Care Symposium - Washington University in St. Louis, St. Louis, MI, USA, 7 November 2014.

Ryan G. TTTS: Diagnosis to prenatal management; Fetal Therapy; Complication of MC twins. Royal Hospital for Women, Department of Women's & Children's Health, University of New South Wales, Sydney, NSW, Australia, 5 August 2014.

Ryan G. Sacroccocygeal tumors; Fetal Diagnostic Unit; Fetal shunts (urinary and chest); Introduction to the VFTS. TAPS, Complicated monochorionic twins; Fetal Diagnostic Day. Monash University, Melbourne, VIC, Australia, 31 July 2014.

Ryan G. ISPD; Monochorionic twins; TTTS: Diagnosis to prenatal management; Prenatal diagnosis and fetal therapy for thoracic anomalies. 18th International Conference on Prenatal Diagnosis and Therapy, Brisbane, QLD, Australia, 20-23 July, 2014.

Ryan G, Papanna R, Galan HL. LUTO Debate "Vesicoamniotic shunt for lower urinary tract obstruction". 35th SMFM Annual Meeting (Feb 2-7, 2015). San Diego, CA, USA, 4 February 2015.

Shynlova O. Alteration of Extracellular Matrix Metabolism: Potential Role in the Pathophysiology of Pelvic Organ Prolapse. International Urogynecological Association 39th Annual Meeting, Basic Science Roundtable, Washington, USA, 22-26 July 2014.

Shynlova O. Linking myometrial mechanotransduction, the immune system and the initiation of labour. Mechanotransduction of the Reproductive Tract Meeting, The Campion Fund of the Phyllis and Mark Lepert Foundation for Fertility Research, Duke University, Durham, NC, USA, October 15, 2014.

Ternamian A. Litigation in Endoscopic Surgery: Negligent and Non-Negligent Surgery. The Annual Congress of the European Society for Gynaecological Endoscopy, Brussels, Belgium, 24-27 September 2014.

Ternamian A. The Hands on Simulation Hysteroscopy course. 43rd AAGL Global Congress of Minimally Invasive Gynecology. Vancouver, BC, Canada, 17-21 November 2015.

Ternamian A. Risk Management in Endoscopic Surgery and Total Laparoscopic Hysterectomy, Safe Peritoneal Entry. Gynecological Endoscopic and Reproductive Medicine Course, University of Kiel, Department of Obstetrics and Gynecology, Kiel, Germany, 2-13 May 2015.

Ternamian A. Safe Laparoscopic Peritoneal Entry: The Canadian Practice Guideline, Fundamentals of Total Laparoscopic Hysterectomy, Risk Management in Operative Hysteroscopy, Urologic Complications in Endoscopy. Hands on suturing & Hysteroscopy course, Alexea Endoscopy Teaching Center, Alexandria, Egypt, 31 May – 4 June 2015.

Vicus D. Mucosal melanoma. NRG Oncology semi-annual meeting Rare Tumour Committee, San Diego, CA, USA, 2014.

NATIONAL

Berger H. Workshop: Dilemmas in pregnancy and diabetes. 2015 SOGC Annual Clinical Meeting, Quebec City, QC, Canada, 10 June 2015.

Casper RF. Autologous mitochondrial injection to increase energy in oocytes. 4th Canadian Embryology Summit, Toronto, ON, Canada, 30 May 2015.

Ferguson S. Universal Screening for Lynch Syndrome in Women with Endometrial and Non-Serous Ovarian Cancer. Terry Fox Research Institute C4 In-Person Investigator Meeting, Toronto, ON, Canada, 10 December 2014.

Keunen J. Fetal Well Being Assessment. Obstetric Ultrasound: Setting the Standard for 2015, Toronto, ON, Canada, February 2015.

Kroft J. Surgical Management of Endometriosis. Society of Minimally Invasive Gynaecology, Association of Professors of Obstetrics and Gynaecology of Canada, 3 December 2014.

Lye SJ. Maternal Immune Cells: Mediators of Reproductive Function and Tools to Monitor Pregnancy Health. Canadian National Perinatal Research Meeting, Montebello, QC, Canada, 24-27 February 2015.

Malinowski AK. Prenatal Diagnosis in Context of Sickle Cell Disease. Sickle Cell Disease Association of Canada and Canadian Haemoglobinopathy Association (CanHaem), Toronto, ON, Canada, 20 September 2014.

Maxwell C. CAG CPG for the Management of Inflammatory Bowel Disease in Pregnancy "Issues during Delivery for Pregnant Women with IBD." Canadian Association of Gastroenterology, Toronto, ON, Canada, 27 March 2015.

Moskovtsev S. Laboratory evaluation of male fertility: learning from the basic science. Centre de Recherche en Biologie de la Reproduction Réseau Québécois en Reproduction, Laval Université, Québec City, Québec, Canada, 29 May, 2015.

Robertson D. Vulvar Health Everything you need to know to survive in clinic. Annual SOGC Meeting, Quebec City, QC, Canada, June 2015.

Robertson D. Chirurgies cosmétiques vulvaires les controverses (French presentation). SOGC Quebec CME, Quebec City, QC, Canada, October 2014.

Selk A. CIN 1; Where to Biopsy. Society of Obstetrics and Gynecology 71st Annual Clinical & Scientific Conference, Quebec, City, QC, Canada, 9 June 2015.

Yudin MH. Vaccinating to protect mother and child: is there a Canadian-made strategy? Concurrent session: vaccine research and development. Canadian Immunization Conference (CIC) 2014, Ottawa, ON, Canada, 2 December 2014.

LOCAL

Allen L. Torsion of the Ovaries and Ovarian Cysts. Annual NYGH Sheila Cohen & OBGYN Clinic Morning. North York General Hospital, Toronto, ON, Canada, 26 May 2015.

Allen L, Kives S. Management of the Large cyst in PAG Patients and Related Controversies. Pediatric Gynecology Rounds. SickKids, Toronto, ON, Canada, 25 June 2015.

Berger H. Riding the wave (form) – a practical guide for doppler assessment in low and high risk pregnancies. Grand Rounds, Royal Victoria Regional Health Centre, Barrie, ON, Canada, 4 June 2015.

Berger H. Adopting the FIGO initiative for a unified approach to the diagnosis of GDM. UofT DIPSG Rounds, ON, Canada, 13 May 2015.

Berger H. New GDM Criteria. Grand Rounds, Toronto East General Hospital, ON, Canada, 29 April 2015.

Berger H. NIPT shall replace Ultrasound in Obstetric Care. 18th Annual Obstetric Ultrasound: Setting the Standard for 2015 Conference, ON, Canada, 21 February 2015.

Berger H. The impact of the new CDA screening guidelines on practices and incidence of GDM in Canada. UofT DIPSG Rounds, ON, Canada, 14 January 2015.

Berger H. Management of GDM - Fetal surveillance, timing and mode of delivery. ON CME 2014 SOGC, Toronto, ON, Canada, 5 December 2014.

Berger H. NIPT and second trimester ultrasound-companions or competitors? SOGT, Toronto, ON, Canada, 25 November 2014.

Cheng MML. Abnormal bleeding – Diagnosis and Management. OBS/GYN Update, The Scarborough Hospital, Scarborough, ON, Canada, 28 February 2015.

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

D'Souza R. Using Decision Analysis to Determine the Optimal Method of Anticoagulation in Pregnant Women with Mechanical Heart Valves. THETA Monthly Student Rounds, University Of Toronto. Toronto, ON, Canada, 7 May 2015.

D'Souza R. Supporting Decision-Making in High Risk Pregnancies Through Decision Analysis. UofT iHPME Research Day. Toronto, ON, Canada, 6 May 2015.

D'Souza R. Pregnancy Associated Hypertension, Prematurity, Intrauterine Growth Restriction/Low Birth Weight, Obstetrical Complications. Fusion Week lecture Series, University of Toronto, Toronto, ON, Canada, 10 April 2015.

D'Souza R. Transition in Practice: Academic Career Development. Obstetrics and Gynaecology Resident Retreat 2015. Toronto, ON, Canada, 13 March 2015.

D'Souza R. Supporting Decision-Making in High Risk Pregnancies through Decision Analysis: Addressing Competing Maternal, Fetal, Societal and Ethical Concerns. UofT Monthly Student Rounds. Toronto, ON, Canada, 4 December 2014.

D'Souza R. Stratifying Women with Postpartum Anaemia to Intravenous Iron Therapy. Obstetrical Anesthesia Conference. UofT. Toronto, ON, Canada, 27 September 2014.

Derzko C. Osteoporosis Management – What's New? What's on the Horizon? Albany Clinic Physicians, Toronto, ON, Canada, 28 April 2015.

Derzko C. Update on Osteoporosis Management of the Postmenopausal Woman. North Toronto (Multidisciplinary) Physician Group – Journal Club, Toronto, ON, Canada, 26 March 2015.

Derzko C. Management of the Post Menopausal Woman. York Region Family Physician Journal Club & Study Group, Toronto, ON, Canada, 19 February 2015.

Farine D. Fetal Surveillance. Refresher in Primary Maternity Care, Toronto, ON, ON, Canada, 5 June 2015.

Farine D. Ten Easy Ways to be Sued and Lose the Case. North York General Hospital, Toronto, ON, Canada, 26 May 2015.

Farine D. Update on Post-partum Hemorrhaging. Combined Rounds - 1. The Scarborough Hospital - Birchmount and General Sites 2. Peterborough Health Centre 3. Cambridge Memorial; Scarborough General Hospital - Grace Site, Toronto, ON, Canada, 18 February 2015.

Farine D. Defending Yourself After Poor Outcomes - Preparing for Discovery. The 11th Obstetrical Malpractice: A Survival Guide for 2015, Toronto, ON, Canada, 17 January 2015.

Ferguson SE. Sentinel lymph node biopsy in high risk endometrial cancer. University Health Network Rounds. Toronto, ON, Canada, 21 April 2015.

Freire-Lizama T. National Day of Action on Refugee Health Care. Canadian Doctors for Refugee Care, Toronto, ON, Canada, 15 June 2015.

Freire-Lizama T. Quality Care Committee – Stillbirths. Grand Rounds, Department of Obstetrics and Gynecology, St. Michael's Hospital, University of Toronto, ON, Canada, 22 May 2015.

Freire-Lizama T. Advanced Clinical Skills II: Issues in Maternal Fetal Medicine. Ryerson University, Toronto, ON, Canada, 23 April 2015.

Freire-Lizama T. MFM Career Night. UofT, ON, Canada, 24 November 2014.

Gien LT. Ovarian cancer - most common myths. Ovarian Cancer Canada, Odette Cancer Centre, Toronto, ON, Canada, 9 May 2015.

Gien LT. Controversies with Morcellation. North York General Hospital Obstetrics & Gynaecology Rounds, Toronto, ON, Canada, 15 October 2014.

Gien LT. Controversies in Morcellation. Continuing Professional Development, Minimally Invasive Gynecologic Surgery, UofT, Toronto, ON, Canada, September 2014.

Kingdom J. Is Screening for “Placental Health” a Realistic Goal in Obstetrics? North York General OB GYN Clinic Morning 2015 Shelia Cohen Lecture. Toronto, ON, Canada, 26 May 2015.

Kingdom J. Placental Function Assessment. Obstetric Ultrasound: Setting the Standard for 2015. Toronto, ON, Canada, 21 February 2015.

Kingdom J. Sonographic Detection of Placental Insufficiency Uterine & Umbilical Artery Doppler. 2014 Fetal Medicine Update Focus on Stillbirth, Pre-Eclampsia, IUGR and Doppler. Toronto, ON, Canada, 22 November 2014.

Kingdom J. Lessons from the Placental Health Study. 2014 Fetal Medicine Update Focus on Stillbirth, Pre-Eclampsia, IUGR and Doppler. Toronto, ON, Canada, 21 November 2014.

Kingdom J. Preeclampsia/IUGR/Stillbirth. MMMD (Mechanisms, Manifestations and Management of Disease) Course, Faculty of Medicine, University of Toronto. Toronto, ON, Canada, 3 November 2014.

Kingdom J. Anatomy of a Manuscript. Department of Obstetrics and Gynaecology Health Research Course, Mount Sinai Hospital. Toronto, Ontario, Canada, 19 September 2014.

Kingdom J, Ryan G. The Quiz - Answers and Interactive Discussion. 2014 Fetal Medicine Update Focus on Stillbirth, Pre-Eclampsia, IUGR and Doppler. Toronto, ON, Canada, 22 November 2014.

Kirkham Y. Adolescent Ovarian Torsion. Department of Obstetrics and Gynaecology Grand Rounds, St. Joseph’s Health Centre, Toronto, ON, Canada, 22 May 2015.

Kirkham Y. Introduction to pediatric and adolescent gynaecology. Department of Paediatrics Grand Rounds. St. Joseph’s Health Centre, Toronto, ON, Canada, 23 January 2015.

Jones C. Panel discussion on career planning for residents in Obstetrics and Gynaecology at the University of Toronto. Invited Speaker. Annual Obstetrics and Gynaecology Resident Retreat, Toronto, ON, Canada, 2015.

Jumah NA. Listening, learning and walking together: Indigenous Communities Leading Research in Women’s Reproductive Health. Lakehead University Research and Innovation Week, Thunder Bay, ON, Canada, 11 March 2015.

Kroft J. Surgical management of endometriosis: how to optimize your treatment success. University of Toronto Division of Minimally Invasive Gynaecologic Surgery CME. Toronto, ON, Canada, 20 September 2014.

Laframboise S. Ovarian Cysts: When Should I be Worried? Women’s Health Symposium - St. Michael’s Hospital. Toronto, ON, Canada, 6 February 2015.

Lausman A. Fetal Heart-Rate Monitoring. PGY1 Boot Camp, St. Michael’s Hospital, Toronto, ON, Canada, 26 June 2015.

Lausman A. IUGR Guidelines. Toronto Birth Conference, ON, Canada, 6 November 2014.

Lye SJ. Inflammatory Pathways and Preterm Birth: Mechanisms, Diagnostics and Therapeutics. Department of Biology, York University, Toronto, ON, Canada, 17 November 2014.

Malinowski AK. Anemia in Pregnancy. Obstetric and Gynaecology Grand Rounds - Mount Sinai Hospital, Toronto, ON, Canada, 19 June 2015.

Malinowski AK. Sickle Cell Disease in Pregnancy. Obstetric Medicine Rounds - Mount Sinai Hospital, Toronto, ON, Canada, 10 April 2015.

Malinowski AK. Case Based Exploration of Common Hematologic Disorders in Pregnancy. Hematology Maternal-Fetal Medicine Workshop, Toronto, ON, Canada, 19 July 2014.

Maxwell C. The Obese Gravida: Planning for Delivery. 2015 Refresher In Primary Maternity Care, Toronto, ON, Canada, 5 June 2015.

Maxwell C. Medical Complications of Pregnancy Rounds, Cancer In Pregnancy. Department of Ob/Gyn, MSH, Toronto, ON, Canada, 13 November 2014.

Maxwell C. ENTIS-OTIS Toronto "Maternal Conditions Affecting Fetal Outcomes," Cancer In Pregnancy. SickKids Research Institute, Toronto, ON, Canada, 21 September 2014.

Maxwell C. Orientation for New Fellows - Maternal Fetal Medicine Fellowship Program. Toronto, ON, Canada, 4 July 2014.

Maxwell C. Introduction to MFM Fellowship Program. Career Night: Investing in the Future Leaders of MFM in the GTA. Department of Obstetrics and Gynaecology, University of Toronto, Toronto, ON, Canada, 24 November 2015.

May T. Advances in surgical management of women with advanced ovarian carcinoma. Etobicoke, ON, Canada, 21 May 2015.

McDermott C. Botox and the Pelvic Floor. SMH Women's Health Symposium, St. Michael's Hospital, Toronto, ON, Canada, February 2015.

McDermott C. Laparoscopy in FPMRS. University of Toronto, Department of Obstetrics and Gynaecology, 1st Annual MIGS Conference, Toronto, ON, Canada, September 2014.

Meffe F, Pittini R. Promotion Based on Sustained Excellence in Teaching. Faculty Professional Development Day, Department of Obstetrics and Gynaecology, Faculty of Medicine, University of Toronto, Toronto, ON, Canada, 11 November 2014.

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

Moskovtsev S. Spermatogenesis PSL 420F/1420F Reproductive Physiology, Department of Physiology, University of Toronto, Toronto, ON, Canada, 2 October 2014.

Murphy J. Impact of a Regional Surgical Robotics Program for Gynaecologic Oncology Patients. Trillium Health Partners. Mississauga, ON, Canada, 22 September 2014.

Murphy KE. TORCH Infections in Pregnancy. Infectious Diseases/Microbiology. Seminar, Toronto General Hospital, Toronto, ON, Canada, January 2015.

Murphy KE. HIV in Pregnancy. ON CME 2014, The Society of Obstetricians and Gynaecologists of Canada, Toronto, ON, Canada, December 2014.

Murphy KE, Gandhi S. Update on Preeclampsia: What Every Internist Needs to Know. Grand Rounds, Mount Sinai Hospital, Toronto, ON, Canada, November 2014.

Murphy KE, Brown T. Workshop - Grant Writing. Faculty Development Day, University of Toronto, Toronto, ON, Canada, 11 November 2014.

Okun N, Sroka H, Carroll J. Panel Discussion - The changing world of genetics: how you counsel your patients. 13th Annual Refresher in Primary Maternity Care Conference, Mount Sinai Hospital, Toronto, ON, Canada, 5 June 2015.

Okun N. First Trimester Screening. Fetal Teaching Session, SickKids, Toronto, ON, Canada, 16 April 2015.

Okun N. NIPT in Canada. Obstetric Ultrasound: Setting the Standard for 2015, University of Toronto, Toronto, ON, Canada, February 2015.

Pittini R. Presented background on examination question writing, interactive workshop. MMMD Faculty Development Retreat. Course Directors, Toronto, ON, Canada, 16 June 2015.

Robertson D. Vulvar Quiz. SMH Women's Health Symposium, St. Michael's Hospital, Toronto, ON, Canada, February 2015.

Rosen B. Global Outreach. Princess Margaret Special Rounds. Toronto, ON, Canada, 4 February 2015.

Ryan G. 8th Annual Obstetric Ultrasound "Setting the Standard for 2015." University of Toronto Departments of Obstetrics & Gynaecology and Medical Imaging, Toronto, ON, Canada, 20 February 2015.

Ryan G. Fetal Genitourinary Disease including diagnosis, evaluation, treatment (shunt, cystoscopy, open) and amniopore. Cincinnati Children's Hospital Internet based Conference at the Hospital for SickKids, Toronto, ON, Canada, 29 January 2015.

Ryan G, Kingdom J, Baschat A, **Windrim R**. Difficult Cases. University of Toronto, Department of Obstetrics & Gynaecology and Mount Sinai Hospital, Toronto, ON, Canada, 22 November 2014.

Ryan G. Fetal Medicine Update. University of Toronto, Department of Obstetrics & Gynaecology and Mount Sinai Hospital, Toronto, ON, Canada, 21 November 2014.

Satkunaratnam A. Anatomy for the minimally invasive surgeon. Laparoscopic suturing faculty. APOG faculty course, Toronto, ON, Canada, December 2014.

Satkunaratnam A. Essential anatomy for the Laparoscopic Surgeon. University of Toronto, Department of Obstetrics and Gynaecology, 1st Annual MIGS Conference, Toronto, ON, Canada, September 2014.

Satkunaratnam A. Advanced Ambulatory Procedures-Hysteroscopic sterilization and advanced hysteroscopic myomectomy/polypectomy. University of Toronto, Department of Obstetrics and Gynaecology, 1st Annual MIGS Conference, Toronto, ON, Canada, September 2014.

Selk A. Vulvar Dermatology: A Crash Course For The ObGyne. Women's College Hospital, Gynecology Grand Rounds, Toronto, ON, Canada, 9 April 2015.

Vicus D. Controversies in gynaecologic oncology. Toronto, ON, Canada, 26 November 2014.

Windrim R. 18th Annual Obstetric Ultrasound "Setting the Standard for 2015." University of Toronto Departments of Obstetrics & Gynaecology and Medical Imaging. Toronto, ON, Canada, 20 February 2015.

Windrim R. Placenta Praevia and Accreta. University of Toronto Departments of Obstetrics & Gynaecology and Medical Imaging, Toronto, ON, Canada, 20 February 2015.

Windrim R. Ultrasound of the Cervix and Placenta - WORKSHOP. University of Toronto Departments of Obstetrics & Gynaecology and Medical Imaging, Toronto, ON, Canada, 20 February 2015.

Windrim R. Abnormal Labour and Emergencies to Senior Medical Students, University of Toronto, Department of Obstetrics & Gynaecology, Toronto, ON, Canada, 27 January 2015.

Windrim R. Obstetrical Malpractice "A Survival Guide for 2015." University of Toronto and Mount Sinai Hospital, Department of Obstetrics & Gynaecology, Toronto, ON, Canada, 17 January 2015.

Windrim R. IUGR & Doppler. University of Toronto, Department of Obstetrics & Gynaecology and Mount Sinai Hospital, Toronto, ON, Canada, 15 December 2014.

Windrim R. Abnormal Labour and Emergencies, Senior Medical Students, Maternal-Fetal Medicine, Department of Obstetrics & Gynaecology, Faculty of Medicine. Location of Teaching: Mount Sinai Hospital, 12 December 2014.

Windrim R. Breech: Hands-on, not a hand-up! Ontario SOGC CME, Toronto, ON, Canada, 4 December 2014.

Windrim R. Practical Tips for Obtaining Good Doppler Waveforms. University of Toronto, Department of Obstetrics & Gynaecology and Mount Sinai Hospital, Toronto, ON, Canada, 22 November 2014.

Windrim R. Abnormal Labour and Emergencies. University of Toronto, Department of Obstetrics & Gynaecology, Toronto, ON, Canada, 20 October 2014.

Windrim R. Overuse of oxytocine in Labour: less is more. UofT & Mount Sinai Hospital, Toronto, ON, Canada, 27 September 2014.

Windrim R. 12th University of Toronto Obstetric Anesthesia Conference. UofT & Mount Sinai Hospital, Toronto, ON, Canada, 26 September 2014.

Windrim R. Abnormal Labour and Emergencies Part II. University of Toronto, Department of Obstetrics & Gynaecology, Toronto, ON, Canada, 2 September 2014.

Windrim R. Abnormal Labour and Emergencies. University of Toronto, Department of Obstetrics & Gynaecology, Toronto, Canada, 23 July 2014.

Windrim R. NAIT and HDFN. UHN - Princess Margaret Hospital, Toronto, ON, Canada, 19 July 2014.

Yudin MH. Management of infections in pregnancy. St. Michael's Hospital Midwifery Teaching Rounds, St. Michael's Hospital. Toronto, ON, Canada, 17 June 2015.

Yudin MH. HIV in pregnancy: updates from the 2014 SOGC Clinical Practice Guideline. St. Michael's Hospital HIV Rounds. St. Michael's Hospital, Toronto, ON, Canada, 21 April 2015.

Yudin MH. Wet mount 101- making the diagnosis. St. Michael's Hospital Annual Women's Health Symposium. St. Michael's Hospital and University of Toronto Department of Obstetrics and Gynecology, Toronto, ON, Canada, 6 February 2015.

Yudin MH. HIV in pregnancy: updates from the 2014 SOGC Clinical Practice Guideline. Plenary Session. Society of Obstetricians and Gynaecologists of Canada (SOGC) 33rd Annual Ontario Continuing Medical Education (CME) Meeting, Toronto, ON, Canada, 4 December 2014.

Yudin MH. STI management in the adolescent population. Adolescent Medicine Rounds. SickKids, Toronto, ON, Canada, 27 November 2014.



ORAL AND POSTER PRESENTATIONS

ABSTRACT PRESENTATIONS - INTERNATIONAL

Abdelmutti N, Papadakos J, Jones J, Gallagher L, Jivraj N, Koo D, Branfield-Day L, Friedman A, Catton P, **Ferguson S**. Evaluation of a chemotherapy pre-treatment education session for patients with gynecologic malignancies and their family members. 2014 International Cancer Education Conference. Clearwater, FL, USA, October 2014.

Aarabi M, Balakier H, Bashar S, **Moskovtsev S**, Sutovsky P, **Librach CL**, Oko R. Sperm-derived ww domain-binding protein initiates zygotic development in human and mouse and determines male-factor infertility. American Society of Reproductive Medicine. Fertility and Sterility, 2014,102:7-8.

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Balki M, **Windrim R**. High-fidelity simulation to evaluate an Interdisciplinary Teamwork Assessment Scale in obstetric crisis management. Society of Obstetric Anesthesia and Perinatology, Colorado Springs, CO, USA, 14 May 2015.

Barbera L, **Gien LT**, Sutradhar R, **Covens A**, Elit L, Fyles A, Khalifa M, Rakovitch E, Liu Y, Thomas G. Does a groin node dissection in vulvar cancer decrease the risk of groin recurrence? International Gynecologic Cancer Society (IGCS) 15th Biennial Meeting, Melbourne, Australia, November 2014.

Barzilay E, Moon A, Plumptre L, Masih S, Visentin C, Ly A, Sohn KJ, **Lausman A**, Croxford R, O'Connor D, Kim YI, **Berger H**. Gestational Diabetes and the Folate-Methionine Cycle. SMFM's 35th Annual Meeting, San Diego, CA, USA, 6 February 2015.

Brachtchenko J, **Moskovtsev S**, Swanson S, Shlush E, Kan-ool L, **Librach CL**. Sperm DNA damage and outcome non-IVF fertility treatments. Wayne State University and the University of Toronto Scientific Retreat: Integrative and Global Approaches in Reproductive Sciences, Detroit, MI, USA, 2015.

Chong AL, Jarvi K, Lo K, **Moskovtsev S**, Mullen B, Spencer L, Hodgson D, Greenberg M, Nathan P. Evaluation of sperm DNA damage and aneuploidy in male survivors of pediatric Hodgkin's lymphoma. Andrology, 2014, 2:98-99.

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Comeau I, **Kives S**, **Allen L**. The Surgical Management of An Ohvira Variant With Previous Vaginal Surgery. 29th Annual Clinical Meeting, North American Society of Pediatric and Adolescent Gynaecology (NASPAG). Orlando, FL, USA, 17 April 2015.

Connor KL, Bloise E, Altrichter A, Chehoud C, DeSantis T, Matthews SG, **Lye SJ**. Maternal malnutrition impacts the holobiome and gut transporters. Society for Reproductive Investigation 62nd Annual Meeting, San Francisco, CA, USA, 25-28 March 2015.

Darlow B. Variation in the Rate of Very Preterm Neonate Treated for Retinopathy of Prematurity (ROP) in 8 National Neonatal Databases: The International Network for Evaluation of Outcomes of (iNeo) Experience. PAS 2015, San Diego, CA, USA, 25-28 April 2015.

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Garvey G, **Murphy KE**. The Use of Ultrasound in Obstetric Anesthesia: Vascular Access, Neuraxial Anesthesia, TAP Block and Gastric Assessment Workshop. Society for Obstetric Anesthesia and Perinatology, Colorado Springs, CO, USA, May 2015.

Ghasemi F, Wright E, Keating S, (Taylor G), Shah P, Yampolsky M, **Kingdom J**. Potential for 3D Sonographic Placental Assessment to Improve Algorithm-Based Screening for Adverse Perinatal Outcomes Associated with Placental Disease. British Maternal and Fetal Medicine Society's 17th Annual Conference. London, United Kingdom, April 2015.

Harris K, De Souza L, **Yudin MH**. A comparison of maternal experience with breastfeeding at 6 weeks postpartum. American College of Obstetricians and Gynecologists (ACOG), 63rd Annual Clinical and Scientific Meeting. San Francisco, CA, USA, 2-6 May 2015.

Heng YJ, Pennell CE, McDonald SW, Vinturache A, Xu JX, Lee MWF, Briollais L, Lyon A, Slater DM, **Bocking AD**, Tough SC, **Lye SJ**. Maternal whole blood gene expression predicts spontaneous preterm birth in asymptomatic women as early as 18 weeks gestation. Society for Reproductive Investigation 62nd Annual Meeting, San Francisco, CA, USA, 25-28 March 2015.

Huang Q-T, **Shynlova O**, **Lye SJ**. P-glycoprotein and breast cancer resistance protein expression in rat myometrium throughout gestation and labor. Society for Reproductive Investigation 62nd Annual Meeting, San Francisco, CA, USA, 25-28 March 2015.

Hubner N, **Allen L**, **Kives S**. Evolution in the Management of Pediatric and Adolescent Ovarian Torsion as a Result of Quality Improvement. 29th Annual Clinical Meeting, North American Society of Pediatric and Adolescent Gynaecology (NASPAG). Orlando, FL, USA, 17 April 2015.

Hunter J, **Allen L**, **Kirkham Y**. Barriers, expectations, and needs of young women during the transition from paediatric to adult gynecological care. North American Society of Pediatric and Adolescent Gynecology, 30th Annual Clinical and Research Meeting, Orlando, FL, USA, 16-18 April 2015.

Kibschull M, **Lye SJ**, Okino ST, Sarras H. From micro samples to large scale gene expression data: A novel workflow for rapid and accurate qPCR analysis from stem cell cultures using multiplex pre-amplification. Scientific Retreat: Integrative and Global Approaches in Reproductive Sciences, C.S. Wayne State University and University of Toronto Joint Retreat, Detroit, MI, USA, 28-29 April 2015.

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Kurjanowicz P, **Moskovtsev S**, **Librach C**. Verification of DNA integrity is imperative for accurate downstream telomere length analysis in human sperm cells. Telomeres & Telomerase Conference, Cold Spring Harbor, NY, USA, 2015.

Lau E, Brophy J, Samson L, Campbell D, **Yudin MH**, **Murphy KE**, Seto W, Colantonio D, Read S, Bitnun A. Nevirapine pharmacokinetics in HIV-exposed neonates receiving triple combination antiretroviral therapy as post-exposure prophylaxis. 6th International Workshop on HIV Pediatrics. Melbourne, Australia 18-19 July 2014.

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Lee D, **Nevo O**. Altered gene expression in microvascular endothelial cells isolated from preeclamptic patients. SMFM, San Diego, CA, USA, 2 February 2015.

LePage K, **Selk A**. What do patients want? A needs assessment of vulvodynia patients attending a vulvar diseases clinic. North American Chapter of the International Society for the Study of Vulvovaginal Disease, Chicago, IL, USA, 7 September 2014.

Mackie P, Lee C, **Moskovtsev S**, Kenigsberg S, **Librach CL**. Improving methods for characterizing small RNA extracted from exosomes and microvesicles found in human seminal fluid. Wayne State University and the University of Toronto Scientific Retreat: Integrative and Global Approaches in Reproductive Sciences, Detroit, MI, USA, 2015.

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

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Martin-Lorente C, Mackay H, **Laframboise S**, O'Brien C, Butler M, Dhani N, Wilson MK, Lhereux S, Rodriguez-Freixinos V, **Rosen B**, **Murphy J**, **Ferguson S**, **Bernardini M**, **Dodge J**, Lau A, Wang L, Oza AM. An analysis of malignant bowel obstruction (MBO) outcomes in patients with epithelial ovarian carcinoma (EOC). American Society of Clinical Oncology Annual Meeting. Chicago, IL, USA, October 2014.

Madathil S, Sun L, Saini BS, Yoo SJ, Jaeggi E, Grosse-Wortmann L, **Kingdom J**, Hickey E, Miller S, Macgowan C, Seed M. MRI reveals increased superior vena caval blood flow in human fetuses with congenital heart disease, abnormal placental pathology and neonatal brain white matter changes. SCMR/EuroCMR Joint Scientific Sessions. Nice, France, February 2015.

May T, Tone A, Stewart J, Virtanen C, **Murphy J**, **Bernardini MQ**, **Laframboise S**, **Ferguson S**, Oza A, **Brown T**, **Rosen B**. Examining selection for resistant clones in high-grade serous ovarian cancer after neoadjuvant chemotherapy. Chicago, IL, USA, 28 March 2015.

McLaughlin K, **D'Souza R**, Hladunewich M, Parker J, **Kingdom J**. Cardiovascular effects of placental dysfunction in the 2nd trimester in pregnancy. 1st International Congress on Maternal Hemodynamics. Hasselt, Belgium, 18 October 2014.

Medel S, **Shynlova O**, Rybak Y, **Drutz H**, **Alarab M**. Application of autologous Platelet Rich Plasma promotes the attachment of primary human vaginal fibroblasts to absorbable and non-absorbable implant materials: potential implication in Pelvic Organ Prolapse surgery. International Urogynecological Association (IUGA) 39th Annual Meeting, WA, USA, 22-26 July 2014.

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Mei-Dan E, Asztalos E, Willan A, Allen A, Armson BA, Gafni A, Hannah M, Hutton E, Joseph KS, Ohlsson A, Ross S, **Barrett J**. Twin Birth Study: incidence of caesarean delivery in induction of twin pregnancies. Society for Maternal-Fetal Medicine Annual Meeting, San Diego, CA, USA, February 2015.

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Melamed N, Kingdom J. Sonographic weight: estimation of small for gestational age fetuses: is the optimal model related to fetal body proportion? 3rd International Conference on Fetal Growth 2014, Keble College - University of Oxford. Oxfordshire, United Kingdom, 1 October 2015.

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Melamed N, Shah J, Shah P, **Murphy KE**. The effect of antenatal corticosteroids on outcome of preterm neonates - does the administration-to-delivery interval matter? Society for Maternal Fetal Medicine 35th Annual Meeting, San Diego, CA, USA, February 2015.

Morency AM, Abbas N, Langer J, Chiu P, **Windrim R, Keunen J, Seaward PG, Ryan G**. Successful fetal sclerotherapy for a large hydropic CCAM*. IFMSS FMF 2015, Crete, Hersonissos, Greece, 22 February 2015.

Morency AM, Blaser S, **Keunen J, Windrim R, Ryan G**. Ultrasound and MR in case of co-twin demise. IFMSS FMF 2015, Crete, Hersonissos, Greece, 21 February 2015.

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Murphy KE, Asztalos E, Willan A, Ohlsson A, Saigal S, Kelly E, Matthews S, Delisle MF, Gafni A, Lee S, Armson A, Amankwah K, Sanchez J. Preterm premature rupture of membranes and adverse neurodevelopmental outcomes at 5 years of age: a multiple courses of antenatal corticosteroids for preterm birth study secondary analysis. Society for Maternal Fetal Medicine 35th Annual Meeting, San Diego, CA, USA, February 2015.

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Nadeem L, **Shynlova O**, Dong X, **Lye S**. Progesterone receptor A mediates de-repression of Connexin43 expression in human myometrium- a critical step for labour initiation. 5th International Conference on Molecular Perspectives on Protein-Protein Interactions. Niagara-on-the-Lake, ON, 29 May - 2 June 2015.

Nadeem L, **Shynlova O**, Dong X, **Lye S**. Molecular evidence of local progesterone withdrawal in laboring human myometrium. Scientific Retreat: Integrative and Global Approaches in Reproductive Sciences, C.S. Wayne State University and University of Toronto Joint Retreat, Detroit, MI, USA, 28-29 April 2015.

Nadeem L, **Shynlova O**, Dong X, **Lye S**. Molecular evidence of progesterone withdrawal in labouring human myometrium. Society for Reproductive Investigation 62nd Annual Meeting, San Francisco, CA, USA, 25-28 March 2015.

Niles K, Barrett J, Nevo O, Melamed N, Cohen H, Berndt A, Hui D, Ladhani NN. Mode of delivery of infants in breech presentation at borderline viability. SMFM, San Diego, CA, USA, 2 February 2015.

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Pillai K, Baczyk D, **Kingdom J**. Exosome fractions of conditioned media from normal and pre-eclamptic placental villi are selectively anti-angiogenic and reversed by low molecular weight heparin. 2015 Congress of the International Society for Extracellular Vesicles (ISEV2015). Washington, USA, 23 April 2015.

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Pulman K, **Bouchard-Fortier G, Covens A**, Karanickolas PJ, Hallet J, Feigenberg S, **Vicus D**. Operative Morbidity in Ovarian Cancer: How Aggressive Should We Be? SGO Annual Meeting, Chicago, IL, USA, 2015.

Pulman K, Dason S, **Philp L, Bernardini MQ, Ferguson S, Dodge J, Laframboise S, Murphy J, Rosen B, May T**. A comparison of conventional laparoscopy and robotic-assisted laparoscopy for staging lymphadenectomy in high-grade endometrial cancer. Society of Robotic Surgery Annual Meeting, Orlando, FL, USA, 19 February 2015.

Shah J, **Melamed N, Murphy K**, Lee SK, Yoon E, Soraisham A, Shah P, Canadian Neonatal Network. Antenatal Corticosteroids and Outcomes of Preterm Neonates <34 Weeks GA: Effect of Timing of Administration. PAS 2015, San Diego, CA, USA, 25-28 April 2015.

Shah P, Comparison of Mortality and Major Morbidity of Very Preterm Neonates Using Data from 8 National Neonatal Databases: The International Network for Evaluation of Outcomes (iNeo) Experience. PAS 2015, San Diego, CA, USA, 25-28 April 2015.

Shlush E, Mackie P, Filice M, Swanson-Fleet S, **Librach CL, Moskovtsev S**. Surface protein profiling of spermatozoa and seminal fluid exosomes of fertile and infertile men by High-Throughput Flow Cytometry (HTFC). 48th SSR Annual Meeting, San Juan, Puerto Rico, USA, 2015.

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Sterling L, Liu J, Sakhuja A, Sierra S, **Okun N**, **Greenblatt E**. Pregnancy outcomes in women with polycystic ovarian syndrome (PCOS) undergoing in vitro fertilization (IVF). 31st Annual Meeting of ESHRE, Lisbon, Lisboa, Portugal, June 2015.

Stevens B, Yamada J, Promislow S, Stinson J, Harrison D, **CIHR Team in Children's Pain**. How far does it go? Identifying reach and impact of multidimensional knowledge translation strategies on improving procedural pain in hospitalized children. 15th World Congress of Pain, Buenos Aires, Argentina, 6-11 October 2014.

Sun L, Al-Rujaib M, Jaeggi E, **Kingdom J**, **Windrim R**, Sled JG, Macgowan C, Seed M. Preliminary hemodynamic reference ranges for the normal late gestation human fetus by phase contrast MRI and T2 mapping. 24th World Congress on Ultrasound in Obstetrics and Gynaecology (ISUOG). Barcelona, Spain, September 2014.

Sun L, Thakur V, Jaeggi E, **Kingdom J**, **Windrim R**, Sled JG, Macgowan C, Seed M. Low pulmonary blood flow demonstrated by Doppler and MRI in late onset IUGR. 24th World Congress on Ultrasound in Obstetrics and Gynaecology (ISUOG). Barcelona, Spain, September 2014.

Tabl S, Balki M, Downey K, **Farine D**, **Seaward PG**, Carvalho J. Carbetocin at Elective Cesarean Delivery: A Non-Inferiority Study Between 20 and 100 mcg. Society of Obstetrics, Anesthesia and Perinatology, Colorado Springs, Colorado, USA, 13 May 2015.

Van Mieghem T, Baczyk D, Doherty A, Drewlo S, Baud D, Carvalho J, **Kingdom J**. Apelin in normal pregnancy and pregnancies complicated by placental dysfunction. Society for Reproductive Investigation (SRI) 62nd Annual Scientific Meeting "Immunology and Women's Health." San Francisco, CA, USA, March 2015.

Visentin CE, Masih S, Plumptre L, Schroder TH, Sohn KJ, Ly A, Nielsen D, **Lausman A**, **Berger H**, Croxford R, Lamers Y, O'Connor DL, Kim YI. Vitamin B12 status in a cohort of Canadian pregnant women and newborn infants. Experimental Biology 2015, Boston, MA, USA, 29 March 2015.

Wright E, Levytska K, Milligan N, **Melamed N**, Keating S, **Kingdom J**. Birth weight customization improves the association between SGA and placental pathology in nulliparous women. 3rd International Conference on Fetal Growth 2014, Keble College - University of Oxford. Oxfordshire, United Kingdom, 2 October 2014.

Wright S, Judson J, **Pittini R**. Utilizing the borderline regression method to enhance feedback to 1st year medical students. AMEE, Milan, Italy, 3 September 2014.

Zhu MY, Madathil S, Taylor G, Miller S, **Windrim R**, Macgowan C, **Kingdom J**, Seed M. Fetal haemodynamic assessment in a case of late-onset intrauterine growth restriction by phase contrast MRI and T2 mapping. SCMR/EuroCMR Joint Scientific Sessions. Nice, France, February 2015.

ABSTRACT PRESENTATIONS - NATIONAL

Berndl A, McDonald S, Asztalos E, **Murphy K**, Armson A, **Barrett J**. Does use of a high volume Foley (80cc) result in a lower risk of cesarean section than prostaglandins? Canadian Society for Maternal Fetal Medicine Meeting, Montebello, QC, Canada, February 2015.

Berndl A, **Murphy K**, Armson A, McDonald SD. Methods of Cervical Ripening Prior to Induction of Labour at Term: a Survey of Canadian Practitioners. Canadian National Perinatal Investigators Meeting, Montebello, QC, Canada, February 2015.

Berndl A, **Murphy K**, Armson A, McDonald SD. Methods of Cervical Ripening Prior to Induction of Labour at Term: a Survey of Canadian Practitioners. APOG Annual Meeting, Toronto, ON, Canada, December 2014.

Berndl A, Thabane L, McDonald SD. The Development of an Obstetrical Feasibility and Pilot Study Design Tool. Canadian National Perinatal Investigators Meeting, Montebello, QC, Canada, February 2015.

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Caprara D, Shah R, MacGillivray J, Urquia M, **Yudin MH**. Antenatal complications and pregnancy outcomes among a cohort of well-controlled HIV-positive pregnant women. Society of Obstetricians and Gynecologists of Canada (SOGC) 71st Annual Meeting. Quebec City, QC, Canada, 9-12 June 2015. J Obstet Gynaecol Can 2015;37(5):475.

Chan P, Kenigsberg S, **Moskovtsev S**, **Librach C**. Isolation of high molecular weight genomic DNA from mature spermatozoa for downstream telomere length analysis. Canadian Fertility and Andrology Society, Quebec City, QC, Canada, 2014.

Chiu P, Cox P, Keijzer R, Post M, **Ryan G**, Skarsgard E, Thébaud B. Development of a Canadian congenital diaphragmatic hernia research network: evaluating the science strategies to improve outcomes for patients. Toronto, ON, Canada, October 2014.

Feigenberg T, **Bernardini MQ**, **Dodge J**, **Ferguson S**, **Laframboise S**, **Murphy J**, **Rosen B**. The Impact of Obesity on Primary Treatment and Outcome of Advanced Stage High Grade Serous Ovarian Cancer Patients. The Society of Gynecologic Oncology of Canada (GOC), Quebec City, QC, Canada, 12 June 2015.

Frecker H, **Kives S**, **Yudin MH**. The prevalence of chlamydia in adolescents at presentation to colposcopy. Society of Obstetricians and Gynecologists of Canada (SOGC) 71st Annual Meeting. Quebec City, QC, Canada, 9-12 June, 2015. J Obstet Gynaecol Can 2015;37(5):474.

Howard F, Scheiber M, Bernstein S, Bryden P, **Pittini R**. The impact of making completion of course and teacher evaluations by medical students a course requirement at the University of Toronto. CCME, Vancouver, BC, Canada, 26 April 2015.

Gien LT, Kroft J, Saskin R, Li Q, **Bernardini MQ**, Elit L. The uptake of laparoscopy for endometrial cancer varies by region. Society of Gynecologic Oncology in Canada (GOC) Annual Clinical Meeting, Quebec City, QC, Canada, June 2015.

Gien LT, Deng W, Thomas G. Evaluating traditional phase 2 trial design of systemic therapies in recurrent/advanced cervical cancer: an NRG Oncology/GOG Ancillary Data Study. Society of Gynecologic Oncology in Canada (GOC) Annual Clinical Meeting, Quebec City, QC, Canada, June 2015.

Gien LT, Sutradhar R, **Covens A**, Elit L, Fyles A, Khalifa M, Rakovitch E, Liu Y, Thomas G, Barbera L. Does a groin node dissection in vulvar cancer decrease the risk of groin recurrence? Society of Gynecologic Oncology in Canada (GOC) Annual Clinical Meeting, Quebec City, QC, Canada, June 2015.

Gien LT, Sutradhar R, **Covens A**, Elit L, Fyles A, Khalifa M, Rakovitch E, Liu Y, Thomas G, Barbera L. Does a groin node dissection in vulvar cancer affect overall survival? Society of Gynecologic Oncology in Canada (GOC) Annual Clinical Meeting, Quebec City, QC, Canada, June 2015.

Ion A, Greene S, **Yudin M**, **Murphy KE**, Smail L, Walmsley S, Carvalhal A, Loutfy M. Socio-demographic and Clinical Predictors of Preterm Births and Low Infant Birth Weight among Women Living with HIV in Ontario, Canada. 24th Annual Canadian Conference on HIV/AIDS Research, CAHR, Toronto, ON, Canada, 30 Apr 2015.

Jones C, **Greenblatt E**. Fertility Preservation in Transgender Patients. Canadian Fertility and Andrology Society Annual Clinical Meeting Quebec City, QC, Canada, 11-14 September 2014.

Jones C, Kolomietz E, Marie G, Vlasschaert M, Joseph-George A, Myels-Reid D, Chong K, Chitayat D, Arthur R. PGD for a carrier of an intrachromosomal insertion using aCGH. Canadian Fertility and Andrology Society Annual Clinical Meeting. Quebec City, QC, Canada, 11-14 September 2014.

Kirkham Y, Hunter J, **Allen L**. Barriers, Expectations, and Needs of Young Women During the Transition from Pediatric to Adult Gynecological Care. 71st Annual Clinical and Scientific Conference, Society of Obstetricians and Gynaecologists of Canada. Quebec City, QC, Canada, 11 June 2015.

Lebel S, Maheu C, Courbasson C, Singh M, Bernstein L, Benea A, Jolicoeur L, Lefebvre M, Harris C, Agnihotram R, **Ferguson S**, Muraca L. Fear of Recurrence Therapy (FORT): Introducing a new randomized control study to address fear of recurrence in women with cancer. Canadian Association of Psychosocial Oncology. Montreal, QC, Canada, April 2015.

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Wais M, Tepperman E, **Bernardini M**, **Gien LT**, Jimenez W, **Murji A**. A multicenter retrospective review of clinical characteristics of uterine sarcoma. Society of Obstetrics & Gynecology in Canada (SOGC), Quebec City, QC, Canada, June 2015.

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Zhu M, Madathil S, Keating S, Milligan N, Miller S, **Windrim R**, Portnoy S, Sled JG, Macgowan C, **Kingdom J**, Seed M. Fetal hemodynamics of intrauterine growth restriction by phase contrast MRI and MR Oximetry. International Society for Magnetic Resonance in Medicine 23rd Annual Meeting & Exhibition. Toronto, ON, Canada, 3 June 2015.

OTHER PRESENTATIONS - INTERNATIONAL

Alarab M. Basic Science Workshop. 40th ACM IUGA, Nice, France, June 2015.
(Workshop)

Casper RF. AUGMENT fertility treatment. National Public Radio (NPR), USA, 5 March 2015.
(Media Appearance – Radio Interview)

Kroft J. Advanced Laparoscopic Suturing. Society of Laparoendoscopic Surgeons. USA, 10 September 2014.
(Invited Facilitator)

Lhereux S, **Rosen B.** Patterns of Recurrence in Advanced High Grade Serous Ovarian Cancer Patients Alive Five Years After Diagnosis. International Gynecologic Cancer Society (IGCS). Melbourne, Australia, 8 November 2014.
(Poster Presentation)

Meffe F, Bajcar J, Leslie K, Weyman K, Paloheimo J, Graves L, Bernstein S. Faculty Development Planning: A Key Strategy for Success in the Implementation of a Longitudinal Integrated Clerkship (LIc) Pilot Program. Global Community Engaged Medical Education Muster 2014, Uluru, NT, Australia, 27-30 October 2014.
(Poster Presentation)

OTHER PRESENTATIONS - NATIONAL

Caccia N, Nakajima A, **Meffe F**. Situating Conflict Prevention and Management in CanMEDs 2015. Canadian Conference on Medical Education (CCME) 2015, Vancouver, BC, Canada, 24 April 2015.
(Workshop)

Casper RF. Dr. Robert Casper discusses the new AUGMENT fertility treatment. 1310 News, Toronto, ON, Canada, 22 December 2014.
(Media Appearance – Radio Interview)

D'Souza R. Contemporary Methods of Anticoagulation for Pregnant Women with Mechanical Heart Valves. UofT iHPME Research Day. Toronto, ON, Canada, 6 May 2015.
(Presenter)

Hadar R, **Farine D**. Internet: Patterns of Internet Use by Obstetrical Patients in the Digital Age. Canadian National Perinatal Research Meeting, Montebello, QC, Canada, 24 February 2015.
(Poster Presentation)

Jones C, Bohnen J, Anderson G, **Shapiro H**. LEAD Program Session on Obstetrical Resource Management. Academic half-day teaching session for residents in Obstetrics and Gynaecology, University of Toronto, Toronto, ON, Canada, 2014.
(Program Designer and Session Facilitator)

Jones C, Bohnen J, Anderson G, **Shapiro H**. LEAD Program Session on Leadership Skills: a case based teaching session on the gynecology ward. Academic half-day teaching session for residents in Obstetrics and Gynaecology, University of Toronto, Toronto, ON, Canada, 2014.
(Program Designer and Session Facilitator)

Jumah NA. Research at Thunder Bay Regional Health Sciences Centre into Substance Use in Pregnancy. Thunder Bay Drug Strategy Maternal & Child Working Group Workshop, Thunder Bay, ON, Canada, 21 April 2015.
(Panel Presentation)

Jumah NA. Rushwan H. Tackling taboos: Understanding the complexities of adolescent reproductive health in low-resource countries. 70th SOGC Annual Clinical and Scientific Meeting, Niagara Falls, ON, Canada, 11 June 2014.
(Best practices session)

Kemeny B, Bishop L, **Jumah NA**. Encounters in Bioethics: Ethical Issues in Midwifery Care. Lakehead University Centre for Health Care Ethics, Thunder Bay, ON, Canada, 18 February 2015.
(Panel Presentation)

Meffe F, Bajcar J, Leslie K, Weyman K, Bernstein S. Key Strategy for Success in the Implementation of a Longitudinal Integrated Clerkship (LiNC): A Pilot Program. Canadian Conference on Medical Education (CCME) 2015, Vancouver, BC, Canada, 27 April 2015.
(Poster Presentation)

Kingdom J. Doppler Assessment of Fetal Well Being. Obstetric Ultrasound: Setting the Standard for 2015. Toronto, Ontario, Canada, February 2015.
(Workshop)

Kingdom J. Screening for pre-eclampsia is a complete waste of time Ahmet Baschat vs. John Kingdom. 2014 Fetal Medicine Update Focus on Stillbirth, Pre-Eclampsia, IUGR and Doppler. Toronto, ON, Canada, 21 November 2014.
(Lunchtime Debate)

Kingdom J., Baschat A, **Windrim R**, **Ryan G**. Difficult Cases. 2014 Fetal Medicine Update Focus on Stillbirth, Pre-Clampsia, IUGR and Doppler. Toronto, ON, Canada, 22 November 2014.
(Interactive session with videos and panel discussion)

Kroft J. Endometriosis. CTV News, Toronto, ON, Canada, 25 March 2015.
(Media Appearance – TV Interview)

Kroft J. Laparoscopic Suturing and Knot Tying. Society of Obstetricians and Gynaecologists of Canada. Toronto, ON, Canada, 6 December 2014.
(Invited Facilitator)

Peterson L, Rusticus S, Lovato C, Wilson D, **Pittini R**, Schreiber M, Pinchin S, Sargeant J, Alexiadis-Brown P, Moffatt S. Competency-Based Evaluation: How to use the 'Readiness for Clerkship Survey' to Evaluate the Effectiveness of Your Pre-clerkship Program. CCME, Vancouver, BC, Canada, 26 April 2015.
(Workshop)

Rattray D, Liu G, **Jumah NA**. Fibroids that cause AUB – Novel approaches to deal with an age old problem. 70th SOGC Annual Clinical Meeting, Niagara Falls, ON, Canada, 13 June 2014.
(Best practices session)

Rosen B. Examining selection for resistant clones in high-grade serous ovarian cancer after neoadjuvant chemotherapy. The Society of Gynecologic Oncology of Canada (GOC). QC, Canada, 12 June 2015.
(Abstract Presentation)

Ternamian A. The Therapeutic Value of GnRH Agonists in Gynecology. Toronto, ON, Canada, 7 October 2014.
(Lecture for Residents and Practitioners)

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
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
ISMRM	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
LTRI	Lunenfeld-Tanenbaum Research Institute
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
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

SK	SickKids
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

