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

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Fax: 416 978 8350
Website: http://www.obgyn.utoronto.ca/
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RESEARCH GRANTS AND INVESTIGATIONS ........................................................................ 108
At the end of my first 5-year term as Chair of the University of Toronto Department of Obstetrics and Gynaecology, it is a great pleasure to introduce the Department’s Annual Report for the academic year 2007-2008.

One of the highlights of this year was the external review of the Department, which was carried out in December of 2007 by Dr. Robert Liston from the University of British Columbia and Dr. Michael Nelson from Washington University in St. Louis. I was delighted to see that these highly respected individuals have identified our Department as one of the top ten academic departments of Obstetrics and Gynaecology in the world. Although we are certainly well aware of the excellent academic and clinical activities carried out by our department members every day, it is nice to see this validated by external experts in the field.

Members of our Department also received many outstanding awards. Some of the highlights include the APOG (Association of Professors of Obstetrics and Gynaecology) choice of Dr. Stephen Lye as the recipient of the Research Excellence Award for 2007. This is a national award given annually to one individual for his or her contributions to research excellence in our discipline, with a particular focus on mentorship. Dr. Heather Shapiro received the Carl Nimrod Educator of the Year Award at the Annual Meeting of APOG, in recognition of her contributions to Postgraduate Education.

Dr. Andrea Jurisicova received a Canada Research Tier II Award in molecular reproductive biology, and Dr. John Challis received the McLaughlin Medal from the Royal Society of Canada, as well as being appointed a University Professor. We are sorry to lose Dr. Challis to British Columbia, where he has taken up a new role as President and Chief Executive Officer of the Michael Smith Foundation. However, he will continue his academic appointment in the Departments of Physiology and Obstetrics and Gynaecology at the University of Toronto and will continue to be an active collaborator with many members of our department. We wish him well in his new role.

Research Day was a great success once again and we were very pleased to welcome Dr. Andrew Berchuck, from Duke University, who gave an outstanding talk on “Individual ovarian cancer treatment and prevention in the genomic era”.

...
In closing, it is a privilege and honour for me to be asked to continue for a second 5-year term as Chair of the University of Toronto Department of Obstetrics and Gynaecology. I would like to thank all the members of our faculty, as well as our administrative staff, for their outstanding contributions. I would like, particularly, to thank Dr. Jennifer Blake, who has agreed to serve as Acting Chair for the next six months, and I know that the Department is in very good hands. I hope that you enjoy reading this Annual Report and will share the same pride that I have for the remarkable achievements that we have collectively participated in during the 2007-2008 academic year.

Sincerely,

Alan Bocking, MD, FRCSC
Gordon C. Leitch Professor and Chair
Department of Obstetrics and Gynaecology
FACULTY 2007-2008

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
R. Meiklejohn*
Ted (J.E.) Morgan
Jerry Shime

* Since deceased

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

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
Rory Windrim

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
Andrea Jurisicova
Johannes Keunen
Sari Kives
Murray Kroach
Rachel Kupets
Stephane Laframboise
Evelyn Lambe‡
Lecturers

Andrea Lausman†
Patricia Lee
Elyse Levinsky
Danny Lovatsis
Elliot Lyons
Katherine MacRury
Adelmo Martoglio
Cynthia Maxwell
Eva Mocarski
Kellie Murphy
Robert Nicholson
Ori Nevo
Melanie Ornstein
Ray Osborne
Wusun Paek
Nicholas Pairaudeau
Mel Petersiel
Richard Pittini
Deborah Robertson†
Ian Rogers
David Rosenthal
Jodi Shapiro
Sony Sierra
Dana Soroka
Donna Steele
Wilf Steinberg
Michael Sved
Karen Tessler
Jackie Thomas
Bruce W. Thomas
Konstantin Valtchev
Fay Weisberg
Wendy Wolfman
Herb Wong
Suzanne Wong
Brenda Woods
Mark Yudin
Yick-Shing Yung
Art Zaltz

† New appointment  ‡ Joint appointment with Department of Physiology

Adjoint Faculty

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

Cross Appointments

Professors Emeriti

Jerald Bain - Medicine
Anne Kenshole - Medicine

Professors

Denise Belsham - Physiology
John R. Challis - Physiology
William Chapman - Laboratory Medicine & Pathobiology
David Chitayat - Paediatrics
Joe T. Clarke - Paediatrics
Terence Colgan - Laboratory Medicine & Pathobiology
Anthony Fyles - Radiation Oncology
Stephen Halpern - Anaesthesia
<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Name</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Mahmoud Khalifa</td>
<td>Laboratory Medicine &amp; Pathobiology</td>
<td>Arne Ohlsson</td>
<td>Paediatrics</td>
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<td>B. Lowell Langille*</td>
<td>Laboratory Medicine &amp; Pathobiology</td>
<td>Maire E. Percy</td>
<td>Physiology</td>
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<tr>
<td>Michelle Letarte</td>
<td>Immunology</td>
<td>Janet Rossant</td>
<td>Medical Genetics</td>
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<td>Stephen Matthews</td>
<td>Physiology</td>
<td>Sam Siu</td>
<td>Medicine</td>
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<td>Steven Narod</td>
<td>Public Health Sciences</td>
<td>Donna Stewart</td>
<td>Psychiatry</td>
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<td>Arne Ohlsson</td>
<td>Paediatrics</td>
<td>Gillian Thomas</td>
<td>Radiation Oncology</td>
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<tr>
<td>Maire E. Percy</td>
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<td>Rosanna</td>
<td>Paediatrics</td>
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<td>Gail Robinson</td>
<td>Psychiatry</td>
<td>Weksberg</td>
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<td>B. Lowell Langille*</td>
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<td>Associate Professors</td>
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<tr>
<td>Ida Ackerman</td>
<td>Radiation Oncology</td>
<td>Carl Laskin</td>
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<td>Lynn Allen</td>
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<td>José Carvalho</td>
<td>Anaesthesia</td>
<td>Patricia Shaw</td>
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<td>Michael Dunn</td>
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<td>Denice Feig</td>
<td>Medicine</td>
<td>Andrew T. Shennan</td>
<td>Paediatrics</td>
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<td>Katherine Fong</td>
<td>Medical Imaging</td>
<td>Ants Toi</td>
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<td>Stephen Holzapfel</td>
<td>Family &amp; Community Medicine</td>
<td>Elizabeth Winsor</td>
<td>Laboratory</td>
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<td>Sarah Keating</td>
<td>Laboratory Medicine &amp; Pathobiology</td>
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<td>Medicine &amp; Pathobiology</td>
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<td>Assistant Professors</td>
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<tr>
<td>Tony Barozzino</td>
<td>Paediatrics</td>
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<tr>
<td>Karen Chong†</td>
<td>Paediatrics</td>
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<tr>
<td>Joel Ray</td>
<td>Medicine</td>
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<td>Michael Sgro</td>
<td>Paediatrics</td>
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<td>Martin Skidmore</td>
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<tr>
<td>Sandra Viero</td>
<td>Laboratory Medicine &amp; Pathobiology</td>
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<tr>
<td>Adjunct Faculty</td>
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<td>Fern Small</td>
<td>Psychiatry</td>
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<td>Administrative Staff</td>
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<tr>
<td>Business Manager</td>
<td>Franca Conciatore</td>
<td></td>
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<tr>
<td>Coordinator of Training Programs</td>
<td>Cindy Sinclair</td>
<td></td>
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<tr>
<td>Secretary to Chair</td>
<td>Vivienne Hinds</td>
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* Since deceased
† New appointment
Residents

PGY 1
Crystal Chan
Beth Cruickshank
Karthika Devarajan
Claire Jones
Tasleem Murji
Dan Nayot
Susie Pakenham
Giselle Salmasi
Kalpana Sharma
Mark Siobhan
Kathryn Swan

PGY 2
Dora Chan
Shannon Corbett
Matthew Laskin
Ally Murji
Andrea Page
Elaine Shore
Sarah Sinasac
Marilyn Sutandar

PGY 3
Kaajal Abrol
Kelly Chu
Marie Czikk
Aseel Hamoudi
Usha Harikumar
Yolanda Kirkham
Jamie Kroft
Munira Mahmoud
Alice Pham
Lyana Sisca

PGY 4
Ambika Aneja
Rebecca Cash
Noor Ladhani
Tayma May
Ingrid Savasi
Amanda Selk
Sarah Wallace
Lynne Zolis

PGY 5
Farid Abdelhadi
Anjali Aggarwal
Clarissa Bambao
Shereen Chirayilkalam
Fatuma Estanbul
Eve Fried
Stacey Grossman
Samuel Ko
Titilayo Olayomi
Kiran Sahi
Neelam Sierra
Rich Stein
Clinical Fellows

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DIRECTOR</th>
<th>FELLOW</th>
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<tbody>
<tr>
<td>Advanced Obstetrics</td>
<td>P. Gareth Seaward</td>
<td>Noushin Khoshbakht</td>
</tr>
<tr>
<td>AAGL*</td>
<td>Rose Kung</td>
<td>Olesandr (Sasha) Svystonuk.</td>
</tr>
<tr>
<td>– Women’s College Hospital</td>
<td></td>
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<tr>
<td>Gynaecologic Oncology</td>
<td>Al Covens</td>
<td>Mario Beiner, Marcus Bernardini, Diederick De Jong, Lilian Tran Gien, Limor Gortzak-Uzan, Limor Helpman, Waldo Jimenez Fiedler, Victoria Pinto</td>
</tr>
<tr>
<td>Maternal-Fetal Medicine</td>
<td>John Kingdom</td>
<td>Nihal Al-Riyami, Amal Al-Serehi, Hagai Amsalem, Jodie Dodd, Katy Gouin, Nadine Johnson, Nahla Khalek, Steven Koenen, Aisling Martin, Sharon Maslovitz, Susan Walker, Yoav Yinon</td>
</tr>
<tr>
<td>Reproductive Endocrinology &amp; Infertility</td>
<td>Ellen Greenblatt</td>
<td>Rebecca Arthur, Ari Baratz, Kimberly Liu, Cornelia Lo, Tina Lo</td>
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<tr>
<td>MIGS**</td>
<td>Nicholas Leyland/A</td>
<td>Violaine Marcoux, Roberta Mackenzie</td>
</tr>
<tr>
<td>– St. Joseph’s Health Centre</td>
<td>Art Ternamian</td>
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<tr>
<td>MIGS**</td>
<td>Guylaine Lefebvre</td>
<td>Gita Singh, Suma Shastry</td>
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<tr>
<td>– St. Michael’s Hospital</td>
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<tr>
<td>Paediatric and Adolescent Gynaecology</td>
<td>Lisa Allen</td>
<td>Kerith Lucco</td>
</tr>
<tr>
<td>Reproductive Sciences</td>
<td>Robert Casper</td>
<td>Mohamed Bedaiwy, Yaakov Bentov</td>
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<tr>
<td>Specialty</td>
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<tr>
<td>Urogynaecology</td>
<td>Harold Drutz/ Danny Lovatsis May Alarab (Research)</td>
<td></td>
</tr>
<tr>
<td>Mount Sinai Hospital</td>
<td>Raed Ahmed  Daniel Kreichman Victor Miranda Maria Bortolini (Research)</td>
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<td>Urogynaecology</td>
<td>Rose Kung  Lisa Merovitz</td>
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<tr>
<td>Women’s College Hospital</td>
<td>Wendy Wolfman Sally Sabra</td>
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</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**

<table>
<thead>
<tr>
<th>Chair</th>
<th>E. Frotten</th>
<th>K. MacRury</th>
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<tr>
<td>J. Blake</td>
<td>M. Gans</td>
<td>T. May</td>
</tr>
<tr>
<td>A. Bocking</td>
<td>S. Iqbal</td>
<td>R. Pittini</td>
</tr>
<tr>
<td>J. Bodley</td>
<td>S. Kives</td>
<td>S. Sved/D. Lovatsis</td>
</tr>
<tr>
<td>C. Chan</td>
<td>E. Lackie</td>
<td>S. Wong</td>
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**Postgraduate Education Committee**

<table>
<thead>
<tr>
<th>Chair</th>
<th>J. Herman</th>
<th>J. Shapiro</th>
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<tbody>
<tr>
<td>R. Arthur</td>
<td>S. Kives</td>
<td>E. Shore</td>
</tr>
<tr>
<td>J. Blake</td>
<td>R. Kung</td>
<td>D. Soroka</td>
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<td>A. Bocking</td>
<td>N. Leyland</td>
<td>R. Stein</td>
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<tr>
<td>R. Cash</td>
<td>K. MacRury</td>
<td>J. Thomas</td>
</tr>
<tr>
<td>M. Czik</td>
<td>M. Ornstein</td>
<td>M.Tunde-Byass/N.Pairaudeau</td>
</tr>
<tr>
<td>J. Cram</td>
<td>R. Pittini</td>
<td>A. Zaltz</td>
</tr>
<tr>
<td>J. Dodge</td>
<td>I. Savasi</td>
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</table>
### 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

A. Bocking, *Chair*  
L. Allen  
J. Blake  
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, 2007 to June 30, 2008**

<table>
<thead>
<tr>
<th></th>
<th>SMH</th>
<th>MSH/UHN</th>
<th>SHSC</th>
<th>TEGH</th>
<th>HSC</th>
<th>NYGH</th>
<th>SJHC</th>
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<tbody>
<tr>
<td><strong>Total deliveries</strong></td>
<td>2,984</td>
<td>6,539</td>
<td>3,500</td>
<td>3572</td>
<td>0</td>
<td>5,892</td>
<td>3,300</td>
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<tr>
<td><strong>Caesarean section rate</strong></td>
<td>28.0%</td>
<td>29.7%</td>
<td>35.5%</td>
<td>25.5%</td>
<td>0%</td>
<td>28.0%</td>
<td>27.8%</td>
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<tr>
<td><strong>Total gynaecology procedures (minor and major)</strong></td>
<td>1,481</td>
<td>1,108</td>
<td>8,570</td>
<td>2,438</td>
<td>76</td>
<td>2,311</td>
<td>2,800</td>
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<tr>
<td><strong>Clinic visits (excluding private office visits)</strong></td>
<td>60,904</td>
<td>145,111</td>
<td>53,805</td>
<td>9,456</td>
<td>2,571</td>
<td>6,779</td>
<td>NA</td>
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<tr>
<td><strong>Number of obstetrics beds</strong></td>
<td>27</td>
<td>84</td>
<td>56</td>
<td>33</td>
<td>0</td>
<td>55</td>
<td>29</td>
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<tr>
<td><strong>Number of gynaecology beds</strong></td>
<td>12</td>
<td>18</td>
<td>11</td>
<td>10-15</td>
<td>0</td>
<td>10-20</td>
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**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
DIVISIONS

Division of Gynaecologic Oncology

Barry Rosen, Division Head

Introduction: The Division of Gynaecologic Oncology continues to be located at both Sunnybrook Health Sciences Centre and The University Health Network/Princess Margaret Hospital. There are two full-time members of the division at Sunnybrook and now six full-time equivalents at UHN/PMH.

Highlights: In April 2008, Dr. Marcus Bernardini joined the staff at UHN after completing his fellowship in Toronto. As part of his fellowship training he spent a year at Duke University under the direct supervision of Dr. Andrew Berchuck. Dr. Bernardini has had a role in both clinical medicine and basic science research, and is planning to build on the basic science research experience he obtained while doing his Master’s degree during his residency and his time at Duke University.

Dr. Sarah Ferguson is pursuing her academic career developing a survivorship program for women with gynaecologic malignancies at Princess Margaret Hospital. She is linking with the breast cancer program that has developed a Web-based tool called “Caring Voices”. The aim of this program is to create a support mechanism for women who have been diagnosed and treated for gynaecologic malignancies.

Drs. Allan Covens and Rachel Kupets at Sunnybrook have been working on a new textbook that is on advanced laparoscopy for gynaecologic oncology. They are co-editors of this book, to be published in the fall of 2008.

The gynaecologic oncology fellowship at the University of Toronto is the only three-year training program in Canada, and we continue to train individuals who practice our specialty around the world. Our fellowship is aimed at developing academic gynaecologic oncologists. From the clinical perspective, our fellowship training program has made a commitment to train all fellows in advanced laparoscopy, and we are in the process of developing tools to assess surgical skills for our fellows.

Dr. Joan Murphy has stepped down as Head of Gynaecologic Oncology at UHN/Mount Sinai Hospital after spending 11 years in this role. During her leadership the division has become very strong both clinically and academically. The group has grown in numbers and it is an important division within the surgical oncology program at PMH. Dr. Murphy has been awarded the Crashley Chair in gynecologic oncology research and she will be developing that role over the next academic year.

Future Initiatives: Drs. Jason Dodge and Barry Rosen continue to spend time at Credit Valley Hospital/Peel Regional Cancer Centre developing their gynaecologic oncology program. The region and hospital have endorsed development of this program and efforts will be underway to recruit a gynaecologic oncologist to work there in the next academic year.
Division of Maternal-Fetal Medicine

Dan Farine, Division Head

Introduction: The Division of Maternal-Fetal Medicine (MFM) had a very productive year in all aspects of academic medicine. The fellowship program, under the directorship of John Kingdom, has been reorganized with more fellowship teaching delegated to the Sunnybrook unit. The St. Michael’s unit has also been integrated and training is currently taking place at three different sites (Mount Sinai Hospital (MSH), Sunnybrook Health Sciences Centre (SHSC), and St. Michael’s Hospital (SMH)) in an integrated fashion that takes advantage of the unique opportunities in each. Our fellowship program continues to be the largest in the country, attracting excellent Canadian and foreign trainees. In addition to the 8 clinical and research fellows, each of the units is supported by hospital-specific fellows.

Highlights: The last few years have been characterized by expansion of our division with recruitment to each of the 4 sites that have MFM specialists. This year we have not recruited new members, but our units are undergoing major changes and development. The most radical change is the move from Women’s College Hospital to Sunnybrook Health Sciences Centre. At Mount Sinai Hospital, the labour floor and the antenatal and postnatal floors are going to be renovated, enlarged and improved. At St. Michael’s Hospital the changes are more functional, with a unit of 3 MFM specialists (that did not exist a few years ago) better integrating into their obstetrical unit and the University of Toronto’s infrastructure.

The members of the Division have been extremely prolific in terms of securing grants and producing peer-reviewed publications. The grants obtained by our members amount to about $10,000,000 annually. We currently have 9 investigators who secured funding in excess of $750,000 per annum. Two of the largest CIHR grants were obtained by our members. One was for the MACS study that concluded this year. This study was planned and executed over the span of close to 10 years by Kellie Murphy through MIRU. It recruited about 1900 women in 80 centres in 20 countries. This study, to be published in the Lancet, showed that repeated doses of corticosteroids do not improve neonatal outcome and are associated with a decrease in fetal weight, height and head circumference. The other large CIHR grant is for an ongoing trial of the optimal method of delivery of twins. Also impressive is our division’s academic output in peer-reviewed papers. Two of our members, John Kingdom and David Chitayat, published 15 peer-reviewed papers each. Ten members of our division have published 5 or more peer-reviewed papers this year.

Overall this was a very productive and successful academic year and we look forward to an even better one in 2008-2009.
Division of Paediatric and Adolescent Gynaecology
Lisa Allen, Division Head

Introduction: The Division of Paediatric and Adolescent Gynaecology (PAG) consists of 4 members, LM Allen (Section Head) and staff members: NC Caccia, S Kives and M Ornstein. The Division maintains a diverse practice in common conditions and rare challenges in PAG, with over 2500 ambulatory visits per year, and includes the adolescent pregnancy program. Our surgical complex anomalies program attracts referrals from out of province and out of country.

Highlights: The section continues to fulfill its mandate to enhance the gynaecologic care of children and adolescents through education and research. Our fellowship continues to attract diverse applicants. In addition to a commitment to education of PAG residents, the section was fully booked with additional elective students (4) and residents (5), as well as observers, over the year. The Division has a strong commitment to continuing medical education, with 17 presentations by faculty in paediatric and adolescent gynaecology, including at the SOGC (Society of Obstetricians and Gynaecologists) and the North American Society for Pediatric and Adolescent Gynecology (NASPAG) annual meetings. The provincial, national and international presence of our members continues to be strong: Dr. Kives remains in the role of Co-Chair of CANPAGO (Canadian Paediatric and Adolescent Gynaecology/Obstetrics Committee), a subspecialty committee of the SOGC, with Dr. Allen and Joley Johnstone RN as members.

Dr. Allen was a member of the NASPAG Annual Clinical Meeting planning committee, continues as a member of the subspecialty committee of APOG (Association of Professors of Obstetrics and Gynaecology of Canada) and was the lead on Pediatric Gynaecology for the National Pediatric Surgical Wait Time Project. Dr. Allen was also invited to be co-editor of a volume of Progress in Pediatric Urology. Each member of the section contributed a chapter, the remaining chapters contributed by an all-Canadian author contingent.

The first, extremely successful, MRKH (Mayer-Rokitansky-Küster-Hauser syndrome) Education Day was coordinated for adolescents and their families, initiated by Joley Johnstone RN.

Honours: Dr. Nicolette Caccia was successful as a recipient of a grant from the Instructional Technology Courseware Development Fund. Her project on the Development of a Web-Based Course Covering the Basics of Common Problems in the Delivery of Sub-specialty Care in Paediatric and Adolescent Gynaecology for Obstetrics and Gynaecology Post-graduate Trainees at the University of Toronto will convert our didactic core teaching into interactive web-based modules based on the Articulate program.

Future Initiatives: The paediatric gynaecology fellowship will add an ambulatory rotation in paediatric urology, paediatric dermatology, adolescent medicine, and sexual abuse for the 2008/2009 academic year. In addition to the web-based course, the Section plans next year to repeat its successful Teleconference of subspecialty paediatric gynaecology for obstetrics and gynecology residents across the country. The section is actively leading development of standardized data collection sheets that will serve as a basis for future collaborative research projects with other members of CANPAGO.
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 and men. Our research interests are diverse and include interaction with other researchers in the University.

Highlights: Many division members are affiliated with Assisted Reproductive Technology/In Vitro Fertilization (IVF) centres. These include the Reproductive Biology Unit (RBU) based at Mount Sinai Hospital, the Fertility Centre and Canadian Reproductive Assisted Technology (CReATe) program affiliated with Sunnybrook and Women’s College Hospital, and two private centres, Toronto Centre for Advanced Reproductive Technology (TCART) and Lifquest. Recently, TCART has been recognized as a “relevant” site by the University of Toronto, which should strengthen its ties with the Department.

The Division welcomed several new members this year. Dr. Paul Chang, trained at the University of Western Ontario, has been recruited to TCART and joins the Division as a lecturer. Joining us at the RBU as an Assistant Professor is Dr. Kimberly Liu, who completed her REI Fellowship training with us and brings with her an MSc degree in law, specializing in ethics. Two new faculty members, Drs. Ari Baratz and Pratibhasri Sharma, have joined CReATe. Dr. Baratz trained with us and is currently appointed as a lecturer. Dr. Sharma completed her REI fellowship training at Columbia University Medical Center. Drs. Fay Weisberg, Marjorie Dixon, and Sony Sierra have left CReATe and have launched a new ART (Assisted Reproductive Technologies) clinic, First Steps Fertility.

In the past year, division members participated in a wide range of CME events, from the promise of Stem Cell Biology to clinical care of PCOS and how to guide women through the natural aging process. Dr. Wendy Wolfman and Dr. Harold Drutz developed a full-day course on Mature Women’s Health Care: How to grow old better.

Honours: Several trainees were recognized for excellence in research: Drs. R. Xiao and S-M. Yie, with Dr. Cliff Librach, were awarded the best basic science paper at the 2007 Canadian Fertility and Andrology Society (CFAS) meeting held last November. Alicia Tone had the Best Trainee Oral Presentation at the 4th Canadian Conference on Ovarian Cancer Research held in May. Dr. Taymaa May, an OB-GYN resident, was awarded the best paper in the Basic Science/Translational Research category and second place for best oral presentation at the Society of Gynecologic Oncologists of Canada meeting held in June. Both Dr. May and Ms Tone were supervised by Drs. Ted Brown and Patricia Shaw.

Future Initiatives: The Division will continue its strong commitment to research and education. The recognition of TCART as a relevant site will enable expansion of education and research initiatives by recruitment of academic staff members.
Division of Urogynaecology
Harold Drutz, Division Head

Introduction: The 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 Program in Disorders of the Female Pelvis. The Division faculty includes Drs. Drutz, Lovatsis and Alarab (Mount Sinai Hospital) and William Easton at Scarborough Centenary Hospital. The Division receives referrals locally, province-wide, across Canada and internationally.

Highlights:

Teaching: University of Toronto Core Residents (Rebecca Cash, Anjali Aggarwal, Marie Czik, Ingrid Savasi, Stacey Grossman, Aseel Hamoudi) and Elective Resident (Anjali Gupta-Winnipeg) rotated through the service. Dr. May Alarab successfully defended her Institute of Medical Science (IMS) thesis to receive her MSc degree. Dr. Raed Sayed Ahmed is a research fellow; Drs. Victor Miranda and Daniel Kreichman are 2nd year fellows, and Dr. Maria Bortolini is our 1st year fellow.

Research: The Division has six active peer reviewed externally-funded grants. In the past year we have published eight peer reviewed papers and have two in press. Three papers were presented at international meetings. Dr. Drutz presented four invited lectures and Dr. Lovatsis one. Dr. Easton remains active on Canadian Medical Protective Association (CMPA) committees.

Honours: Dr. Alarab has been appointed to active staff in the Division of Urogynaecology. She was awarded the TD Bank Health Research Fellowship at the Samuel Lunenfeld Research Institute in 2007.

Future Initiatives: The Division of Urogynaecology will be moving to new space in the Hydro Building, where it will develop a “Mature Women’s Health Care Centre of Excellence” with Dr. Wendy Wolfman and the Menopause Clinic.
PROGRAMS

Undergraduate Medical Education
Filomena Meffe, Director

Introduction: The Undergraduate Medical Education Committee consists of the hospital site Clerkship Coordinators, Student representatives, Resident representatives, the Undergraduate Director, the Chairman, Departmental Educator and Faculty Educational Advisor. The committee meets approximately once a month to discuss issues and implement or modify educational strategies related to the undergraduate curriculum, generate guidelines and policies for the administration of the clerkship, and respond to course evaluations with the goal of optimizing the educational experiences of our students.

Highlights: The first revision of the clerkship syllabus, which occurred during the academic year 2006-2007, was well received by the students and faculty. The changes were based on the feedback received from faculty and student surveys, as well as from the recommendations of the Undergraduate Committee members.

To better understand the impact of hands-on opportunities for students in our clerkship course, the technical procedures study was carried out and completed for the academic year 2007 – 2008. With data collection now complete, data analysis is currently underway to quantify the number of basic procedures done by our students during their 6-week rotation and to correlate these quantitative data with overall student satisfaction with their clerkship experience and the degree of change in their self-assessed competency level.

The committee completed its work on the development of a student assessment tool for the roles of health manager, health advocate, communicator, and scholar, to be implemented in the academic year 2008-2009. This tool was developed in response to the fact that a large number of faculty members were having difficulty in giving both formative and summative feedback to students with regard to these roles in an informal setting.

The first ever clerkship examination committee was formed this year by a very enthusiastic group of faculty members interested in creating a wider variety of new and improved exam questions that better reflect the educational objectives of our course. This committee has now met on several occasions, beginning work first on the structured oral examination questions, and with plans to revise and renew the short answer question and multiple choice question banks. Thank you to all the members of this committee who devote their time and expertise on a regular basis towards these goals.

Honours: It is always a pleasure to acknowledge our student award winners and to recognize their hard work, dedication and commitment to our specialty. Congratulations to our 2008 student award winners!

Dr. Sidney M. and Roselyn Tobin Compassionate Scholarship: Hanna Bielawska
Dr. Jacob Goldstein Scholarship: Sarah Temple
Hendry Memorial Scholarship: Natasha Saunders
Dr. Frederick R. Papsin Award: Milvi Tiislar

Future Initiatives: The committee will be evaluating the impact of the student assessment tool in the year 2008-2009, developing a pelvic examination orientation module, and continuing to work to adequately accommodate our expanding class size.
Postgraduate Medical Education
Heather Shapiro, Director

Introduction: The 2007-2008 academic year saw postgraduate education move from strength to strength. The number of applicants rose sharply. Eleven candidates were accepted into our program, for a total of 49 trainees registered as PGY1 to 5. Likewise, interest in subspecialty training continued to grow. Changes at the Royal College of Physicians and Surgeons of Canada (RCPSC) resulted in significant changes at the fellowship level. Gynaecologic Reproductive Endocrinology (GREI), Gynaecologic Oncology and Maternal-Fetal Medicine trainees will now sit a formal exam, will be registered as PGY6 and 7, and will be considered residents. In addition, funding is available commensurate with their residency status. The total number of fellows in 2007-2008 was 36.

Highlights: Our residents continue to be productive in research, with 8 presentations at our Department’s Research Day and numerous publications to their credit.

Communications between the department and residents has been enhanced by the University of Toronto Portal system, which allows web posting of resources, chat groups and test marks.

An online course has been developed to teach core competencies to trainees across the system. The first module, “End of Life Care”, has been completed by the residents.

Evaluation of the residents has been enhanced by additional multiple choice tests, expanded OSCEs and development of daily encounter forms focusing on surgical technique.

The 5th Annual Resident Retreat was held in March 2008. This generated an important document on the management of resident call shortfall as a result of short term illness.

Our annual barbeque brought the academic year to a close.
COMMITEE 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 different divisions and institutions in the Department, 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 140 peer-reviewed original research papers, plus over 80 additional publications in 2007/2008 and received funding for over 170 research projects.

In the Faculty of Medicine’s External Review of Dr. Alan Bocking’s first five-year term, the reviewers concluded that in research the Department “unquestionably is a leader amongst Canadian departments.” They also lauded the Department on its high and increasing level of funding and the high number (8) of external salary awards and endowed research chairs. Our publication numbers were described as astonishing, with 120 peer reviewed publications in 2005. Also noteworthy was the fact that “grant and support and research output is distributed across all divisions and all academic sites [and] research productivity spans both basic and clinical areas and not only the traditional “research pillars”. In addition, international trainees have benefited from our research and education. In short, our Department continues to be strong and is internationally recognized across all the subspecialties of Obstetrics and Gynaecology.

Our Department Research Day took place on Friday, May 2, 2008, and was particularly successful and well attended, with 12 oral and 57 poster presentations in both clinical and basic scientific areas. Dr. Andrew Berchuck, Director, Gynecologic Oncology, at Duke University, gave an excellent lecture on the topic of “Individualized ovarian cancer treatment and prevention in the genomic era.” Please see page 95 for a list of abstracts and details of the day.

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 107) Also, please note all the award winners in the awards section (26-30), of which many are in the area of research.

Future Initiatives: Our Committee will look at improving networks across the sites and the discipline that will continue to encourage integration of basic and clinical research and the involvement of basic science and clinical trainees and faculty in our research endeavours.
Continuing Medical Education Committee  
*Fay Weisberg, Chair*

**Introduction:** The Continuing Medical Education Committee’s focus, since its inception in March 2005, has been on inviting clinically relevant, practice-changing speakers for interhospital rounds and a long-term strategy for continuing medical education for our department.

**Highlights:** The Continuing Medical Education Division has now revamped its name and focus to simulate its University counterpart, and is now the Division of Medical Education and Professional Development. Our department’s professional development group is now contained within this division. Also contained within this group is the Mount Sinai Division of Medical Education, led by **Dr. Paul Bernstein**.

A new working group was formed with the following members:

**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**  
**Dr. Rory Windrim**

This group met in April 2008 and discussed ideas regarding the future of the division. The committee decided to increase the number of interdisciplinary teaching sessions and access to our interhospital rounds via the internet.

**Future Initiatives:** As of October 2008, interhospital rounds will be webcast live to members of our department and, following a successful run, will be made available to all hospitals in the greater Toronto area. This exciting program will be developed in association with the Web Department at Sunnybrook Hospital and will enable all physicians who are registered and sign in to obtain a type 1 maintenance certification credit. Other future activities will be to continue excellent courses through Mount Sinai Hospital, and also expand this to course directors outside the hospital, as we did with the Infectious Disease course, offered in June 2008.
Courses offered by Mount Sinai Hospital:

Medical Disorders in Pregnancy November 2007
3rd Annual Gynaecology Review Day December 2007
Advances in Gynaecological Imaging and First Trimester Ultrasound February 2008
Mature Women’s Health Care: How to Grow Old Better April 2008
Refresher in Primary Maternity Care May 2008
New Developments in Prenatal Diagnosis May 2008
Infectious Disease in Obstetrics and Gynaecology June 2008

Interhospital Rounds:

September 7, 2007
Dr. Jean Chamberlain
Department of Obstetrics and Gynaecology, McMaster University and
Executive Director of Save the Mothers

Twenty Years of Safe Motherhood around the World: The Pitfalls and the Progress

October 12, 2007
Dr. Tom Baskett
Professor Emeritus
Department of Obstetrics and Gynaecology
Dalhousie University, Halifax, Nova Scotia

Audit of Gynaecological Surgery

November 16, 2007
Dr. Karen Rosene-Montella
Chief of Medicine, Department of Medicine
Women and Infants Hospital
Brown University, Providence, Rhode Island, USA

Thrombosis and Thrombophilia in Pregnancy

December 14, 2007
Dr. Gillian Hawker
Division of Rheumatology
Women’s College Hospital and
Director of the Multidisciplinary Osteoporosis Program

Osteoporosis Update for the Obstetrics and Gynaecology Practitioner

January 11, 2008
Dr. Isabella Caniggia
Department of Obstetrics and Gynaecology
Mount Sinai Hospital
University of Toronto

A Story of Life and Death: Pre-Eclampsia and IUGR as Distinct Pathologies
January 25, 2008  
**Dr. Jeffrey Wilkinson**  
Co-Director, Duke Center for Minimally Invasive Gynecologic Surgery  
Duke University Medical Center, Durham, North Carolina, USA  
*Obstetric Fistula*

June 13, 2008  
**Dr. Curt Burger**  
Gynecologic Oncologist  
Erasmus Medical Centre, Rotterdam, Amstelveen, The Netherlands  
*Subfertility, Endometriosis, IVF and the Risk of Breast and Gynecologic Cancer: A Dutch Nationwide Study with a Follow-up of 14 years*
EDUCATIONAL PARTNERSHIP PROGRAM

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

In the 2007-2008 academic year, we are very pleased that GlaxoSmithKline was able to increase its support from the Gold to Platinum Level. In addition, we gratefully acknowledge the commitment of Bayer Healthcare Pharmaceuticals (formerly Berlex Canada) for its continued support at the Platinum Level.

During this academic year, our previous sponsors, Merck-Frosst, Janssen-Ortho Inc, Organon Canada Ltd. and Ferring Inc. have experienced major restructuring within their organizations and were not able to renew their commitment. However, we are hopeful that this support will be re-established once they have stabilized their infrastructure.

We would like to take this opportunity to thank all of our partners for their generous contribution and continued commitment in support of our educational activities throughout the year.

The 2007-2008 Industry Sponsors are as follows:

**PLATINUM**
- Bayer Healthcare Pharmaceuticals
- GlaxoSmithKline

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

2007-2008 CHAIR’S AWARDS:

John Kingdom (MSH)  
Excellence in Undergraduate Teaching

Richard Pittini (SHSC)  
Excellence in Postgraduate Teaching

Wendy Whittle (MSH)  
Outstanding Research Potential

Mathew Sermer (MSH)  
Sustained Excellence in Research

Wendy Wolfman (MSH)  
Excellence in Research Facilitation

Gareth Seaward (MSH)  
Excellence in Postgraduate Program Development/Innovation

Mark Yudin (SMH), Paul Bernstein (MSH), Fay Weisberg (SHSC)  
Excellence in CME Course Coordination

Adrian Brown (NYGH)  
Master Teacher

Elaine Herer (SHSC)  
Master Teacher

Fay Weisberg (SHSC)  
Master Teacher

2007 – 2008 BAYER HEALTHCARE PHARMACEUTICALS AWARDS FOR TEACHING EXCELLENCE:

Adrian Brown  
North York General Hospital

Jason Dodge  
Mount Sinai Hospital

Perry Phillips  
Toronto East General Hospital

Rory Windrim  
Mount Sinai Hospital

Herb Wong  
Sunnybrook Health Sciences Centre

Suzanne Wong  
St. Joseph’s Health Centre

Mark Yudin  
St. Michael’s Hospital
Jon Barrett
Appointed Advisor of Maternal Health,
World Health Organization, 2008

Appointed Program Research Director
Sunnybrook Health Sciences Center, 2007

Denise Belsham
Promotion to Full Professor
July 1, 2007

Isabella Caniggia
Ray J, Nevo O, Wu Y, Jurisicova A, Caniggia I. Hydatidiform mole in twin pregnancy:
differential expression of G1 cell cycle regulators A5.31. International Federation of Placenta
Recipient of first prize for poster presentation at IFPA 2007.

Xu J, Nevo O, Yinon Y, Ray J, Post M, Caniggia I. Differential regulation of trophoblast
proliferation and differentiation by TGFβ A6.46. International Federation of Placenta
Recipient of C. Loke Travel Award.

Rolfo A, Many A, Post M, Caniggia I. Characterization of SIAH-1 isoforms in normal and

José Carvalho
Best Paper Award, Obstetric Anesthesia, Canadian Anesthesiologists’ Society 2008 Annual
Balki M, Magalhaes J, Parkes R, Kingdom J, Li Y, Carvalho JCA. Oxytocin pre-treatment
decreases oxytocin-induced myometrial contractions in pregnant rats in a dose but not time-
dependent manner.

Selected Best Paper, 40th Annual Meeting of the Society for Obstetric Anesthesia and
Magalhaes J, Carvalho JCA, Parkes R, Kingdom J, Li Y, Balki M. Oxytocin pre-treatment
decreases oxytocin-induced myometrial contractions in pregnant rats in a dose but not time-
dependent manner.

John Challis
Named as a 2008 University Professor

Harold Drutz
2007 – Appointed Chairman of the International Urogynecological Association (IUGA)
Subcommittee on “Educational Guidelines for Training in Urogynecology and Reconstructive
Pelvic Surgery for Undergraduate Medical Students, Core Residents in
Obstetrics and Gynecology, and Postgraduate Training Programs”

Stephen Im
Fitzgerald Academy Problem-Based Learning Teaching Award, 2007-8.
Andrea Jurisicova

Guylaine Lefebvre
Honorary membership in appreciation of valuable contributions to the Pacific Northwest Obstetrical and Gynecological Association, August 2007

Appointed president of SOGC effective June 2007. Dr. Lefebvre is the first president from Toronto since Dr. Walter Hannah.

Clifford Librach

Stephen Lye
Association of Professors of Obstetrics and Gynaecology (APOG) 2007 Excellence in Research Award, December 2007

Joan Murphy
Inaugural J. Douglas Crashley Chair in Gynaecologic Oncology Research supported through the Princess Margaret Hospital Foundation, January 2008

Ori Nevo
Strategic Training Initiative in Research in Reproductive Health Sciences (STIRRHS) Clinician Fellowship Award, March 2008-March 2009

Phyllis Mary Garton Professorship in the Department of Obstetrics & Gynaecology December 2007

Arne Ohlsson

Friedrich JO, Adhikari NKJ, Ohlsson A, Beyene J. Ratio of means as an alternative to mean differences for analyzing continuous outcome variables in meta-analysis: A simulation study. XIV Cochrane Colloquium, Sao Paulo, October, 2007. Tom Chalmers award for best oral presentation

Richard Pittini
Peters-Boyd Academy Director’s Special Award
Faculty of Medicine, May 2007

Gail Robinson
Alexandra Symond’s Award
American Psychiatric Association, 2008
For sustained outstanding contributions and significant leadership in promoting women's health and the advancement of women. It includes a named lecture at the APA Annual Meeting. To be eligible for this award, a woman must be a member of the APA who has made sustained, high-level contributions and shown significant leadership in advancing women's health.
Distinguished Fellow, American Psychiatric Association 2008
Distinguished Psychiatrist Lecturer, American Psychiatric Association, 2008

P Gareth Seaward

Appointment – Head, Division of Obstetrics, Mount Sinai Hospital, 1 July 2007
Examiner – Royal College of Physicians and Surgeons of Canada, 1 January 2008
Recipient - MOHLT Scholarship to attend the Rotman School of Management Advanced Health Leadership Program, February 2008
Recipient - Anderson Award for Program Innovation, Wightman Berris Academy, June 2008

Abheha Satkunaratanam
Council of Resident Education in Obstetrics and Gynaecology (CREOG) Teaching Award - American College of Obstetricians and Gynecologists (ACOG), 2008, Resident-nominated and Council approved national award for postgraduate education.
Michael Shier
2008 Sunnybrook Champion of Care. Sunnybrook Foundation.
Sunnybrook Health Sciences Centre, Toronto.

Donna Stewart
CIHR/Royal Society of Canada Visiting Woman Scientist to Japan (WiSET)
January 2008

Artin Ternamian
Jerome J Hoffman Award for Best Postgraduate paper
Singh S, Marcoux V, Ternamian A. Core competencies for gynaecologic endoscopy education in
general Ob/Gyn training: The Canadian Endoscopy Education Study.
36th Global Congress of Minimally Invasive Gynecology, Washington DC. USA,
17 November 2007.

Paul Thistle
Royal College of Physicians and Surgeons of Canada Teasdale-Corti Humanitarian Award.

Ants Toi
A, Rohrmach M, Blaser S. Periventricular brain cysts.
International Society of Ultrasound in Obstetrics and Gynecology (ISUOG) meeting, Florence,
Italy, October 7-11, 2007.
Awarded first prize for session

Rory Windrim
Colin Woolf Award for Long-Term Contributions to Continuing Education
University of Toronto

Rory Windrim, Gareth Seaward, Greg Ryan
Recovery of cardiac function in recipient twins following laser for stage 4 TTTS.
Best Oral Presentation Award, International Society for Ultrasound in Obstetrics and
Gynecology, Florence, Italy 2007.

Wendy Wolfman
Wolfman W. Pathological findings in symptomatic and asymptomatic postmenopausal women
undergoing hysteroscopy, Society of Obstetricians and Gynaecologists Annual Meeting, Calgary,
PEER-REVIEWED PUBLICATIONS

Original Research


Bates HE, Kiraly MA, Yue JT, Goche Montes D, Elliott ME, Riddell MC, Matthews SG, Vranic M. Recurrent intermittent restraint delays fed and fasting hyperglycemia and improves glucose return to baseline levels during glucose tolerance tests in the Zucker diabetic fatty rat--role of food intake and corticosterone. Metabolism 2007 Aug;56(8):1065-75.


Gellhaus A, Schmidt M, Dunk C, Lye SJ, Winterhager E. The circulating proangiogenic factors CYR61 (CCN1) and NOV (CCN3) are significantly decreased in placentae and sera of preeclamptic patients. Reprod Sci. 2007 Dec;14(8 Suppl):46-52.


Robertson D, Kives S. Adolescent consent in reproductive and sexual health decision-making: Should there be an arbitrary age of consent or should it be based on the ‘evolving capacities of the child’? J Pediatr Adolesc Gynecol 2008 Feb; 21(1) 47-51.


Thombs BD. Ziegelstein RC, Stewart DE, Parakh K, Abbey SE, Grace SL. Usefulness of persistent symptoms of depression to predict physical health status 12 months after an acute coronary syndrome. Am J Cardiol 2008 January; 101:15-19.


Invited Papers, Commentaries, Editorials, Reviews and Book Chapters


Carvalho JCA. Uterine fix post C-section should be done in situ. The Medical Post, September 18, 2007. Available at: http://www.medicalpost.com


Robertson D, Kives S. Adolescent consent in reproductive and sexual health decision-making: Should there be an arbitrary age of consent or should it be based on the 'evolving capacities of the child'? J Pediatr Adolesc Gynecol 2008 Feb; 21(1):47-51.


Steinberg WM. Cervical Cancer. Patient Care Canada 2007 Sept;18(9).

Steinberg WM. Endometrial protection using Esting and Vagifem. Patient Care Canada 2007 Sept;18(9).

Steinberg WM. Hormone therapy for menopausal symptoms. Patient Care Canada 2007 Sept;18(9).


Steinberg WM. Routine ovarian ultrasounds. Patient Care Canada 2007 Nov;18(11).

Stewart DE. Battling depression. CMAJ 2008 Apr;178(8):1023.


INVITED LECTURES AND VISITING PROFESSORSHIP

International

Adamson SL. Cardiac function in a mouse model of IUGR. 5th International Congress on Developmental Origins of Health & Disease, Perth, Australia, November 6-10, 2007.


Adamson SL. The placental circulation in mice, in health and models of disease. The Victor Chang Cardiac Research Institute, Developmental Biology Unit Seminar, Darlinghurst, Australia, November 12, 2007.


Barrett J. Delivery of twins and the Twin Birth Study. Collaborators Meeting for Attendees at the Brazilian Congress, Foraleza Hospital, Foraleza, Brazil, November 2007.


Barrett J. Delivery of twins and the Twin Birth Study. Invited Collaborators Meeting. Tel-Aviv Hospital, Tel-Aviv, Israel, December 2007.


Belsham DD. The riddle behind the reproduction-obesity connection: Is neuropeptide Y an answer? Reproduction Focus Group Meeting, NIH supported, University of California, San Diego, San Diego, California, USA, 2007.

Belsham DD. The puzzle that is obesity: Putting the pieces together using novel hypothalamic cell model systems. Endocrine Grand Rounds at BIDMC, Harvard Medical School, Boston, Massachusetts, USA, 2007.

Belsham DD. The riddle behind the reproduction-obesity connection: Is neuropeptide Y an answer? Department of Physiology, University of Cordoba, Cordoba, Spain, 2007.


Bocking AD. Infection mediated preterm labour. Grand Rounds, Department of Reproductive Health, Moi University School of Medicine, Eldoret, Kenya, November 2007.


Carvalho JCA. A non-particulate antacid should be used routinely in all patients undergoing cesarean section. Con side. Pro-Con Debate. 5th International Annual Meeting of the Indonesian Society of Obstetric Anesthesia, Jakarta, Indonesia, February 12-14, 2008.


Carvalho JCA. Comprehensive regional anesthesia hands-on cadaver, Workshop. 61st Post-Graduate Assembly, New York, New York, USA, December 7-11, 2007.


Carvalho JCA. How to make anesthesia for urgent cesarean section safer: Spinal, epidural or CSE? Panel Moderator and Panelist: 54th Brazilian Congress of Anesthesiology, Natal, Brazil, November 10-14, 2007.


Carvalho JCA. Making epidurals less blind: Ultrasound and electrical stimulation of the catheter. 5th International Annual Meeting of the Indonesian Society of Obstetric Anesthesia, Jakarta, Indonesia, February 12-14, 2008.
**Carvalho JCA.** Obstetric anesthesia and neonatal outcome. 14th World Congress of Anesthesiologists, Cape Town, South Africa, March 2-7, 2008.

**Carvalho JCA.** PBLD: Severe Preeclampsia. 5th International Annual Meeting of the Indonesian Society of Obstetric Anesthesia, Jakarta, Indonesia, February 12-14, 2008.

**Carvalho JCA.** Spinal Ultrasound. Workshop. 5th International Annual Meeting of the Indonesian Society of Obstetric Anesthesia, Jakarta, Indonesia, February 12-14, 2008.

**Carvalho JCA.** Regional anesthesia in Obstetrics: Ultrasound and electro-stimulation of the epidural catheter (Tsui test). Panel Moderator and Panelist. 13th Congress on Regional Anesthesia and Pain Management of the Latin American Society of Regional Anesthesia, Brazilian Chapter, Sao Paulo, Brazil, August 24-26, 2007.

**Carvalho JCA.** Regional anesthesia in the morbidly obese parturient. 13th Congress on Regional Anesthesia and Pain Management of the Latin American Society of Regional Anesthesia, Brazilian Chapter, Sao Paulo, Brazil, August 24-26, 2007.

**Carvalho JCA.** Spinal ultrasound, adult neuraxial block. 5th Annual International Symposium on Ultrasound and Regional Anesthesia. Toronto, Ontario, Canada, April 24-27, 2008.

**Carvalho JCA.** Spinal ultrasound for spinals and epidurals. Workshop Instructor (3 sessions). 13th Congress on Regional Anesthesia and Pain Management of the Latin American Society of Regional Anesthesia, Brazilian Chapter, Sao Paulo, Brazil, August 24-26, 2007.

**Carvalho JCA.** The use of ultrasound in regional anesthesia in obstetric. 14th World Congress of Anesthesiologists, Cape Town, South Africa, March 2-7, 2008.

**Carvalho JCA.** Use of ultrasound in obstetric anesthesia. 54th Brazilian Congress of Anesthesiology, Natal, Brazil, November 10-14, 2007.

**Carvalho JCA.** Uterotonic drugs: Do we know what we are doing? Refresher Course on Obstetric Anesthesia (pre-World Congress Satellite meeting), Cape Town, South Africa, March 2, 2008.

**Carvalho JCA.** What is new in obstetric anesthesia. 54th Brazilian Congress of Anesthesiology, Natal, Brazil, November 10-14, 2007.

**Casper RF.** 5th World Congress on Ovulation Induction, Italy, September 9-16, 2007.

**Casper RF.** IVI Conference, Barcelona, Spain, September 18-21, 2007.


Covens A. Patients with recurrent ovarian cancer who achieved a clinical completeremission with initial platinum based chemotherapy and experienced at least 6 months before recurrence should not receive platinum based chemotherapy after any indicated surgery. 5th International Symposium on Ovarian Cancer & Other Gynecologic Malignancies, Physicians’ Education Resource, New York, New York, USA, 2008.


Derzko C. Implications of the effects of menopausal hormones on breast density. IMS Madrid, 12th World Congress on the Menopause Madrid, Spain, May 2008.

Derzko C. Starting HT in the menopausal woman: Low dose vs high dose. NovoNordisk, NAMS AGM, Dallas, Texas, USA, September 2007.


Farine D. Active mismanagement of labor – Can we do better? Grand Rounds. Cedars-Sinai Medical Center, Los Angeles, California, USA, March 5, 2008.


Farine D. Do we need all the newer techniques: STAN monitor, pulse oximetry, cervicometry? 2nd Asia Pacific Controversies in Obstetrics, Gynecology and Infertility (COGI) Congress, Shanghai, China, November 9, 2007.
Farine D. Fetal Assessment Update. 60th Anniversary Shanghai 1st Maternity and Infant Hospital, Shanghai, China, November 10, 2007.

Farine D. Fetal kick count – Are they really not indicated? 2nd Asia Pacific Controversies in Obstetrics, Gynecology and Infertility (COGI) Congress, Shanghai, China, November 9, 2007.


Farine D. Mismanaging labour – What can we do? Grand Rounds University Hospitals Case Medical Center, MacDonald Women's Hospital, Cleveland Ohio, USA, November 16, 2007.


Farine D. Why do we need a cervicometer? 8th World Congress of Perinatal Medicine, Florence, Italy, September 9, 2007.


Kingdom J. Placenta insufficiency – will it be preventable by 2010? British Association of Perinatal Medicine & British Society of Maternal-Fetal Medicine, Annual Scientific Meeting, Harrogate, United Kingdom, June 2008.

Kives S. Contraception update. NASPAG Annual Meeting, Newport Beach, California, USA, April 2008.


Lambe EK. Developmentally modulated excitation of prefrontal layer VI circuitry by nicotinic acetylcholine receptors. Winter Brain Conference, Snowbird, USA, January 2008.

Lambe EK. Nicotine, corticothalamic neurons, and attention. Karolinska University Hospital, Huddinge, Stockholm, Sweden, August 2007.

Lambe EK. Nicotinic receptors and the development of attention circuitry. Department of Neuroscience, Karolinska Institute, Stockholm, Sweden, August 2007.

Lefebvre G. Is our specialty headed toward a division of obstetrics from gynaecology? Panel discussion, RANZOG, GoldCoast, Australia, October 2007.


Letarte M. The microcirculation in acute viral and bacterial infections. eNOS uncoupling in the vascular endothelium associated with disorders such as hereditary hemorrhagic telangiectasia. McLaughlin Symposium 2007, Galveston, Texas, USA, November 15-17, 2007.


Leyland N. Surgical Preceptorships and Teaching in the Princess Marina Hospital, Gaborone, Botswana, April 2008.


Murphy KE. Multiple Courses of Antenatal Corticosteroids for Preterm Birth Study: Presentation of Primary Study Outcomes. Toronto, Ontario, September 2007.


Pairaudeau N. VBAC controversies and uterine rupture. Tel Hashomar Hospital, Tel Aviv, Israel, September 3, 2007.


Rogers I. Embryonic stem cell and hematopoietic stem cells for clinical use. Primary Care Focus Symposium. Baptist Health South Florida, June 2008.

Ryan G. Monochorionic diamniotic twin pathology other than TTS. 14th International Conference on Prenatal Diagnosis and Therapy, Vancouver, Canada, June 1-4, 2008.


Ryan G. Should laser ablation be used for all cases of TTTS? 14th International Conference on Prenatal Diagnosis and Therapy, Vancouver, Canada, June 1-4, 2008.


Sermer M. Proactive vs. reactive. 18th International Symposium on Adult Congenital Heart Disease, Congenital Heart Disease 2008 & Beyond, Toronto, Ontario, Canada, June 2008.


Steinberg WM. Ethical dilemmas in women’s health. University of Southern Florida, Tampa, Florida, USA, Women’s Health update (Australia & New Zealand), February 2008.


Steinberg WM. PCOS. University of Southern Florida, Tampa, Florida, USA, Women’s Health update (Australia & New Zealand), February 2008.


Stewart DE. Health indicators in three countries. Memorial University Visiting Professor. St. John’s, Newfoundland, October 2007.

Stewart DE. Inequities in the global village. 3rd International Congress on Women’s Mental Health, Melbourne, Australia, March 2008.


Stewart DE. Mental health policy in Canada. 3rd International Congress on Women’s Mental Health, Melbourne, Australia, March 2008.


Stewart DE. Postpartum depression in newcomers. 3rd International Congress on Women’s Mental Health, Melbourne, Australia, March 2008.


Ternamian A. Adhesion prevention session: How to enter the abdomen when adhesions are anticipated. Combined Annual Meeting of the European Society for Gynaecological Endoscopy and the International Society for Gynecologic Endoscopy, Portoroz, Slovenia, 5-8 September 2007.


Weisberg F. Management of abnormal uterine bleeding. Seminar. SAMSO University of Toronto Primary Care symposium, AARAMCO Hospital, Damman, Saudi Arabia, April, 2008.

Weisberg F. Update on Hormone Replacement Therapy. Seminar. SAMSO University of Toronto Primary Care symposium, AARAMCO Hospital, Damman, Saudi Arabia, April, 2008.

Weisberg F. Update on contraception. Seminar. SAMSO University of Toronto Primary Care symposium, AARAMCO Hospital, Damman, Saudi Arabia, April, 2008.

Weisberg F. Update on HPV. Seminar. SAMSO University of Toronto Primary Care symposium, AARAMCO Hospital, Damman, Saudi Arabia, April, 2008.

National

Adamson, SL. Imaging mouse models of placental disease. 47th Annual Canadian Association for Laboratory Animal Science Symposium (CALAS), Markham Hilton Hotel, Toronto, Ontario, June 7-10, 2008.


Barrett J. The challenges of follow-up in the multicentre randomized controlled trials. Invited Poster, Society for Clinical Trials Journal, St. Louis, Missouri, USA, November 2007.


Carvalho JCA. Thrombocytopenia in pregnancy and birth. 6th Annual Refresher Course in Primary Maternity Care, Toronto, Ontario, May 9, 2008.

Carvalho JCA. Ultrasound-assisted epidurals and spinals in obstetrics. Department of Anesthesiology, Queen’s University, Kingston, Ontario, January 23, 2008.


Casper RF. Endometriosis. Montreal, Quebec, May 9, 2008.


Covens A. Why use intraperitoneal chemotherapy for ovarian cancer?"Department of Medical Oncology, Northwestern Regional Cancer Center, Sudbury, Ontario, 2007.


Drutz HP. Advances in the pharmacologic and conservative treatments of OAB and SUI. Invited Lecture. How to Grow Older Better. 4th Annual Mature Women’s Health Care, Mount Sinai Hospital, MacLeod Auditorium, University of Toronto, Toronto, Ontario, April 25, 2008.


Drutz HP. Minimally invasive slings: A review. Visiting Professor, Division of Urogynecology, University of Ottawa, Ottawa, Ontario, April 28-29, 2008.

Drutz HP. The newest and latest in surgical techniques for pelvic floor prolapse and urinary incontinence. Workshop. How to Grow Older Better. 4th Annual Mature Women’s Health Care, Mount Sinai Hospital, MacLeod Auditorium, University of Toronto, Toronto, Ontario, April 25, 2008.

Farine D. Mismanaging labour – What can we do? Grand Rounds, Department of Ob/Gyn, Queen’s University, Kingston, Ontario, November 15, 2007.


Jurisicova A. How the oocytes and embryos strive to survive. Laval University, Quebec City, Quebec, February 2008.


Lambe EK. Developmental excitation of corticothalamic neurons by nicotinic receptors. Department of Biology, University of Victoria, Victoria, British Columbia, June 2008.


Lefebvre G. Troubleshooting the difficult hysterectomy. SOGC West-Central Meeting, March 2008.

Lefebvre G. Who is watching? Skill maintenance in gynecologic surgery, Society of Obstetricians and Gynaecologists Meeting, Quebec City, Quebec, September 2007.


Matthews SG. Invited Seminar 3rd Annual Summer Institutes Maternal-Fetal Pharmacology Reproductive and Perinatal Epidemiology Meeting, Bromont, Québec, July 2007.


Ohlsson A. Scientific fraud. Subspecialty Resident Lecture, Visiting Professor, Department of Pediatrics, University of Saskatchewan, Saskatoon, Saskatchewan, November 8, 2007.

Ohlsson A. Strategies to reduce low birth weight births – In search of evidence. Pediatric Grand Rounds, Visiting Professor, Department of Pediatrics, University of Saskatchewan, November 8, 2007.


Pairaudeau N. Management of labour and delivery with epidural. Beijing Medical School, 5th Medical Affiliate Hospital, October 2007.


Sermer M. Be proactive not reactive – lessons learned. Special Cardiology Rounds, Toronto General Hospital, Toronto, Ontario, November 2007.

Sermer M. Controversies in MFM. Lecture To Senior University of Toronto Ob/Gyn Residents, Sunnybrook Health Sciences Centre, Toronto, Ontario, October 2007.


Sermer M. Molar pregnancy and the viable fetus. Medical Disorders In Pregnancy Rounds, Mount Sinai Hospital, Toronto, Ontario, October 2007.
Sermer M. Pregnant moms with arrhythmia and congenital malformations. MFM Journal Club, Mount Sinai Hospital, Toronto, Ontario, February 2008.


Shier RM. ISSVD new terminology and Colposcopic Management Scheme. Division of Gynaecologic Oncology sponsored Seminar and Dinner. Pencer Centre, Princess Margaret Hospital, Toronto, Ontario, October 22, 2007.


Yudin M. Herpes simplex virus (HSV) infections in pregnancy. The 8th Annual Canadian Symposium for Fellows in Infectious Diseases and Microbiology. University of Toronto, Toronto, Ontario, Canada, August 21, 2007.


Local


Bain J. Effects of Long term methadone use on testosterone levels; Safety of testosterone therapy; Screening of low testosterone patients and treatment with testosterone. First Step Methadone Clinics, Toronto, Ontario, September 25, 2007.

Bain J. Effects of long term methadone use on testosterone levels; Safety of testosterone therapy; Screening of low testosterone patients and treatment with testosterone. Ontario Addiction Treatment Centre, Richmond Hill, Ontario, September 19, 2007.


Belsham DD. Immortalized hypothalamus neurons: From neuroendocrine research to commercialization. Department of Biology, York University, Toronto, Ontario, 2007.

Berger H. Utilization of fetal ultrasound in the management of high-risk patients with pre-pregnancy or gestational DM. St. Michael’s Hospital Diabetes OUTREACH Program, Toronto, Ontario, June 20, 2008.


Bocking AD. Recent advances in preterm labour management, SOGC 26th Ontario CME Program, Toronto, Ontario, November 2007.


Carvalho JCA. What is new in obstetric anesthesia, Department of Anesthesia, North York General Hospital, Toronto, Ontario, December 19, 2007.

Casper RF. Approach to infertile women with PCOS. Endocrine rounds, Sunnybrook Hospital, Toronto, Ontario, April 2, 2008.


Chitayat D. An update on medical genetics. The Hospital for Sick Children, Division of Neurosurgery, Toronto, Ontario, February 1, 2008.


Chitayat D. CNS abnormalities - An overview. MSc Program in Genetic Counselling, Toronto, Ontario, April 9, 2008.

Chitayat D. Dysmorphology. MSc Program in Genetic Counselling, Toronto, Ontario, September 27, 2007.

Chitayat D. From gene to protein to phenotype. Achondroplasia, alpha thalassemia, CF and DMD. MSc Program in Genetic Counselling, Toronto, Ontario, January 24, 2008.


Chitayat D. Medical genetics and prenatal diagnosis; An overview. Women's College Hospital, Obstetrics and Gynaecology Residents, Toronto, Ontario, July 3, 2007.

Chitayat D. Medical genetics for the Obstetrician and Gynaecologist. Department of Obstetrics and Gynaecology, Grand Rounds, Mount Sinai Hospital, Toronto, Ontario, October 19, 2007.


Chitayat D. Multifactorial inheritance and multifactorial conditions. MSc Program in Genetic Counselling, Toronto, Ontario, November 29, 2007.

Chitayat D. Neural tube defects. MSc Program in Genetic Counselling, Toronto, Ontario, December 19, 2007.


Chitayat D. PEARLS in dysmorphology. MSc Program in Genetic Counselling, Toronto, Ontario, September 12, 2007.


Chitayat D. Prenatal Diagnosis: Prevention, Diagnosis and treatment. University of Toronto residents and fellows in Medical Genetics, Toronto, Ontario, April 3, 2008.

Chitayat D. Sex determination. MSc Program in Genetic Counselling, Toronto, Ontario, November 28, 2007.


Chitayat D. The approach to the newborn with ambiguous genitalia. The Hospital for Sick Children, Division of Medical and Metabolic Genetics, Toronto, Ontario, February 14, 2008.


Chitayat D. The genetics of twinning. MSc Program in Genetic Counselling, Toronto, Ontario, October 15, 2007.


Derzko C. An update on postmenopausal hormone therapy: The “Critical Therapeutic Window”. Endocrinology Grand Rounds, Department of Medicine / Endocrinology Division, Sunnybrook Hospital, Toronto, Ontario, February 2008.


Derzko C. Recent results from the WHI : Does this warrant a change in our attitude to HT use? Kitchener-Waterloo Ob/Gyn Group, Waterloo, Ontario, April 2008.


**Greenblatt E.** Global warming and PCOS: Views from the tip of the iceberg. Visiting Professorship. Grand Rounds, Queen’s University, Department of Obstetrics and Gynaecology, Kingston General Hospital, Kingston, Ontario, October 5, 2007.

**Halpern S.** Anaesthesia for the obese parturient for urgent delivery. 2nd Annual Obstetric Anesthesia Workshop, Women’s College Hospital, Toronto, Ontario, November 23, 2007.


**Kingdom J.** Placental development & pathology for REI physicians. Reproductive Endocrinology and Infertility (REI) Rounds, Mount Sinai Hospital, Toronto, Ontario, October 2007.

**Kingdom J.** Progress in the Placenta Clinic – approaching a decade of achievements. Lunch N’ Learn, Mount Sinai Hospital Foundation Board of Directors, Mount Sinai Hospital, Toronto, Ontario, March 2008.

**Kingdom J.** Progress in the Placenta Clinic – approaching a decade of achievements. Mount Sinai Hospital Foundation Board of Directors, Mount Sinai Hospital, Toronto, Ontario, February 2008.


**Langille BL.** Live cell microscopy, A Window to subcellular dynamics, biochemistry and molecular biology. Toronto General Research Institute, Toronto, Ontario, February 2008.


**Lausman AY.** What the intensivist needs to know about Obstetrics. Critical Care Grand Rounds: St. Michael’s Hospital, Toronto, Ontario, November 2007.

**Lefebvre G.** Best practice session on hysterectomy. SOGC Ontario Regional Meeting, December 2007.

**Lefebvre G.** How we maintain competence in gynecologic surgery and who is watching? SOGC Ontario Regional Meeting, December 2007.


**Letarte M.** Review of protocols using genetically engineered animals. ACC 201 Workshop, CALAS Meeting, Markham, Ontario, June 2008.


Meffe F. Study results presentation on Barriers and Opportunities for Interprofessional Education of Third Year Medical Students in Labour and Delivery. St. Michael’s Hospital Grand Rounds, Toronto, Ontario, September 21, 2007.

Murphy KE. Antenatal corticosteroids: Repeat or not repeat, that is the question. Research Rounds, Sick Kids Hospital, Toronto, Ontario, February 2008.

Murphy KE. Domestic violence. Lecture for MFM Journal Club Rounds, Mount Sinai Hospital, Toronto, Ontario, June 2007.


Murphy KE. HIV in pregnancy. Maternal-Fetal Medicine Teaching Rounds, Mount Sinai Hospital, Toronto, Ontario, April 2008.

Murphy KE. HIV in pregnancy. Toronto General Hospital, Toronto, Ontario, February 2008.

Murphy KE. Medical disorders in pregnancy. Medical Disorders in Pregnancy Conference, Mount Sinai Hospital, Toronto, Ontario, November 2007.

Murphy KE. Multiple madness: The maternal and fetal risks associated with multiple gestation. Resident Teaching, Women’s College Hospital, Toronto, Ontario, April 2008.


Murphy KE. Systematic Review II. MFM Journal Club/Research Rounds, Mount Sinai Hospital, Toronto Ontario, November 2007.


Nitsch R. Urogynaecology conditions – Management in the family physician’s office. Department of Family Medicine, Sunnybrook Health Sciences Centre, Toronto, Ontario, October 2007.


Okun N. Nuchal translucency and fetal cardiac abnormalities. Fetal Echo Rounds, Mount Sinai Hospital, Toronto, Ontario, April 2, 2008.


Ornstein M. Reproductive health care needs of disabled. Surrey Place Centre Grand Rounds and teleconference, Toronto, 2008.


Steinberg WM. Contraceptive update. Family Practice Unit, Mississauga, Ontario, April 8, 2008.


Steinberg WM. Hormones and the woman in transition. York University Health Unit, Toronto, Ontario, May 7, 2008.


Steinberg WM. PMS. Grand Rounds Family Practice, Guelph General Hospital, Guelph, Ontario, April 16, 2008.


Steinberg WM. Recent controversies in office gynaecology. Brampton Family Practice Rounds, Brampton, Ontario, April 29, 2008.


Toi A. The fetal cerebrum - It’s more than just ventricles. 16th Annual Symposium: New Developments in Prenatal Diagnosis and Medical Genetics. University of Toronto, Toronto, Ontario, May 14, 2008.


Yudin M. A practical approach to vaginitis. Infectious Diseases in Obstetrics and Gynaecology Continuing Medical Education Day, University of Toronto Faculty of Obstetrics and Gynaecology, Toronto, Ontario, Canada, June 6, 2008.

Yudin M. A primer on hepatitis C virus infections in pregnancy. Toronto East General Hospital Department of Obstetrics and Gynaecology Grand Rounds, Toronto East General Hospital, Toronto, Ontario, Canada, April 9, 2008.


Yudin M. HPV vaccination — the latest updates for 2008. Rouge Valley Hospital Obstetrics and Gynecology Grand Rounds. Rouge Valley Hospital, Scarborough, Ontario, Canada, May 1, 2008.


Yudin M. Maternal-fetal medicine implications of hepatitis C virus (HCV) in pregnant women. Mount Sinai Hospital Division of Maternal Fetal Medicine Grand Rounds. Mount Sinai Hospital, Toronto, Ontario, Canada, March 17, 2008.

Yudin M. Office gynaecology infections. Bay Centre for Birth Control and Women’s Health Scholar Program Rounds, Toronto, Ontario, Canada, June 18, 2008.


ORAL AND POSTER PRESENTATIONS

National and International Meetings


**Alarab M, Shynlova O, Drutz H, Lye S.** Extracellular Matrix remodeling is increased in vaginal tissue of premenopausal patients with pelvic organ prolapse. 2008 Annual Meeting of the Society for Gynecologic Investigation (SGI), San Diego, California, USA, March 26-29, 2008.


Barrett J. Delivery of Twins and the Twin Birth Study. Collaborators Meeting for Attendees at Brazilian Congress, Foraleza Hospital, Foraleza, Brazil, November 2007.

Barrett J. Delivery of Twins and the Twin Birth Study. Invited Collaborators Meeting, Tel-Aviv Hospital, Tel Aviv, Israel, December 2007.

Barrett J. Delivery of Twins and the Twin Birth Study. Invited Collaborators Meeting, University of Toronto, Face to Face Steering Committee Meeting, Toronto, Ontario, Canada, May 2008.


Borges B, Terblanche N, Carvalho JCA, You-Ten Kong E. Decreased cardiovascular hemodynamics as possible mechanism of hypotension during cesarean delivery under spinal anesthesia: Role of noninvasive impedance cardiography. 29th Shields Day, University of Toronto, Toronto, Ontario, Canada, May 2, 2008.


Esfandiari N, Burjaq H, Javed M, Gotlieb L, Casper RF. Increased seminal hyperviscosity is associated with lower implantation and pregnancy rates following in vitro fertilization and embryo transfer. 63rd Annual Meeting of the American Society for Reproductive Medicine, Washington, DC, USA, October 13-17, 2007.


Fick LJ, Fick GH, Belsham DD. Palmitate or fructose administration perturbs the rhythmic expression of the molecular clock and neuropeptide genes within immortalized, hypothalamic neurons. 90th Annual Meeting of the Endocrine Society, San Francisco, California, June 2008.

Fong K, Toi A, Okun N, Bhadouri M. Fetal anatomic survey at 12 to 13 weeks by three dimensional ultrasound. American Institute of Ultrasound in Medicine, San Diego, California, USA, March 12-15, 2008.


Friedberg T, Pentazi S, Blaser S, Murphy K, Chitayat D. Fetal parietal foramina: Ultrasound and MRI findings. American Society of Human Genetics, San Diego, California, USA, October 2007.

Friedrich JO, Adhikari NKJ, Ohlsson A, Beyene J. Ratio of means as an alternative to mean differences for analyzing continuous outcome variables in meta-analysis: A simulation study. XIV Cochrane Colloquium, Sao Paulo, October, 2007.


Imperatore A, Rolfo A, Petraglia F, Challis JRG, Caniggia I. Urocortin2 and Urocortin3 mRNA and protein expression are increased in preeclamptic placenta specimens. SGI, San Diego, California, USA, March 2008.


Knight BS, Pennell C, Lye SJ. Fetal HPA activation controls glucose regulation in a strain dependent manner in mice subjected to an adverse intrauterine environment. DOHaD (Developmental Origins of Health and Disease) Meeting, Perth, Australia, November 2007.


Lambe EK. Developmentally modulated excitation of prefrontal layer VI circuitry by nicotinic acetylcholine receptors. Society for Neuroscience, San Diego, California, USA, November 2007.


Lee Y, Balki M, Parkes R, Carvalho JCA. ED95 of hyperbaric 0.75% bupivacaine for spinal anesthesia for cesarean delivery is similar in obese and non-obese women. SOAP 40th Annual Meeting, Chicago, Illinois, USA, April 30-May 4, 2008.


Magalhaes J, **Carvalho JCA**, Parkes R, **Kingdom J**, Li Y, Balki M. Oxytocin pre-treatment decreases oxytocin-induced myometrial contractions in pregnant rats in a dose but not time-dependent manner. Society for Obstetric Anesthesia and Perinatology (SOAP) 40th Annual Meeting, Chicago, USA, April 30-May 4, 2008.

Magalhaes J, **Carvalho JCA**, Parkes R, **Kingdom J**, Li Y, Balki M. Oxytocin pre-treatment decreases oxytocin-induced myometrial contractions in pregnant rats in a dose but not time-dependent manner. 29th Shields Day, University of Toronto, Toronto, Ontario, Canada, May 2, 2008.


**Matthews SG**. Fetal experience programs endocrine function and behaviour across generations. 31st Annual Meeting of the Canadian College of Neuropsychopharmacology, Toronto, Canada, June 2008.

**Matthews SG**. Maternal adversity, glucocorticoids and programming of neuroendocrine function and behaviour. Canadian College of Neuropsychopharmacology (CCNP) meeting, Toronto, Canada, June 2008.


Percy ME. Differences in behavior and amyloid plaque deposition in Tg2576 transgenic mice expressing the human amyloid precursor protein and Wt2576 wildtype mice after the chelation of trivalent iron by Feralex injection. 37th Annual Meeting of the Society for Neuroscience, San Diego, California, USA, November 2008.


Ternamian A. 3,200 laparoscopic peritoneal entries with the visual cannula. 64rd Annual Clinical Meeting of the Society of Obstetricians and Gynaecologists of Canada, Calgary, Alberta, Canada, 28 June 2008.


Wolfman W. Pathological findings in symptomatic and asymptomatic postmenopausal women undergoing hysteroscopy. Society of Obstetricians and Gynaecologists of Canada, Calgary, Alberta, Canada, June 2008.


Yudin MH, Salaripour M, Sgro MD. Pregnant women’s knowledge of influenza and the use and safety of the influenza vaccine during pregnancy. Infectious Diseases Society for Obstetrics and Gynecology, Annual Scientific Meeting. August 9-11, 2007, Boston, MA, USA.


Department of Obstetrics and Gynaecology

25th Annual Research Day

FRIDAY, MAY 2, 2008
8:00 a.m. – 6:30 p.m.
Old Vic Building
91 Charles St. West
Victoria University
University of Toronto

HENDERSON LECTURE: 11:35 a.m. – 12:35 p.m.
“Individualized ovarian cancer treatment and prevention in the genomic era”
Andrew Berchuck MD
Director, Division of Gynecologic Oncology
Duke University Medical Center, Durham NC, USA

WINE & CHEESE RECEPTION: 4:50 – 6:30 P.M.
UNIVERSITY OF TORONTO
Faculty of Medicine
Research Day, May 2, 2008

The Department of Obstetrics & Gynaecology celebrated its 25th annual Research Day on Friday, May 2, 2008. The event highlighted all the exceptional talent we have in our department and our trainees presented orals and posters in a mix of clinical and basic science topics. There were 12 oral and 57 poster presentations and an excellent Henderson Lecture, delivered by Dr. Andrew Berchuck, Director, Division of Gynecologic Oncology, from the Duke University Medical Center, Durham, North Carolina, USA, on the topic of “Individualized ovarian cancer treatment and prevention in the genomic era.”

Oral Presentations

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

**O1** EXPOSURE TO POLYCYCLIC AROMATIC HYDROCARBONS PRIOR TO CONCEPTION INCREASES EMBRYONIC RESORPTION RATES AND IS ASSOCIATED WITH ELEVATED NUMBERS OF UTERINE NATURAL KILLER CELLS.

Jacqui Detmar [PD](1), Xueyuan Shang (1) and Andrea Jurisicova (1,2) (1) Division of Reproductive Sciences, Department of Obstetrics and Gynaecology and (2) Department of Physiology, University of Toronto and the Samuel Lunenfeld Research Institute, Mount Sinai Hospital.

Dr. Andrew Berchuck
Henderson Lecturer
O2 CAN SURGICAL PRECEPTORSHIP MAKE A DIFFERENCE? POST-INTERVENTION ASSESSMENT OF A PRECEPTORSHIP PROGRAM FOR OPTIMIZING MINIMALLY INVASIVE HYSTERECTOMY [WORK IN PROGRESS]*

Gita Singh [F] (1), Suma Shastry (1), Laurel Duquette (2), Catherine Morovac (1), Deborah Robertson (1), Guylaine Lefebvre (1). (1) Department of Obstetrics and Gynaecology, St. Michael's Hospital, University of Toronto, (2) Department of Statistics, University of Toronto.

O3 REGULATION OF MULTIDRUG RESISTANCE PHOSPHOGLYCOPROTEIN IN THE DEVELOPING FETAL BLOOD-BRAIN BARRIER

Sophie Petropoulos [G](1), K Bocking, W Gibb(4), SG Matthews(1-3). Departments of (1)Physiology, (2)Obstetrics and Gynaecology, and (3)Medicine, University of Toronto, (4)Departments of Obstetrics and Gynecology, Cellular and Molecular Medicine, University of Ottawa.

O4 THE ROLE OF DAB2 AND SKIL IN FALLOPIAN TUBE AND OVARIAN HIGH GRADE SEROUS CARCINOMA

Alicia Tone [G] (1-4), Heather Begley (3), Monika Sharma (5), Joan Murphy (2), Barry Rosen (2), Theodore J. Brown (2, 4) Patricia Shaw (1-3). (1) Dept. of Laboratory Medicine & Pathobiology, University of Toronto, (2) Dept. of Obstetrics & Gynecology, University of Toronto, (3) Dept. of Pathology, University Health Network, (4) The Samuel Lunenfeld Research Institute, Mount Sinai Hospital and (5) Microarray Centre, University Health Network.

O5 GENE EXPRESSION PROFILES LINKING SEROUS LOW MALIGNANT POTENTIAL TUMORS WITH MICROPAPILLARY FEATURES TO LOW GRADE SEROUS CARCINOMA OF THE OVARY

Taymaa May [R](1,2,3), Carl Virtanen(4), Monika Sharma(4), Heather Begley(5), Igor Jurisica(4), Barry Rosen(6), K Joan Murphy(6), Patricia Shaw(5), Theodore Brown(1,2,3). (1) Department of Obstetrics and Gynaecology, University of Toronto; (2) Institute of Medical Sciences, University of Toronto; (3) Samuel Lunenfeld Research Institute, Mount Sinai Hospital; (4) Division of Signaling Biology, Ontario Cancer Institute. (5) Department of Pathology, University Health Network; (6) Division of Gynecological Oncology, Princess Margaret Hospital.

O6 HUMAN EMBRYONIC STEM CELLS SECRETE SOLUBLE FACTORS ABLE TO INHIBIT CANCER CELL GROWTH

Domenica Giuffrida [PD], Ian Rogers, Andras Nagy, Theodore J Brown, Robert F Casper. Samuel Lunenfeld Research Institute, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto.

O7 THE ROLE OF THE mTOR SIGNALING PATHWAY IN MYOMETRIAL DIFFERENTIATION

Shabana N Jaffer [G](1,3), O. Shynlova(1), SJ Lye(1,2,3). (1) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (2) Obstetrics and Gynaecology, (3) Physiology, University of Toronto.

O8 SEX LINKED ASSOCIATIONS OF PLACENTAL DYSFUNCTION

Ally Murji [R], Leslie Proctor, John Kingdom

Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital.
O9 ROLE OF MCL-1 UBIQUITIN LIGASE E3 (MULE) IN REGULATING CELL DEATH IN PREECLAMPTIC AND IUGR PLACENTAE
Alessandro Rolfo [PD] (1), Antonella Racano (1,2), Tullia Todros (4), Martin Post (2,3), Andrea Jurisicova (1), Isabella Caniggia (1,2).
(1)Department of Obstetrics and Gynaecology, Mount Sinai Hospital, Samuel Lunenfeld Research Institute, (2) Department of Physiology, University of Toronto, (3) Department of Pediatrics, Hospital for Sick Children, (4) Department of Obstetrics and Gynecology, University of Turin, Turin, Italy.

O10 THE STIMULATING EFFECT OF LPS ON CYTOKINES AND PROSTAGLANDIN-ENDOPEROXIDE SYNTHASE 2 (PTGS2) IN HUMAN PLACENTAL TROPHOBLAST CELLS IS DEPENDENT UPON THE SEX OF THE FETUS
Maryam Yeganegi [G](1,3), Carole S Watson(3), Sung 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.

O11 DOES TRANSVAGINAL ULTRASOUND ASSESSMENT OF TOTAL CERVICAL LENGTH AND/OR ‘FUNNELING TO THE STITCH’ PREDICT PRETERM BIRTH IN WOMEN WITH A CERVICAL CERCLAGE IN SITU?
Alexandra Seaward [M], Julia Kfouri, Jodie Dodd, Rory Windrim, Wendy Whittle.
Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto.

O12 PREDICTION OF ADVERSE PREGNANCY OUTCOMES IN WOMEN WITH LOW PAPP-A
Leslie Proctor(1), M Toal (1), S. Keating (2), N Okun (1), R Windrim (1), G Smith (3), J Kingdom (1).
(1)Maternal-Fetal Medicine Division, (2)Department of Pathology, Mount Sinai Hospital, University of Toronto, (3)Department of Obstetrics & Gynaecology, University of Cambridge, England, UK.
Poster Presentations*
*N.B. Missing numbers relate to withdrawals or changes in the programme

P-A1  DIFFERENTIAL EXPRESSION OF TGF-β RECEPTORS ALK1 AND ALK5 IN PLACENTAE FROM PREECLAMPTIC AND IUGR PREGNANCIES
Yoav Yinon [F], Jing Xu, Tullia Todros, John Kingdom, Martin Post, Isabella Caniggia. Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto.

P-A2  eNOS PROMOTES UTERO-PLACENTAL REMODELING AND BLOOD FLOW, AND FETO-PLACENTAL OXYGEN DELIVERY DURING PREGNANCY IN MICE.
Shathiyah Kulandavelu [G] (1,2,3), Junwu Mu (3), Kathie Whiteley (3), S Lee Adamson (1,2,3). (1) Physiology, Obstetrics & Gynaecology, (2) Cardiovascular Sciences Collaborative Programs, University of Toronto and (3) Samuel Lunenfeld Research Institute.

P-A3  UMBILICAL CORD BLOOD CELLS: POTENTIAL USE IN SPINAL CORD INJURY
Shawn Chua [G]/(1), Ian Rogers (1), Ryszard Bielecki (1), Nobuko Yamanaka (1), Michael G. Fehlings (2), Robert F Casper (1).
(1) Samuel Lunenfeld Research Institute, Mount Sinai Hospital; Department of Obstetrics and Gynaecology; (2) Division of Cell and Molecular Biology, Toronto Western Research Institute, Krembil Neuroscience Center; Institute of Medical Sciences, University of Toronto.
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P-A4  PREVIOUS HUMAN PAPILLOMAVIRUS (HPV) RELATED GYNAECOLOGICAL NEOPLASIA IN WOMEN DIAGNOSED WITH ANAL CANCER IN THE PROVINCE OF ONTARIO
Waldo Jimenez[F](1), Rachel Kupets (1), Lawrence Paszat (2,3), Jill Tinmouth (2,4) (1) Gynaecologic Oncology Division, Department of Obstetrics & Gynaecology, University of Toronto, (2) Institute for Clinical Evaluative Sciences (ICES), (3) Department of Radiation Oncology, University of Toronto (4) Division of Gastroenterology, Department of Internal Medicine, University of Toronto.

P-A5  VEPH1 IS A NOVEL REGULATOR OF TGF-ß SIGNALING IN OVARIAN CANCER CELLS.
Premalatha Shathasivam[G][1,2,3], A. Motamed-Khorasani[1,2,3], J. Wrana[1,5], I. Jurisica[6,7,8], TJ Brown[1,2,3,4]. (1)Samuel Lunenfeld Research Institute, Mount Sinai Hospital; Departments of (2)Physiology, (3)Obstetrics and Gynaecology, (4)Cell and Systems Biology, (5)Medical Genetics and Microbiology, (6)Medical Biophysics, and (7)Computer Science, University of Toronto, and the (8)Division of Cancer Informatics, Ontario Cancer Institute, Princess Margaret Hospital.

P-B1  INCIDENCE OF HYPERTENSIVE DISORDERS IN DISCORDANT AND GROWTH RESTRICTED TWIN PREGNANCIES
Katy Gouin [F](1), Jon Barrett (1), Ori Nevo (1) (1) Division of Maternal-Fetal Medicine, Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre, University of Toronto.

P-B2  AUTOSOMAL DOMINANT SMALL INTESTINAL ATRESIA/STENOSIS - CASE REPORT.
Jaime Jessen, [O](1), S. Koenen(1), D Chitayat(1,2) (1) Mount Sinai Hospital, Department of Obstetrics and Gynaecology (SK), Prenatal Diagnosis and Medical Genetics, (2) Hospital for Sick Children, Department of Paediatric Surgery (PK), Clinical and Metabolic Genetics.

P-B3  CD138 EXPRESSION IN OVARIAN CANCER IS SUPPRESSED BY HISTONE DEACETYLASE INHIBITORS, PHORBOL ESTER AND INTERFERON, AND IS EXTREMELY SENSITIVE TO MICROENVIRONMENTAL CONDITIONS.
Limor Helpman [F](1), B Katz(2), D Grisaru(3) (1)Dept of Gynaecologic Oncology, University of Toronto, (2)Hematology Institute and (3)the Gynecologic Oncology Service, Tel Aviv Medical Center.

P-B4  THE AVAILABILITY AND ACCESS TO NEW TECHNOLOGIES AND PROCEDURES FOR FEMALE PATIENTS WITH PELVIC FLOOR PROLAPSE AND STRESS URINARY INCONTINENCE BY GYNAECOLOGISTS, UROGynaECOLOGISTS, AND UROLOGISTS
Daniel Kreichman [F], Raed Ahmed, Victor Miranda, Harold P Drutz, Danny Lovatsis. Urogynecology and Advanced Pelvic Reconstructive Surgery, Department of Obstetrics and Gynaecology, Mount Sinai Hospital, University of Toronto.

P-B5  UNIVERSITY OF TORONTO STUDENTS’ ACCEPTANCE OF THE HUMAN PAPILLOMAVIRUS VACCINE
Rachel HB Mitchell [M](1), Paula Barata (2,3), Adina Weinerman (1), Thomas Obrien (1), Donna Stewart (1,2) (1) Faculty of Medicine, University of Toronto (2) Women’s Health Program, University Health Network (3) Department of Psychology, University of Guelph.
P-C1 UTILIZATION OF PREOPERATIVE IMAGING AMONG UTERINE CANCER PATIENTS IN ONTARIO
Lilian T Gien [F](1), Lisa Barbera (2,3), Rachel Kupets (1), Refik Saskin (3), Lawrence Paszat (2,3)
(1) Division of Gynecologic Oncology, (2) Department of Radiation Oncology & (3) Institute of Clinical Evaluative Sciences, Sunnybrook Health Sciences Centre, University of Toronto.

P-C2 TRANSGENERATIONAL EFFECTS OF PRENATAL SYNTHETIC GLUCOCORTICOID EXPOSURE ON RENAL FUNCTION
Majid Iqbal[M](1), Jason Leen(1), Elizabeth A Dunn(1), Alice Kostaki(1), Grazyna Kalabis(1), Stephen G Matthews(1,2,3).
Departments of (1) Physiology, (2) Obstetrics and Gynecology and (3) Medicine, Faculty of Medicine, University of Toronto.

P-C3 ROLE OF TAp73 IN THE TRANSFORMATION OF OVARIAN SURFACE EPITHELIUM (Work–in-Progress)
Fatima Khan [G] (1), Tak Mak (2), Andrea Jurisicova (1) (3). (1) Department of Physiology, University of Toronto, (2) The Campbell Family Institute for Breast Cancer Research, Princess Margaret Hospital. (3) Department of Obstetrics & Gynaecology, Mount Sinai Hospital.

P-C4 FIH-1 EXPRESSION/ROLE DURING HUMAN PLACENTAL DEVELOPMENT
Antonella Racano[G] (1, 2), Alessandro Rolfo (1), 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.

P-C5 TRENDS IN MANAGEMENT OF PPROM BETWEEN 24 TO 36 WEEKS’ GESTATION AMONG MFMs IN CANADA
Shereen Chirayilkalam[R](1), Jon Barrett(2), Sharon Maslowitz(2)
(1) Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Women’s College Hospital, Sunnybrook Health Sciences Center.

P-D1 ONE YEAR OBSERVATIONAL STUDY INVESTIGATING THE ENDOMETRIAL PROTECTION AND SYMPTOM CONTROL OF VAGINAL PROGESTERONE IN A COMBINED CONTINUOUS HRT REGIMEN
Jamie Kroft [R], Wendy Wolfman. Department of Obstetrics and Gynecology, Mount Sinai Hospital, University of Toronto.

P-D2 FETAL PARIETAL FORAMINA: ULTRASOUND AND MRI FINDINGS
Tami Friedberg [O](1,3), Sophie Pentazi (2), Susan Blaser (4), Kellie Murphy(3), David Chitayat (1,3,5)
Mount Sinai Hospital, (1) The Prenatal Diagnosis and Medical Genetics Program, (2) Department of Diagnostic Imaging and (3) Obstetrics and Gynecology; The Hospital for Sick Children, (4) Department of Diagnostic Imaging; Divisions of Diagnostic Imaging and Neuroradiology and (5) Division of Clinical and Metabolic Genetics; University of Toronto.
P-D3 THE INVOLVEMENT OF PRE-ECLAMPSIA SUSCEPTIBILITY GENE STOX1 IN MIGRATION AND INVASION OF EXTRAVILLOUS TROPHOBLASTS
Marie van Dijk[PD](1), Caroline Dunk(1), Cees Oudejans(2), Stephen Lye(1)
(1)Department of Physiology, Samuel Lunenfeld Research Institute, Mount Sinai Hospital,
(2)Department of Clinical Chemistry, VU University Medical Center, Amsterdam, the Netherlands

P-D4 ANALYSIS OF DIFFERENTIALLY EXPRESSED PROTEINS IN OVARIAN SURFACE EPITHELIAL CELLS CARRYING A BRCA1 MUTATION BY MULTIDIMENSIONAL PROTEIN IDENTIFICATION TECHNOLOGY
Guoxiong Xu [PD](1), Andreas I. Evangelou(2), Despoina Voulgaraki(1), Nelly Auersperg(3), Dianne Miller(3), Thomas Ehlen(3), Thomas Kislinger(2), and Michelle Letarte(1)
(1)Molecular Structure and Function Program, The Hospital for Sick Children, (2)Cancer Genomics and Proteomics, Ontario Cancer Institute, University Health Network, (3)Department of Obstetrics and Gynaecology, University of British Columbia, Vancouver, British Columbia

P-D5 PSYCHOSEXUAL AND FUNCTIONAL OUTCOMES AFTER CREATION OF A NEOVAGINA VIA LAPAROSCOPIC DAVYDOV IN PATIENTS WITH VAGINAL AGENESIS
Kerith L Lucco [F], Cortney M Brown, Rachel Spitzer, Lisa Allen, Sari Kives, Derek Stephens. Department of Obstetrics and Gynaecology, University of Toronto, Hospital for Sick Children, Mount Sinai Hospital, St. Michael’s Hospital.

P-E1 TRANSGENERATIONAL EFFECTS OF ANTENATAL BETAMETHASONE TREATMENT ON CORTICOSTEROID RECEPTOR EXPRESSION IN THE HIPPOCAMPUS
Steven Koenen [F], Alice Kostaki, Stephen G Matthews. Departments of Physiology, Obstetrics & Gynaecology and Medicine, University of Toronto.

P-E2 CHARACTERIZATION OF MATERNAL IMMUNE CELL POPULATIONS INVOLVED IN DECIDUAL VASCULAR REMODELING.
Aleah Hazan [G](1,2), Caroline Dunk(1), & Stephen J Lye(1,2,3). (1)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Departments of (2)Physiology & (3)Obstetrics & Gynaecology, University of Toronto.

P-E3 GCM1 AND CELL CYCLE REGULATION IN PLACENTAL PATHOLOGY
Dora Baczyk [O](1), Sascha Drewlo(1), Kate Widdows (2), Tahera Ansari (2), John Kingdom (1). (1)Program in Development and Fetal Health, Department of Obstetrics & Gynaecology Samuel Lunenfeld Research Institute, Mount Sinai Hospital (2)Department of Surgical Research, NPIMR, Harrow, London, UK.

P-E4 DIAPHRAGMATIC HERNIA, RENAL AND CARDIAC ABNORMALITIES: A NEW X-LINKED CONDITION?
Megan Thompson [G](1), Sarah Keating(1), Patrick Shannon(1), Gareth Seaward(2), Jacqueline Pierre-Louis(3), Hana Sroka(3), Danielle Shaw(1), Alan Wolf(1), David Chitayat(3). Mount Sinai Hospital (1)Department of Pathology and Laboratory Medicine, (2)Department of Obstetrics and Gynaecology, (3)The Prenatal Diagnosis and Medical Genetics Program; University of Toronto.
P-E5  EVALUATION OF TWO MANAGEMENT STRATEGIES FOR PREOPERATIVE GRADE 1 ENDOMETRIAL CANCER
Marcus Q Bernardini [F](1,4), Taymaa May(2), Mahmoud Khalifa(3), Sharon Nofech-Mozes(3), Andrew Berchuck(4), Al Covens(5), Laura Havrilesky(4)
(1) Division of Gynaecologic Oncology, Department of Obstetrics and Gynaecology, University of Toronto, (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) Department of Pathology, Sunnybrook Health Science Centre, (4) Division of Gynecologic Oncology, Department of Obstetrics and Gynecology, Duke University Medical Center, (5) Division of Gynaecologic Oncology, Odette Cancer Centre, Sunnybrook Health Sciences Centre.

P-F1  RADICAL VAGINAL TRACHELECTOMY VS. RADICAL HYSTERECTOMY FOR SMALL EARLY STAGE CERVICAL CANCER: A MATCHED CASE-CONTROL STUDY
Mario Beiner [F] (1), Jan Hauspy (1), Barry Rosen (2), Joan Murphy (2), Stephane Laframboise (2), Sharon Nofech-Mozes (3), Nadia Ismiil (3), Golnar Rasty (3), Mahmoud A. Khalifa (3), Al Covens (1).
(1) Division of Gynecologic Oncology, Toronto Sunnybrook Regional Cancer Center, University of Toronto, (2) Division of Gynecologic Oncology, Princess Margaret Hospital, University of Toronto, (3) Department of Anatomic Pathology, Sunnybrook Health Sciences Centre, University of Toronto.

P-F2  A NONINVASIVE TECHNIQUE TO MEASURE VISCERAL ADIPOSY IN THE FIRST TRIMESTER OF PREGNANCY (WORK IN PROGRESS)
Aisling Martin(F)(1), Howard Berger(1), Andrea Lausman(1), Joel Ray(1,2,3)
(1)Department of Obstetrics and Gynecology, St. Michael’s Hospital, University of Toronto, (2)Department of Medicine, Divisions of Endocrinology and Metabolism and General Internal Medicine, St. Michael’s Hospital, University of Toronto, (3)Department of Health Policy Management and Evaluation, St. Michael’s Hospital, University of Toronto.

P-F3  PATHOLOGIC FINDINGS IN SYMPTOMATIC AND ASYMPTOMATIC POSTMENOPAUSAL WOMEN UNDERGOING HYSTEROSCOPY
Sarah Wallace [R] (1), Wendy Wolfman (2), Alison Bennett (3), Michelle Jacobson (4) Gina Yip (1) Department of Obstetrics & Gynecology, University of Toronto (2) Department of Obstetrics & Gynecology, Mount Sinai Hospital (3) University of Toronto (4) University of Western Ontario

P-F4  TOPOLOGY OF THE LATE GESTATIONAL EXPANSION OF THE MURINE FETOPLACENTAL VASCULAR TREE
Monique Y Rennie[G](1), Kathie J. Whiteley(3), S. Lee Adamson(2,3), John G. Sled(1).
Departments of (1)Medical Biophysics, (2)Obstetrics and Gynecology and Physiology, University of Toronto, (1)Mouse Imaging Centre, Toronto Centre for Phenogenomics, Hospital for Sick Children, (3) Samuel Lunenfeld Research Institute, Mount Sinai Hospital.

P-F5  PREDICTORS FOR OVERALL SURVIVAL IN PATIENTS WITH ADVANCED EPITHELIAL OVARIAN CANCER
Diederick de Jong [F] (1), Kees Gerestein (2), Rene Eijkemans (3), Maria van der Burg (4), Curt Burger (2), Anca Ansink (2).
(1) Division of Gynaecologic Oncology, Department of Obstetrics & Gynaecology, Princess Margaret UHN, University of Toronto; (2) Division of Gynaecologic Oncology, Department of Obstetrics & Gynaecology, (3) Department of Public Health, and (4) Department of Medical Oncology, Erasmus University Medical Center, Rotterdam, the Netherlands.
P-G2  USE OF ORAL CONTRACEPTIVE PILL DOES NOT AFFECT TRANSFERRED-EMBRYO SCORES IN IVF CYCLES
Samuel Ko [R](1), Heather Shapiro (1), Giulia DeFranco(1).
(1)Reproductive Biology Unit, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto.

P-G3  HUMAN FIRST TRIMESTER UMBILICAL CORD STEM CELLS AS AN EMBRYONIC-LIKE STEM CELL SOURCE: PROLIFERATIVE AND MULTILINEAGE DIFFERENTIATION POTENTIAL
Rong Xiao[PD]., Wei Gong, Jun Hai Zhao, and Clifford L Librach
Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre and Women’s College Hospital, University of Toronto.

P-G4  THE LAPAROSCOPIC MYOMECTOMY: A SURVEY OF CANADIAN GYNAECOLOGISTS
Lynne Zolis [R] (1), Liu Grace(2), Rose Kung(3), Mary Melchior(4), Sony Singh(5), Earl Cook(6).
(1) Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre, (2) Department of Obstetrics and Gynaecology, St. Joseph’s Health Sciences Centre.

P-G5  THE ROLE OF VON HIPPEL-LINDAU (VHL) IN PLACENTAE FROM NORMAL AND PATHOLOGICAL PREGNANCY
Livia Deda [G](1), Jing Xu (2), Alessandro Rolfo (2), Jocelyn Ray (1,2), Isabella Caniggia (1,2)
(1) Departments of Obstetrics/Gynaecology & Physiology, SLRI, Mount Sinai Hospital, (2) Department of Obstetrics & Gynaecology, Mount Sinai Hospital.

P-H1  OUTCOME OF SUBURETHRAL SLING IN THE MANAGEMENT OF CYSTOCELES IN WOMEN WITH AND WITHOUT OCCULT STRESS URINARY INCONTINENCE.
Lamya Al Kharusi (F)(1), Maria Augusta Bortolini(1, May Alarab(1), D. DeCarlo(1), Joel R. K. Moody(2), Danny Lovatsis(1), Harold P Drutz(1)
(1) Urogynecology Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital. (2) Prosserman Centre for Health Research, Samuel Lunenfeld Research Institute, Mount Sinai Hospital.

P-H2  PREECLAMPTIC PLACENTAE DISPLAY ALTERED EXPRESSION OF G1 PHASE CELL CYCLE REGULATORS.
Jocelyn Ray[G](1), Livia Deda(1), Andrea Jurisicova(1), Isabella Caniggia(1).
(1) Departments of Obstetrics/Gynaecology & Physiology, SLRI, Mount Sinai Hospital, University of Toronto.

P-H3  IMPROVING DEVELOPMENTAL COMPETENCE OF PREIMPLANTATION EMBRYOS BY ALTERING THE BALANCE OF BCL-XL
Roxanne Fernandes[G](1), Andrea Jurisicova(1,2), RF Casper(1,2)
(1) Department of Physiology, University of Toronto, Mount Sinai Hospital (2) Department of Obstetrics & Gynaecology.
P-H5  A POSSIBLE ROLE FOR THE PTPN11 GENE IN SEX DETERMINATION
*Micki Thomas [O] (1,2), Jaime Jessen (1,2), Sarah Keating (2), David Chitayat (1,2).*
(1) Department of Obstetrics and Gynecology, (2) The Prenatal Diagnosis and Medical Genetics Program and Department of Laboratory Medicine and Pathobiology, Mount Sinai Hospital; University of Toronto.

P-I1  ECONOMIC ANALYSIS OF LAPAROSCOPIC TWO-TEAM SLING PROCEDURE VS TRANSOBUTURATOR TAPE PROCEDURE
*Violaine Marcoux [F], Patricia E Lee.*
Division of Urogynaecology, Department Of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre.

P-I2  MATERNAL GLUCOCORTICOID ADMINISTRATION IN EARLY PREGNANCY AND THE RELATIONSHIP BETWEEN 11βHSD2 IN OVINE PLACENTA AND FETAL WEIGHT ACROSS GESTATION
*Mélanie C Audette [G](1), KL Connor (1), T Braun (1), S Li (2), TJ Moss (2,3), DM Sloboda (2,3,4), JP Newnham (2,3), JRG Challis (1,5).*
(1) Department of Physiology, University of Toronto, (2) School of Women’s and Infants’ Health, University of Western Australia, (3) Women and Infants Research Foundation, University of Western Australia, (4) The Liggins Institute, University of Auckland, (5) Department of Obstetrics and Gynaecology and Medicine, University of Toronto.

P-I3  OVARY-SPECIFIC DELETION OF MCL-1 AND ITS IMPACT ON GERM CELL SURVIVAL
*Shakib Omari [G](1), Ingrid Lai(1), Andrea Jurisicova(1,2).*
(1) Department of Physiology, University of Toronto, (2) Department of Obstetrics and Gynaecology, Mount Sinai Hospital.

P-I4  SUCCESS RATE OF TRANSOBUTURATOR TAPE (TOT) COMPARE WITH TRANSVAGINAL TAPE (TVT) IN OBESE WOMEN WITH STRESS URINARY INCONTINENCE
*Victor Miranda[F](1), Maria Augusta Bortolini(1), Raed Ahmed(1), Danny Kreichman(1), Joel R. K. Moody(2), Danny Lovatsis(1), Harold P Drutz(1)*
(1) Urogynaecology Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, (2) Prosseman Centre for Health Research, Samuel Lunenfeld Research Institute, Mount Sinai Hospital.

P-I5  OXYTOCIN PRE-TREATMENT DECREASES OXYTOCIN-INDUCED MYOMETRICAL CONTRACTIONS IN PREGNANT RATS IN A DOSE BUT NOT TIME-DEPENDENT MANNER
*Joyce KRS Magalhaes [G](1), Jose Carlos Almeida Carvalho (1,2), Robert Parkes (1), John Kingdom (2), Yonge Li (1), Mrinalini Balki (1).*
(1) Department of Anesthesia and Pain Management, Mount Sinai Hospital, (2) Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto.

P-J1  THE UTILITY OF THE ISOLATED CHOROID PREXUS CYST ON PRENATAL ULTRASOUND TO DETECT FETAL ANEUPLOIDY
*Sue Jin Kim[M](1), Shia Salem (2), Wendy Whittle (1).*
(1) Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, (2) Department of Medical Imaging, University Health Network, University of Toronto.
P-J2  HOW TO GET MORE FROM UMBILICAL CORD BLOOD CELLS
Christine Wong (PD)(1), Robert Casper (1), Ian Rogers (1),(1) Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, University of Toronto.

P-J3  COMPARISON BETWEEN TENSION-FREE VAGINAL TAPE AND TRANSOBTURATOR SUBURETHRAL TAPE FOR SURGICAL TREATMENT OF FEMALE STRESS URINARY INCONTINENCE – A RETROSPECTIVE STUDY
Maria Augusta Bortolini[F](1), Victor Miranda(1), Raed S Ahmed(1), May Alarab(1), Joel RK Moody(2), Danny Lovatsis(1), Harold P Drutz(1)
(1) Urogynaecology Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital. (2) Prosseran Centre for Health Research, Samuel Lunenfeld Research Institute, Mount Sinai Hospital.

P-J4  OUTCOME OF INDUCED DELIVERIES IN GROWTH RETRICTED FETUSES
Sharon Maslovitz [F], Ariel Many.
Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital.

P-J5  EXPRESSION OF THE MAESTRO (MRO) GENE IN ADULT HUMAN OVARIAN GRANULOSA CELLS
Shlomit Kenigsberg [PD](1), P Ronald Tovich (1), Clifford L Librach (1,2)
(1) CReATe Fertility Centre (2) Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre.

P-K1  ADMINISTRATION OF TESTOSTERONE TO ADULT MALE GUINEA PIGS REVERSES THE EFFECTS OF PRENATAL STRESS
Amita Kapoor [G](1) & Stephen G Matthews (1-3)
(1) Department of Physiology, University of Toronto, (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) Department of Medicine, University of Toronto.

P-K2  PERINATAL OUTCOME OF WOMEN WITH INTRACRANIAL NEOPLASMS
Nadine Johnson [F], M Sermer, CV Maxwell.
Division of Maternal-Fetal Medicine, Department of Obstetrics & Gynaecology, Mount Sinai Hospital.

P-K3  AROMATASE INHIBITORS REDUCE MAMMOGRAPHIC BREAST DENSITY IN POSTMENOPAUSAL WOMEN RECEIVING HORMONE REPLACEMENT THERAPY.
Noha Mousa [G] (1), Pavel Crystal (2), Wendy Wolfman(3), Mohamed Bedaiwy(4), Robert Casper (3)
(1)Institute of Medical Science, Mount Sinai Hospital, University of Toronto, (2) Division of Breast Imaging, Mount Sinai Hospital, (3) Department of Obstetrics and Gynaecology, Mount Sinai Hospital, University of Toronto, (4)Reproductive Research Center, Cleveland Clinic, Cleveland.
P-K4  RETROSPECTIVE REVIEW OF PREDISPOSING FACTORS AND SURGICAL OUTCOMES IN OBSTETRIC FISTULA PATIENTS AT A SINGLE TEACHING HOSPITAL IN WESTERN KENYA
Erin McFadden [M](1), Hillary Mabeya(2), Alan Bocking(3), Rachel F Spitzer (3)
(1) Faculty of Medicine, University of Toronto (2) Department of Obstetrics and Gynecology, Moi Teaching and Referral Hospital, Eldoret, Kenya (3) Department of Obstetrics and Gynaecology, University of Toronto.

P-L1  TIMP4 IN HUMAN PLACENTATION AND SEVERE IUGR: COUPLED MECHANISMS IN CYTOTROPHOBLAST DIFFERENTIATION AND INVASION OF THE HUMAN TROPHOBLAST
Sascha Drewlo [PD], Dora Baczyk, John Kingdom. Program in Development and Fetal Health, Department of Obstetrics & Gynaecology, Samuel Lunenfeld Research Institute, Mount Sinai Hospital.

P-L2  ARE THE EFFECTS OF CHRONIC MATERNAL STRESS ON BEHAVIOUR AND ENDOCRINE FUNCTION REVERSED BY ENVIRONMENTAL ENRICHMENT?
Jeff Emack[G](1), Alice Kostaki(1), and Stephen Matthews(1,2,3)
Departments of (1)Physiology, (2)Obstetrics and Gynaecology, and (3)Medicine, Faculty of Medicine, University of Toronto.

P-L3  IDENTIFICATION OF MAESTRO (MRO), A CANDIDATE TESTIS-DETERMINING GENE IN MOUSE, IN HUMAN TESTIS AND EJACULATED SPERM
P Ronald Tovich [PD](1), Shlomit Kenigsberg (1), Clifford L Librach (1,2).
(1) CReATe Fertility Centre (2) Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre.

P-L4  ATTENUATING CIRCADIAN ENDOCRINE RHYTHM DISRUPTION IN HUMANS UNDER NOCTURNAL BRIGHT LIGHT 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).
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P-L5  PILOT STUDY OF THE CAROTID INTIMAL MEDIAL THICKNESS IN ASSOCIATION WITH SECOND TRIMESTER UTERINE ARTERY DOPPLER SONOGRAPHY
(1) Department of Obstetrics and Gynaecology, St. Michael’s Hospital, (2) Department of Obstetrics and Gynaecology, Mount Sinai Hospital, (3) Department of Paediatrics, Hospital for Sick Children, (4) Department of Medicine, St. Michael’s Hospital; University of Toronto.
Research Day Awards

The 2008 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: Marcus Bernardini (Supervisor: Allan Covens) for Poster presentation, E5

Graduate Student: Maryam Yeganegi (Supervisor: Alan Bocking) for Oral presentation, O10

Post-Doctoral Fellow: Christine Wong (Supervisor: Robert Casper) for Poster presentation J2

Resident: Taymaa May (Supervisor: Theodore J Brown) for Oral presentation O5

Medical Student: Sue Jin Kim (Supervisor: Wendy Whittle) for poster presentation J1

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 Shereen Chirayilkalam.
RESEARCH GRANTS AND INVESTIGATIONS


Adamson SL (Principal Investigator), Rossant J (Co-Principal Investigator); Osborne L, Bruneau BG (Co-Applicants). Generation and physiological analysis of genome-wide mutations in mice. Canadian Institutes of Health Research – Operating Program, $1,293,687 total, $250,909 per annum + $39,142 Equipment, 2004 – 2009.


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


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


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.


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.

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). 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, Rogers I. (Principal Applicants). Umbilical cord blood stem cells for tissue therapeutics. Inception Biosciences Inc., $315,000 per annum, 2003 – present.

Challis JRG (Principal Investigator), 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 (Renewal), $1,138,000 total, $227,600 per annum, $113,800 first and last year, 2004 – 2010.

Challis JRG, Lye SJ (Co-Principal Investigators). Paracrine controls of human labour. Canadian Institutes of Health Research, $792,120; $158,424 per annum; Operating grant, October 2005 – September 2010.

Challis JRG (Principal Investigator), 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 2004 – September 2009.

Challis JRG (Principal Investigator), Matthews SG. Control of parturition. Canadian Institutes of Health Research, Operating Grant, $1,050,000 total, $210,000 per annum, 2004 – 2009.


Dennis CL (Principal Investigator), Stewart DE (Co-Applicant). An RCT to Evaluate the Effectiveness of Peer Support for PPD. Canadian Institutes of Health Research, $1,005,526, January 2004 – January 2008.


**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** (Principal Investigator), Co-Principal Investigators: Urowitz S, Classens C. Development and validation of the modified sexual adjustment and body image scale in women with a diagnosis of gynecologic cancer (SABIS-G). Research Award through Department of Obstetrics and Gynecology, University of Toronto, $5000, 2008.


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.


Kim PW, Ryan G (Project Co-leaders). The Fetal Alert Network. Ministry of Health and Long Term Care, One-time operating funds, $1,000,000, 2007-2008.


Kives S. Randomized controlled trial of continuous oral contraceptives vs. cyclical oral contraceptives in adolescents. Physicians’ Services Incorporated Foundation, $75,000.

**Kingdom JCP** (Principal Investigator). Villous trophoblast turnover. Canadian Institutes of Health Research Award, $532,888, 2006-2010.


**Kingdom J,** Jain V (Co-Principal Investigators) Induction and characterization of IUGR by sub-lethal injections of Gcm-1 siRNA into the embryonic exocoelomic cavity in mice. Physicians’ Services Incorporated Foundation, Resident Research Grant, $19,500, January – December 2007.

**Kingdom J** (Principal Investigator), McLeod K, Windrim R (Co-investigators). Randomised trial of heparin in women with severe placental dysfunction. Physicians’ Services Incorporated Foundation, $80,000, 2007.


**Lambe EK.** 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. Signal transduction and adult cortical network activity. NAational Science And Engineering Research Council (NSERC) Discovery Grant (Operating), $178,125 total ; $35,625 per annum, 2007 – 2012.


Langille BL. Cadherins and regulation of smooth muscle cell function. Heart and Stroke Foundation of Ontario (NA 5332), $74,196.00 per annum 2004-07; $125,957 per annum 2007-12; 2004 – 2012.


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. Operating Grant, $200,000 total, $100,000 per annum, 2007 – 2009.


Lye SJ (Principal Investigator), Adamson SL, Challis JRG, Danska S, Matthews S, Osborne L, Pennell C, Rossant J (Co-Investigators). A murine model to investigate the mechanisms underlying DOHaD. Canadian Institutes of Health Research, Operating Grant (MOP 81238), $373,674 total, $124,558 per annum, October 2006 – September 2009.


Lye SJ (Principal Investigator), Langille L. Myometrial programming: A new concept underlying the control of myometrial contractility during pregnancy. Canadian Institutes of Health Research $727,080 total, $145,416 per annum, Operating grant, October 2005-September 2010.


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


Meffe F (Principal Investigator), Campbell D, Houston P, Nevins A, Lynch B (Co-investigators). The development, implementation and evaluation of an interprofessional education curriculum in maternity care for undergraduate students in nursing, midwifery and medicine. Interprofessional Education in Maternity Care Pilot Project. Ministry of Health and Long Term Care, Interprofessional Care Fund, $175,000, December 2007.


Nevo O (Principal Investigator); Bocking AD, Caniggia I (Co-Investigators). Expressions of pro (VEGF, PIGF) and anti (sFlt-1) angiogenic factors in placentae of IUGR pregnancies. Physicians’ Services Incorporated Foundation, $19,500, October 2006 – October 2007.

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.


Percy ME (National Coordinator, Canada; Principal Investigator, Surrey Place Centre Site); Dalton AJ (Project Principal Investigator); Aisen PS, Sano MC (Study Directors). Multicenter vitamin E trial 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), Clinical trial, $9,000,000 (total), $1,129,849 (per annum, overall, 2007), $12,000 per annum, Surrey Place Centre site, 2000 – 2010.

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.

Ray JG. New Investigator Award. Canadian Institutes of Health Research. $250,000, 2005-2010.


Rossant J (Principal Investigator); Adamson SL, Aubin JE, Cordes SP, Osborne LR, Quaggin SE, Roder JC, Stanford WL, Vallis KA, Van Der Kooy DJ, Vidal SM. Centre for Modeling Human Disease. Canadian Institutes of Health Research Group Program, $2,532,330 total, $506,466 per annum + $15,000 Equipment, 2004 – 2009.


Sermer M (Co-Principal Investigator). 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.


Vranic M (Principal Investigator), Matthews SG. 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.


Windrim R (Principal Investigator) for the TIPPS Group. TIPPS utility of simulated model in the teaching of invasive fetal procedures. Mount Sinai Hospital Striving for Excellence Fund ($10,000), Matching funds from University of Toronto Department of Obstetrics and Gynaecology ($10,000), Matching funds from the Dean’s Excellence Fund ($20,000), $40,000, 2002 – 2008.

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.
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