MISSION STATEMENT

Our mission is to advance and promote the discipline of Obstetrics and Gynaecology,

♦ Achieving national and international recognition in research,

♦ Attaining pre-eminence in undergraduate and postgraduate education,

♦ Providing leadership in health care that is sensitive and responsive to the needs of both the consumer and the provider.

Department of Obstetrics and Gynaecology
Faculty of Medicine
University of Toronto
92 College St.
Toronto, Ontario M5G 1L4

Telephone: 416 978 2668
Fax: 416 978 8350
Website: http://www.obgyn.utoronto.ca/

Obstetrics & Gynaecology
UNIVERSITY OF TORONTO
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CHAIR’S REPORT

Alan D. Bocking, Professor and Chair

It is my great pleasure to introduce the University of Toronto Department of Obstetrics and Gynaecology Annual Report for the academic year 2008-2009. I would like to begin by thanking Dr. Jennifer Blake, who served as the Acting Chair of the Department from July-December 2008, during my administrative leave. During this time Dr. Blake provided outstanding leadership and I took great comfort in knowing that the Department was in good hands. This year was again highlighted with a number of outstanding achievements. We welcomed a number of new members to the Department, including Drs. Prati Sharma, Ari Baratz, Paul Chang and Kimberly Liu, to the Division of Reproductive Endocrinology and Infertility. Dr. Waldo Jimenez-Fiedler joined the Division of Gynaecologic Oncology and will be working at both Credit Valley Hospital and the University Health Network. Drs. Sabrina Lee and Kirsten Smith joined the Department at North York General Hospital and Dr. Ed Ryan at St. Joseph's Health Centre.

I have had the privilege of recommending that Drs. Andrea Jurisicova, Artin Ternamian, Kellie Murphy and Lisa Allen be promoted to Associate Professor effective July 1, 2009 and I am delighted to report that these recommendations were approved by the Dean and Provost. Congratulations to these four Faculty members for this important achievement.

Many members of the Department have received Faculty-wide and national awards, including Dr. Lee Adamson, who received the APOG Excellence in Research Award, and Dr. Michael Sved, who received the APOG Carl Nimrod Educator of the Year Award for our Department. Dr. Adrian Brown received the 2009 W.T. Aitkins Faculty Teaching Award for Individual Teaching Performance in a Small Group category, and Dr. Filomena Meffe received an award from the Faculty of Medicine for her Outstanding Leadership in Advancing Interprofessional Education. Dr. Elyse Lackie from North York General Hospital received the Chair's award for Undergraduate Teaching, and Dr. Elyse Levinsky from Mount Sinai Hospital received the Chair's Award for Postgraduate Teaching. Dr. Abheha Satkunaratnam received the Chair's Award for Postgraduate Program Development Innovation, and Drs. Knox Ritchie and Gareth Seaward received the Chair's Award for Excellence in Continuing Medical Education Course Coordination. Dr. Ori Nevo received the Chair's Award for Outstanding Research Potential.

Once again we were able to acknowledge the tremendous teaching contributions in our Undergraduate Program through awards to individuals at our teaching hospital sites, and these include Drs. Michèle Farrugia, Grace Liu, Mary Melchior, Deborah Robertson, Kirsten Smith, Michael Sved and Melissa Tai. We thank all of these individuals for their important contributions to our teaching and research mission.

This year also marks a transition in leadership within two of our Royal College Fellowships Programs. Dr. John Kingdom completed ten years of outstanding service in providing leadership to the Maternal Fetal Medicine Fellowship Program. Dr. Cynthia Maxwell has taken over as Director of this program. Dr. Ellen Greenblatt also stepped down as Director of the Royal College Fellowship Program in Reproductive Endocrinology and Infertility and Dr. Barbara Cruickshank has taken over for her. We thank both John and Ellen for their outstanding leadership and welcome Cynthia and Barbara into these new roles.
Research Day was once again a great success, with Dr. David Keefe from the University of South Florida College of Medicine providing a very stimulating Henderson Lecture. The recipients of the J.W. Knox Ritchie Research Awards for best presentations in different trainee categories are identified in this Annual Report. Congratulations to all the presenters.

This year we bid farewell to Vivienne Hinds, the longstanding Administrative Assistant to the Chair and wished her well in her retirement. We have all benefited from Vivienne's knowledge, good cheer and sense of humour.

In the latter part of the academic year we began our strategic planning process for the next five years with a Strategic Planning Retreat in June, which was facilitated by Helena Axler. This has provided some important guidance for us with six strategic directions identified. These directions will be further embellished with specific goals and implementation priorities over the next six months.

I hope you enjoy reading about our collective accomplishments over the last twelve months and I would once again like to take this opportunity to thank all of our faculty and staff who contribute tirelessly to our academic mission.

Yours sincerely,

Alan D. Bocking, MD, FRCSC
Gordon C. Leitch Professor and Chair
Department of Obstetrics and Gynaecology
# FACULTY 2008-2009

## Primary Appointments

### Professors Emeriti
- Carole A. Cowell
- Denny De Petrillo
- Terence A. Doran
- Douglas J. Gare
- Walter J. Hannah
- Gord M. Lickrish
- Ron A. Livingstone
- Ted (J.E.) Morgan
- Jerry Shime

### Professors
- S. Lee Adamson
- Bhagu Bhavnani
- Jennifer Blake
- Alan D. Bocking - *Chair*
- Robert F. Casper
- Allan Covens
- Harold Drutz
- Dan Farine
- Mary Hannah
- John Kingdom
- Stephen Lye
- J.W. Knox Ritchie
- Greg Ryan
- Mathew Sermer
- Michael Shier
- Rory Windrim

### Associate Professors
- Jon Barrett
- Abraham Bernstein
- Paul Bernstein
- Theodore J. Brown
- Isabella Caniggia
- Christine Derzko
- Alan Gerulath
- Ellen Greenblatt
- Rose Kung
- Guylaine Lefebvre
- Nicholas Leyland
- Clifford L. Librach
- Kay Lie
- Paul McCleary
- Filomena Meffe
- Joan Murphy
- Nan Okun
- Titus Owolabi
- Richard Pittini
- Barry Rosen
- Gareth Seaward
- Heather Shapiro
- Wendy Wolfman

### Assistant Professors
- Hani Akoury
- May Alarab
- Lisa Allen
- Marshall Barkin
- Samir Batarseh
- Howard Berger
- Marcus Bernardini
- Janet Bodley
- Adrian Brown
- Kenneth Cadesky
- Vincent Cheung
- Dennis K Chu
- Anne Claessens
- Howard Cohen
- Barbara Cruickshank
- Marjorie Dixon
- Jason Dodge
- Nancy Durand
- William Easton
- Frederic Engle
- Michèle Farrugia
- Sarah Ferguson
- Tatiana Freire-Lizama
- Karen Glass
- Charles Gold
- Peter Hawrylyshyn
- Elaine Herer
- Man Fan Ho
- Stephen Im
- Waldo Jimenez Fielder†
- Andrea Jurisicova
- Johannes Keunen
- Sari Kives
- Murray Kroach
- Rachel Kupets
- Stephane Laframboise
- Evelyn Lambe‡
- Andrea Lausman
- Patricia Lee
- Elyse Levinsky
- Kimberly Liu†
- Danny Lovatsis
Elliot Lyons  Richard Pittini  Karen Tessler
Katherine MacRury Deborah Robertson Jackie Thomas
Adelmo Martoglio Ian Rogers Bruce W. Thomas
Cynthia Maxwell David Rosenthal Konstantin Valtchev
Eva Mocarski Jodi Shapiro Fay Weisberg
Kellie Murphy Prati Sharma† Herb Wong
Robert Nicholson Sony Sierra Suzanne Wong
Ori Nevo Dana Soroka Brenda Woods
Melanie Ornstein Rachel Spitzer† Mark Yudin
Ray Osborne Donna Steele Yick-Shing Yung
Wusun Paek Wilf Steinberg Art Zaltz
Nicholas Pairaudeau Michael Sved
Mel Petersiel Art Ternamian

Lecturers
Oleleke Badmos  Elyse Lackie  Paul Shuen
Ari Baratz†  Sabrina Lee†  Kirsten Smith†
Nicolette Caccia  Grace Liu  Linda Stirk
Paul Chang†  Terry Logaridis  Melissa Tai
Nicole Cherry  Romy Nitsch  Modupe Tunde-Byass
Jennifer Cram  Elin Raymond  Wendy Whittle
Joe Daly  Nathan Roth  Georgina Wilcock
Dimitrios Giannoulias  Edward Ryan†  Michelle Wise
Shlomo Grynspan  Abheha Satkunaratnam  Jeremy Wong
Helen Ho  Rajiv Shah
Angela Kang  Nicholas Shilletto

Adjunct Faculty
David Caloia
Navid Esfandiari
Jo-Ann Johnson
Craig Pennell
Felice Petraglia
Rachel Spitzer
Paul Thistle

†New appointment  ‡Joint appointment with Department of Physiology
# Cross Appointments

## Professors Emeriti

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
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<tbody>
<tr>
<td>Jerald Bain</td>
<td>Medicine</td>
</tr>
<tr>
<td>Anne Kenshole</td>
<td>Medicine</td>
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## Professors

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Name</th>
<th>Department</th>
</tr>
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<tbody>
<tr>
<td>Denise Belsham</td>
<td>Physiology</td>
<td>Shoo Lee†</td>
<td>Paediatrics</td>
</tr>
<tr>
<td>John R. Challis</td>
<td>Physiology</td>
<td>Michelle Letarte</td>
<td>Immunology</td>
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<tr>
<td>William Chapman</td>
<td>Laboratory &amp; Medicine &amp; Pathobiology</td>
<td>Stephen Matthews</td>
<td>Physiology</td>
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<tr>
<td></td>
<td></td>
<td>Steven Narod</td>
<td>Public Health Sciences</td>
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<tr>
<td>David Chitayat</td>
<td>Paediatrics</td>
<td>Arne Ohlsson</td>
<td>Paediatrics</td>
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<tr>
<td>Joe T. Clarke</td>
<td>Paediatrics</td>
<td>Maire E. Percy</td>
<td>Physiology</td>
</tr>
<tr>
<td>Terence Colgan</td>
<td>Laboratory &amp; Medicine &amp; Pathobiology</td>
<td>Gail Robinson</td>
<td>Psychiatry</td>
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<tr>
<td>Anthony Fyles</td>
<td>Radiation Oncology</td>
<td>Janet Rossant</td>
<td>Medical Genetics</td>
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<tr>
<td>Stephen Halpern</td>
<td>Anaesthesia</td>
<td>Sam Siu</td>
<td>Medicine</td>
</tr>
<tr>
<td>Mahmoud Khalifa</td>
<td>Laboratory &amp; Medicine &amp; Pathobiology</td>
<td>Rosanna</td>
<td>Paediatrics</td>
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</tbody>
</table>

## Associate Professors

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Name</th>
<th>Department</th>
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<tr>
<td>Ida Ackerman</td>
<td>Radiation Oncology</td>
<td>Carl Laskin</td>
<td>Immunology</td>
</tr>
<tr>
<td>Lynn Allen</td>
<td>Laboratory &amp; Pathobiology</td>
<td>Amit Oza</td>
<td>Medical Oncology</td>
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<tr>
<td>José Carvalho</td>
<td>Anaesthesia</td>
<td>Patricia Shaw</td>
<td>Laboratory</td>
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<tr>
<td>Michael Dunn</td>
<td>Paediatrics</td>
<td>Andrew T. Shennan</td>
<td>Paediatrics</td>
</tr>
<tr>
<td>Denice Feig</td>
<td>Medicine</td>
<td>Ants Toi</td>
<td>Medical Imaging</td>
</tr>
<tr>
<td>Katherine Fong</td>
<td>Medical Imaging</td>
<td>Elizabeth Winsor</td>
<td>Laboratory</td>
</tr>
<tr>
<td>Stephen Holzapfel</td>
<td>Family &amp; Community Medicine</td>
<td></td>
<td></td>
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<tr>
<td>Sarah Keating</td>
<td>Laboratory &amp; Pathobiology</td>
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</table>

## Assistant Professors

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
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<tbody>
<tr>
<td>Tony Barozzino</td>
<td>Paediatrics</td>
</tr>
<tr>
<td>Karen Chong</td>
<td>Paediatrics</td>
</tr>
<tr>
<td>Phyllis Glanc†</td>
<td>Medical Imaging</td>
</tr>
<tr>
<td>Joel Ray</td>
<td>Medicine</td>
</tr>
<tr>
<td>Michael Sgro</td>
<td>Paediatrics</td>
</tr>
<tr>
<td>Martin Skidmore</td>
<td>Paediatrics</td>
</tr>
<tr>
<td>Sandra Viero</td>
<td>Laboratory Medicine &amp; Pathobiology</td>
</tr>
</tbody>
</table>

## Adjunct Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fern Small</td>
<td>Psychiatry</td>
</tr>
</tbody>
</table>

†New appointment
Administrative Staff

Business Manager
Franca Conciatore

Coordinator of Training Programs
Cindy Sinclair/Mary Miceli

Undergraduate Education Assistant
Judy Lupchansky

Secretary to Chair
Vivienne Hinds

Webmaster
Karen Healy
Residents

PGY 1
Stephanie Backman
Geneviève Bouchard-Fortier
Daniela Caprara
Salikah Iqbal
Naana Jumah
Noushin Khoshbakht
Narges Khoshnood
Shannon Moore
Lamide Oyewumi
Jing Qin
Lindsay Shirreff

PGY 2
Melanie Campbell
Crystal Chan
Beth Cruickshank
Karthika Devarajan
Claire Jones
Sritharani Kandasamy
Siobhan Mark
Dan Nayot
Susie Pakenham
Kalpana Sharma
Mara Sobel

PGY 3
Dora Chan
Shannon Corbett
Matthew Laskin
Ally Murji
Andrea Page
Eliane Shore
Sarah Sinasac
Marilyn Sutandar

PGY 4
Kaajal Abrol
Kelly Chu
Marie Czikk
Aseel Hamoudi
Usha Harikumar
Yolanda Kirkham
Jamie Kroft
Taymaa May
Alice Pham
Lyana Sisca

PGY 5
Ambika Aneja
Rebecca Cash
Fatuma Estanbul
Eve Fried
Samuel Ko
Noor Ladhani
Ingrid Savasi
Amanda Selk
Sarah Wallace
Lynne Zolis
### Clinical Fellows

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DIRECTOR</th>
<th>FELLOW</th>
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<tbody>
<tr>
<td><strong>Advanced Obstetrics</strong></td>
<td>P. Gareth Seaward</td>
<td>Taher Al Jishi</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Neerja Sharma</td>
</tr>
<tr>
<td><strong>AAGL</strong>&lt;sup&gt;*&lt;/sup&gt; – Women’s College Hospital</td>
<td>Rose Kung</td>
<td>Rebecca Arthur</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Clarissa Bambao</td>
</tr>
<tr>
<td><strong>Gynaecologic Oncology</strong></td>
<td>Al Covens</td>
<td>Lilian Gien</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Limor Gortzak</td>
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<td></td>
<td></td>
<td>Limor Helpman</td>
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<td></td>
<td></td>
<td>Diederick De Jong</td>
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<td></td>
<td></td>
<td>Jake McGee</td>
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<tr>
<td></td>
<td></td>
<td>Danielle Vicus</td>
</tr>
<tr>
<td><strong>Maternal-Fetal Medicine</strong></td>
<td>John Kingdom</td>
<td>Malikah Al-Faraj</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nihal Al-Riyami</td>
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<tr>
<td></td>
<td></td>
<td>Hagai Amsalem</td>
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<tr>
<td></td>
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<td>Katy Gouin</td>
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<td></td>
<td></td>
<td>Ariadna Grigoriu</td>
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<td></td>
<td></td>
<td>Dini Hui</td>
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<td></td>
<td></td>
<td>Steven Koenen</td>
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<td></td>
<td></td>
<td>Aisling Martin</td>
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<td></td>
<td></td>
<td>Sharon Maslovitz</td>
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<td></td>
<td></td>
<td>Julie Robertson</td>
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<tr>
<td></td>
<td></td>
<td>Yoav Yinon</td>
</tr>
<tr>
<td><strong>Reproductive Endocrinology</strong></td>
<td>Ellen Greenblatt</td>
<td>Tina Lo</td>
</tr>
<tr>
<td><strong>MIGS</strong>&lt;sup&gt;**&lt;/sup&gt; – St. Joseph’s Health Centre</td>
<td>Nicholas Leyland/Art Ternamian</td>
<td>Alexandra Nevin-Lam</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Violaine Marcoux</td>
</tr>
<tr>
<td><strong>MIGS</strong>&lt;sup&gt;**&lt;/sup&gt; – St. Michael’s Hospital</td>
<td>Guylaine Lefebvre</td>
<td>Matthew Morton</td>
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<tr>
<td></td>
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<td>Suma Shastry</td>
</tr>
<tr>
<td><strong>Paediatric and Adolescent Gynaecology</strong></td>
<td>Lisa Allen</td>
<td>Anjali Aggarwal</td>
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<tr>
<td><strong>Reproductive Sciences</strong></td>
<td>Robert Casper</td>
<td>Eliezer Burstein</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ofer Fainaru</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Noha Mousa</td>
</tr>
<tr>
<td></td>
<td>Harold Drutz/</td>
<td>Raed Ahmed</td>
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<td></td>
<td>Danny Lovatsis</td>
<td>Daniel Kreichman</td>
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<tr>
<td></td>
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<td>Victor Miranda</td>
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<tr>
<td></td>
<td></td>
<td>Maria Bortolini (Research)</td>
</tr>
<tr>
<td><strong>Urogynaecology</strong></td>
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<tr>
<td>– Mount Sinai Hospital</td>
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<tr>
<td><strong>Mature Women’s Health</strong></td>
<td>Wendy Wolfman</td>
<td>Sally Sabra</td>
</tr>
<tr>
<td>– Mount Sinai Hospital</td>
<td></td>
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</tr>
</tbody>
</table>

*American Association of Gynecologic Laparoscopists
**Minimally Invasive Gynaecologic Surgery
DEPARTMENT COMMITTEES

Executive Committee & Appointments Committee
A.D. Bocking - *Professor and Chair*
*Obstetrician and Gynaecologist-in-Chief, Mount Sinai Hospital/University Health Network*

J. Blake - *Associate Chair*
*Obstetrician and Gynaecologist-in-Chief, Sunnybrook Health Sciences Centre*

S.J. Lye - *Vice-Chair, Research and Chair, Research Committee*

L. Allen - *Head, Division of Paediatric and Adolescent Gynaecology*

T. J. Brown - *Head, Division of Reproductive Sciences*

D. Farine - *Head, Division of Maternal-Fetal Medicine*

G. Lefebvre - *Obstetrician and Gynaecologist-in-Chief, St. Michael's Hospital*

M. Sermer - *Associate Chief, Mount Sinai Hospital/University Health Network*

F. Meffe - *Chair, Undergraduate Education Committee*

B. Rosen - *Head, Division of Gynaecologic Oncology*

H. Shapiro - *Chair, Postgraduate Education Committee*

F. Weisberg - *Chair, Continuing Medical Education Committee*

Undergraduate Committee
F. Meffe, *Chair*  C. Chan  K. MacRury
J. Blake  E. Frotten  T. May
A. Bocking  M. Gans  R. Pittini
J. Bodley  S. Lee  M. Sved/D. Lovatsis
K. Bremer  S. Kives  S. Wong

Postgraduate Education Committee
H. Shapiro, *Chair*  S. Kives  J. Shapiro
J. Blake  R. Kung  D. Soroka
A. Bocking  N. Leyland  J. Thomas
K. Chu / J. Kroft (PGY4)  K. MacRury  M. Tunde-Byass/ N. Pairaudeau
J. Cram  M. Ornstein  A. Zaltz
B. Cruickshank (PGY2)  A. Page (PGY3)  C. Wade
J. Dodge  R. Pittini  A. Zaltz
S. Iqbal (PGY1)  I. Savasi (PGY5)  C. Wade
Research Committee

S. Lye, Chair
L. Adamson
J. Barrett
T. Brown
I. Caniggia
R. Casper
A. Covens
J. Kingdom

R. Kung
C. Librach
S. Matthews
K. Murphy
R. Windrim
M. Yudin

Promotions Committee

J. Shime, Chair
L. Adamson
J. Blake
R. Casper

A. Covens
D. Farine
G. Lefebvre
K. Ritchie

Fellowship Directors Committee

L. Allen
J. Blake
A. Bocking
R. Casper
A. Covens
H. Drutz/D. Lovatsis
E. Greenblatt
J. Kingdom
R. Kung/K. Lie
G. Lefebvre
N. Leyland/A. Ternamian
G. Seaward
H. Shapiro
W. Wolfman

Continuing Medical Education Committee

F. Weisberg, Chair
P. Bernstein
J. Blake
A. Bocking
J. Bodley
A. Brown
J. Dodge
J. Gracey
D. Robinson
J. Shapiro
J. Thomas
R. Windrim
# HOSPITAL STATISTICS

**July 1, 2008 to June 30, 2009**

<table>
<thead>
<tr>
<th></th>
<th>SMH</th>
<th>MSH/UHN</th>
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<th>TEGH</th>
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<th>NYGH</th>
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<tr>
<td>Total deliveries</td>
<td>2,992</td>
<td>6,534</td>
<td>3,749</td>
<td>3,441</td>
<td>NA</td>
<td>5,945</td>
<td>3,300</td>
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<tr>
<td>Caesarean section rate</td>
<td>28.0%</td>
<td>34.6%</td>
<td>37.0%</td>
<td>26.8%</td>
<td>NA</td>
<td>29.9%</td>
<td>26.0%</td>
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<tr>
<td>Total gynaecology procedures (minor and major)</td>
<td>1,831</td>
<td>5,107</td>
<td>8,814</td>
<td>2,495</td>
<td>89</td>
<td>2175</td>
<td>2,900</td>
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<td>Clinic visits (excluding private office visits)</td>
<td>60,500</td>
<td>146,390</td>
<td>19,093</td>
<td>9,994</td>
<td>2,568</td>
<td>6,167</td>
<td>NA</td>
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<tr>
<td>Number of obstetrics beds</td>
<td>27</td>
<td>84</td>
<td>33</td>
<td>33</td>
<td>NA</td>
<td>57</td>
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<tr>
<td>Number of gynaecology beds</td>
<td>12</td>
<td>21</td>
<td>22</td>
<td>10-15</td>
<td>0</td>
<td>10</td>
<td>20</td>
</tr>
</tbody>
</table>

**SMH** – St. Michael’s Hospital  
**MSH/UHN** – Mount Sinai Hospital/University Health Network  
**SHSC** – Sunnybrook Health Sciences Centre  
**TEGH** – Toronto East General Hospital  
**HSC** – Hospital for Sick Children  
**NYGH** – North York General Hospital  
**SJHC** – St. Joseph’s Health Centre  

**NA** – Not Available/Applicable
DIVISIONS

Division of Gynaecologic Oncology

Barry Rosen, Division Head

Introduction: Gynaecologic oncology’s primary sites are the University Health Network and Sunnybrook Health Sciences Centre. The gynaecologic oncology fellowship training program is the largest and only program in Canada that is three years in length and is Royal College of Physicians and Surgeons of Canada approved. Each year we attract over 25 applications, most from outside of Canada. Dr. Allan Covens heads the training program and is Chair of the Royal College Nucleus Committee.

Highlights: Dr Allan Covens leads the program at Sunnybrook that also includes Dr. Rachel Kupets and newly recruited Dr. Lilian Gien. Dr. Covens and Kupets co-edited a new textbook, “Laparoscopic Surgery for Gynecologic Oncology”, which outlines the most common minimally invasive gynaecologic oncology surgical procedures and includes a demonstration DVD. Dr. Covens continues to publish his world leading research on the utilization of sentinel nodes in surgery for cancer of the cervix.

Dr Waldo Jimenez was recruited to Credit Valley Hospital and UHN, which included an appointment to the University of Toronto. Collaboration between Credit Valley, University of Toronto and UHN is the first in a surgical oncology subspecialty.

Last year, the Society of Gynecologic Oncology of Canada sponsored a month-long visit to UHN by Dr Elkanah Omenga from Moi Teaching and Referral Hospital (MTRH) in Eldoret, Kenya. In May 2009, as part of the University of Toronto Reproductive Health program, Dr Rosen went to Kenya, armed with over 100 lbs of donated medical supplies, and worked with doctors there to set up a treatment program for both pre-invasive and invasive cervical cancer.

In 2009, UHN purchased a DaVinci robot; gynaecologic oncology surgeons have performed an average of two robotic surgeries a week, offering a minimally-invasive alternative to laparotomy. Length of stay is reduced to one night and recovery takes less than half the time. To date this is privately funded. The group at UHN/PMH has also developed synoptic reporting of ovarian cancer operative notes and colposcopy outpatient reports. Replacing traditional dictation, synoptic reporting is completed at the point of contact with patients, and is more comprehensive and precise. In addition, these data facilitate analysis and research. Dr Murphy leads the process in colposcopy and Dr Ferguson in endometrial cancer.

Dr Ferguson is an innovative leader in the survivorship program at PMH. She is the PI on several studies and has launched “Caring Voices”, an online network that allows women to communicate weekly with others affected with cancer and experts in supportive care.

Honours: In recognition of her leadership in gynaecologic oncology, Dr Stephane Laframboise has been appointed chair of the site group at PMH, the largest in Canada, for the next five years.
Division of Maternal-Fetal Medicine

Dan Farine, Division Head

Introduction: The Division of Maternal-Fetal Medicine (MFM) is the largest in Canada in many different ways. We have 25 members, of whom 22 are clinicians or clinician-scientists. We compose 20% of the MFMs in Canada, distributed in 16 universities and many Level II centres. Our annual deliveries in the six affiliated hospitals of the University of Toronto number 24,000 (soon to increase to 33,000 with the creation of the new academy). The total number of births in Ontario is 131,000 (420,000 in Canada), of which 87,000 are in our region. The number of MFM fellows we train is about 50% of the subspecialists in Canada. Our Division provides tertiary perinatal services to more than 20% of all births in Canada and some quaternary perinatal services (e.g. fetal invasive procedures) for most of Canada. The Division, based in three hospitals (MSH, SHSC and SMH) will undergo some major improvement soon. The unit that is based in Women’s College Hospital will soon move to its permanent location; the Division in St. Michael’s Hospital is expanding its clinical, teaching and research activities, and the unit at Mount Sinai Hospital soon will have expanded and improved inpatient space and services.

The executive of the Division was created in 2009 and includes the three heads of the hospital divisions (MSH- Dr. M Sermer, SHSC – Dr. J Barrett, SMH – Dr. H Berger). In addition, the following persons were assigned to head the following areas: Fellowship Training – Dr. C Maxwell; Maternal Medicine – Dr. M Sermer; Fetal Medicine – Dr. G Ryan; Multiple Pregnancies – Dr. J Barrett; Genetic Screening – Dr. N Okun.

Highlights: This academic year was extremely successful. Two of the largest CIHR grants were awarded for 2 large multicentre projects to Kellie Murphy for the MACS study (repeated steroids for lung maturity - finished) and to Jon Barrett (Twins delivery - ongoing). The paper on the MACS study was published this year in the Lancet. Our basic investigators secured the only CIHR group grant in perinatal research. We currently have nine investigators who secured funding in excess of $750,000 per annum.

Members of the Division published 47 peer reviewed articles in this academic year. In the last 5 years, our Division has had more than 50% of all the oral presentations and papers originating in Canada that were presented in the largest MFM clinical meeting, the SMFM (this year we had 1/3 oral presentations and authored 11/16 papers). In addition, about 10% of the papers presented by non–Americans were authored by the foreign graduates of our fellowship program.
Introduction: The Division of Paediatric and Adolescent Gynaecology (PAG) has five members, Division head Lisa M. Allen, and staff members Nicolette Caccia, Sari Kives, Melanie Ornstein and Rachel Spitzer. The Division maintains a diverse practice in common conditions and rare challenges in PAG, with over 2500 ambulatory visits per year, including the adolescent pregnancy program. The Division continues to attract referrals to its surgical complex anomalies program from out of province and out of country.

Highlights: Dr. Rachel Spitzer joined our Division in September, 2008, having completed her fellowship in Paediatric and Adolescent Gynaecology at the Hospital for Sick Children in 2007, and her Masters in Public Health at Harvard University.

The Division continued to fulfill its mandate in enhancing the gynaecologic care of children and adolescents through education and research in the 2008/2009 academic year. Our fellowship continues to attract diverse applicants from abroad and now has a successful ambulatory rotation in paediatric urology, paediatric dermatology, adolescent medicine, and sexual abuse. In addition to a commitment to education of Obstetrics and Gynaecology residents in PAG, the section attracts residents from other programs in Canada.

The members maintain a strong mandate of continuing medical education, with 20 presentations in paediatric and adolescent gynaecology at meetings of the Society of Obstetricians and Gynaecologists of Canada, North American Society of Pediatric and Adolescent Gynecology (NASPAG) and the American Society for Reproductive Medicine. The section published 7 peer reviewed articles, and contributed 7 book chapters this year.

The provincial, national and international presence of our members continues to be strong: Dr. Kives continues as Co-Chair of CANPAGO, the paediatric gynaecology subspecialty committee of the SOGC, with Dr. Allen and Joley Johnstone RN as members. Dr. Allen was invited to be Program Chair of the NASPAG ACM planning committee for the meeting in Las Vegas in April 2010 and continues as a member of the subspecialty committee of APOG. Dr. Nicolette Caccia, assisted by Zarine Tilak, is leading the effort to supplement our didactic core teaching with interactive web-based modules based on the Articulate program, with a grant from the Instructional Technology Courseware Development Fund.

Honours: Dr. Lisa Allen was recognized by the Division of Pediatric Emergency Medicine, Hospital for Sick Children, with the James C. Fallis Award for the best Invited Speaker presentation on Bleeding in the ER in Paediatric and Adolescent Gynaecology.

Future Initiatives: Based on the modules developed for the core teaching in PAG at the University of Toronto, the members of the Division, led by Dr. Nicolette Caccia, are working with CANPAGO to develop a cross-country curriculum of modules for use in all University Obstetrics and Gynaecology programs, funded by the Sheila Cohen Endowment for Women’s Health, North York General Hospital Foundation.
Division of Reproductive Endocrinology and Infertility

Theodore J. Brown, Division Head

Introduction: The Division of Reproductive Endocrinology and Infertility (REI) is a multidisciplinary group of academic clinicians and basic scientists with a shared interest in female reproductive health and infertility. Clinical Division members diagnose and treat infertility, reproductive disorders and hormonal dysfunctions affecting women, as well as men. Diverse interests include clinical and/or basic science research in early pregnancy loss, preimplantation embryo development, blastocyst selection for embryo transfer, endometriosis, polycystic ovarian syndrome, impact of cell death regulation on early placental development, fertility-sparing in cancer patients, gonadal steroids and ovarian cancer, stem cell renewal and differentiation, and prevention of circadian rhythm disruption to improve health. Many of these research programs reflect interactions with members of other divisions and with research groups both within the University of Toronto and at other academic institutions.

Highlights: The Reproductive Biology Unit at Mount Sinai Hospital, now the Centre for Fertility and Reproductive Care (CFRC), opened its new fully-integrated 15,000 sq. ft. clinical facility on June 15, 2009. The Centre includes a state-of-the-art embryology laboratory, and dedicated space to process viral positive gametes, a separate laboratory for biopsy and cell fixation for preimplantation genetic diagnosis (PGD), an andrology laboratory, and two large procedure rooms. This increased space should enable 1,300 IVF cycles per year and allow expansion of specialized programmes.

The Division was pleased to host the first departmental ‘Linking Bench to Bedside’ Research Discussion, titled “Toward Reducing Multiple Gestations from IVF: Research Approaches to Overcome the Barriers.” This new initiative of the departmental Research Committee seeks to promote interaction and collaboration amongst clinical and research faculty and trainees. Drs. Kellie Murphy, Cliff Librach, Ellen Greenblatt, and Robert Casper presented on this topic; discussion centered on identified barriers to single embryo transfer in IVF and improving embryo/oocyte quality and identification of competent embryos for transfer.

The Division also welcomed two new members, Drs. Yaakov Bentov and Mohamed Mitwally, who joined the department as assistant professors. Both are based at the Toronto Centre for Reproductive Technology. Dr. Bentov recently completed REI Fellowship training with Dr. Robert Casper and Dr. Mitwally completed REI Fellowship training at Wayne State University in Detroit. Dr. Barbara Cruickshank recently replaced Dr. Ellen Greenblatt as Director of the RCPSC Fellowship Program in REI. Dr. Greenblatt initiated this program, first accredited in 2002, and remains a committed REI Fellowship Committee member.

Future Initiatives: The Division will continue its strong commitment to REI research and education and to the training of fellows. Future recruitment will place an emphasis on translational research, providing needed expertise in key areas of REI. Our goal for the coming year will be to provide a platform for improved integration of clinical and research efforts.
Division of Urogynaecology

Harold Drutz, Division Head

Introduction: The Department of Obstetrics and Gynaecology program in “Female Pelvic Medicine and Reconstructive Pelvic Surgery” (FPMRPS) co-ordinates teaching and training of medical students (core and elective), and core and elective residents (from other national and international universities) in Obstetrics and Gynaecology and Urology, and our Postgraduate Fellowship Training Programs in Disorders of the Female Pelvis. Currently, the academic programs function at Mount Sinai Hospital, St. Michael’s Hospital, and Sunnybrook Hospital.

The Mount Sinai, Baycrest Geriatric Centre (BGC) faculty includes Drs. Harold Drutz, Danny Lovatsis and May Alarab (MSH) and Dr. William Easton (Scarborough Centenary Hospital). St. Michael’s faculty includes Drs. Guylaine Lefebvre, Dana Soroka, Abeha Satkunaratnam, Deborah Robertson, and this year the addition of Colleen McDermott. At the Sunnybrook site faculty members in the Division of Urogynaecology (Drs. Janet Bodley, Rose Kung, and Patricia Lee) are part of a group of seven Minimally Invasive Gynaecological Surgeons (MIGS), including Drs. Kay Lie, Grace Liu, Herb Wong, and Romy Nitsch.

Highlights: Both core and elective residents and clinical and research fellows are proceeding through the Urogynecology programme. The group at Sunnybrook/WCH has been involved in the development of the Surgical Skill Lab Curriculum for junior residents since 1998. The group participated in the telesurgery session at the Annual International Congress of the AAGL (2003, 2009), and participated in a three hour advanced CME session (SOGC, April 2009).

At MSH, the Division has three active peer-reviewed externally funded grants. Dr. May Alarab received the University of Toronto Faculty of Medicine Dean’s Fund New Staff Award. The Division published six peer-reviewed articles and presented six papers/posters at national and international meetings.

At the Sunnybrook site, Dr. Pat Lee has a grant from the SHUTC Academic Trust Fund. There were three peer-reviewed publications and five presentations at National and International meetings.

Honours: Dr. Drutz was invited to give the 15th Dr. Constantino P. Manahan Lecture, Makati Medical Centre, Manila, Philippines on August 9, 2008, and was awarded a “Lifetime Achievement Award” from the International Urogynecological Association (IUGA) at the 33rd Annual meeting in Taipei, Taiwan in September 2008.

Future Initiatives: At MSH, the Division will be moving to the 8th floor of the Ontario Power Generation (OPG) building, where we will develop a “Mature Women’s Healthcare Centre of Excellence” in conjunction with Dr. Wendy Wolfman and the Menopause Clinic. With 4.5 million dollars in fundraising, the Division at SMH plans to redo the Women’s Ambulatory Care Centre to include an outpatient facility for videourodynamics/cystoscopy and minor procedures and a multi-disciplinary environment to see patients with complex pelvic health issues.
PROGRAMS

Undergraduate Medical Education
Filomena Meffe, Director

Introduction: The Undergraduate Medical Education Committee consists of the hospital site Clerkship Coordinators, Student representatives, Resident representatives, Undergraduate Director, Chairman, Departmental Educator and Faculty Educational Advisor. The Committee meets monthly to discuss issues and implement or modify educational strategies related to the curriculum, generate guidelines and policies for the administration of the clerkship, and respond to course evaluations in order to optimize the educational experience of our students.

Highlights: The Gynaecologic Teaching Patient Program for pelvic exam orientation has been replaced by site-specific orientation using pelvic models purchased for each site and available for student practice, and examination videos. We will review course evaluation data to help identify and address any gaps in pelvic exam teaching.

Preliminary data from our technical procedures study, completed for 2007-2008, demonstrates that our students are participating in a wide range of hands-on experiences. We plan to correlate the quantitative data with overall student satisfaction with the clerkship experience and the degree of change in self-assessed competency. Students will continue to log their procedural involvements and clinical encounters in a web-based program, MyPracticePortfolio.

This year, in order to help with evaluation in an informal setting, each student had a mandatory assignment to explore the roles of health manager, health advocate, communicator, and scholar. The committee will examine course evaluation data for student reactions.

Thanks to a grant from HealthForceOntario, a first-ever 5-week pilot project on Interprofessional Education in Maternity Care took place at St. Michael’s Hospital during February and March 2009 involving 3 medical students, 3 nursing students and 3 midwifery students and facilitated by an enthusiastic group of interprofessional faculty members from Ryerson University, George Brown College and the University of Toronto. Program evaluation data will be presented at the APOG meeting in December 2009.

For a second year, two Kenyan medical students from Eldoret University spent 6 weeks with our faculty, experiencing a vast array of clinical activities at Mount Sinai Hospital, Women’s College Hospital and St. Michael’s Hospital. We hope to continue with this endeavour.

Honours: It is always a pleasure to recognize and commend our student award winners for their hard work, dedication and commitment to our specialty!
Dr. Jacob Goldstein Scholarship: Amol Verma
Hendry Memorial Scholarship: Laurel Murphy
Dr. Frederick R. Papsin Award: Helena Frecker

Future Initiatives: The committee will evaluate the student response to the new clerkship assignment detailed above and to the new pelvic exam orientation initiative. Average procedures carried out by students will be correlated with student satisfaction with the course and with student self-perceived change in competency. The maternity care IPE project will be expanded to include other sites, pending further funding from government. Steps will be taken to develop a plan to accommodate our expanding class size.
Postgraduate Medical Education
Heather Shapiro, Director

Introduction: The 2008-2009 academic year saw a number of changes in the postgraduate education office. Mary Miceli has joined us as the new coordinator of training. She replaces Cindy Sinclair, who left after ten years at the job. 2009 also saw the end of the term for fellowship directors John Kingdom (MFM), replaced by Cindy Maxwell; and Ellen Greenblatt (REI), replaced by Barbara Cruickshank.

Highlights: Enrollment reached 51 residents in the PGY1 entry position residency (Obstetrics and Gynaecology), 6 residents in PGY6 entry positions (MFM, REI and Gyne Onc) and 32 fellows. At the resident level, this represents a 40% increase from the 36 residents who were enrolled in the 2003-04 academic year. This increase has created a challenge in ensuring adequate learning opportunities are available to all. This has been met by expanding the resident presence at our partially-affiliated hospitals, redefining some rotations and allowing more flexibility for resident call. We continue to work towards a relationship with our UTM colleagues at Credit Valley as part of the University’s mission of distributed and expanded education. Our CaRMS performance, as judged by lowest ranked candidate who was offered a position, was the best in memory, and put us in the league of “very highly desirable programs”.

We continued to provide innovative education and curriculum development, such as the session on “Educating Surgical Residents for Leadership and Advocacy”. This was developed by Drs. Nan Okun and Noor Ladhani. The results were presented at the annual RCPSC meeting this September. Our surgical skills labs have been expanded to include sessions for the seniors as well as the juniors, and we continue to expand sessions that prepare residents for life after graduation.

The evaluation process continues to be refined with a new, more specific in-training evaluation for the junior core Ob/Gyn rotations. We will be actively tracking surgical cases to ensure adequate exposure at all sites, and we are using daily encounter forms to ensure timely and meaningful feedback.

The Department’s commitment to international health is evident at the resident level as well. Ally Murji and Kalpana Sharma were at Moi University this year. Their reports highlight the exceptional opportunities there. We anticipate a growing number of residents will choose this experience.
COMMITTEE REPORTS

Research Committee
Stephen Lye, Chair

Introduction: The role of the Research Committee is to encourage and foster the highest quality research in the Department of Obstetrics and Gynaecology and facilitate communication of research activities amongst the Department’s divisions and institutions, as well as to assist in the dissemination of our research to the national and international community.

The committee includes both scientists and clinicians active in research and drawn from across the Department, including Lee Adamson, Jon Barrett, Theodore Brown, Isabella Caniggia, Robert Casper, Allan Covens, John Kingdom, Rose Kung, Clifford Librach, Stephen Matthews, Kellie Murphy, Rory Windrim, and Mark Yudin.

Highlights: Members of the department published over 170 peer-reviewed original research papers, plus over 80 additional publications in 2008/2009 and received funding for over 225 research projects.

Our Department Research Day took place on Friday, May 8, 2009, and continues to be an excellent opportunity to showcase our wide-ranging research and encourage trainees to present their work, with 14 oral and 58 poster presentations in both clinical and basic science areas. Dr. David L Keefe presented an engaging and informative Henderson Lecture on the Telomere theory of reproductive aging. Please see page 99 for a list of abstracts and details of the day.

Increasingly, the Committee is using the Department’s website to provide information and a vehicle for faculty and staff to post research opportunities and to give information on current research. In addition, details of Research Day and special events are posted. The Committee has also launched its monthly Research Alerts, listing publications, awards, honours and any special communications in Research.

Constantly seeking to provide interactive and collaborative events across hospital sites, and including trainees and faculty in both basic and clinical areas, the Committee has launched the Linking bench to bedside: OBGYN Research Discussions series. These events are to take place three times a year, each spearheaded by a different Division and using a thematic approach. The first, very well attended event, was hosted by REI, and took place on May 26, 2009, exploring the topic, Toward reducing multiple gestations from IVF: Research approaches to overcome the barriers, with four speakers exploring different aspects and a question and answer session.

Honours: We would like to congratulate the winners of the J.W. Knox Ritchie Research Awards for best abstract/presentation by trainee category. (See page 111) Also, please note all the award winners in the awards section (26-31), of which many are in the area of research.

Future Initiatives: The Committee is actively engaged in pursuing the research objectives enunciated in the Department’s strategic planning initiative.
Continuing Medical Education Committee
Fay Weisberg, Chair

Introduction: The Continuing Medical Education Committee’s focus, since its inception in March 2005, has been to invite clinically-relevant, practice-changing speakers for Interhospital Rounds and to pursue a long-term strategy for continuing medical education for the Department.

Members of the working group include Dr. Paul Bernstein, Dr. Jennifer Blake, Dr. Alan Bocking, Dr. Janet Bodley, Dr. Adrian Brown, Dr. Jason Dodge, Ms Jane Gracey, Dr. Deborah Robinson, Dr. Jodi Shapiro, Dr. Jackie Thomas, and Dr. Rory Windrim.

Highlights: To assist with dissemination of Interhospital Rounds, the CME committee was successful in live web broadcasting. These rounds can now be viewed live through a web link set up between Sunnybrook Hospital and Women’s College Hospital. Because these rounds are live and interactive and logging on is documented, they have the approval of the Royal College for Level 1 hours.

Future Initiatives: The committee’s plan for 2010 is to have an alumni event to showcase our commitment to the Department and to the University.

Courses offered by Mount Sinai Hospital:

- Fetal Medicine Update for 2008 October 24-25, 2008
- Challenges in Intrapartum Care November 8, 2008
- 5th Annual Mature Women’s Health Care: How to Grow Old Better April 24, 2009
- 7th Annual Refresher in Primary Maternity Care May 22, 2009
- 17th Annual Symposium – New Developments in Prenatal Diagnosis May 13, 2009
Interhospital Rounds:

September 19, 2008  Dr. Janet Rowan  
Joint Rounds with Endocrinology 
*Gestational Diabetes – our future health and role of metformin*

October 24, 2008  Dr. Charles Rodeck  
*Is the Fetus a Patient?*

November 14, 2008  Dr. Garnett Anderson  
*Menopausal Hormone Therapy and Chronic Disease: An Update from the Women’s Health Initiative*

December 11, 2008  Dr. Kellie Murphy  
*Multiple Courses of Antenatal Corticosteroids For Preterm Birth Study (MACS)*

January 16, 2009  Dr. Mark Walker  
*Perinatal Surveillance and Health Services Research*

February 13, 2009  Prof. Jacques Abramowicz  
*Bioeffects and Safety of Ultrasound or: Is Ultrasound Safe for my Baby?*

March 6, 2009  Dr. Bruno J. van Herendael  
*Office Hysteroscopy in Contemporary Gynecology*

April 3, 2009  Dr. Frank Chervenak  
*Ethics: An Essential Dimension of Perinatal Medicine*

May 8, 2009  RESEARCH DAY

May 22, 2009  Dr. Susan Bewley  
*Older Mothers: Naming and Counting the Health Issues*

June 12, 2009  Dr. Mathew Sermer  
*Medical Disorders in Pregnancy. How are we doing?*
EDUCATIONAL PARTNERSHIP PROGRAM

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

We would like to acknowledge the past support and commitment of Bayer Healthcare Pharmaceuticals and gratefully acknowledge their current support for the 2008-2009 academic year.

Although some of our past sponsors were not able to renew their commitment for the 2008-2009 academic year, we are hopeful that this support will be re-established once their infrastructure and difficult financial climate stabilizes.

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

The 2008-2009 Industry Sponsor is:

PLATINUM LEVEL

• Bayer Healthcare Pharmaceuticals

We look forward to future collaborations with our Industry Partners that continue to enhance development and growth within the educational programs of the Department.
SIGNIFICANT HONOURS AND AWARDS

2008-2009 CHAIR’S AWARDS

Elyse Lackie
Excellence in Undergraduate Teaching

Elyse Levinsky
Excellence in Postgraduate Teaching

Abheha Satkunaratnam
Excellence in Postgraduate Program Development/Innovation

Ori Nevo
Outstanding Research Potential

Knox Ritchie and Gareth Seaward
Excellence in CME Course Coordination

2009 AWARDS FOR UNDERGRADUATE TEACHING EXCELLENCE

Michèle Farrugia
Mount Sinai Hospital

Grace Liu
Sunnybrook HSC/Women's
College Hospital

Mary Melchior
St. Joseph's Health Centre

Deborah Robertson
St. Michael's Hospital

Kirsten Smith
North York General Hospital

Michael Sved
Mount Sinai Hospital

Melissa Tai
North York General Hospital
Lisa M Allen
James C Fallis Award 2008/2009
Division of Pediatric Emergency Medicine, Hospital for Sick Children
Awarded annually for the best Invited Speaker Presentation, Pediatric Emergency Medicine Rounds, for the Presentation: Bleeding in the ER in Pediatric and Adolescent Gynecology March 5, 2009

Jon Barrett
Appointed Advisor of Maternal Health
World Health Organization, 2008
Appointed Member of Scientific Advisory Committee
Health Canada Therapeutic Products Directorate, 2008

Howard Berger
Award for Excellence in Postgraduate Teaching
Department of Obstetrics and Gynaecology, St. Michael's Hospital
Education Achievement Day, June 2009.

Alan Bocking
Elected President of the Canadian Association of Professors of Obstetrics and Gynaecology (APOG)

Adrian Brown
2009 W.T. Aitkins Faculty Teaching Award for Individual Teaching Performance – Small Group category
May 2009
Carl Nimrod Educator of the Year Award for the University of Toronto.

Isabella Cannigia
Racano (MSc Student), A. Rolfo, and I Caniggia. Mechanism of Factor Inhibiting HIF1 (FIH) Regulation in Placentae from Normal and HELLP Syndrome Pregnancies.
President Presenter Award, , Glasgow, UK, SGI 2009
OGS/OGSST (Genesis): Antonella Racano; Livia Deda; Tara Sivasubramaniyam. (1 year term $15,000), Salary Award

José Carvalho
Best Paper in Obstetric Anesthesia
Balki M, Erik-Soussi M, Parkes R, Kingdom J, Carvalho JCA. Oxytocin preexposure does not affect oxytocin-induced myometrial contractions in term pregnant women.
Canadian Anesthesiologists’ Society Annual Meeting
Vancouver, BC, June 26-30, 2009
Zuspan Award
Balki M, Erik-Soussi M, Parkes R, **Kingdom J, Carvalho JCA**. Oxytocin preexposure does not affect oxytocin-induced myometrial contractions in term pregnant women.
41st Annual Meeting of the Society of Obstetric Anesthesia and Perinatology, Washington, DC, April 29-May 3, 2009

**David Chitayat**
Schwartz-Reisman Visiting Sickkids Scholar, 2008

**Harold Drutz**
Lifetime Achievement Award
For "his ongoing contributions to the advancement of the society and the global improvement of healthcare for women with pelvic floor disorders."
Dr Drutz is the only Canadian to have served as president of the Society (1994-96)
33rd Annual International Urogynecological Association (IUGA) meeting, Taipei, Taiwan September 15-17, 2008

**Ellen Greenblatt**
J A. Campbell Research Award 2009
Project: Prevalence of Celiac Disease in a Canadian Population of Women with Unexplained Infertility
Canadian Celiac Association

**Mary Hannah**
Awarded Fellow ad eundem by the Council of the Royal College of Obstetricians and Gynaecologists. This award acknowledges her major contributions to the specialty and the wellbeing of women.

**Andrea Jurisicova**
CRC Tier II Award, Molecular and Reproductive Medicine
Government of Canada. 2008-2013

**Mahmoud Khalifa**
HPV DNA test utilization in a tertiary care medical centre.

**John Kingdom**
Passed the first Canadian National Subspecialty Board Examination in MFM.

Drewlo S, Baczk D, **Kingdom J**. GCM1 regulation of sflt-1 expression in first trimester placental villii: the missing link between disordered trophoblast differentiation and the development of severe early-onset preeclampsia.
President’s Presenter Award for Oral
56th Annual Meeting Society for Gynecological Investigators, Glasgow, Scotland, March 2009

Murji A, Proctor L, Patterson A, **Kingdom J**. Sex linked associations in placental dysfunction.
Resident’s Award for Research Excellence
29th Annual Meeting Society for Maternal-Fetal Medicine, San Diego, California, January 2009
Balki M, Erik-Soussi M, Parkes R, Kingdom J, Carvalho JCA. Oxytocin preexposure does not affect oxytocin-induced myometrial contractions in term pregnant women.  
Best Paper in Obstetric Anesthesia  
Canadian Anesthesiologists’ Society Annual Meeting  
Vancouver, BC, June 26-30, 2009

Balki M, Erik-Soussi M, Parkes R, Kingdom J, Carvalho JCA. Oxytocin preexposure does not affect oxytocin-induced myometrial contractions in term pregnant women.  
Zuspan Award  
41st Annual Meeting of the Society of Obstetric Anesthesia and Perinatology  
Washington, DC, Apr 29-May 3, 2009

**Evelyn Lambe**  
Daniel X Freedman Award for Outstanding Basic Research  
National Association for Research on Schizophrenia and Depression (NARSAD), USA. Awarded for the top research performance during the tenure of a Young Investigator Research Grant.

**Shoo Lee**  
Women’s Auxiliary Chair in Neonatology  
The Hospital for Sick Children  
January 2009

**Guylaine Lefebvre**  
Honourary fellowship to the Royal College of Obstetricians and Gynaecologists for her contributions in women's health. Her fellowship ad eundem was presented at the RCOG meeting in Montreal in September 2008.

**Kim Liu**  
Successfully completed her REI fellowship, as well as her Masters in Legal Studies, and is now on staff at MSH, Division of Reproductive Sciences, University of Toronto

**Cynthia Maxwell**  
Passed the first Canadian National Subspecialty Board Examination in MFM.

**Stephen Matthews**  
Appointed Chair, Department of Physiology, having served as Interim Chair since July 2008.  
April 1, 2009

**Filomena Meffe** and Susan J. Wagner  
Merit for Outstanding Leadership in Advancing Interprofessional Education.  
St. Michael's Hospital, Department of Family & Community Medicine, Interprofessional Education Working Group, 2008-2009

**Titus Owolabi**  
Planet Africa Magazine and TV Award for Professional Excellence, 2009

City of Philadelphia Community Award for Professional Excellence, May 2009
David M. Rosenthal
2nd prize for his presentation, “Total Laparoscopic Hysterectomy (TLH) Using the Colpo-Probe Vaginal Fornix Delineator” at the American College of Obstetricians and Gynecologists 57th Annual Clinical Meeting in Chicago, Illinois, USA, ACM Film Festival, May 2009

Abeha Satkunaratnam
Council of Resident Education in Obstetrics and Gynecology (CREOG) Teaching Award - American Congress of Obstetricians and Gynecologists (ACOG), 2008
Resident-nominated and Council approved national award for postgraduate education.

Gareth Seaward
ISSUOG Poster Award
18th World Congress on Ultrasound in Obstetrics and Gynecology, Chicago, Illinois, USA, October 2008.

Completion of “The Advanced Health Leadership Program.”
The Rotman School of Management, University of Toronto.
November 2008

Sony Sierra
2009 Award
AAMC Women in Medicine/ co-sponsored by Harvard University.
Attendance at the Career Development Seminar for Junior faculty, Washington, D.C.

Wilfred Steinberg
Ontario Medical Association Lifetime Achievement Award, May 2009

Donna Stewart
Consultant to World Health Organization for the Gulf Region
Visiting Professor to Women’s Health Program for Saudi Arabia and the Gulf States

Artin Ternamian

Kurt Semm Award for Excellence in Pelviscopy.
**Paul Thistle**
Recognition of Exceptional Service by The Salvation Army Canada and Bermuda Territory
As a Canadian physician and humanitarian demonstrated through 14 years at the Howard Hospital in Zimbabwe, October 2008

Paul Harris Fellow
The Rotary Foundation of Rotary International
In appreciation of tangible and significant assistance given for the furtherance of better understanding and friendly relations among peoples of the world, June 2009

**Jackie Thomas**
Wightman-Berris Academy Award for Undergraduate Teaching
June 2009

**Modupe Tunde-Byass**
Conferred with the honour of Fellow of the Royal College of Obstetricians and Gynaecologists
September, 2008, Montreal, 7th Annual Scientific Meeting of the RCOG/ACOG and SOGC.

**Wendy Whittle**
Wightman-Berris Academy Teaching Award for Postgraduate Teaching
June 2009
PEER-REVIEWED PUBLICATIONS

Original Research


Liu KE, Greenblatt EM. Elevated day 3 follicle stimulating hormone/luteinizing hormone ratio > 2 is associated with higher rates of cancellation in in vitro fertilization-embryo transfer cycles. Fertil Steril 2008 Aug;90(2):297-301.


Invited Papers, Case Reports, Commentaries, Editorials, Reviews and Book Chapters


Derzko CM. Bioidentical Hormones. sigma@sigmamenopause.com, January 2009.


Maxwell C, McGeer A, Tai KFY, Sermer M, Maternal Fetal Medicine Committee (Farine D), Infectious Disease Committee (Yudin M, Murphy K). Management guidelines for obstetric patients and neonates born to mothers with suspected or probable SARS. SOGC Clinical Practice Guideline, No. 225, 2009 Apr; 358-9.


INVITED LECTURES AND VISITING PROFESSORSHIPS

International


**Barrett J.** An update on twin delivery. SOGC Offshore Meeting, Cancun, Mexico, February 2009.


**Bocking AD.** The Role of lactobacilli in perinatal health. Healthy Start to Life Research Symposium, Monash University, Victoria, Australia, October, 2008.

**Bocking AD.** Experience in Kurdistan and Kenya – Case Discussion. 22nd International CME Program, SOGC, Cancun, Mexico, March 2009.


**Caniggia I.** Life and death define IUGR and preeclampsia as different pathologies. Grand Rounds, University of Turin, Turin, Italy, October 2008.

**Caniggia I.** Stability, a key determinant of molecular differences in placental pathologies. Tox Talks, San Francisco, California, USA, June 2009.

**Carvalho J.** Spinal ultrasound. The NYSORA Ultrasound and Nerve Stimulator Guided nerve Blocks Workshop, New York, New York, USA, September 13, 2008.

**Carvalho J.** Ultrasound-facilitated epidurals and spinals in obstetrics. NYSORA Ultrasound and Nerve Stimulator Guided nerve Blocks Workshop, New York, New York, USA, September 13, 2008.

Carvalho J. Anesthetic management of the cardiac pregnant patient with pulmonary hypertension. 55th Brazilian Congress of Anesthesiology, Sao Paulo, Brazil, November 5-9, 2008.

Carvalho J. Minimally invasive hemodynamic monitoring in the high risk obstetric patient. 55th Brazilian Congress of Anesthesiology, Sao Paulo, Brazil, November 5-9, 2008.


Carvalho J. Ultrasound-guided spinals and epidurals in obstetrics. 62nd Post Graduate Assembly, New York, New York, USA, December 12, 2008.

Carvalho J. Ultrasound-assisted spinals and epidurals in obstetrics. Department of Anesthesiology’s Morning Conference Program, University of Florida, Health Science Center, Jacksonville, Florida, USA, January 21, 2009.


Carvalho J. Neuraxial anaesthetic techniques assisted by ultrasound: Myth or reality? Keynote Speaker. XVI Annual Anesthesiology Course, Colsanitas, Bogota, Colombia, February 6-7, 2009.

Carvalho J. Prevention and management of postdural puncture headache. XVI Annual Anesthesiology Course, Colsanitas, Bogota, Colombia, February 6-7, 2009.

Carvalho J. Spinal ultrasound. XVI Annual Anesthesiology Course, Colsanitas, Bogota, Colombia, February 6-7, 2009.


Carvalho J. Ultrasound-guided spinals and epidurals in obstetrics. Comprehensive Regional Anesthesia Workshop, University of Buffalo, Buffalo, New York, USA, April 11, 2009.


Casper RF. Genetic Basis of Endometriosis IVI America Conference, Mexico City, Mexico, August 23, 2008.

Casper RF. Aromatase Inhibitors for ovulation Induction. IVI America Conference, Mexico City, Mexico, August 24, 2008.

Casper RF. Role of clomiphene, metformin and letrozole in contemporary management of anovulation.13th McGill International Symposium on REI, Fairmont Queen Elizabeth Hotel, Montreal, Quebec, Canada, September 17, 2008.

Casper RF. Endometriosis, new approach. Royal College of Obstetricians and Gynaecologists Scientific Programme, Montreal, Quebec, Canada, September 19, 2008.


Chitayat D. Fetal abnormalities: The role of the medical geneticist in deciphering the etiology. Annual Meeting of the North American Congress of Clinical Toxicology, American Academy of Clinical Toxicology, Toronto, Canada, September 15, 2008.


**Chitayat D.** Prenatal Diagnosis in Canada – An overview. Dana Children’s Hospital, Tel-Aviv Medical Center, Tel Aviv, Israel, December 10, 2008.

**Chitayat D.** The approach to the baby with multiple congenital abnormalities. Dana Children’s Hospital Research Day, Tel-Aviv Medical Center, Hilton Conference Centre, Tel Aviv, Israel, December 11, 2008.

**Chitayat D.** Fetal Abnormalities – The role of the medical geneticist in deciphering the etiology. 15th Annual Meeting of the Israeli Society of Obstetrics and Gynecology, Ashkelon, Israel, December 12, 2008.


**Colgan TJ.** A tale of tissue proteomics and endometrial carcinoma. University of Texas Health Science Center, Houston, Texas, USA, April 2009.

**Colgan TJ.** Fallopian tube neoplasms and management of specimens from BRCA positive patients. Houston Society of Clinical Pathologists, Houston, Texas, USA, April 2009.


**Covens A.** Fertility preserving surgery with invasive cervical cancer. 6th Pan-Hellenic Congress on Gynaecological Oncology, Athens, Greece, 2009.

**Covens A.** Laparoscopic radical hysterectomy. Focus in Obstetrics and Gynecology, Hong Kong, China, 2009.

**Covens A.** Minimally invasive surgery in gynecological cancer. Biannual General Meeting of the Obstetrical & Gynaecological Society of Hong Kong, Hong Kong, China, 2009.

**Covens A.** Sentinel nodes in cervix cancer. Focus in Obstetrics and Gynecology, Hong Kong, China, 2009.


**Covens A.** The role of sentinel nodes in gynaecological oncology. Department of Obstetrics and Gynecology, Hadassah Medical Center, Jerusalem, Israel, 2009.

**Dodge J.** Recognition of the suspicious adnexal mass. RCOG (UK), Montreal, Ontario, Canada, September 8, 2008.
Farine D.  Active mismanagement of labor. Grand Rounds, Lis Medical Center, Tel Aviv, Israel, November 11, 2008.

Farine D.  Corticosteroids in pregnancy – Where do we stand now? Focus on Immunology in the Fetus and Newborn. Kaplan Medical Center, Rehovot, Israel, November 12, 2008.

Farine D.  Implications of Canadian medico-legal data. Sheba Medical Center, Tel Aviv, Israel, November 12, 2008.

Farine D.  Cervicometer -- the end of digital follow-up at delivery. NESA Days, Napoli, Italy, November 22, 2008.


Kingdom J.  Molecular regulation of villous trophoblast turnover: Implications for pre-eclampsia and IUGR.  Research Rounds, Scripps Research Institute, Departments of ObGyn and Pathology, UCSD Medical Center, San Diego, California, USA, June 2009.

Kingdom J.  Placenta Clinic: What is the value? Grand Rounds, Department of Reproductive Medicine, UCSD Medical Center, San Diego, California, USA, June 24, 2009.

Kingdom J.  High-Risk L&D Obstetrics, UCSD Medical Center, San Diego, California, USA, June 25, 2009.
Kingdom J. Placental and Doppler Ultrasound: Practical Tips. Obstetric Ultrasound Department, UCSD Medical Center, San Diego, California, USA, June 26, 2009.


Lambe EK. Nicotinic receptors and developing prefrontal attention circuitry. NIDA training program, University of Chicago, Chicago, Illinois, USA, March 2009.

Lambe E.K. Nicotinic receptors: How does the alpha5 accessory subunit change the development of attention circuitry. Department of Psychiatry and NIDA training program, Yale University School of Medicine, New Haven, Connecticut, USA. March 2009.

Lee SK. Networks. SIBEN, Mar del Plata, Argentina, September 18, 2008.

Lee SK. Acorn – a neonatal stabilization program. SIBEN, Mar del Plata, Argentina, September 18, 2008.

Lee SK. Recent trends in Canada and SIBEN. SIBEN, Mar del Plata, Argentina, September 18, 2008.


Lee SK. MICare. Perinatal Rounds 2008, Harvard University, Boston, Massachusetts, USA, 2008.

Lee SK. Outcome prediction SNAP-II, from project to day-to-day care. PIERS Workshop, Bellagio, Italy, February 2009.

Lee SK. How small is too small? Grand Rounds, Lanzhou Provincial Maternity Hospital. Lanzhou, China, April 2009.


Lee SK. Update on the Canadian Neonatal Network. ICONN Annual Meeting, Shanghai, China, April 2009.


Lye SJ. Peripheral leukocytes as targets for preterm birth prevention. Perinatology Research Branch, Wayne State University, Detroit, Michigan, USA, December 2008.


Matthews SG. Developmental origins of behaviour and endocrine function. Seminar, 12th Annual Meeting in Developmental and Perinatal Biology, Karolinska Institute-University of Toronto Workshop, Toronto, Ontario, Canada, August 2008:


Matthews SG. Invited Lecture. Institute of Developmental Sciences, Southampton General Hospital, University of Southampton, Southampton, UK, December 2008.

Matthews SG. Invited Lecture. School of Clinical and Laboratory Sciences, Faculty of Medical and Human Sciences, University of Manchester, Manchester, UK, December 2008.


Narod SA. Historical perspective of the BRCA1 and BRCA2 genes. Hereditary Cancer Genetics Course, National Cancer Institute, Bogota, Colombia, September 3-4, 2008.


Narod SA. Nutrition and diet in BRCA1 and BRCA2 carriers. Hereditary Cancer Genetics Course, National Cancer Institute, Bogota, Colombia, September 3-4, 2008.


Narod SA. Prostate cancer survival in BRCA carriers. Hereditary Cancer Genetics Course, National Cancer Institute, Bogota, Colombia, September 3-4, 2008.


Narod SA. What’s new in hereditary breast cancer. University of Columbus, Columbus, Ohio, USA, January 14, 2009.


Narod SA. What’s new in hereditary breast & ovarian cancer. Massachusetts General Hospital, Boston, Massachusetts, USA, February 3, 2009.


Nitsch, R. An audit of clinical activity. Bioethics Discussion Series, Royal Children's Hospital, University of Melbourne, Melbourne, Australia, March 2009.


Pittini R. Simulation training in gynaecology. RCOG – UK, 7th International Scientific Meeting, Montreal, Quebec, Canada, September 19, 2008.

Rogers I. Stem cell in health Biotechnology Course, Keynote lecturer, Cantanhede, Portugal, June 2009.


Ryan G. Lecture. 18th World Congress on Ultrasound in Obstetrics and Gynecology, Chicago, Illinois, USA, August 24-28, 2008.


Ryan G. Definition and management of Stage 1 TTTS. NAFTNet Steering Committee Meeting, Manchester Grand Hyatt San Diego California, USA, January 27, 2009.


Stewart DE. Accountability of measurement of women’s health. National Women’s Education Centre, Tokyo, Japan, March 2009.

Stewart DE. Developing a Women’s Health Program. Institute for Gender Studies, Tokyo, Japan, March 2009.


Stewart DE. What is women’s health? King Saud University Workshop. Riyadh, Saudi Arabia, June 2009.


Ternamian A. Contemporary laparoscopic entry. Hands-on suturing course and didactic lectures, Invited speaker and instructor. Gynaecological Endoscopic and Reproductive Medicine Course, University of Kiel, Department of Obstetrics and Gynaecology, Kiel, Germany, May 7-11, 2009.

Ternamian A. Risk management in endoscopic surgery. Hands-on suturing course and didactic lectures, Invited speaker and instructor. Gynaecological Endoscopic and Reproductive Medicine Course, University of Kiel, Department of Obstetrics and Gynaecology, Kiel, Germany, May 7-11, 2009.


Wolfman W. The Premature Ovarian Failure Clinic at Mount Sinai Hospital. Orphan mechanisms of primary ovarian insufficiency. National Institute of Health, Bethesda, Maryland, USA, October 2008.

Yudin M. Panel on Infectious Diseases, Moderator. The 7th Annual Global Health Research Conference, Convergence of Maternal and Child Health: Global Perspectives. Centre for International Health, Dalla Lana School of Public Health and University of Toronto Department of Obstetrics and Gynecology, Toronto, Ontario, Canada. April 28, 2009.
National


Bernstein P. The perineum – Before, during and after delivery. 7th Annual Refresher in Primary Maternity Care, University of Toronto/Mount Sinai Hospital, Toronto, Ontario, May 2009.


Derzko CM. Bioidentical hormone therapy. ObGyn Grand Rounds, St. John Regional Hospital, St. John, New Brunswick, May 2009.
Derzko CM. Bioidentical hormone therapy: Is there any science to support the claims? St. John’s Regional Hospital, St. John’s, Newfoundland, May 2009.


Derzko CM. Menopause & bioidentical hormone therapy. PEI Regional Physicians, Charlottetown, PEI, May 2009.


Ferguson SE. Total gross resection of the pelvis is attainable in advanced ovarian cancer. Society of Gynecologic Oncologists Summer Surgical Meeting, Denver, Colorado USA, August 2008.


Fyles A. Current status of hypoxia. Targeting tumour cell signaling and microenvironment. CARO Preconference Symposium, Montreal, Quebec, September 12, 2008.


Kingdom J. IUGR 2009 - A trip from molecular medicine to the office, and back. Queen’s University, Kingston, Ontario, Canada, March 2009.


Lausman AY. Asthma in pregnancy. SOGC Regional Meeting, December 5, 2008.


Lee SK. EPIQ-PHSI – a national health partnership to reduce infections in the NICU. CIHR Knowledge Translation Symposium, Ottawa, Ontario, February 2009.


Murphy KE. MACS Trial. Perinatal Rounds presentation, Edmonton, Alberta, April 2009.


Robertson D. Use of simulation in laparoscopic gynaecological surgery – where are we now? April 24, 2009.


Shier RM, Bentley J. Colposcopy interesting cases. SOGC Regional Meeting, Toronto Eaton Centre Marriott Conference Centre, Toronto, Ontario, December 2008.

Shier RM. Colposcopy of the vagina. SOGC Regional Meeting. Toronto Eaton Centre Marriott Conference Centre, Toronto, Ontario, December 6, 2008.

Shier RM. New vulvar terminology and illustrative cases. SOGC Ontario Regional Meeting, Toronto Eaton Centre Marriott Conference Centre, Toronto, Ontario, April 25, 2009.

Sierra S. The evidence-based management of recurrent early pregnancy loss. SOGC Gynaecology CME, Toronto, Ontario, April 2009.


Ternamian A. Laparoscopic complications. Visiting Professor at the University of Laval Gynecologic Laparoscopy Review Course. Quebec City, Quebec, December 12, 2008.

Ternamian A. Patient Safety in Gyn Endoscopy. Afternoon Dry and Animal Lab supervisor. Visiting Professor at the University of Laval Gynecologic Laparoscopy Review Course. Quebec City, Quebec, December 12, 2008.


Local


**Alarab M.** How to perform perineal repairs for 3rd and 4th degree obstetrical lacerations. Resident Teaching Hands-on Workshop, Surgical Skills Centre, Mount Sinai Hospital, Toronto, Ontario, December 4, 2008.

**Alarab M.** Menopause and urogenital aging. Resident Teaching Seminar, Mount Sinai Hospital, Toronto, Ontario, February 2, 2009.

**Alarab M.** Fitting and the management of pessaries. 4th Annual Mature Women’s Health Care: How to Grow Old Better. Medical Sciences Building, University of Toronto, Toronto, Ontario, April 24, 2009.

**Allen LM.** Vulvovaginal disorders in kids. Gynaecology Review Day, Mount Sinai Hospital, University of Toronto, November 14, 2008.


**Berger H.** Codeine use in pregnancy – Fetal implications. Grand Rounds, St Michael’s Hospital, Toronto, Ontario, May 1 2009.


**Bodley J.** Developing and using effective mentoring skills. Department of Obstetrics and Gynaecology, University of Toronto, Postgraduate Committee/LAR Supervisors Workshop, Toronto, Ontario, February 2009.
Bodley J. Developing and using effective mentoring skills. Obstetrics and Gynaecology Resident Retreat, University of Toronto, Granite Club, Toronto, Ontario, April 2009.

Bodley J. Focus on feedback. Grand Rounds, Department of Anesthesiology, Toronto East General Hospital, Toronto, Ontario, April 2009.

Caloia D, Spitzer RF. Preparing to work abroad. Workshop, Department of Obstetrics and Gynaecology Faculty Development Day, Toronto, Ontario, October 15, 2008.


Caniggia I. We are still sensing. SLRI Research Retreat, Geneva Park, Orillia, Ontario, May 2009.


Covens A. When to refer. Department of Obstetrics and Gynecology, York Central Hospital and Southlake Hospital, York Region, Ontario, 2008.


Covens A. When to refer. Department of Obstetrics and Gynecology, Scarborough General Hospital, Toronto, Ontario, 2009.


Derzko C. Menopause Update: 7 years after the WHI -- Current concepts & future thinking. Ob/Gyn Grand Rounds, Scarborough General Hospital, Toronto, Ontario, June 2009.


Kingdom J. Live scans & Doppler demonstrations. Fetal Medicine Update 2008 Course in partnership with University of Toronto, Department of Obstetrics and Gynaecology and The Hospital for Sick Children, Mount Sinai Hospital, Toronto, Ontario, October 2008.

Kingdom J. What is placental insufficiency? Prenatal diagnosis and prevention. Fetal Medicine Update 2008 Course in partnership with University of Toronto, Department of Obstetrics and Gynaecology and The Hospital for Sick Children, Mount Sinai Hospital, Toronto, Ontario, October 2008.

Kingdom J. Intrapartum implications of abnormal placentation. Challenges in Intrapartum Care, Mount Sinai Hospital, Toronto, Ontario, November 8, 2008.

Kingdom J. When to say no. Maternal-Fetal Medicine Fellows Teaching Seminar, Mount Sinai Hospital, Toronto, Ontario, December 2008.

Kingdom J. Fetal well being and Doppler. Obstetric Ultrasound: Setting the Standard for 2009 in partnership with University of Toronto Department of Obstetrics and Gynaecology and the Department of Medical Imaging, Toronto, Ontario, February 13, 2009.

Kingdom J. Placental evaluation & IUGR. Obstetric Ultrasound: Setting the Standard for 2009 in partnership with University of Toronto Department of Obstetrics and Gynaecology and the Department of Medical Imaging, Toronto, Ontario, February 13, 2009.


Kingdom J. Normal and abnormal placental development and function. Reproductive Biology Unit Academic Rounds, Mount Sinai Hospital, Toronto, Ontario, May 6, 2009.

Kingdom J. Placental function testing. 7th Annual Refresher in Primary Maternity Care, University of Toronto, Toronto, Ontario, May 2009.


Lambe. EK. Nicotinic receptors and developing prefrontal circuitry: Relevance to schizophrenia. Center for Mental Health and Addiction (CAMH), Toronto, Ontario, October 2008.


Lausman AY. NYGH: Mid-trimester pregnancy complications: Management at a Level II Centre, Toronto, Ontario, May 26, 2009:


Lee SK. MiCare – A model for improving care through research. OBGYN Grand Rounds, University of Toronto, Toronto, Ontario, February 2009.

Lee SK. MiCare – A model for improving care through research. Tri-Hospital Respiratory Therapy Rounds, University of Toronto, Toronto, Ontario, February 2009.


Leyland N. Safety and appropriateness in minimally invasive surgery. McMaster University Medical Centre (MUMC), Hamilton, Ontario, April 2009.

Murji A, Sinasac, S, Spitzer RF. Global Reproductive Health – the Kenyan Experience. Department of Ob/Gyn Grand Rounds, Mount Sinai Hospital, Toronto, Ontario, February 27, 2009.


Murphy KE. Antenatal steroids. Fetal Medicine Update 2008 for the Department of Obstetrics and Gynaecology and the Hospital for Sick Children, Mount Sinai Hospital, Toronto, Ontario, October 2008.


Murphy KE. Multiple courses of antenatal corticosteroids for preterm birth study, MACS. Citywide Grand Rounds, Toronto Ontario, December 2008.


Murphy KE. HIV in Pregnancy. FAN(Fetal Alert Network), Mount Sinai Hospital, Toronto, Ontario, April 2009.


Murphy KE. An overview of epidemiology. MFM Journal Club Rounds, Mount Sinai Hospital, Toronto, Ontario, May 2009.


Narod SA. Update on Cancer Genetics. Women’s College Research Institute, Toronto, Ontario, March 5, 2009.

Narod SA. What’s new in hereditary breast and ovarian cancer? Dalla Lana School of Public Health, Toronto, Ontario, April 2009.


Ryan G. Antenatal diagnosis & management. Fetal Medicine Update 2008 in partnership with University of Toronto and The Hospital for Sick Children, Mount Sinai Hospital, Toronto, Ontario, October 24-25, 2008.


Ryan G. Fetal therapy update: Tracheal occlusion for diaphragmatic hernia. Canadian Society of Maternal Fetal Medicine, Mount Sinai Hospital, Toronto, Ontario, June 18, 2009.

Seaward PGR. The diagnosis and treatment of fetal anemia. Fetal Medicine Update. Mount Sinai Hospital and University of Toronto Department of Obstetrics & Gynaecology, Toronto, Ontario, October 2008.

Seaward PGR. Criticall – What does and does not work. Challenges in Intrapartum Care. Mount Sinai Hospital and University of Toronto Department of Obstetrics & Gynaecology, Toronto, Ontario, November 2008.


Sermer M. Heart Disease in Pregnancy Programs: What are the necessary components? Grand Rounds, Sunnybrook Health Sciences Centre, Toronto, Ontario, November 2008.

Sermer M. CHD in pregnancy: Be proactive and not reactive. Swiss Cardiologists Visit Program – Congenital Heart Disease: Life-Long Specialized Care for a Chronic Disease, Toronto, Ontario, December 2008.

Sermer M. Managing heart disease in pregnancy – What are the necessary components?” Pregnancy and Heart Disease Academic Day, Toronto General Hospital, Toronto, Ontario, March 2009.

Sermer M. Medical diseases in pregnancy – How are we doing? Interhospital Grand Rounds, Women’s College Hospital, Toronto, Ontario, June 2009.


Spitzer RF. Complex contraception for the adolescent and adult woman. Toronto East General Hospital Ob/Gyn and Women’s Health Review Day; Toronto, Ontario, November 13, 2008.


Steinberg WM. Non-contraceptive risks & benefits of the Pill, Family Practice Resident Program, Credit Valley Hospital, Toronto, Ontario, October 22, 2008.

Steinberg WM. Extended cycle contraceptives. Family Medicine Forum - Annual Scientific Assemblies of the College of Family Physicians of Canada (CFPC), the Ontario College of Family Physicians (OCFP), and the Annual Workshops of the CFPC’s Sections of Teachers and Researchers, Toronto, Ontario, November 28, 2008.


Steinberg WM. Pelvic pain approaches to diagnosis and management, Nursing CME Update, Toronto, Ontario, March 24, 2009.


Steinberg WM. Advances in women’s health present and future. Medical Staff Annual Meeting, Medcan, Toronto, Ontario, May 14, 2009.


Steinberg WM. The hormone-free interval – Issues and management. Family Medicine, Bolton, Ontario, June 10, 2009.


Ternamian A. Laparoscopic salpingectomy. Mount Sinai Surgical Skills Lab for junior ObGyn residents, Mount Sinai Hospital, Toronto, Ontario, April 16, 2009.


Weisberg F. Saturday at the University, University of Toronto, 2008.


Whittle W. Preterm birth and the cervix. University of Toronto/Mount Sinai Hospital Ultrasound Course; Toronto, Ontario, February 2009.

Wise MR. Fetal fibronectin in the management of TPTL. Audit presentation at Quality of Care Rounds, Department of Obstetrics and Gynaecology, The Scarborough Hospital, Toronto, Ontario, October 2008.

Wise MR. Perinatal health indicators. Audit presentation at Quality of Care Rounds, Department of Obstetrics and Gynaecology, The Scarborough Hospital, Toronto, Ontario, February 2009.

Wise MR. Management of PPROM. Audit presentation at Quality of Care Rounds, Department of Obstetrics and Gynaecology, The Scarborough Hospital, Toronto, Ontario, June 2009.

Wolfman W. 7 years after the WHI. Mount Sinai Hospital Grand Rounds Ob/Gyn, Toronto, Ontario, 2008.


Wolfman W. How to treat your menopausal patients 6 years after the WHI. Gyne Review Day, Mount Sinai Hospital, Toronto, Ontario, November 2008.

Wolfman W. HRT 6 Years after the WHI. Scarborough General Hospital, Toronto, Ontario, December 2008.

Wolfman W. How to prescribe HRT for menopausal women: A practical workshop. 5th Annual Mature Women’s Health Workshop, Mount Sinai Hospital, Toronto, Ontario, April 2009.

Wolfman W. Seven years after the WHI. Toronto East General Hospital, Ob/Gyn-Grand Rounds, Toronto, Ontario, April 2009.

Wolfman W. Seven years after the WHI – Is the pendulum swinging back? 5th Annual Mature Women’s Health Care, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, April 2009.


ORAL AND POSTER PRESENTATIONS

National and International Meetings


Asad RA, Keunen J, Hladunewich MA. Remote blood pressure monitoring in pregnant women with chronic kidney disease: Preliminary results from the the Pregnancy and Kidney Disease (PreKid) Clinic, Mount Sinai Hospital, University Of Toronto. ISSHP, Washington DC, USA, September 24, 2008.


Balki M, Cristian A, Parkes RK, **Kingdom J, Carvalho JCA.** Oxytocin preexposure of pregnant rat myometrium reduces the efficacy of oxytocin but not of ergonovine or carboprost. 41st Annual Society for Obstetric Anesthesia and Perinatology Meeting, Washington, DC, USA, April 29-May 3, 2009.


Borges B, Wiezorek P, Balki M, **Carvalho JCA.** Sonoanatomy of the lumbar spine of pregnant women at term. 41st Annual Society for Obstetric Anesthesia and Perinatology Meeting, Washington, DC, USA, April 29-May 3, 2009.


Bradley T, Barnett C, **Chitayat D,** Hinek A. Treatment with dexamethasone reverses impaired elastogenesis and collagenogenesis in cultures of fibroblasts from patients with Loeys-Dietz Syndrome (LDS). Association for Research into Arterial Structure and Physiology, Ghent, Belgium, October 2008.


Braun T, Li S, **Matthews SG,** Sloboda DM, Moss TJM, Newnham JP, **Challis JRG.** Maternal glucocorticoid injections in early pregnancy altered pituitary-adrenal axis in sheep 100 days later. Fetal and Neonatal Physiological Society Meeting, Maastricht, The Netherlands, July 2008.


Detmar J, Rolfo A, DiTommaso N, Rabaglino T, Caniggia I, Jurisicova A. Bax deficiency causes intrauterine growth restriction and leads to altered labyrinthine vasculature. IFPA, Seggau Castle, Austria, September 2008.

Detmar J, Shang X. Jurisicova A. Maternal exposure to aromatic hydrocarbons leads to embryonic resorption and is associated with increased numbers of uterine killer cells. IFPA, Seggau Castle, Austria, September 2008.


Dodge J. What is the optimal strategy to confirm the diagnosis of epithelial ovarian carcinoma prior to neoadjuvant chemotherapy? ASCO Annual General Meeting, Orlando, Florida, USA, May 2009.


Kee N, Palmer C, Matthews S, Perumalla C. Transitioning into an online human physiology course in the medical radiation sciences program. Annual meeting of the Society of Teaching and Learning, University of New Brunswick, Fredericton, New Brunswick, Canada, June 2009.


Kibschull M, Mileikovsky M, Nagy A, **Lye SJ**. Human embryonic fibroblast lines provide enhanced support of human embryonic stem cells in xeno-free culture conditions. SGI Annual Meeting, Scotland, UK, March 2009.


Kulandavelu S, Whiteley K, **Adamson SL**. Fetal and/or fetoplacental eNOS promotes fetal oxygen delivery and fetal growth in late gestation in mice. SGI, Glasgow, UK, March 17-21, 2009.


**Kung R**. Differences in obstetrical outcomes in women of Chinese descent. FCMS Meeting, Toronto, Ontario, Canada, September 27, 2008.

**Kung R**. Laparoscopic excision of endometriosis involving the bladder. AAGL meeting, Las Vegas, Nevada, USA, October 30, 2008.


Li W, Challis JRG, Bocking AD. Tumor Necrosis Factor alpha (TNFα) stimulates Mononuclear Chemoattractant Protein-1 (MCP-1) output in cultured human term decidual cells through MAPK and NF-κB signalling pathway. SGI, Glasgow, UK, March 2009.

Li W, Han L, Bocking AD, Challis JRG. Tumor Necrosis Factor alpha (TNFa) stimulates Matrix Metalloproteinases -1 and-3 (MMP-1 and MMP-3) secretion from cultured human term chorionic trophoblast and decidual cells. The role of different signaling pathways. SGI, Glasgow, UK, March 2009.


Matthews SG. Fetal experience programs endocrine function and behaviour across generations. 21st ECNP Congress, Barcelona, Spain, 30 August-3 September 2008.

Matthews SG. Glucocorticoids and transgenerational programming of neuroendocrine function and behaviour. 5th International meeting of Steroids & Nervous System, Turin, Italy, February 2009.


Murji A, Proctor L, Patterson A, **Kingdom J**. Sex linked associations in placental dysfunction. 29th Annual Meeting Society for Maternal-Fetal Medicine, San Diego, California, USA, January 2009.


Racano A, Rolfo A, Caniggia I. A novel role for factor inhibiting HIF1 (FIH) in regulating TGFbeta3 expression in the human placenta. IFPA meeting, Seggau, Austria, September 2008.


Rolfo A, Post M, Caniggia I. Oxygen-dependent regulation of McI-1 Ubiquitin Ligase E3 (MULE) is mediated by hypoxia inducible Factor-1α (HIF-1α). IFPA Meeting, Seggau, Austria, September 2008.


Ryan EAJ, Claessens EA, Blanco-Mejia S. The sex ratio of offspring born to women using Dehydroepiandrosterone (DHEA) to improve ovarian response. 65th Annual ASRM meeting, San Francisco, California, USA, November 2008.


Wiezorek P, Costello J, Moore A, Macarthur A, Balki M, Carvalho JCA. The transversus abdominis plane (TAP) block, when used as part of a multimodal regimen inclusive of intrathecal morphine, does not improve analgesia post cesarean delivery. 41st Annual Society for Obstetric Anesthesia and Perinatology Meeting, Washington, DC, USA, April 29-May 3, 2009.

Wong M, Percy M. Spinal Muscular Atrophy (SMA): A model “Orphan Disorder” that may not fall between the cracks. Annual Research Special Interest Group Symposium, Kempenfelt Centre, Barrie, Ontario, Canada, April 9, 2009.


Yudin M, Shapiro H, Loutfy M. Access to fertility services for HIV-positive individuals is regionally dependent in Canada. CAHR, Vancouver, British Columbia, Canada, April 2009.


Yudin MH, Shapiro HS, Loutfy MR. HIV-positive individuals and couples have limited access to fertility investigations and treatments carried out in Canadian fertility clinics. Infectious Diseases Society for Obstetrics and Gynecology, Annual Scientific Meeting. Seattle, Washington, USA, August 14-16, 2008.

Department of Obstetrics and Gynaecology

26th Annual
RESEARCH DAY

FRIDAY, MAY 8, 2009
8:00 a.m. – 6:30 p.m.
Emmanuel College, 1st Floor
Victoria University, 75 Queen’s Park
University of Toronto

HENDERSON LECTURE: 4:15 p.m. – 5:15 p.m.
“Burning the Candle at Both Ends – A Telomere Theory of Reproductive Aging”
David L. Keefe MD
James M. Ingram Professor and Chairman,
Department of Obstetrics and Gynecology,
University of South Florida College of Medicine.

WINE & CHEESE RECEPTION: 5:20 – 6:30 p.m.
Research Day, May 8, 2009

The Department of Obstetrics & Gynaecology celebrated its 26th annual Research Day on Friday, May 8, 2009. The event highlighted all the exceptional talent we have in our department and our trainees presented 14 orals and 58 posters orals in a mix of clinical and basic science topics. Dr. David L Keefe presented an engaging and informative Henderson Lecture, “Burning the Candle at Both Ends – A Telomere Theory of Reproductive Aging”.

Oral Presentations

Graduate Student = G; Resident = R; Clinical Fellow = F; Post-Doctoral Fellow = PD; Medical Student = M; Presenter in italics; Faculty in bold.

O1 CO-ENZYME Q10 SUPPLEMENTATION IMPROVES OVARIAN RESPONSE AND MITOCHONDRIAL FUNCTION IN AGED MICE.
Eliezer Burstein[F](1)(2), Alla Perumalsamy (2), Yaakov Bentov (1)(2),Navid Esfandiari (1), Andrea Jurisicova (2) and Robert F. Casper (1)(2).
(1)Toronto Center for Advanced Reproductive Technologies (TCART), (2) Samuel Lunenfeld Research Institute (SLRI).

O2 WHAT WOMEN WANT: PATIENTS’ PREFERENCES ABOUT REPORTING OF ULTRASOUND SOFT MARKERS
Rebecca Cash [R] (1), Myuri Manogaran (2), Hana Sroka (3), Nan Okun
(1)Department of Obstetrics and Gynecology, University of Toronto, (2) University of Toronto, (3) Department of Genetics, Mount Sinai Hospital (4) Maternal Fetal Medicine Division, Department of Obstetrics and Gynecology, Mount Sinai Hospital

O3 VEPH1 IS A NOVEL REGULATOR OF TGF-ß SIGNALING IN OVARIAN CANCER CELLS.
Premalatha Shathasivam[G](1,2,3), J Wrana(1,4), and TJ Brown(1,2,3).
(1)Samuel Lunenfeld Research Institute, Mount Sinai Hospital; Departments of (2)Physiology, (3)Obstetrics and Gynaecology, and (4)Medical Genetics and Microbiology, University of Toronto
O4 DISSECTING THE MOLECULAR PATHWAY OF NALP5 IN MURINE EMBRYO DEVELOPMENT (Work in Progress)
Alagammal Perumalsamy [PD] (1), Roxanne Fernandes (1,3), Andrea Jurisicova (1,2,3).
(1) Samuel Lunenfeld Research Institute, (2) Department of Obstetrics & Gynaecology, Mount Sinai Hospital, (3) Department of Physiology, University of Toronto.

O5 TISSUE SPECIFIC TRANSCRIPTION START SITE AND ALTERNATIVE SPLICING OF THE MAESTRO GENE (MRO): IN GRANULOSA CELLS FROM PCOS AND NON-PCOS PATIENTS, AND IN CONTROL NON-OVARIAN TISSUES.
Shlomit Kenigsberg [PD], Rodica Mandel, Hanna Balakier, Vera Radunovic, Clifford Librach. CReATe Fertility Centre and the Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre, Women’s College Hospital and the University of Toronto.

O6 MECHANISM OF FACTOR INHIBITING HIF-1 (FIH-1) REGULATION IN PLACENTAE FROM NORMAL AND HELLP SYNDROME PREGNANCIES
Antonella Racano [G](1, 2), Alessandro Rolfo (1), and Isabella Caniggia (1,2,3).
(1) Samuel Lunenfeld Research Institute, Mount Sinai Hospital; Departments of (2) Physiology and (3) Obstetrics and Gynecology, Faculty of Medicine, University of Toronto.

O7 JOB SATISFACTION AMONG PHYSICIANS AND NURSES IN A TEACHING AND REFERRAL HOSPITAL IN WESTERN KENYA: DO PARTNERSHIPS WITH HIGH RESOURCE INSTITUTIONS IN NORTH AMERICA MAKE A DIFFERENCE?
Sarah E Sinasac [R](1), Sarah J. Taleski(3), Rachel F. Spitzer(1), Elkanah O. Omenge(2).
(1)Department of Obstetrics and Gynaecology, University of Toronto. (2)Department of Reproductive Health, Moi Teaching and Referral Hospital. (3)Dalla Lana School of Public Health, University of Toronto.

O8 PREVENTING THE DISRUPTIVE EFFECTS OF NOCTURNAL LIGHT EXPOSURE ON MOOD, COGNITION AND SEROTONIN SECRETION DURING SIMULATED SHIFTWORK CONDITIONS BY FILTERING SHORT WAVELENGTHS
Shadab A Rahman [G](1,2), Shai Marcu(3), Colin M Shapiro(3,4), Theodore J Brown (1,2) and Robert F Casper(1,2).
(1)Department of Obstetrics and Gynaecology, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (2)Department of Physiology, (3)Department of Psychiatry, (4)Department of Ophthalmology and Vision Sciences, University of Toronto.

O9 ABDOMINAL VISCERAL ADIPOSITY IN THE FIRST TRIMESTER PREDICTS GLUCOSE INTOLERANCE IN LATER PREGNANCY
Aisling Martin [F](1), Howard Berger (1), Andrea Lausman (1), Joel G Ray(1,2,3).
(1)Department of Obstetrics and Gynaecology, St. Michael’s Hospital, (2)Department of Medicine, Divisions of Endocrinology and Metabolism and General Internal Medicine, St. Michael’s Hospital, (3)Department of Health Policy Management and Evaluation, St. Michael’s Hospital, University of Toronto.
O10 GCM1 REGULATION OF SFLT-1 EXPRESSION IN FIRST TRIMESTER PLACENTAL VILLI: THE MISSING LINK BETWEEN DISORDERED TROPHOBLAST DIFFERENTIATION AND THE DEVELOPMENT OF SEVERE EARLY-ONSET PREECLAMPSIA
Sascha Drewlo [PD](1), Dora Baczyk (1), John Kingdom (1,2,3)
(1) Research Centre for Women’s and Infants’ Health (RCWIH) at the Samuel Lunenfeld Research Institute of Mount Sinai Hospital, University of Toronto, (2) Department of Obstetrics and Gynaecology, Mount Sinai Hospital, University of Toronto, (3) Department of Pathology, Mount Sinai Hospital, University of Toronto.

O11 REGULATORY EFFECTS OF MELATONIN ON GONADOTROPIN-INHIBITORY HORMONE AND KISSPEPTIN GENE EXPRESSION USING NOVEL REPRESENTATIVE RAT HYPOTHALAMIC CELL LINES
Sarah Gingerich [PD](1), Xiaomei Wang(1), Sandeep S. Dhillon(1), Jennifer A Chalmers (1), and Denise D Belsham(1,2,3)
Department of Physiology(1) and Medicine(2), University of Toronto, Cellular and Molecular Biology(3), University Health Network.

O12 AN ACTIVE ROLE FOR UTERINE NATURAL KILLER CELLS AND MACROPHAGES IN EARLY DECIDUAL VASCULAR REMODELING IN VITRO
Aleah D Hazan[G](1,2), Caroline E Dunk (2), Samantha Smith (3), Rebecca L Jones (3), Stephen Lye (1,2,4)
(1)Department of Physiology, University of Toronto, (2) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (3) Maternal and Fetal Health, St. Mary’s Hospital, Manchester, UK, (4) Department of Obstetrics and Gynaecology, University of Toronto.

O13 THE EFFECT OF CHRONIC MATERNAL ADVERSITY (CMA) ON LEARNING AND ENDOCRINE FUNCTION IN ADULT OFFSPRING: IMPACT OF PERIPUBERTAL ENVIRONMENTAL ENRICHMENT (EE)
Jeff Emack[G](1), Alice Kostaki(1), and Stephen Matthews(1,2,3)
Departments of (1)Physiology, (2)Obstetrics and Gynecology, and (3)Medicine, Faculty of Medicine, University of Toronto.

O14 RISK FACTORS FOR FALLOPIAN TUBE PRECURSOR LESIONS IN BRCA MUTATION CARRIERS
Danielle Vicus[F](1,2), Patricia A. Shaw(3), Amy Finch(2), Barry Rosen(1), Susan Armel(1), Ping Sun(2), Steven A. Narod(2), (1)Division of Gynaecologic Oncology, Department of Obstetrics and Gynecology, University of Toronto, (2) Women's College Research Institute, Women’s College Hospital, (3) Department of Pathology, University Health Network.
Poster Presentations

P-A1  TRANSOBTURATOR TAPE FOR THE TREATMENT OF STRESS URINARY INCONTINENCE: EFFECTIVENESS AND PREDICTORS OF OUTCOME
Maria Augusta T. Bortolini[F], Victor Miranda, Raed S. Ahmed, Andrea Lischka, Heng R. Wang, May Alarab, Danny Lovatsis, Harold P. Drutz
Urogynaecology Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital.

P-A2  INCREASED MATERNAL PERIPHERAL WHITE BLOOD CELL COUNT IS A MARKER OF ACTIVE HUMAN LABOUR.
Oksana Shynlova [O](1), Craig Pennell (4), Wendy Whittle (1,2), Stephen Lye (1,2,3).
(1) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (2) Departments Ob/Gyn and (3) Physiology, University of Toronto, (4) School of Women’s and Infants’ Health, University of Western Australia, Perth, Australia

P-A3  CANADIAN HEALTH POLICY CHANGE ANALYSIS: THE HPV VACCINE TRUST
Jacob McGee [F] (1,2), Jennifer Keelan (2)
(1) Gynaecologic Oncology, Department of Obstetrics & Gynaecology, University of Toronto, (2) Dalla Lana School of Public Health, University of Toronto

P-A4  PHENOTYPE OF EARLY ONSET INTRAUTERINE GROWTH RESTRICTION (IUGR)
Nihal Al Riyami [F](1), Leslie Proctor(1)Yoav Yinon(1), Elizabeth Winsor(2), John Kingdom(1)
(1)Department of Obstetrics and Gynaecology (Division of Maternal Fetal Medicine); (2)Department of Laboratory Medicine and Pathobiology; Mount Sinai Hospital; University of Toronto.

P-A5  CHARACTERIZATION OF THE SMAC FVB PHENOTYPE IN MURINE OOCYTES (Work-in-Progress)
Roxanne Fernandes [G](1,2), Han Li (2), Hitoshi Okada (4), Andrea Jurisicova (1,2,3) (1) Department of Physiology, University of Toronto, (2) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (3) Department of Obstetrics & Gynaecology, University of Toronto, (4) Ontario Cancer Institute, University Health Network

P-B1  ANGIOGENIC CD56\textsuperscript{brigh}{\text{t}} NATURAL KILLER CELLS ACCUMULATE IN THE FOLLICULAR FLUID OF PATIENTS UNDERGOING IN VITRO FERTILIZATION
Ofer Fainaru[F](1), Hagay Amsalem(2), Robert F Casper (1)
(1)Toronto Centre for Advanced Reproductive Technology, Division of Reproductive Sciences, Department of Obstetrics and Gynaecology, University of Toronto, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (2)Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital.
P-B2  *Lactobacillus Rhamnosus* GR-1 stimulates granulocyte-colony stimulating factor (G-CSF) output in placental trophoblast cells in a fetal sex-dependent manner

Maryam Yeganegi[1,3], Chiashan G Leung[1], Andrew Martins[2], Sung O Kim[2], Gregor Reid[2], John RG Challis[1], Alan D Bocking[1,3].
(1) Department of Physiology & Obstetrics and Gynaecology, University of Toronto (2) Department of Microbiology & Immunology, University of Western Ontario, London, Ontario, (3) Samuel Lunenfeld Research Institute, Mount Sinai Hospital.

P-B3  Understanding the burden of cardiac disease among pregnant women at MOI teaching and referral hospital in Eldoret, Kenya: A retrospective review

Heather C Millar[M][1], Rachel F. Spitzer[1,2], Mathew Sermer[1,2], Hillary Mabeya[3], Elkanah Omenga[3].
(1) University of Toronto; (2) Department of Obstetrics & Gynaecology, Mount Sinai Hospital; (3) Moi Teaching and Referral Hospital, Eldoret, Kenya

P-B4  Endometrial protection and symptom control of a novel regimen of combination hormone replacement therapy using vaginal progesterone

Jamie Kroft[R], Natalie Klostermann, Evan Taerk, Wendy Wolfman.
Department of Obstetrics and Gynaecology, Mount Sinai Hospital, University of Toronto.

P-B5  Low vitamin D levels in an urban prenatal population: does seasonal or trimester variation explain it all? Implications for supplementation

(1) Dalhousie Medical School, Halifax, Nova Scotia, (2) Reproductive Endocrinology and Infertility and Menopause, Division of Endocrinology, Department of Medicine, St. Michael’s Hospital, (3) Division of Endocrinology, St. Michael’s Hospital, (4) Department of Obstetrics & Gynecology, St. Michael’s Hospital

P-C1  Early transvaginal ultrasound at 13-15 weeks is highly effective in detection of fetal anomalies.

Erika Frasca[M][1], Ants Toi[2], David Chitayat[3], Dan Farine[4], Karen Chong[3], Katherine Fong[2], Ori Nevo[5]. (1) Faculty of Medicine, University of Toronto, (2) Department of Medical Imaging, Mount Sinai Hospital, (3) Prenatal Diagnosis and Medical Genetics Program, Mount Sinai Hospital (4) Maternal Fetal Medicine, Department of Obstetrics and Gynaecology, Mount Sinai Hospital, (5) Maternal-Fetal Medicine, Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre. University of Toronto.

P-C2  Estrogen extraction from microdrop clinical samples by digital microfluidics

Noha Mousa[G][1], M.J.Jebrail[2], H. Yang, M. Abdelgawad[2], P. Metalnikov[3], A.R.Wheeler[2], Robert Casper[4] (1) Institute of Medical Science, Mount Sinai Hospital, University of Toronto, (2) Department of Chemistry, University of Toronto, (3) Ontario Cancer Biomarker Network, Toronto, (4) Department of Obstetrics and Gynecology, Mount Sinai Hospital and the University of Toronto
P-C3 A COMPARATIVE COST ANALYSIS OF LAPAROSCOPIC HYSTERECTOMY VERSUS ABDOMINAL HYSTERECTOMY

Clarissa Bambao[F], Romy Nitsch, Sasha Svyshonyuk, Grace Liu, Herb Wong.

Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre, University of Toronto.

P-C4 PRETERM PERMATURE RUPTURE OF MEMBRANES IN THE PRESENCE OF CERCLAGE: IS THE RISK FOR INTRA-UTERINE INFECTION INCREASED?

Matthew D Laskin[R](1), Yoav Yinon[F](2), Wendy Whittle(2).

(1) Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto, (2) Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto.

P-D1 HEREDITARY PERSISTENCE OF FETAL HEMOGLOBIN IN PREGNANCY

Ally Murji[R], Rajiv Shah, Howard Berger

Department of Obstetrics and Gynaecology, St. Micheal’s Hospital, University of Toronto.

P-D2 CRYOPRESERVATION OF OOCYTES: A RANDOMIZED CONTROLLED TRIAL COMPARING SLOW-FREEZING TO VITRIFICATION

Tina Lo (F), Ellen Greenblatt, Toni Di Berardino

Mount Sinai Centre for Fertility and Reproductive Health, Department of Obstetrics and Gynaecology, Mount Sinai Hospital.

P-D3 REPEAT STI SCREENING IN ADOLESCENT OBSTETRIC PATIENTS

Anjali Aggarwal[F](1,2), Rachel F Spitzer (1,2), Nicolette Caccia (1,2), Lisa Allen (1,2)

(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Hospital for Sick Children.

P-D4 DIFFERENTIAL EXPRESSION OF VON HIPPEL LINDAU (VHL) PROTEIN IN PHYSIOLOGICAL AND PATHOLOGICAL HUMAN PLACENTATION AND ITS ROLE IN FIBRONECTIN EXPRESSION

Livia Deda [G](1,2,3), Stacey Zamudio (4), Isabella Caniggia (1,2,3)

(1) Mount Sinai Hospital, Samuel Lunenfeld Research Institute, Departments of (2) Physiology and (3) Obstetrics and Gynaecology Faculty of Medicine, University of Toronto (4) Obstetrics and Gynaecology & Women's Health, New Jersey Medical School, Newark, NJ.

P-D5 THE POTENTIAL ROLE OF HLA-G IN HUMAN FIRST TRIMESTER UMBILICAL CORD STEM CELLS

Rong Xiao[PD], Wei Gong, Yu Peng, Junhai Zhao, Clifford L. Librach

Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre and Women’s College Hospital, University of Toronto.

P-E1 THE ROLE OF ANDROGEN SIGNALING IN THE ONSET OF LABOR. (WORK-IN-PROCESS)

Yunqing Li [G](1,2), Oksana Shynlova (1), Xuesen Dong (4), Stephen J Lye (1,2,3).

(1) Samuel Lunenfeld research Institute, Mount Sinai Hospital, Department of (2) Physiology and (3) Obstetrics & Gynaecology, University of Toronto, (4) Prostate Center at Vancouver General Hospital, University of British Columbia.
P-E2 OXYTOCIN PREEXPOSURE DOES NOT AFFECT OXYTOCIN INDUCED MYOMETRIAL CONTRACTIONS IN TERM PREGNANT WOMEN
Mrinalini Balki (1), Magda Erik-Soussi [O](1), Robert K. Parkes (1), John Kingdom (2), Jose CA Carvalho (1,2)
(1) Department of Anaesthesia and Pain Management and (2) Department of Obstetrics and Gynaecology, Mount Sinai Hospital, University of Toronto

P-E3 CELL CYCLE INHIBITOR, P27, IS DIFFERENTIALLY REGULATED IN EARLY SEVERE PREECLAMPTIC PLACENTAE COMPARED TO CONTROL
Jocelyn Ray[G], J Xu, Andrea Jurisicova, Isabella Caniggia.
Departments of Obstetrics and Gynaecology, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, University of Toronto.

P-E4 LAPAROSCOPIC PERITONEAL ENTRY PREFERENCES AMONG CANADIAN GYNAECOLOGISTS
Ambika Aneja [R], Jamie Kroft, Jessica Tyrwhitt, Artin Ternamian.
Department of Obstetrics and Gynaecology, Division of Gynaecologic Endoscopy, St. Joseph’s Health Centre, University of Toronto.

P-F1 DEXAMETHASONE STIMULATES PLACENTAL AMINO ACID TRANSPORT AND SYNCYTIOOTROPHOBLAST DIFFERENTIATION.
Melanie C Audette[G](1), Susan L Greenwood(2), Colin P Sibley(2), Carolyn J Jones(2), Stephen G Matthews(1), John R Challis(1), and Rebecca L Jones(2).
(1) Department of Physiology, University of Toronto, Canada and (2) Maternal and Fetal Health Research Group, University of Manchester, United Kingdom.

P-F2 PERIPHERAL LEUKOCYTES AS NOVEL TARGETS FOR THE PREVENTION OF PRETERM BIRTH
Tamara Nedd-Roderique[G](1,2), Oksana Shynlova (1), Anna Dorogin (1), Stephen Lye (1,2,3)
(1) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (2) Department of Physiology, and (3) Department of Obstetrics & Gynaecology, University of Toronto.

P-F3 EDUCATING SURGICAL SPECIALTY RESIDENTS FOR LEADERSHIP AND ADVOCACY IN CANADIAN HEALTHCARE REFORM
Noor Ladhani [R](1), Nan Okun (1), Heather Shapiro (1), Danielle Martin(2)
(1) Department of Obstetrics/Gynaecology and (2) Department of Family Medicine, University of Toronto.

P-F4 THE EXPRESSION OF PAR6 DURING HUMAN PLACENTATION
Tharini Sivasubramaniyan [G], Isabella Caniggia
Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto.

P-F5 OUTCOMES IN ROBOTIC-ASSISTED SURGERY FOR GYNECOLOGIC ONCOLOGY
Lilian T Gien [F], Barry Rosen, Marcus Bernardini
Division of Gynecologic Oncology, Princess Margaret Hospital, University of Toronto.
P-G1 INCIDENCE OF GESTATIONAL HYPERTENSIVE DISORDERS IN PREGNANCIES COMPLICATED BY IUGR: TWINS VERSUS SINGLETONS
Katy Gouin[F](1), Jon Barrett(1), Yoav Yinon(1), Ori Nevo(1).
(1)Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Sunnybrook Health Science Center, University of Toronto.

P-G2 P16 ONCOPROTEIN AS A TRIAGE TOOL IN PATIENTS WITH LOW GRADE SQUAMOUS INTRAEPITHELIAL LESION OF THE UTERINE CERVIX: A PILOT STUDY.
Clarissa Bambao [F](1), Golnar Rasty(2), Michael Shier(1). (1) Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre, (2) Department of Pathology, Sunnybrook Health Sciences Center, University of Toronto.

P-G3 USE OF COMPLEMENTARY MEDICINE (CAM) AMONG WOMEN RECEIVING CHEMOTHERAPY FOR OVARIAN CANCER: A COMPARISON OF ATTITUDES BETWEEN TWO PATIENT POPULATIONS
Limor Helpman Bek [F](1), S. E. Ferguson(1), M. Mackean(2), L. Le(1), A. Rogerson(2), A. Dewan(1), H. Mackay(1)
(1)Princess Margaret Hospital, Toronto, (2)Edinburgh Cancer Centre, Edinburgh

P-G4 ALTERED ADRENOCORTICAL REGULATION IN FEMALE OFFSPRING OF PRENATAL BETAMETHASONE-EXPOSED GUINEA PIGS: A TRANSGENERATIONAL STUDY
Majid Iqbal[G](1), A. Kostaki(1), S.G. Matthews(1, 2, 3).
Departments of (1)Physiology, (2)Obstetrics and Gynaecology and (3) Medicine, Faculty of Medicine, University of Toronto.

P-G5 OXYTOCIN BUT NOT ERGONOVINE OR CARBOPROST INHIBITS CONTRACTIONS IN OXYTOCIN PRE-EXPOSED PREGNANT RAT MYOMETRIUM
Mrinalini Balki (1); Alexandra L Cristian [M](1); Robert K. Parkes(2), John Kingdom (3), Jose C.A. Carvalho (1, 3)
(1)Department of Anaesthesia and Pain Management, Mount Sinai Hospital, (2)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (3)Department of Obstetrics and Gynaecology, Mount Sinai Hospital.

P-H1 RETINAL HEMORRHAGES IN TERM NEWBORNS AFTER INSTRUMENTAL VERSUS SPONTANEOUS VAGINAL DELIVERY – A SYSTEMATIC REVIEW AND META-ANALYSIS
Taher Al Jishi [F](1), P Gareth Seaward (2)
(1)Department of Obstetrics and Gynaecology, Mount Sinai Hospital, (2)Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital

P-H2 A NOVEL ED-BASED SEXUAL ASSAULT CENTER IN WESTERN KENYA: DESCRIPTION OF PATIENTS AND ANALYSIS OF TREATMENT PATTERNS
Elissa Rennert-May[M](1), Megan L Ranney(2), Rachel Spitzer(3), Hillary Mabeya(4).
(1) Department of Undergraduate Medicine, Faculty of Medicine, University of Toronto, (2) Department of Emergency Medicine, Faculty of Medicine, Brown University, (3) Department of Obstetrics and Gynaecology, Faculty of Medicine, University of Toronto, (4) Department of Reproductive Health, Faculty of Medicine, Moi University.
**P-H3** A ROLE FOR MCL-1 IN REGULATING CELL CYCLE PROGRESSION IN PLACENTAL DEVELOPMENT AND PATHOLOGIES  
*Manpreet Kalkat* (G)(1), *Alessandro Rolfo* (2), *Isabella Caniggia* (1,2).  
(1) Department of Physiology, University of Toronto; (2) Department of Obstetrics and Gynaecology, Mount Sinai Hospital, Samuel Lunenfeld Research Institute.

**P-H4** RECRUITMENT INITIATIVES TO COMBAT MID-TRIAL FATIGUE  
*Christine Tassopoulos*[O](1), *Dalal Mason*(1), *Sheila Hewson*(1), *Elizabeth Asztalos*(1), *Jon Barrett*(2).  
(1)Centre for Mother, Infant, and Child Research, Sunnybrook Health Sciences Centre, (2)Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre.

**P-H5** A NOVEL ROLE FOR UROCORTIN 2 IN CELL CYCLING REGULATION  
*Letizia Galleri* [PD](1), *JRG Challis* (1, 2), *Isabella Caniggia* (1, 3, 4)  
(1) Department of Physiology, University of Toronto, (2) Michael Smith Foundation for Health Research, Vancouver, BC, (3) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (4) Department of Obstetrics and Gynecology, University of Toronto.

**P-I1** VASCULAR DYSFUNCTION IN WOMEN WITH A HISTORY OF PRE-ECLAMPSIA AND INTRAUTERINE GROWTH RESTRICTION: INSIGHTS INTO FUTURE CARDIOVASCULAR RISK  
*Yoav Yinon* [F](1), *David Cherney*(2), *Ori Nevo*(3), *John Kingdom*(1), *Michelle Hladunewich*(2)  
(1) Maternal-Fetal Medicine Division, Department of Obstetrics and Gynecology, Mount Sinai Hospital, (2) Division of Nephrology, University Health Network, Toronto General Hospital, (3) Department of Obstetrics and Gynecology, Sunnybrook Health Sciences Centre, University of Toronto.

**P-I2** THE TIMING OF DELIVERY FOR MONOCHORIONIC VS. DICHORIONIC TWINS  
*Sharon Maslovitz*[F](1), *Ori Nevo*(1), *Andrea Lausman*(2) *Jon F. R. Barrett*(1),  
(1)Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Sunnybrook Health Sciences Centre, (2) Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, St Michaels Hospital.

**P-I3** SENTINEL LYMPH NODE BIOPSY IMPROVES DETECTION OF METASTATIC LYMPH NODES IN EARLY CERVICAL CANCER  
(1) Division of Gynecologic Oncology, (2)Department of Anatomic Pathology, Sunnybrook Health Sciences Centre, University of Toronto.

**P-I4** OMEGA-3 FATTY ACID SUPPLEMENTATION REDUCES OBESITY, IMPROVES GLUCOSE TOLERANCE AND INSULIN RESISTANCE IN C57BL/6J MALE MICE SUBJECTED TO ANTENATAL DIET RESTRICTION  
*Lauren Chun* [G](1), *Brian Knight* (1), *Stephen Lye* (1)(2).  
(1) Department of Physiology, University of Toronto, (2) Samuel Lunenfeld Research Institute, Mount Sinai Hospital.
P-I5  THREE YEAR RESULTS OF THE TRANSOBTURATOR TENSION FREE VAGINAL TAPE PROCEDURE FOR STRESS URINARY INCONTINENCE  
Kalpana Sharma [R], Lisa Merovitz, Patricia Lee  
Division of Urogynaecology, Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre, University of Toronto

P-J1  WHAT IS KEEPING ESTROGEN INSIDE THE HUMAN OVARIAN FOLLICLE?  
(1)Toronto Center for Advanced Reproductive Technologies (TCART), (2) Samuel Lunenfeld Research Institute.

P-J2  UPDATE: HEPARIN FOR THE PREVENTION OF COMPLICATIONS RELATED TO PLACENTAL INSUFFICIENCY - THE HEPRIN RANDOMIZED CONTROLLED TRIAL  
Leslie Proctor[O](1), Jodie Dodd(1), Rory Windrim(1), Anne McLeod(2), Edmund Kelly(3), Sarah Keating(4), Howard Berger(5), Ori Nevo(6), John Kingdom(1)  
(1) Maternal-Fetal Medicine Division, (2)Haematology, (3) Neonatology, (4) Perinatal Pathology, Mount Sinai Hospital, (5) Maternal-Fetal Medicine, St Michael’s Hospital, (6). Maternal-Fetal Medicine, Sunnybrook Health Sciences Centre, University of Toronto.

P-J3  HUMAN EMBRYONIC FIBROBLAST LINES PROVIDE ENHANCED SUPPORT OF HUMAN EMBRYONIC STEM CELLS IN XENO-FREE CULTURE CONDITIONS  
Mark Kibschull [PD] (1), Maria Mileikovsky (1), Andras Nagy (1), Stephen Lye (1,2,3).  
(1)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Departments of (2)Obstetrics & Gynaecology and (3)Physiology, University of Toronto.

P-J4  CAN PEDIATRIC & ADOLESCENT GYNAECOLOGICAL CARE BE DELIVERED VIA TELEHEALTH?  
Shannon Corbett [R], Anjali Aggarwal, Joley Johnstone, Melanie Ornstein, Sari Kives, Lisa Allen, Nicolette Caccia  
Department of Paediatric & Adolescent Gynaecology, Hospital for Sick Children, University of Toronto.

P-J5  BARRIERS TO COMPLIANCE WITH COLPOSCOPY/FOLLOW-UP IN A POPULATION OF PATIENTS WITH PAP SMEAR ABNORMALITIES: A SURVEY APPROACH.  
Andrea N Simpson [M](1), Catriona J Buick(2), K Joan Murphy(2)  
(1)University of Toronto, (2)Department of Gynaecologic Oncology, Princess Margaret Hospital, University of Toronto.

P-K1  DIFFERENTIATION OF HEPATOCYTES FROM HUMAN FIRST TRIMESTER UMBILICAL CORD STEM CELLS  
Junhai Zhao [PD], Rong Xiao, Shangmian Yie, Clifford L. Librach  
Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre, Women’s College Hospital, University of Toronto.
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P-K2 THE “DUC” TRIAL: A RANDOMIZED CONTROLLED TRIAL OF IMMEDIATE VS. DELAYED CORD CLAMPING IN PRETERM INFANTS BORN BETWEEN 24 AND 32 WEEKS’ GESTATION [Work in progress]
Kelly Chu [R] (1), Kellie Murphy (2), Wendy Whittle (2), Rory Windrim (2), Prakesh Shah (3).
(1)University of Toronto(2) Maternal-Fetal Medicine, Mount Sinai Hospital, (3) Neonatal Intensive Care Unit, Mount Sinai Hospital.

P-K3 KISSPEPTIN CELL MODELS FROM THE HYPOTHALAMUS
Ginah L. Kim[G](1), Sarah Gingerich(1), Maria-Luisa Centeno(1), Xiaomei Wang(1), Jennifer A. Chalmers(1), Margaret M. Koletar(1), David R. Thompson(1), Denise D. Belsham(1,2,3).
(1)Departments of Physiology, (2)Medicine, and (3)Obstetrics and Gynaecology, University of Toronto.

P-K4 IS THERE A ROLE FOR SCREENING FOR BACTERIAL VAGINOSIS AT THE TIME OF IUD INSERTION? [Work-in-Progress]
Alice Pham [R] (1), Mark H. Yudin (2), Sari Kives (2), Romy Nitsch (3), Lisa Merovitz (3)
(1) Department of Obstetrics & Gynaecology, University of Toronto, (2) Department of Obstetrics & Gynaecology, St. Michael’s Hospital, (3) Department of Obstetrics & Gynaecology, Sunnybrook Health Sciences Centre.

P-K5 MCL-1 IS A PROSURVIVAL FACTOR THAT REGULATES OVARIAN FOLLICLE FATE AND REPRODUCTIVE FUNCTION
Shakib Omari[G](1), Andrea Jurisicova(1,2).
(1) Department of Physiology, University of Toronto, (2) Department of Obstetrics and Gynecology, Samuel Lunenfeld Research Institute, Mount Sinai Hospital

P-L1 EXPRESSION AND REGULATION OF BREAST CANCER RESISTANCE PROTEIN (BCRP1) IN THE MOUSE PLACENTA AND FETAL BLOOD-BRAIN BARRIER
Sophie Petropoulos [G](1), A Kostaki(1), W Gibb(4), SG Matthews(1)(2)(3). Departments of (1)Physiology, (2)Obstetrics and Gynaecology, (3)Medicine, University of Toronto; Departments of (4)Obstetrics and Gynecology, Cellular and Molecular Medicine, University of Ottawa.

P-L2 DOES SIZE MATTER? ASSOCIATIONS BETWEEN SUBMUCOSAL UTERINE FIBROID SIZE AND COMPLICATIONS DURING HYSTEROSCOPIC MYOMECTOMY
Suma Shastry [F], Mark Yudin, Deborah Robertson, Abheha Satkunaratnam, Guylaine Lefebvre.
Department of Obstetrics & Gynaecology, St Michael’s Hospital.

P-L3 IS ZONA PELLUCIDA THICKNESS AN INDICATOR OF EMBRYO IMPLANTATION POTENTIAL?
Siamak Bashar [O], Gelareh Motamedi, Agata Sojecki, Rodica Mandel, Hanna Balakier, and Clifford Librach
CReATe Fertility Center, Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre and Women’s College Hospital, University of Toronto.
P-L4  DAB2 MEDIATES GLUCOCORTICOID RECEPTOR SIGNALING IN EPITHELIAL OVARIAN CANCER CELLS.
Alicia Tone [G] (1-4), Carl Virtanen (5), Patricia Shaw (2-4), Theodore J. Brown (1,3). (1)The Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Departments of (2)Laboratory Medicine and Pathobiology, and (3)Obstetrics and Gynaecology, University of Toronto, and (4)Department of Pathology, and the (5)Microarray Center, University Health Network.

P-L5  SPECTRUM OF VASCULAR LESIONS ASSOCIATED WITH FETAL VASCULAR OBSTRUCTION
Aseel Hamoudi [R], Sarah Keating, John Kingdom, Geoffrey Machin.
Department of Perinatal Pathology, Mount Sinai Hospital, University of Toronto.

Research Day Awards

The 2009 J.W. Knox Ritchie Research Awards for best abstract/presentation by trainee category and the Papsin Award were awarded during the celebratory wine and cheese reception at the end of Research Day. Congratulations to the winners, shown below.

Clinical Fellow: Clarissa Bambao (Supervisor: Michael Shier) for Poster presentation G2
Graduate Student: Shadab Rahman (Supervisor: R. Casper) for Oral presentation O8
Post-Doctoral Fellow: Sascha Drewlo (Supervisor: J. Kingdom) for Oral presentation O10
Resident: Kelly Chu (Supervisor: K. Murphy) for Poster presentation K2
Medical Student: Erika Frasca (Supervisor: O. Nevo) for Poster presentation C1

In addition, the Papsin Award for postgraduate resident in final year of training, based on teaching ability, mentorship activities and leadership, as chosen by peers, was awarded to Lynne Zolis.
RESEARCH GRANTS AND INVESTIGATIONS

PI=Principal Investigator; CI=Co-Investigator


**Adamson SL** (PI), Nagy A (CI). Role of placental VEGF-A and FLT1/sFLT1 in placental vascularity, fetal growth, and maternal function in mice. Canadian Institutes of Health Research, Operating Grant, $1,028,010 ($205,602 per annum), April 1, 2009 – March 31, 2014.


**Alarab May** (PI). **Drutz HP** (Co-I) Expression of modulators of collagen and elastin remodeling in vaginal wall of postmenopausal women with severe pelvic organ prolapse. University of Toronto Faculty of Medicine, Dean’s Fund, New Staff Grant, $10,000, March 1, 2009 – 2014.


Amsalem H, **Kingdom J**. Decidual neutrophils a novel finding: Their role in second trimester placentation. Physicians’ Services Incorporated, Resident Research Grant. $15,000, 2009-2010.


Baratz A (Co-PI) Post-patient Encounter Reflection Tool: (Pertinent): In the Moment Reflection to Enhance Integration of the CanMEDS Roles into the Clinical Setting. SHUTC Academic Trust Fund, $6,800, 2009.

Barrett J (Principal Investigator); Allen AC, Armson BA, Asztalos EV, Farrell SA, Gafni A, Hannah ME, Hutton EK, Joseph KS, Ohlsson A, Okun NB, Ross SJ, Willan AR (Co-Investigators), Zaltz A (Site Coordinator). The Twin Birth Study: A multicentre randomized controlled trial comparing planned Caesarean section with planned vaginal birth for twins at 32-38 weeks’ gestation. Canadian Institutes of Health Research Grant Award (Randomized Controlled Trials), $8,608,045 total, $956,449 per annum, 2003 – 2011.

Belsham, Denise D. Molecular mechanisms dictating control of neuroendocrine function by estrogen. CIHR, Operating Grant, $752,940, 2009 – 2014.

Benhabib B, Bakirtzian A, Ternamian A. Collaborative project to establish a force sensing platform for safe laparoscopic port creation in minimally invasive surgery. In collaboration with the Department of Clinical Biomedical Engineering, the Department of Kinesiology, Division of Gynecologic Endoscopy and the Department of Research and Knowledge Management at St. Joseph’s Health Centre, Toronto, $2,500 and in kind donations. 2007 – 2011.


Belsham DD (Principal Investigator). Canada Research Chair Award in Neuroendocrinology, Tier 2, $500,000 total, $100,000 per annum, July 2004 – June 2009.


Benhabib B, Bakirtzian A, Ternamian A. Collaborative project to establish a force sensing platform for safe laparoscopic port creation in minimally invasive surgery. In collaboration with the Department of Clinical Biomedical Engineering, the Department of Kinesiology, Division of Gynecologic Endoscopy and the Department of Research and Knowledge Management at St. Joseph's Health Centre, Toronto, $2,500 and in kind donations. 2007 – 2011.


Berger H (Co-PI). Developmental outcomes of adolescents exposed in utero to corticosteroids - follow up of a randomized controlled study. SickKids Foundation, $151,800, May 2008.


Bernardini M. Clinical and immunohistochemical classification for carcinosarcoma of the uterus. University of Toronto Department of Obstetrics and Gynaecology Research Fund, $10,000, 2009.


Bocking AD. (Principal Investigator); Challis JR, Reid G (Co-Investigators). Role of lactobacilli in maternal and perinatal health. Canadian Institutes of Health Research, $96,070 per annum, 2007 – 2012.


Brown TJ (PI), Ringuette M, Winegarden N. Androgen modulation of TGFβ signaling in ovarian cancer cells. CIHR Operating Grant, $598,000, 2009 – 2013.


Bruneau B (Principal Investigator), Chitayat D. Genetic basis of cardiac development and malformation. Canadian Institutes of Health Research, $496,312, 2005 – 2010.

Caccia N. Development of a Web-based course covering the basics of common problems in the delivery of sub-specialty care in Paediatric & Adolescent Gynaecology for Obstetrics & Gynaecology Post-Graduate Trainees at the University of Toronto. University of Toronto Information Technology Courseware Development Fund, $5000, 2008.

Caccia N. Development of a Web-based Post-Graduate Medical Education Course in the Fundamentals of Paediatric & Adolescent Gynaecology for Canadian Trainees in Obstetrics & Gynaecology. The Dr. Sheila Cohen Endowment for Women’s Health, NorthYork General Hospital Foundation, $10,000, 2009.


Cadesky K (PI). AMH as a predictor of ovarian reserve. LifeQuest Center for Reproductive Medicine, General Research Fund, 2009.


Campbell MK (Principal Investigator), Bocking AD (Co-Investigator). Maternal and infant health, health services needs and utilization following term and preterm birth; Outcomes in cohort assembled antenatally. Canadian Institutes of Health Research Operating Grant, $100,275 per annum, 2005 – 2009.


Caniggia I (Principal Investigator). The role of oxygen in regulating placental development. Canadian Institutes of Health Research Operating Grant, $787,490 total, $156,000 per annum, 2008 – 2013.

Caniggia I. Towards understanding the pathogenesis of preeclampsia. Canadian Institutes of Health Research Ontario Women's Health Council/The Institute of Gender and Health (IGH) Mid-Career Award, $80,000 per annum, 2005 – 2010.

Caniggia I (Principal Investigator), Jurisicova A (Co-Investigator). The role of Bcl-2 family members in regulating placental cell fate. Canadian Institutes of Health Research Operating Grant, $ 757,050 total, $150,000 per annum, 2008 – 2013.


Casper RF, Jurisicova A (Principal Applicants), Perez GI. (Co-Applicant). Enhancing early embryo development in assisted reproduction. Canadian Institutes of Health Research Operating Grant – MOP 14058, $121,240 per annum, April 2005 – March 2010.

Casper RF (Principal Applicant), Rogers I (Co-PI) Stem cells for treatment of peripheral vascular disease. BioDiscovery Toronto, Operating Grant, $50,000, 2008 – 2009.

Challis JRG (PI), Bloomfield F, Gluckman P, Matthews S, Newnham J. Control of parturition. Canadian Institutes of Health Research (CIHR) Group in Fetal and Neonatal Health and Development, Operating Grant, $1,050,000 total, $210,000 per annum, 2004 – 2009.
**Challis JRG, Lye SJ** (Co-PIs). Paracrine controls of human labour. Canadian Institutes of Health Research, $792,120; $158,424 per annum; Operating grant, October 2005 – September 2010.

**Challis JRG** (PI), **Lye SJ**, MacCalman CD, Rurak DW, Gibb W. Regulation of prostaglandin synthesis, metabolism and action in pregnancy and parturition. Canadian Institutes of Health Research, Operating Grant, $792,450; $158,490 per annum, October 1, 2004 – September 30, 2009.


Classens C (PI), Ferguson SE (CI), Urowitz S (CI), Wiljer D (CI). Development of an internet-based support group for sexual problems due to gynecologic cancer. NCIC, $35,000, May 1, 2008 – April 30, 2010.


Dalton AJ, Aisen P, Sano M (PIs); Percy M (National (Canadian) Coordinator and Surrey Place Centre (SPC) Site Coordinator) plus investigators from 20 other sites; International Multisite Clinical Trial of Vitamin E in Aging Persons with Down Syndrome. National Institute on Aging, National Institute of Child Health and Human Development, and National Center of Complementary and Alternative Medicine (RO1-AGO16381), $10 million overall, $1 million per annum overall, 2008-09 stipend to SPC, $900; 2001 – 2011.


Dupre J (Principal Investigator), Dosch H-M, Lawson ML, Orbine E, Fraser WD, Sermer M (Principal Investigator, Toronto Site). Trial to reduce Insulin Dependent Diabetes Mellitus (IDDM) in the genetically at risk (TRIGR). National Institutes of Health, Canadian Institutes of Health Research, $426,000 per annum, 2002 – 2012.


Ferguson SE (PI), Urowitz S (Co-PI), Classens C (Co-PI). Development and validation of the modified sexual adjustment and body image scale in women with a diagnosis of gynecologic cancer (SABIS-G). Department of Obstetrics and Gynaecology, University of Toronto, Research award, $5000, 2009.


Friedman JM (Principal Investigator), Chitayat D. Identifying human mutations that cause mental retardation. Canadian Institutes of Health Research, $2,498,538, 2005 – 2010.


Josse R (Principal Investigator), Derzko CM, Rubin L (Co-Investigators). The efficacy and safety of 2g strontium ranelate in the treatment of male osteoporosis: A prospective multicentre, international, double-blind, placebo-controlled study with a treatment duration of 2 years and the main study analysis after 1 year. Servier Protocol CL3-12911-032 Total operating budget: $6,995 per patient, 2007 – 2011.


Jurisicova A. Canada Research Chair. CIHR, $175,000, July 1, 2008 – June 30, 2013.


Jurisicova A. Mouse models of ovarian cancer. Grant Miller Research Foundation, $20,000 per annum, 2008.


Lambe EK (PI). Cellular and molecular mechanisms underlying development and plasticity of prefrontal attention circuitry. Canadian Institutes of Health Research, $718,025 total; $143,605 per annum, 2008 – 2013.

Lambe EK (PI) Mechanism of aberrant attention circuitry in a mouse model of Fragile X mental retardation. Scottish Rite Charitable Foundation, New Investigator Operating Grant, $105,000 total; $35,000 per annum; 2008 – 2011.


Lee SK. Maternal Infant Care (MICare) Research. Ontario Ministry of Health & Long Term Care, $15,000,000, 2009 – 2013.


Letarte M (Principal Investigator). The role of endoglin in the normal vasculature and in the pathology of Hereditary Hemorrhagic Telangiectasia. Heart & Stroke Foundation, $370,767 total, $92,671 per annum, Operating Grant, 2005 – 2009.


Levitan RD (Principal Investigator), Matthews SG. Sociobiological and genetic predictors of the stress response in chronic major depression. CIHR, Operating Grant, $200,000 total, $100,000 per annum, 2007 – 2009.


Lye SJ. Fetal, neonatal and maternal health. CIHR, Tier 1 Canada Research Chairs Program, Operating grant, $1,400,000; $200,000 per annum, July 1, 2008 – June 30, 2015.

Lye SJ (PI), Adamson SL, Challis JRG, Danska J, Matthews S, Osborne L, Pennell C, Rossant J (CIs). A murine model to investigate the mechanisms underlying DOHaD. Canadian Institutes of Health Research, Operating grant, $373,673, $124,558 per annum, October 1, 2006 – September 30, 2009.


Matthews SG, Meaney M (Co-Directors). Maternal adversity, vulnerability & neurodevelopment. Canadian Institutes of Health Research, Program Grant, $3,750,000 total, $750,000 per annum, 2003 – 2009.


McCulloch C(PI), Brown TJ, Ringuette M. Bone sialoproteins in skeletal metastasis. CIHR, Operating Grant, $430,822, 2008 – 2011.


Meaney M (Principal Investigator). Matthews SG. Genes, Environment & Health Training Grant. Canadian Institutes of Health Research, Training Grant. $1,440,000 total, $240,000 per annum, 2003 – 2009.


Miranda V, Lovatsis D. Randomized controlled trial of cystocele plication risks (CPR Trial). MSH Research Fund, $6,150, April 2009.


Nevo, Ori. The role of sFlt-1 heterodimers in the pathogenesis of preeclampsia. Dean's Fund New Staff Grants, University of Toronto, $10,000, 2009.

Olson D, Lee SK. Preterm birth and healthy outcomes. AHFMR, $5,000,000, 2008 – 2013.

Olson D (Principal Investigator), Bocking AD. Preterm birth and healthy outcomes. Alberta Heritage Foundation for Medical Research (AHFMR), $1,000,000 per annum, 2008 – 2012.


Palmer L (PI), Pennell C, Beilin L, Newnham J, Lye S, Smith D. A genome-wide search for genes underlying the developmental origins of health and disease. National Health and Medical Research Council (Australia), Operating Grant, $897,878; $299,293 per annum, January 1, 2009 – December 31, 2011.

Perumalla C (Primary Applicant), Belsham DD (Co-Applicant). Laboratory enrichment to enhance the educational experience of life sciences students. Academic Initiative Fund, $700,000, May 2007 – May 2009.


Sellers T (PI), **Narod S** (Co-Applicant). Haplotype-based genome screen for ovarian cancer loci. NIH/NCI, Grant #: R01 CA114343-01 A2, $50,000 US, March 2007 – February 2010.


**Sermer M**. (Co-PI) Hemodynamics and hormonal changes in pregnant women with heart disease; Understanding the effects of pregnancy on the diseased heart. Heart and Stroke Foundation of Canada, $74,000 per annum, 2006 – 2008.

**Sermer M** (Co-Investigator). Longitudinal association of adipocytokines and markers of subclinical inflammation with changes in insulin resistance and beta-cell function in women with a history of gestational diabetes mellitus. Canadian Institutes of Health Research, $148,969 per annum, 2007 – 2012.


**Sermer M** (Co-Principal Investigator). Neurodevelopmental outcome in offspring of women with heart disease. Heart and Stroke Foundation of Canada, $123,080 per annum, 2006 – 2009.


**Sermer M** (Collaborator). Thrombophilia in Pregnancy Prophylaxis Study. Heart and Stroke Foundation of Canada, $24,000 per annum, 2006 – 2011.


Theriault B (PI), Gallie B (Supervisor), Bernardini M (Collaborator). Expression profiling of the novel cancer gene KIF14 in ovarian cancer. DOD-CDMRP, US Department of Defence Congressionally Directed Medical Research Program, Grant # OC080083, $100,000 per annum, March 2009 – March 2012.


Tremblay L, Ternamian A (Principal Investigators), Tyrwhitt J. Interdisciplinary collaborative robotic automated port application research. Department of Kinesiology, the Division of Gynecologic Endoscopy and the Department of Research and Knowledge Management at St. Joseph's Health Centre, Toronto, $5000 and in kind donations, 2007 – 2011.


Vranic M (Principal Investigator), Matthews SG (Co-Investigator). Physiological and molecular mechanisms of hypoglycemic counterregulation in diabetic rats. Canadian Diabetes Association, Operating Grant, $142,500 total, $67,500 (1st yr), $75,000 (2nd yr), 2007 – 2009.


Wolfman, W (Principal Investigator), Kroft, J. Effects of vaginal progesterone on vaginal atrophy, Department of Obstetrics and Gynaecology, Mount Sinai Hospital Research Fund, $2,500, April 2008.


Wong H, Moody A. A methodology study to investigate magnetic resonance direct thrombus imaging for assessment of lesion response to standard treatment in endometriosis. Pfizer, 2008.

Yudin M (Principal Investigator). Access to infertility services in Ontario for couples in which one or both partners is HIV-positive. AIDS Bureau, Ontario Ministry of Health and Long-Term Care, $17,635, 2007 – 2008.


Zandstra P (Principal Investigator), Rogers I, Audet J (Co-Investigators). Integrating analytical and computational proteomics to increase in vitro human blood stem cell output. The Natural Sciences and Engineering Research Council of Canada (NSERC) Collaborative Research and Development (CRD) program, $360,000, January 2006 – December 2008.
# ABBREVIATIONS USED IN THIS REPORT

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Full Form</th>
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<tbody>
<tr>
<td>AACR</td>
<td>American Association for Cancer Research</td>
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<td>AAGL</td>
<td>American Association of Gynecologic Laparoscopists</td>
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<td>ACMG</td>
<td>Annual Clinical Medical Genetics Meeting</td>
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<td>AHA</td>
<td>American Heart Association</td>
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<tr>
<td>AHFMR</td>
<td>Alberta Heritage Foundation for Medical Research</td>
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<tr>
<td>AIUM</td>
<td>American Institute of Ultrasound in Medicine</td>
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<tr>
<td>APOG</td>
<td>The Association of Professors of Obstetrics &amp; Gynaecology of Canada</td>
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<td>ASCO</td>
<td>American Society of Clinical Oncology</td>
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<td>ASHG</td>
<td>American Society of Human Genetics</td>
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<td>ASRM</td>
<td>American Society for Reproductive Medicine</td>
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<td>CAGS</td>
<td>Canadian Association of General Surgeons</td>
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<td>CAHR</td>
<td>Canadian Association of HIV Research</td>
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<tr>
<td>CANPAGO</td>
<td>Canadian Paediatric and Adolescent Gynaecology/Obstetrics Committee (SOGC)</td>
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<td>CAPHC</td>
<td>Canadian Association of Paediatric Health Centres</td>
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<td>CaRMS</td>
<td>The Canadian Resident Matching Service</td>
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<td>CARO/ACRO</td>
<td>Canadian Association of Radiation Oncology</td>
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<td>CBCRA</td>
<td>Canadian Breast Cancer Research Alliance</td>
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<td>CCC</td>
<td>Canadian Cardiovascular Congress</td>
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<td>CERI</td>
<td>Canadian Epilepsy Research Initiative</td>
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<td>CFPC</td>
<td>College of Family Physicians of Canada</td>
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<tr>
<td>CIHR</td>
<td>Canadian Institutes of Health Research</td>
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<tr>
<td>CMICR</td>
<td>The Centre for Mother, Infant, and Child Research</td>
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<tr>
<td>CFRC</td>
<td>Centre for Fertility and Reproductive Care (MSH)</td>
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<td>CUA</td>
<td>Canadian Urologic Association</td>
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<td>ECNP</td>
<td>European College of Neuropsychopharmacology</td>
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<td>EPA</td>
<td>European Placenta Group</td>
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<td>FCMS</td>
<td>Federation of Chinese American and Chinese Canadian Medical Societies</td>
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<td>FORCE</td>
<td>Facing Our Risk of Cancer Empowered</td>
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<td>GOC</td>
<td>The Society of Gynecologic Oncology of Canada</td>
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<td>HSC</td>
<td>Hospital for Sick Children</td>
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<tr>
<td>IBD</td>
<td>Inflammatory Bowel Disease</td>
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<td>ICONN</td>
<td>The International Collaboration of Neonatal-perinatal Networks</td>
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<td>ICS</td>
<td>International Continence Society</td>
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<td>IGCS</td>
<td>International Gynecologic Cancer Society</td>
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<td>IFMSS</td>
<td>The International Fetal Medicine and Surgery Society</td>
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<tr>
<td>IFPA</td>
<td>International Federation of Placenta Associations</td>
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<td>IPEG</td>
<td>International Pediatric Endoscopy Group</td>
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<td>ISSHP</td>
<td>The International Society for the Study of Hypertension in Pregnancy</td>
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<td>IUGA</td>
<td>International Urogynecological Association</td>
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<td>MEFS</td>
<td>Middle East Fertility Society</td>
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<td>MICYRN</td>
<td>Maternal Infant Child and Youth Research Network</td>
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<td>MSH</td>
<td>Mount Sinai Hospital</td>
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<td>NAFTNet</td>
<td>The North American Fetal Therapy Network</td>
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<td>NASPAG</td>
<td>North American Society of Pediatric Gynecology Annual Clinical Meeting</td>
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<td>NESA</td>
<td>New European Surgical Academy</td>
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<td>NCI</td>
<td>National Cancer Institute (part of NIH)</td>
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<td>NIDA</td>
<td>National Institute on Drug Abuse</td>
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<td>NIH</td>
<td>National Institutes of Health</td>
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<td>NSERC</td>
<td>Natural Sciences and Engineering Research Council of Canada</td>
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<td>NYGH</td>
<td>North York General Hospital</td>
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<td>NYSORA</td>
<td>The New York School of Regional Anesthesia</td>
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<tr>
<td>OGS/OGSST</td>
<td>Ontario Graduate Scholarship/Ontario Graduate Scholarship in Science and Technology</td>
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<td>Ornge</td>
<td>Formerly Ontario Air Ambulance</td>
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<td>OMA</td>
<td>Ontario Medical Association</td>
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<tr>
<td>PAG</td>
<td>Paediatric and Adolescent Gynaecology</td>
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<td>PAS</td>
<td>The Pediatric Academic Societies</td>
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<td>PAX</td>
<td>Peritoneal Society: New name: PnS: Peritoneum and Surgery</td>
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<td>PMH</td>
<td>Princess Margaret Hospital</td>
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<td>PSI</td>
<td>Physicians’ Services Incorporated</td>
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<td>RCOG</td>
<td>Royal College of Obstetricians and Gynaecologists (UK)</td>
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<td>RCPSC</td>
<td>Royal College of Physicians and Surgeons of Canada</td>
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<tr>
<td>SAEM</td>
<td>Society for Academic Emergency Medicine</td>
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<td>SAGES</td>
<td>Society of American Gastrointestinal and Endoscopic Surgeons</td>
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<td>SGI</td>
<td>Society for Gynecologic Investigation</td>
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<td>SGO</td>
<td>Society of Gynecologic Oncologists</td>
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<tr>
<td>SHSC</td>
<td>Sunnybrook Health Sciences Centre</td>
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<tr>
<td>SHUTC</td>
<td>Sunnybrook Hospital University of Toronto Clinic (legal name, operates, as of 1973, as Academic Clinicians’ Management Services)</td>
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<tr>
<td>SIECAN</td>
<td>Sex Information and Education Council of Canada</td>
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<td>SIR</td>
<td>Society of Interventional Radiology</td>
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<td>SJHC</td>
<td>St. Joseph’s Health Centre</td>
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<td>SLRI</td>
<td>Samuel Lunenfeld Research Institute</td>
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<td>SMH</td>
<td>St Michael’s Hospital</td>
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</table>
SOGC  Society of Obstetricians and Gynaecologists of Canada
STGO  Tunisian Society of Gynaecology and Obstetrics

TEGH  Toronto East General Hospital

UHN   University Health Network
USCAP United States and Canadian Academy of Pathology

WAGO  Western Association of Gynecologic Oncologists
WEBE Weekend to End Breast Cancer
WHI   Women’s Health Initiative
WHO   World Health Organization

**Peer-Reviewed Publications**
This publication uses the Index Medicus style of citation.
We have come a long way

- 1962 – 8 (+7 ideas)
- 2009 – 72 papers
The Department would like to acknowledge the work of Helen Robson, Franca Conciatore and Karen Healy in producing this report.

Cover design by Karen Healy