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
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Obstetrics & Gynaecology
UNIVERSITY OF TORONTO
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It is a great privilege and pleasure for me to introduce the University of Toronto Department of Obstetrics and Gynaecology Annual Report for the academic year 2009-2010. This was another very successful year for Department members, with many achievements and accolades.

We welcomed a number of new members to the Department this year. Dr. Astrid Christoffersen-Deb joined as a Lecturer with an emphasis on Global Health. She will serve as our Field Director at Moi University School of Medicine in Eldoret, Kenya. Astrid is a great addition to our Department and will soon be completing her PhD in Social Anthropology at the University of Oxford. Dr. Matthew Morton, who has expertise in Minimally-Invasive Surgery, joined the Department at Mount Sinai Hospital, and Dr. Colleen McDermott joined the Department at St. Michael's Hospital, having completed a three-year Fellowship in Urogynaecology and Pelvic Floor Reconstruction.

A number of members have been promoted this academic year. I am particularly pleased with the fact that five members were promoted to Full Professor: Dr. Ted Brown, Dr. Isabella Cannigia, Dr. Guylaine Lefebvre, Dr. Barry Rosen and Dr. Gareth Seaward. We extend our hearty congratulations to these five individuals, who make tremendous contributions to our Department. Three of our members were promoted from Lecturer to Assistant Professor, including Dr. Oluleke Badmos, Dr. Elyse Lackie and Dr. Modupe Tunde-Byass.

Many members received awards, including Dr. Wendy Wolfman, who was named Practitioner of the Year by the North American Menopause Society at its Annual Meeting in San Diego, California. Dr. David Chitayat received the Founders Award from the Canadian Association of Medical Geneticists. Dr. Guylaine Lefebvre received the Distinguished Service Award from the Society of Obstetricians and Gynaecologists of Canada, and Dr. Nick Pairaudeau received the Ontario Regional Achievement Award from the SOGC. Dr. Michael Sved was the University of Toronto Carl Nimrod Educator of the Year Award recipient at APOG. We celebrated the accomplishments of the recipients of the Chair's Awards, outlined on page 27 of this report. Congratulations to all these recipients, as well as those recipients of the Awards for Undergraduate Teaching Excellence at our hospital sites. I would like to extend particular congratulations to Drs Paul Bernstein, Adelmo Martoglio, Mary Melchior and Artin Ternamian, who received Master Teacher Awards. I also would like to congratulate the many researchers in our Department who have successfully obtained peer-reviewed grants despite difficult economic times.

The academic year 2009-2010 marked the further embellishment of our Strategic Plan. At our retreat in the fall of 2009 we confirmed six strategic directions: enhancing our focus on research; developing our community teaching sites and addressing gaps in our core curriculum; clarifying and demonstrating our commitment to social responsibility as part of our academic responsibility; recognizing, valuing and developing our faculty and staff; strengthening our communications infrastructure and reinforcing our funding base; and developing benchmarks for excellence and
monitoring our performance. We have identified specific implementation priorities within each of these strategic directions and individuals to lead the implementation of these strategic directions.

In December, the inaugural APOG-Cannell Lecture was held in conjunction with our University Department Interhospital Rounds. Dr. Richard Reznick, Chair of the University of Toronto Department of Surgery, spoke on Innovations in Surgical Education, an extremely well-received lecture that set the stage for what I am sure will be outstanding annual lectures.

We were fortunate to have Flora Maragoulas help us as the Administrative Assistant to the Department this past year and have now welcomed Cherryl Bird in her role as Departmental Assistant. I would like to personally thank all the staff at 92 College, including Franca Conciatore, Mary Miceli, Maria Wowk, Katherine MacRury, and Cherryl Bird, as well as consultant Helen Robson, for their ongoing commitment and support for our Department.

It is, indeed, a pleasure and privilege to serve as the Chair of this Department and I hope you enjoy reading about our collective accomplishments over the last 12 months.

Yours sincerely,

Alan D. Bocking, MD, FRCSC
Gordon C. Leitch Professor and Chair
Department of Obstetrics and Gynaecology
FACULTY 2009-2010

Primary Appointments

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

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

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

Assistant Professors
Hani Akoury
May Alarab
Marshall Barkin
Samir Batarseh
Yaakov Bentov†
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
Lilian Gien†
Karen Glass
James Goodwin
Peter Hawrylyshyn
Elaine Herer
Man Fan Ho
Stephen Im
Waldo Jimenez Fielder
Johannes Keunen
Sari Kives
Murray Kroach
Rachel Kupets
Elyse Lackie
Stéphane Laframboise
Evelyn Lambe†
Andrea Lausman
Patricia Lee
Elyse Levinsky  
Grace Liu  
Kimberly Liu  
Danny Lovatsis  
Elliott Lyons  
Katherine MacRury  
Adelmo Martoglio  
Cynthia Maxwell  
Mohamed Mitwally†  
Eva Mocarski  
Robert Nicholson  
Ori Nevo  
Melanie Ornstein  
Ray Osborne  
Wusun Paek  
Nicholas Pairaudeau  
Mel Petersiel  
Richard Pittini  
Deborah Robertson  
Ian Rogers  
David Rosenthal  
Jodi Shapiro  
Prati Sharma  
Rajiv Shah  
Sony Sierra  
Dana Soroka  
Rachel Spitzer  
Donna Steele  
Wilf Steinberg  
Michael Sved  
Karen Tessler  
Jackie Thomas  
Bruce W. Thomas  
Modupe Tunde-Byass  
Konstantin Valtchev  
Fay Weisberg  
Herb Wong  
Suzanne Wong  
Brenda Woods  
Mark Yudin  
Yick-Shing Yung  
Art Zaltz

**Lecturers**

Oluleke Badmos  
Clarissa Bambao†  
Ari Baratz  
Nicolette Caccia  
David Caloia†  
Paul Chang  
Nicole Cherry  
Jennifer Cram  
Astrid Christoffersen-Deb†  
Joe Daly  
Eve Fried†  
Dimitrios Giannoulias  
Shlomo Grynspan  
Helen Ho  
Angela Kang  
Danny Kreichman†  
Sabrina Lee  
Terry Logaridis  
Alexandra Nevin Lam†  
Romy Nitsch  
Elan Raymond  
Nathan Roth  
Edward Ryan  
Abheha Satkunaratnam  
Nicholas Shilletto  
Paul Shuen  
Kirsten Smith†  
Linda Stirk  
Melissa Tai  
Sierra Washington†  
Wendy Whittle  
Georgina Wilcock  
Michelle Wise  
Jeremy Wong

**Adjunct Faculty**

Navid Esfandiari  
Jo-Ann Johnson  
Craig Pennell  
Felice Petraglia  
Paul Thistle

†New appointment  ‡Joint appointment with Department of Physiology
## 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
- Mahmoud Khalifa - Laboratory Medicine & Pathobiology
- Shoo Lee - Paediatrics
- Michelle Letarte - Immunology
- Stephen Matthews - Public Health Sciences
- Steven Narod - Paediatrics
- Arne Ohlsson - Paediatrics
- Maire E. Percy - Physiology
- Gail Robinson - Psychiatry
- Janet Rossant - Medical Genetics
- Sam Siu - Medicine
- Donna Stewart - Psychiatry
- Gillian Thomas - Radiation Oncology
- Rosanna Weksberg - Paediatrics

### Associate Professors
- Ida Ackerman - Radiation Oncology
- Lynn Allen - Laboratory Medicine & Pathobiology
- Elizabeth Asztalos - Paediatrics
- José Carvalho - Anaesthesia
- Michael Dunn - Paediatrics
- Denice Feig - Medicine
- Katherine Fong - Medical Imaging
- Stephen Holzapfel - Family & Community Medicine
- Sarah Keating - Laboratory Medicine & Pathobiology
- Carl Laskin - Immunology
- Amit Oza - Medical Oncology
- Patricia Shaw - Laboratory Medicine & Pathobiology
- Andrew T. Shennan - Paediatrics
- Ants Toi - Medical Imaging
- Elizabeth Winsor - Laboratory Medicine & Pathobiology

### Assistant Professors
- Tony Barozzino - Paediatrics
- Karen Chong - Paediatrics
- Phyllis Glanc - Medical Imaging
- Joel Ray - Medicine
- Michael Sgro - Paediatrics
- Martin Skidmore - Paediatrics
- Sandra Viero - Laboratory Medicine & Pathobiology

### Adjunct Faculty
- Fern Small - Psychiatry

†New appointment
Administrative Staff

Business Manager
Franca Conciatore

Coordinator of Undergraduate Program
Maria Wowk

Coordinator of Postgraduate Program
Mary Miceli

Departmental Assistant
Flora Maragoulas/Cherryl Bird

Webmaster
Karen Healy
Residents

PGY 1
Paulina Cybulska
Brian Ferguson
Helena Frecker
Louise-Helene Gagnon
Alice Han
Julia Kfouri
Kelsey Mills
Leslie Po
Priya Sharma
Laura Sovran
Evan Taerk

PGY 2
Stephanie Backman
Genevieve Bouchard-Fortier
Daniela Caprara
Salikah Iqbal
Naana Jumah
Tharani Kandasamy*
Noushin Khoshbakht
Shannon Moore
Lamide Oyewumi
Jing Qin
Lindsay Shirreff

PGY 3
Melanie Campbell
Crystal Chan
Beth Cruickshank
Karthika Devarajan
Claire Jones
Tharani Kandasamy*
Siobhan Mark
Dan Nayot
Susie Pakenham
Kalpana Sharma
Mara Sobel

PGY 4
Dora Chan
Shannon Corbett
Matthew Laskin
Ally Murji
Andrea Page
Eliane Shore
Sarah Sinasac
Marilyn Sutandar

PGY 5
Kaajal Abrol
Ambika Aneja
Rebecca Cash
Kelly Chu
Marie Czikk
Fatuma Estanbul
Aseel Hamoudi
Usha Harikumar
Yolanda Kirkham
Jamie Kroft
Noor Ladhani
Taymaa May
Alice Pham
Amanda Selk
Lyana Sisca
Lynne Zolis

*Split year
## Clinical Fellows

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DIRECTOR</th>
<th>FELLOW</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Advanced Obstetrics</strong></td>
<td>P. Gareth Seaward</td>
<td>Taher Al Jishi, Shirin Ravani</td>
</tr>
<tr>
<td><strong>Gynaecologic Oncology</strong></td>
<td>Allan Covens</td>
<td>Limor Helpman, Jake McGee, Danielle Vicus, Gennady, Miroshnichenko, Luc von Lonkhuizen</td>
</tr>
<tr>
<td><strong>Maternal-Fetal Medicine</strong></td>
<td>Cynthia Maxwell</td>
<td>Malikah Al-Faraj, Hagai Amsalem, Ariadna Grigoriu, Erica Howse, Dini Hui, Ann Malinowski, Shay Porat, Julie Robertson, Susanne Schrey, Renee Wong, Yoav Yinon</td>
</tr>
<tr>
<td><strong>Reproductive Endocrinology</strong></td>
<td>Barbara Cruickshank</td>
<td>Beth Gunn, Rebecca Arthur</td>
</tr>
<tr>
<td><em><em>MIGS</em> – St. Joseph’s Health Centre</em>*</td>
<td>Nicholas Leyland/Artin Ternamian</td>
<td>Andrew Stewart, Constance Nascello (Royal College Community Surgeon Fellowship)</td>
</tr>
<tr>
<td><em><em>MIGS</em> – St. Michael’s Hospital</em>*</td>
<td>Guylaine Lefebvre</td>
<td>Matthew Morton, Fady Mansour</td>
</tr>
<tr>
<td><strong>Paediatric and Adolescent Gynaecology</strong></td>
<td>Lisa Allen</td>
<td>Erin Barlow</td>
</tr>
<tr>
<td><strong>Reproductive Sciences</strong></td>
<td>Robert Casper</td>
<td>Eliezer Burstein, Ofer Fainaru, Noha Mousa</td>
</tr>
</tbody>
</table>
Urogynaecology
– Mount Sinai Hospital

Harold Drutz/
Danny Lovatsis
Carolyn Best
Rodrigo Pineda
Daniel Kreichman

–Women’s College Hospital

Rose Kung
Stacey Grossman

Mature Women’s Health
– Mount Sinai Hospital

Wendy Wolfman
Noha Mousa

**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

A. Brown - Community Affiliate Hospital Representative

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

J. Shime - Ex-officio Member, Interim Chief, Women’s College Hospital

F. Meffe - Chair, Undergraduate Education Committee

B. Rosen - Head, Division of Gynaecologic Oncology

H. Shapiro - Chair, Postgraduate Education Committee

F. Weisberg - Chair, Continuing Medical Education Committee

Undergraduate Committee

F. Meffe, Chair
J. Blake
A. Bocking
J. Bodley
K. Bremer

C. Chan
E. Frotten
M. Gans
S. Lee
S. Kives

K. MacRury
T. May
R. Pittini
M. Sved/D. Lovatsis
S. Wong

Postgraduate Education Committee

H. Shapiro, Chair
J. Blake
A. Bocking
K. Chu / J. Kroft (PGY5)
B. Cruickshank (PGY3)
J. Dodge
S. Iqbal/S. Moore (PGY2)
S. Kives

R. Kung
N. Leyland
K. MacRury
M. Ornstein/ J. Cram
A. Page (PGY4)
R. Pittini
J. Shapiro
D. Soroka

L. Sovran (PGY1)
J. Thomas
M. Tunde-Byass/ N. Pairaudeau
C. Wade
A. Zaltz
Research Committee
S. Lye, Chair
L. Adamson
J. Barrett
T. Brown
I. Caniggia
R. Casper
A. Covens
J. Kingdom
R. Kung
E. Lambe
C. Librach
S. Matthews
K. Murphy
R. Windrim
M. Yudin

Promotions Committee
K Ritchie, Chair
L. Adamson
T. Brown
R. Casper
A. Covens
D. Farine
J. Kingdom
G. Lefebvre
B. Rosen
M. Sermer

Fellowship Directors Committee
H. Shapiro, Chair
L. Allen
J. Barrett
H. Berger
J. Blake
A. Bocking
R. Casper
A. Covens
B. Cruickshank
H. Drutz
R. Kung
G. Lefebvre
N. Leyland
C. Librach
D. Lovatsis
C. Maxwell
G. Seaward
A. Ternamian
W. Wolfman
H. Wong

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, 2009 to June 30, 2010

<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>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total deliveries</strong></td>
<td>3,093</td>
<td>6,610</td>
<td>3,591</td>
<td>3,451</td>
<td>NA</td>
<td>5,895</td>
<td>3,200</td>
</tr>
<tr>
<td><strong>Caesarean section rate</strong></td>
<td>28.0%</td>
<td>34.3%</td>
<td>37.7%</td>
<td>28.2%</td>
<td>NA</td>
<td>30%</td>
<td>28.0%</td>
</tr>
<tr>
<td><strong>Total gynaecology procedures (minor and major)</strong></td>
<td>1,900</td>
<td>4,655</td>
<td>7,811</td>
<td>2,197</td>
<td>81</td>
<td>2,097</td>
<td>2,872</td>
</tr>
<tr>
<td><strong>Clinic visits (excluding private office visits)</strong></td>
<td>53,783</td>
<td>144,190</td>
<td>20,040</td>
<td>15,622</td>
<td>2,662</td>
<td>6,961</td>
<td>550</td>
</tr>
<tr>
<td><strong>Number of obstetrics beds</strong></td>
<td>17</td>
<td>84</td>
<td>66</td>
<td>33</td>
<td>NA</td>
<td>57</td>
<td>29</td>
</tr>
<tr>
<td><strong>Number of gynaecology beds</strong></td>
<td>6</td>
<td>27</td>
<td>6</td>
<td>59*</td>
<td>0</td>
<td>44†</td>
<td>15‡</td>
</tr>
</tbody>
</table>

*Shared with other specialties  †Shared with General Surgery  ‡Plus swing beds

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

**NA** – Not Available/Applicable
DIVISIONS

Division of Gynaecologic Oncology
Barry Rosen, Division Head

Introduction: Gynaecologic Oncology subspecialty care is provided at Sunnybrook Health Sciences Centre (SHSC) and the University Health Network/Princess Margaret Hospital (PMH), with three gynaecologic oncologists at SHSC and six at PMH. Both surgical groups function within a broader site group, including radiation oncologists, pathologists, radiologists and, at PMH, medical oncologists.

Highlights: Dr. Allan Covens’ internationally-renowned research program at SHSC includes minimally invasive fertility-sparing surgery and research identifying sentinel nodes as predictors of nodal status in cervical cancer. His recent work with the NCI USA Gynecologic Oncology Group (GOG) has helped them secure five years of funding from NIH. After completing her fellowship and a Masters degree in clinical epidemiology, Dr Lilian Gien joined this group last August; she has already obtained her first CCSRI grant on treatment of vulvar cancers. Dr Rachel Kupets continues to play a leadership role in fellowship education.

Under the strong leadership of Dr Stephane Laframboise, the PMH group has improved efficiency in care and integration of the disciplines providing care. Dr Sarah Ferguson leads the survivorship program in gynaecologic oncology and leads several grants on survivor care. She is also developing a clinical protocol on use of sentinel nodes in cervix cancer and on treatment of women under 40 diagnosed with endometrial cancer. Dr Bernardini is leading robotic program development at UHN/PMH, including over 100 robotic surgeries, and a national approach to evaluating robotic surgery. He also leads an across-Canada collaboration for evaluating tumour markers and outcome in women with high-risk endometrial cancer.

Dr Jason Dodge leads the group in education, coordinating medical students and residents and developing a surgical teaching module for radical hysterectomy in low-resource countries. Dr Joan Murphy is a national leader in cervical cancer screening, developing new standards of care. She also works with Dr Theodore J Brown to evaluate fallopian tube epithelium and its precursors in development of serous carcinomas originally thought to begin on the surface of the ovary. Dr Barry Rosen continues to head the University’s Gynaecologic Oncology Division, and that of UHN/PMH. Dr Rosen recently introduced a successful educational programme to Kenya, teaching two surgeons to perform radical hysterectomy as a cure for cervix cancer. This program was developed by the Society of Gynecologic Oncology of Canada (GOC).

The Division provides outreach to help reduce surgery wait times and provide expert consultation and follow-up care in the local community. The closure of the Credit Valley program after Dr. Jimenez’ departure identifies the need to support vulnerable programs.

Future Initiatives: The Gynaecologic Oncology Division is committed to excellent clinical care, research and efforts to work with other stakeholders in developing the best care in the most timely fashion to all women with gynaecologic cancers. The Division will also pursue increased collaboration with Kenyan colleagues.
Division of Maternal-Fetal Medicine
Dan Farine, Division Head

Introduction: The Division of Maternal-Fetal Medicine (MFM) is the largest in Canada, with 25 members, 22 being clinicians or clinician-scientists. This is a very large portion of the 125 MFM sub-specialists in Canada based in 16 universities and many Level II centers. The six affiliated hospitals of the University of Toronto host approximately 24,000 births annually (soon to increase to 33,000 with the creation of the new academy). Statistics Canada has estimated 141,784 births in Ontario and 381,382 in Canada in 2009/10, of which about 87,000 were in our region. Our Division provides tertiary perinatal services for more than 20% of all births in Canada and some quaternary perinatal services (e.g. fetal invasive procedures) for most of Canada. The Division is based in three hospitals (MSH, SHSC and SMH) and all three units are planning major improvements. The Sunnybrook unit has recently moved; the Division in St. Michael’s Hospital is expanding its clinical, teaching and research activities, and soon the unit at Mount Sinai Hospital will have expanded and improved inpatient space and services.

Highlights: Two Division members, Jon Barrett (Twin Studies) and Kellie Murphy (MACS follow-up) have two of the largest multicentre CIHR grants and the Division has the only group grant in perinatal research. We currently have nine investigators who have secured grant funding in excess of $750,000 per annum. Members of the Division published 74 peer-reviewed articles this year, as opposed to 47 last year, with John Kingdom (n=17) and David Chitayat (n=15) leading in publications. In the last five years, our Division has had a very prominent position in the two leading scientific meetings of our subspecialty, the SMFM and the SGI, with regard to overall number of papers, oral presentations and awards.

With nine fellows, we have the largest MFM fellowship program in Canada. Under the directorship of Cindy Maxwell, the program has attracted 40-50 applicants yearly, and is the only program in Canada to offer all aspects of MFM, from large clinical trials at MIRU through a large maternal program, to the most established fetal therapy program in Canada. Our graduating fellows contribute to about 10% of the papers in the SMFM written outside the United States.

Honours: Alan Bocking is the current chair of APOG. Stephen Lye was selected to be the next president of the SGI. S Lee Adamson has received the APOG 2009 Excellence in Research Award and a teaching award from the Department of Physiology at the University of Toronto. Ori Nevo has received two awards in 2009 for his research. Nan Okun’s fellow (Dr. Dini Hui) received the best research award at the Department’s Research Day, and John Kingdom received the European ISSHP Society 2009 Best Oral award.
Division of Paediatric and Adolescent Gynaecology
Lisa Allen, Division Head

Introduction: The Division of Paediatric and Adolescent Gynaecology (PAG) has six members, Division head Lisa M. Allen, and staff members Ali Nevin, Nicolette Caccia, Sari Kives, Melanie Ornstein and Rachel Spitzer. The Division maintains a diverse practice in common conditions and rare challenges in PAG, with over 2500 ambulatory visits per year, including the adolescent pregnancy program. The Division continues to attract referrals to its surgical complex anomalies program from out of province and out of country.

Highlights: Dr. Ali Nevin joined our Division on June 1, 2010, having completed fellowships in Paediatric and Adolescent Gynaecology at Royal Children’s Hospital, Melbourne, Australia, and Gynaecologic Endoscopic Surgery/MIGS, at St. Joseph’s Health Centre in Toronto.

The Division continued to fulfill its mandate in enhancing the gynaecologic care of children and adolescents through education and research in the 2009/2010 academic year. Our fellowship continues to attract diverse applicants from abroad. In addition to a commitment to education of Obstetrics and Gynaecology residents in PAG, the Division attracts residents and students from other programs in Canada.

The members maintain a strong mandate of continuing medical education, with 25 invited presentations in paediatric and adolescent gynaecology, including meetings of the Society of Obstetricians and Gynaecologists of Canada, North American Society of Pediatric and Adolescent Gynecology (NASPAG), the World Congress on Hypospadius and Disorders of Sexual Development, and VI Chilean Congress of Pediatric and Adolescent Gynecology. The section published 6 new peer-reviewed articles on paediatric and adolescent gynaecology research, and collaborates on a peer-reviewed grant from the Comprehensive Cancer Center Adolescent Transition Care Program Competition for, A pilot prospective study of measurement of ovarian function in adolescent females receiving cancer therapy (Gupta A (PI), Co-investigators Lee-Chong A, Allen L, Kives S, Traubici J).

Our members has a strong provincial, national and international presence; Dr. Kives continues as Co-Chair of CANPAGO, the paediatric gynaecology subspecialty committee of the SOGC, with Dr. Allen and Joley Johnstone RN as members. Dr. Allen was the Program Chair of the NASPAG ACM in Las Vegas, April 2010 and continues as a member of the subspecialty committee of APOG. Both Dr. Kives and Allen were elected to the Board of NASPAG in April 2010. Dr. Nicolette Caccia, assisted by Zarine Tilak, is continuing the effort to supplement our didactic core teaching with interactive web-based modules based on the Articulate program, with a grant from the Instructional Technology Courseware Development Fund. Based on the modules developed, the members of the Division, led by Dr. Nicolette Caccia, are working with CANPAGO to develop a cross-country curriculum of modules for use in all University Obstetrics and Gynaecology programs, funded by the Sheila Cohen Endowment for Women’s Health, North York General Hospital Foundation.
Division of Reproductive Endocrinology and Infertility

Theodore J. Brown, Division Head

Introduction: The Division of Reproductive Endocrinology and Infertility encompasses a diverse faculty with clinical and academic interests in male and female reproductive health and disorders, contraception, hormone action and replacement therapy, preimplantation embryo development, breast and ovarian cancer, stem cells, and fertility preservation. In addition to research in these areas, Division members collaborate on research and academic projects inside and outside the Division and Department.

Highlights: Multiple division members are pursuing methods to better screen and select developmentally competent embryos, in an effort to improve in vitro fertilization (IVF) outcome and encourage elective single embryo transfer. Dr. Robert Casper’s team at the Toronto Centre for Assisted Reproductive Technology (TCART) is investigating the use of array comparative genomic hybridization (CGH) on biopsied trophectoderm from blastocysts as a means to obtain an accurate assessment of all chromosomes. Together with the group at Mount Sinai Services, the team at TCART has validated the use of an array CGH technique for analysis of all chromosomes in trophectoderm biopsies from IVF-generated human blastocysts. The biopsied tissue can be tested overnight, enabling a selected blastocyst to be transferred on day 6.

Intracytoplasmic sperm injection (ICSI) is an IVF approach to fertilization in which a single sperm is injected into a recipient oocyte. The leading method to overcome male factor infertility, this approach requires micromanipulation of both the oocyte and sperm, and is technically demanding and labour-intensive. Dr. Casper’s team has collaborated with Dr. Yu Sun’s team at the University of Toronto Department of Biomechanical Engineering to develop the first robotic microinjection system capable of performing automated human ICSI. Computer-controlled, the system requires only a few clicks of a mouse by the operator to direct the entire procedure. Developing the system’s speed and decreasing the dependence on operator skill should lead to improved ICSI outcome.

Advancements in early cancer detection and therapy have resulted in increased cancer survival and the desire to improve quality of life for survivors. Chemotherapy and radiation treatment results in infertility in both males and females. The success rate and awareness of preservation of female fertility through cryopreserving oocytes or ovarian tissue for later use is not high. The Centre for Reproductive Health at Mount Sinai Hospital has taken the lead in developing an urgent referral clinic for both men and women facing possible sterilization after cancer diagnosis. In addition, the team is evaluating the best method of oocyte cryopreservation, comparing the traditional ‘slow freeze’ method to vitrification of oocytes. The clinic has initiated several studies to evaluate barriers to referral of young men and women facing cancer treatment and has conducted several CME sessions with oncology colleagues to allow for easy referral and timely consultation prior to initiation of treatment.

Future Initiatives: The Division continues its strong commitment to research, education and the training of fellows as a means to improve patient treatment and welfare. Providing a platform for improved integration of clinical and research efforts continues to be a goal in the coming year.
**Division of Urogynaecology**  
*Harold Drutz, Division Head*

**Introduction:** The Department of Obstetrics and Gynaecology program in “Female Pelvic Medicine and Reconstructive Pelvic Surgery” (FPMRPS) co-ordinates teaching and training of medical students (core and elective), and core and elective residents (from other national and international universities) in Obstetrics and Gynaecology and Urology, and our three-year Postgraduate Fellowship Training Programs in Disorders of the Female Pelvis. The academic programs function at Mount Sinai Hospital, St. Michael’s Hospital, and Sunnybrook Health Sciences Centre. Residency and fellowship positions are highly competitive and valued. The Division receives local, province-wide, across Canada, and international referrals.

Faculty members include Drs. Harold Drutz, Danny Lovatsis and May Alarab (MSH), William Easton (Scarborough Centenary Hospital), Colleen McDermott, Dana Soroka, Guylaine Lefebvre, Abeha Satkunaratnam, Deborah Robertson (SMH), and Janet Bodley, Rose Kung, and Patricia Lee (SHSC), who are also part of a group of seven Minimally Invasive Gynaecological Surgeons (MIGS), including Drs. Kay Lie, Grace Liu, Herb Wong, and Romy Nitsch, with Mary Melchior, at St Joseph’s Health Centre, involved in MIGS postgraduate training.

The Division leads practice in advanced laparoscopic surgery for the treatment of women with urinary incontinence and pelvic organ prolapse/pelvic floor reconstruction and offers laparoscopic treatment of large fibroids and complex endometriosis involving the bladder and bowel.

**Highlights:** Colleen McDermott is a new staff member, with a three year Board-certified fellowship from Indiana. While on maternity leave, she continues to organize rounds and research meetings.

The ambulatory clinics at SMH were housed in an interim space, as building proceeds towards an October 2010 opening of a new clinic.

Trainees are exposed to a large number of procedures in gynaecologic surgery. The Division has been involved in the development of the Surgical Skills Lab Curriculum for junior residents since 1998 and has developed courses for residents and staff in advanced laparoscopic surgery and continues to work on the development of web-based educational teaching modules for residents, to be embedded in the Department website.

The Division has five externally funded research grants and is active in national and international presentations and publications.

Dr Romy Nitsch ended her term as Co-Advisor for Resident Wellness along with Dr. Janet Bodley, the latter being unanimously voted in by residents to take over next year.

**Honours:** Drs. Lovatsis and Drutz both received Chair’s Awards from the Department and Dr. Guylaine Lefebvre was honoured with the SOGC’s Distinguished Service Award.
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, 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 experience of our students.

**Highlights:** The Gynaecologic Teaching Patient Program for pelvic exam orientation has been replaced by site-specific orientation to the pelvic examination, using pelvic models and examination videos. Student feedback indicates that practice with the models helps them feel more comfortable with their approach to the pelvic exam but does not replace the valuable learning that occurs when performing pelvic examinations in the ambulatory care setting under faculty supervision. Our faculty members and patients should be commended on the important role they play in educating our future physicians about this sensitive examination.

Thanks to a second grant from HealthForceOntario, the original single-site Interprofessional Education (IPE) in Maternity Care program was implemented in the spring of 2010 at three teaching hospital sites, Mount Sinai Hospital, North York General Hospital and St. Michael’s Hospital. A total of 24 undergraduate students from midwifery, nursing and medicine participated in this program over a 5-week period. A proposal to offer this program as an IPE elective for health professions students at the University of Toronto will be submitted to the Centre for IPE, University of Toronto, in the fall of 2010.

Two Kenyan medical students, David Rutha and Korir Tirop, traveled from Eldoret University to do an Obstetrics and Gynaecology elective with our faculty from April 20, 2010 to May 14, 2010. They were held up in the Amsterdam airport for several days due to the eruption of the Icelandic volcano, arriving late and tired, but happy and enthusiastic to start their clinical activities.

**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 2009-10 student award winners!

- Dr. Jacob Goldstein Scholarship: Sarah Blissett
- Hendry Memorial Scholarship: Ray Guo
- Dr. Frederick R. Papsin Award: Kimberly Bremer
- Dr. Sidney M.and Roselyn Tobin Compassionate Scholarship: Scott Penner

**Future Initiatives:** In consultation with our colleagues at the Mississauga Academy of Medicine (MAM), the Undergraduate Committee will work towards implementation of a pilot project to have a small cohort of medical students from each block do part of their 6-week rotation at Credit Valley Hospital and Trillium Health Centre during the next academic year. There has been a tremendous amount of input, support, and enthusiasm from our colleagues at the MAM and from the Departments of Obstetrics and Gynaecology at these sites to get this pilot project off the ground in October 2010.
Postgraduate Medical Education
Heather Shapiro, Director

The University of Toronto continues to lead in the field of postgraduate medical education in Obstetrics and Gynaecology.

Highlights: Several initiatives have been started to further enhance postgraduate education. The academic half-day has been re-vamped so that all residents are together on Thursday mornings. Previously, the teaching had been split into groups for juniors and seniors. The new arrangement should foster cohesiveness of the group, and reduce the duplication of teaching for the faculty.

The curriculum itself has been revised extensively. Highlights of the changes include the appointment of Dr Lillian Gien as the coordinator for the critical appraisal teaching, the incorporation of our PhD colleagues for basic science teaching, and return to the surgical skills labs for the seniors. In addition, Dr Sari Kives has taken on the position of Clinical Science Evening (CSE) Advisor. The CSE will continue to be held five times a year, but with a new emphasis on review of current controversies highlighted in selected journals.

Enrollment reached 51 residents in the PGY1 entry position residency (obstetrics and gynaecology). This included two residents currently enrolled in MSc training. We have received funding for one of only four positions at U of T in the Clinical Investigator Program (CIP). This is a tribute to the strong research support we are able to offer our trainees.

The number of CaRMs applicants continues to rise, reflecting the popularity of the specialty and the reputation of the University of Toronto. The accommodation of the increased resident number has been met easily by the expansion of a resident position at Credit Valley Hospital and other community hospitals.

We have said goodbye to our Resident Wellness Coordinator, Dr Romy Nitsch, and are actively recruiting her replacement.
COMMITTEE REPORTS

Research Committee
Stephen Lye, Chair

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

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

Highlights: Members of the department published approximately 180 peer-reviewed original research papers, plus 75 additional publications in 2009/2010, and hold funding for over 230 research projects.

The Committee was pleased to welcome faculty member Evelyn Lambe as a member. Dr. Lambe is a developmental neuroscientist and holds a joint appointment with our Department and the Department of Physiology.

The Department’s Annual Research Day took place on Friday, May 7, 2010, and continues to be an excellent opportunity to showcase our wide-ranging research and encourage trainees to present their work. There were 15 oral and 61 poster presentations in both clinical and basic science areas and Dr. Jane Norman presented an engaging and informative Henderson Lecture on “Being born too soon – do obstetricians have anything to offer?” Please see page 101 for a list of abstracts and details of the day. The Committee will institute a number of improvements for the next Research Day, including a different venue in which all posters will be posted all day.

The Committee provided input to Chair Alan Bocking with regard to the Department’s Strategic Plan.

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 114) Also, please note all the award winners in the awards section (pages 27-31), of which many are in the area of research.

Future Initiatives: Members of the Research Committee will act as research advisors to Residents in the 2010-2011 year in an effort to assist residents towards success in research. The Committee hopes to host more events in the Ob/Gyn Research Discussion Series in the new year. This series is meant to take a clinical issue or problem and look at the research taking place that could address the topic.
Continuing Medical Education Committee

Fay Weisberg, Chair

The Continuing Medical Education Committee’s focus, since its inception, has been to invite clinically-relevant, practice-changing speakers for Interhospital Rounds and to pursue a long-term strategy for continuing medical education for the Department. Working along with the Office of CEPD, our Department has put on 11 University of Toronto approved courses and continues to be represented at Saturday at the University.

Once again, interhospital rounds were successfully webcast to members of the department to help physicians at remote locations gain access to the excellent list of speakers.

Courses offered by Mount Sinai Hospital:

**Half Day Faculty Development Workshop**

September 30, 2009

**Ceasarean Section Update**

Paul Bernstein, John Kingdom and Rory Windrim

Friday, November 7, 2009

**Medical Disorders in Pregnancy**

Mathew Sermer and Cindy Maxwell

Saturday, November 8, 2009

**5th Annual Gynaecology Review Day**

Paul Bernstein

Friday, November 27, 2009


Dan Farine

Saturday, January 16, 2010

**1st Annual St. Michael’s Hospital Women’s Health Symposium**

Guylaine Lefebvre and Deborah Robertson

Friday January 29, 2010

**13th Annual Women’s Imaging: Advances in Gynaecologic Imaging and First Trimester Ultrasound**

Greg Ryan and Rory Windrim

Friday, February 26 - Sunday, February 28 2010

**6th Annual Mature Women’s Health Care**

Harold Drutz and Wendy Wolfman

Friday, April 23, 2010

**8th Annual Refresher in Primary Maternity Care**

John Kingdom and Rory Windrim

Friday, May 14, 2010
18th Annual Symposium: New Developments in Prenatal Diagnosis and Medical Genetics
Wednesday, May 19, 2010

David Chitayat

Interhospital Rounds:

September 18, 2009

Dr. Alan Thornhill
Scientific Director, The London Bridge Fertility Gynaecology and Genetics Centre, London, UK
Advances in PGD/PGS

October 9, 2009

Dr. Michael Ross
Professor & Chair of Obstetrics and Gynecology, Harbor-UCLA Medical Center, Geffen School of Medicine
Developmental Programming of Metabolic Syndrome

October 30, 2009

Dr. Norman Boyd
Senior Scientist, Ontario Cancer Institute
Professor of Medicine, University of Toronto
Breast Tissue Composition and Breast Cancer Risk

November 6, 2009

Dr. Raymond Powrie
Professor of Medicine, Obstetrics and Gynecology
Warren Alpert Medical School, Brown University
Senior Vice President, Quality and Clinical Effectiveness, Women & Infants Hospital of Rhode Island
Medical Causes of Maternal Mortality and What to Do About Them

December 4, 2009

Dr. Richard Reznick
RS McLaughlin Professor & Chair
Professor of Surgery, University of Toronto
Vice President of Education, University Health Network
It's Not About the "Competencies", It's About Curricular Revolution

January 15, 2010

Dr. Barry Rosen
Division Head of Gynaecologic Oncology, University of Toronto
Head, Division of Gynaecologic Oncology, University Health Network
Cervical Cancer: Can We Make a Difference in Kenya?
February 12, 2010  
**Dr. Rory Windrim & Dr. Richard Pittini**  
Department of Obstetrics & Gynaecology  
University of Toronto  
*Simulation in OB/Gyn: Here, There and Everywhere*

March 12, 2010  
**Dr. Ilan E Timor-Tritsch**  
Professor, Department of Obstetrics and Gynaecology, New York University, Langone Medical Center  
*Is Caesarean Scar Pregnancy Pandemic These Days?*

April 9, 2010  
**Dr. Timothy Rowe**  
Associate Professor, Division Head, Reproductive Endocrinology & Infertility, UBC Centre for Reproductive Health  
*What Is a Good Doctor and How Do We Make One?*

April 30, 2010  
**Dr. Al Yuzpe**  
Co-Founder and Co-Director, Genesis Fertility Centre, Vancouver, BC  
*Elective Single Embryo Transfer (eSET)*

May 7, 2010  
**RESEARCH DAY**

June 11, 2010  
**Dr. Michael Kaufmann**  
Director, Physician Health Program, Ontario Medical Association  
*Our Health Matters: Responding to Physicians in Need.*
EDUCATIONAL PARTNERSHIP PROGRAM

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

After a very difficult financial year, we are very pleased to report that six of our Industry Sponsors have renewed their commitment for the 2009-2010 academic year.

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

The 2009-2010 Industry Sponsors are:

**PLATINUM LEVEL**
- Bayer Healthcare Pharmaceuticals

**GOLD LEVEL**
- GlaxoSmithKline

**SILVER LEVEL**
- Abbott Laboratories Ltd.
- Boehringer Ingelheim
- Ferring Pharmaceuticals
- Merck Frosst

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

DEPARTMENT AWARDS

2009-2010 CHAIR’S AWARDS

Danny Lovatsis
Excellence in Undergraduate Teaching

Nan Okun
Excellence in Postgraduate Teaching

Lisa Allen
Excellence in Postgraduate Program Development/Innovation

Marshall Barkin
Excellence in Research Facilitation

Andrea Jurisicova
Sustained Excellence in Research

Sari Kives
Excellence in Continuing Medical Education

Wendy Wolfman & Harold Drutz
Excellence in CME Course Coordination

2010 AWARDS FOR UNDERGRADUATE TEACHING EXCELLENCE

Paul Bernstein
Mount Sinai Hospital
Maya Gans
Toronto East General
Danny Lovatsis
Mount Sinai Hospital
Adelmo Martoglio
St. Michael's Hospital
Artin Ternamian
St. Joseph's Health Centre
Modupe Tunde-Byass
North York General
Arthur Zaltz
Sunnybrook Health Sciences Centre

MASTER TEACHER AWARDS

Paul Bernstein
Mount Sinai Hospital
Adelmo Martoglio
St. Michael's Hospital
Mary Melchior
St. Joseph's Health Centre
Artin Ternamian
St. Joseph's Health Centre
S Lee Adamson
AOG 2009 Excellence in Research, awarded by the Association of Professors of Obstetrics and Gynaecology (AOG), Canada, 2009

Department of Physiology Teaching Award for “Undergraduate Large Class and Joint Undergraduate Small Class/Graduate Teaching”, University of Toronto, Canada, 2009

Lisa M Allen

Clarissa Bambao

Marcus Bernardini
Bernardini M, Gien L, Murphy J, Rosen B. Surgical management of the morbidly obese patient using the Da Vinci Robotic Surgical System. Society of Gynecologic Oncology of Canada (GOC) Meeting, Sheraton Hotel, Montreal, Quebec, Canada, June 5, 2010. Best Poster Award

Isabella Caniggia
Kalkat M (Msc Student), Garcia J, Ray J, Caniggia I. The Inhibitory role of Mcl-1 on the induction of autophagy in the human placenta. IFPA, 2009, Adelaide, Australia. Recipient of IFPA Travel Award.

Sivasubramaniyam T (Msc Student), Caniggia I. TGF signalling Via Par6 regulates trophoblast cell polarity. IFPA, 2009, Adelaide, Australia. Recipient of IFPA Travel Award.

José Carvalho
Zuspan Award
Balk M, Erik-Soussi M, Kingdom J, Carvalho JCA. Contractile efficacy of different prostaglandins in pregnant rat myometrium pre-treated with oxytocin. 42nd Annual Meeting of the Society for Obstetric Anesthesia and Perinatology, San Antonio, Texas, USA, May 12-16, 2010

Selected for Best Paper Competition
Balk M, Erik-Soussi M, Kingdom J, Carvalho JCA. Myometrial contractility with different uterotonic agents in laboring and non-laboring women. 42nd Annual Meeting of the Society for Obstetric Anesthesia and Perinatology, San Antonio, Texas, May 12-16, 2010

Best Paper in Obstetric Anesthesia
Dlacic A, Furtado L, Margarido C, Balk I, Carvalho, JCA. The epidural electric stimulation test does not predict labor epidural analgesia patterns. Canadian Anesthesiologists’ Society Annual Meeting, Montreal, Quebec, June 26-29, 2010
David Chitayat  
Continuing Education Award for Excellence in Long-Term Contributions in Course Coordination, Department of Paediatrics, University of Toronto, The Hospital for Sick Children June 2010.

Christine Derzko  
Derzko CM, Shapiro M, Jolly E, Yuen CK, Kendler D. Familiarity among Canadian physicians with the WHI Study and with evidence-based guidelines for managing menopause symptoms. Poster Best 1 of 4 in Category SOGC/AGM, Montreal, Quebec, Canada, June 4, 2010.

Navid Esfandiari  

First video award for Technical Achievement

Sarah Ferguson  

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

Sarah Keating  
John B. Walter Prize for Teaching/Education, Department of Laboratory Medicine and Pathobiology, Faculty of Medicine, University of Toronto, 2010

John Kingdom  

Sari Kives  
Abstract Award – Top Four Gynaecology Poster Presentations Screening for bacterial vaginosis at the time of intrauterine device insertion: Is there a role? Annual Clinical Meeting of Society of Obstetricians and Gynaecologists of Canada, Montreal, Quebec, Canada, June 2010.
Rachel Kupets
Kupets R. Patterns of care of high grade cervical dysplasia
Best paper in Health Services Research
GOC AGM, Montreal, Quebec, Canada, June 2010.

Patricia Lee
First Prize for Best Junior Fellow Gynaecology Poster
SOGC Meeting, Montreal, Quebec, Canada, June 2010.

Guylaine Lefebvre
Distinguished Service Award
Society of Obstetricians and Gynaecologists of Canada
June, 2010

Ori Nevo
Dr. Dorothy Borsook Memorial Award, July 2009

Wusun Paek
Sutandar, M, Paek W. Survey of menstrual cycles: The prevalence of menorrhagia and its impact in the workforce
2nd place in the Gynaecology Junior Member Poster Section, SOGC ACM, Montreal, Quebec, June, 2010

Nicholas Pairaudeau
Honourary Professor at Beijing Hospital, Beijing, China, April 2010

Award of Excellence in the Ontario Region, SOGC Regional Achievement Award, June 2010

Barry Rosen
Bernardini M, Murphy J, Rosen B. Surgical management of the morbidly obese patient using the Da Vinci Robotic Surgical System M.
Best Poster Award, GOC 31st Annual General Meeting, Montreal Quebec, June 4-6, 2010

Rosen B, Mabeya H, Omenge O, Caloia D, Cu-Uvin S. Developing a cervical cancer prevention program in a low resource country
Best Paper in Innovation Education, GOC 31st Annual General Meeting, Montreal, Quebec, Canada, June 4-6, 2010.

Mathew Sermer
Best Oral Presentation

Malinowski A, Robertson J, Maxwell C, McGreer A, Sermer M, Farine D
H1N1 in pregnancy: A tertiary care experience.
University of Toronto 9th Annual Neonatal & Maternal-Fetal Medicine Day, Toronto, Ontario, Canada, April 27, 2010
Best Poster Presentation
Michael Shier

Winning poster, SOGC Annual Meeting, Montreal, Canada, June 5, 2010.

Donna Steele
Sustained Excellence in Postgraduate Teaching Award, St Michael’s Hospital
CREOG Award for Postgraduate Education

Donna E Stewart
Award of Honour for International Women’s Health, CES University, Colombia, 2010
CIHR/Royal Society of Canada Visiting Women Scientist to Japan (WiSET), 2009-present

Michael Sved
Carl Nimrod Educator of the year Award, APOG, December 2009

Modupe Tunde-Byass
Barry Tobe Award 2010
For clinical excellence and innovation in establishing the Early Pregnancy Assessment Clinic at NYGH
Medical Staff Association, North York General Hospital

Rosanna Weksberg
Awarded Keystone Symposia Scholarship, through the National Institutes of Health, National Institute of Mental Health Grant.

Wendy Wolfman
Practitioner of the Year Award, North American Menopause Society, San Diego, California, October 2009

Mark Yudin
Council on Resident Education in Obstetrics and Gynecology (CREOG)
National Faculty Award for Top Teacher of Residents
The American College of Obstetricians and Gynecologists (ACOG), 2009

Abstract Award, Top Four Gynaecology Poster Presentations
Screening for bacterial vaginosis at the time of intrauterine device insertion: Is there a role?
Annual Clinical Meeting of Society of Obstetricians and Gynaecologists of Canada, Montreal, Quebec, Canada, 2010
PEER-REVIEWED PUBLICATIONS

Original Research


ANNUAL REPORT 2009-2010


Mackay HJ, Gallinger S, Tsao MS, McLachlin CM, Tu D, Keiser K, Eisenhauer EA, Oza AM. Prognostic value of microsatellite instability (MSI) and PTEN expression in women with endometrial cancer: Results from studies of the NCIC Clinical Trials Group (NCIC CTG). Eur J Cancer 2010 May;46(8):1365-73. Epub 2010 Mar 19.


Retnakaran R, Qi Y, Connelly PW, **Sermer M**, Hanley AJ, Zinman B. Risk of early progression to pre-diabetes or diabetes in women with recent gestational dysglycemia but normal glucose tolerance at 3-months postpartum. Clin Endocrinol (Oxf) 2010 Jun 9. [Epub ahead of print]


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


Bentov Y, Casper RF. Testosterone-induced downregulation of anti-Müllerian hormone expression in granulosa cells from small bovine follicles. Faculty of 1000 Medicine September 2009, Review.

Bentov Y, Casper RF. The safety of metoclopramide use in the first trimester of pregnancy. Faculty of 1000 Medicine July 2009, Review.


Derzko C. Bioidentical Hormone Therapy (Snell Rounds) Endocrinology Rounds. @ www.endocrinologyrounds.ca, University of Toronto Department of Medicine, Endocrinology Division, St. Michael’s Hospital. 2009;9(5):1-6.


Dodd JM, McLeod A, **Windrim RC, Kingdom J.** Antithrombotic therapy for improving maternal or infant health outcomes in women considered at risk of placental dysfunction. Cochrane Database Syst Rev 2010 Jun 16;6:CD006780.


INVITED LECTURES AND VISITING PROFESSORSHIPS

International

Allen LM. Genital trauma. VI Chilean Congress of Pediatric and Adolescent Gynecology, Santiago, Chile, September 10-12, 2009.

Allen LM. Mullerian anomalies – Surgical cases. VI Chilean Congress of Pediatric and Adolescent Gynecology, Santiago, Chile, September 10-12, 2009.

Allen LM. Ovarian cysts across the ages. VI Chilean Congress of Pediatric and Adolescent Gynecology, Santiago, Chile, September 10-12, 2009.


Barrett JF. The Twin Birth Study: A randomized controlled trial of planned vaginal birth vs. lower segment Caesarean section in twins greater or equal to 32 weeks’ gestation. Centre for Mother, Infant and Child Research—European and Middle Eastern Collaborators’ Meeting, Budapest, Hungary, March 2010.

Barrett JF. The Twin Birth Study: A randomized controlled trial of planned vaginal birth vs. lower segment Caesarean section in twins greater or equal to 32 weeks’ gestation. Centre for Mother, Infant and Child Research—European and Middle Eastern Collaborators’ Meeting, Nottingham, England, UK, March 2010.

Barrett JF. The Twin Birth Study: A randomized controlled trial of planned vaginal birth vs. lower segment Caesarean section in twins greater or equal to 32 weeks’ gestation. Centre for Mother, Infant and Child Research—South American Collaborators’ Meeting, Buenos Aires, April 2010.


Caniggia I. The kiss of death: Molecular characterization of preeclampsia. 3rd SGI Summit, Sendai, Japan, November 12-14, 2009.

Caniggia I. Is good or bad oxygen at the root of placental pathologies? XXII European Congress Perinatal Medicine, Granada, Spain, May 26-29, 2010.

Carvalho J. Ultrasound-facilitated spinals and epidurals in obstetrics. Lecture and workshop. Department of Anesthesia, Wake Forest University, Winston Salem, NC, USA, September 2009.

Carvalho J. What is new in obstetric anaesthesia? Lecture. Department of Anesthesia, University of Sao Paulo, Sao Paulo, Brazil, September 21, 2009.


Carvalho J. Obstetric anaesthesia routines in the developed world. Lecture. XX Jornada Mineira de Anestesiologia, Ouro Preto, Brazil, September 25-27, 2009.


Carvalho J. Ultrasound-assisted spinals and epidurals in obstetrics. Department of Anesthesia, Al Corniche Hospital, Abu Dhabi, United Arab Emirates, November 7, 2009.


Carvalho J. Advances in obstetric anaesthesia. Lecture. 56th Brazilian Congress of Anesthesiology, Salvador, Brazil, November 14-18, 2009.

Carvalho J. Anesthetic considerations for the patient with morbid obesity. Lecture. 56th Brazilian Congress of Anesthesiology, Salvador, Brazil, November 14-18, 2009.

Carvalho J. Intravenous analgesia for labor and delivery. Lecture. 56th Brazilian Congress of Anesthesiology, Salvador, Brazil, November 14-18, 2009.


Carvalho J. Ultrasound-assisted spinals and epidurals in obstetrics. Workshop Instructor, 63rd Post Graduate Assembly, New York, USA, December 11-15 2009.


Casper RF. Luteal phase support for ART. Gyne Leadership Meeting, New Jersey, USA, October 30-31, 2009.

Casper RF. Luteal support for ART. Schering Plough Advisory Meeting, Frankfurt, Germany, December 8, 2009.


Casper RF. New results with mitochondrial nutrients in older women trying to conceive. The Israel Fertility Association Annual Meeting, The Dan Hotel, Tel Aviv, Israel, May 10, 2010.

Casper RF. Preventing circadian rhythm disruption and adverse health effects from night shift work in doctors and nurses. The Israel Fertility Association Annual Meeting, The Dan Hotel, Tel Aviv, Israel, May 11, 2010.


Colgan TJ. The ASCCP’s “Advanced Colposcopy: Case-Based” course. Invited Faculty member. Washington, DC, USA, September 12-13, 2009.


Covens A. Department of Obstetrics and Gynecology, Prince of Wales Hospital, Chinese University of Hong Kong, Hong Kong, China, 2009.


Covens A. Visiting Professorship. Department of Obstetrics and Gynecology, Division of Gynecologic Oncology, Hadassah Medical Center, Jerusalem, Israel, 2009.

Covens A. All women with apparent early stage ovarian cancer should undergo comprehensive surgical staging. Pro. Controversies in gynaecological oncology: The management of early stage ovarian cancer. Queen’s University, Division of Gynecologic Oncology. Belfast, Northern Ireland, 2010.


Covens A. The role of surgery in early ovarian cancer. Controversies in gynaecological oncology: The management of early stage ovarian cancer. Division of Gynecologic Oncology, Queen’s University, Belfast, Northern Ireland, 2010.

Farine D. Active mismanagement of labour. 61st Annual Meeting of the Pacific Northwest Obstetrical and Gynecological Association (PNOGA), Delta Peaks Resort, Kamloops, BC, Canada, August 1-5, 2009.


Farine D. Sex and Pregnancy - Facts and Myths. 61st Annual Meeting of the Pacific Northwest Obstetrical and Gynecological Association (PNOGA), Delta Peaks Resort, Kamloops, BC, Canada, August 1-5, 2009.

Farine D. Assessing progress of labour – New technologies, Chair and Active mismanagement of labour – A review of our poor ability of assessing labour. World Congress of Perinatal Medicine, Berlin, Germany, October 28, 2009.

Farine D. Medico-legal aspects of shoulder dystocia. 22nd European Congress of Perinatal Medicine, Grenada, Spain, May 2010.

Farine D. New approaches to the diagnosis of PROM. 22nd European Congress of Perinatal Medicine, Grenada, Spain, May 2010.

Farine D. PPH – Prevention and management. 22nd European Congress of Perinatal Medicine, Grenada, Spain, May 2010.
Farine D. Progesterone for preterm labour – Which guidelines and papers should we use? 22nd European Congress of Perinatal Medicine, Grenada, Spain, May 2010.

Farine D. Sex in pregnancy and the perineum. 22nd European Congress of Perinatal Medicine, Grenada, Spain, May 2010.

Farine D. What is the optimal C/S rate? 22nd European Congress of Perinatal Medicine, Grenada, Spain, May 2010.


Khalifa MA. An update on lymph node assessment for metastatic cancer. The 14th World Congress on Advances in Oncology and 12th International Symposium on Molecular Medicine lecture, Loutraki, Greece, October 15-17, 2009.


Kung R. Update in the management of OAB. CCMS Provence Conference, River Royale, Rhone River, France, July 26 – August 2, 2009.

Kung R. Update on HRT. CCMS Provence Conference, River Royale, Rhone Rive, France, July 26 – August 2, 2009.

Kung R. Update on oral contraceptives. CCMS Provence Conference, River Royale, Rhone River, France, July 26 – August 2, 2009.

Kung R. Management of common bladder conditions. CCMS China Conference, Dunhuang, Lanzhou, Chengdu, China, September 15 – October 6, 2009.
Kung R. CCMS Amazon Conference, Crystal Symphony, Amazon River, Brazil, November 22 – December 5, 2009.


Lefebvre G. Chair, simulation sessions for international speakers. FIGO Plenary Session, Capetown, South Africa, October 4-9, 2009.

Lefebvre G. Vault prolapse. FIGO Plenary Session, Capetown, South Africa, October 4-9, 2009.


Letarte M. Role of endoglin and ALK1 in the cardiovascular system. 2009-2010 Molecular Medicine Series. Tufts Medical Centre, Boston, Massachusetts, USA, June 8, 2010.

Letarte M. How do mutations in endoglin and ALK1 predispose to vascular malformations? 16th International Vascular Biology Meeting, Los Angeles, California, USA, June 24, 2010.

Lye SJ. Peripheral leukocytes as novel targets for the prevention of preterm birth. University of Texas Health Science Center, San Antonio, Texas, USA, October 2009.

Lye SJ. Inflammatory pathways as targets for the prevention of preterm labour. Department of Obstetrics and Gynecology, University of Texas Southwestern Medical Center, Dallas, Texas, USA, February 2010.


Matthews S. Invited Talk, Department of Neuroscience, Albert Einstein College of Medicine, New York, New York, USA, June 2010.

Murphy KE. Antenatal corticosteroid therapy: The evidence. XIX FIGO World Congress, Capetown, South Africa, October 2009.
**Murphy KE.** Do kick counts count?: A review of fetal movement counting. XIX FIGO World Congress, Capetown, South Africa, October 2009.

**Okun N.** Hypertensive disorders in pregnancy, Grand Rounds, Moi Teaching and Referral Hospital, Eldoret Kenya, July 2009.

**Okun N.** Preterm labour. Grand Rounds, Moi Teaching and Referral Hospital, Eldoret Kenya, July 2009.

**Okun N.** Current approach to the short cervix. The Department of Obstetrics, Gynaecology & Child Health, University of the West Indies, Perinatal Symposium, Kingston, Jamaica, February 14, 2010.

**Okun N.** Prenatal screening for chromosomal abnormalities. The Department of Obstetrics, Gynaecology & Child Health, University of the West Indies, Perinatal Symposium, Kingston, Jamaica, February 14, 2010.


**Pairaudeau N.** 40 years of hysterectomy: C section not such a bad idea. Beijing, China, September 2009.

**Pairaudeau N.** Forceps. Xian Jiang, Hennan Province, China, September 22, 2009.


**Pairaudeau N.** Obstetrical issues in management of 2nd stage. Xian Jiang, Hennan Province, China, September 22, 2009.

**Pittini R.** Simulation training in gynaecology. FIGO, International Scientific Meeting, Cape Town, South Africa, October 6, 2009.


**Rogers I.** Stem Cells USA. Diabetes and Stem Cell Panel (with Tracy Lodie, Genzyme and Mitchel Finer, NovoCell Inc.), Washington DC, USA, November 2009.

**Ryan G.** Fetal urine electrolytes. 2009 Advances in Fetology Conference, Cincinnati Children’s Hospital Medical Center, Cincinnati, Ohio, USA, October 16-17, 2009.

**Ryan G.** Shunts and fetoscopic treatment. 2009 Advances in Fetology Conference, Cincinnati Children’s Hospital Medical Center, Cincinnati, Ohio, USA, October 16-17, 2009.

**Ryan G.** Lecture. NAFTNet, Executive Board and Steering Committee Meeting Chicago Illinois, USA, April 16-17, 2010.

**Ryan G.** Fetal renal function and long term follow-up. Eurofoetus and the 9th World Congress of the Fetal Medicine Foundation, Rhodes, Greece, June 20-24, 2010.


Seaward PGR. Active mismanagement of labour – Why is the new technology necessary? XIX FIGO Conference, Capetown, South Africa, October 4-9, 2009.


Seaward PGR. Diagnosis of fetal anaemia. XIX FIGO Conference, Capetown, South Africa, October 4-9, 2009.

Seaward PGR. New technologies for assessing the progress of labour. Session Chair. XIX FIGO Conference, Capetown, South Africa, October 4-9, 2009.

Seaward PGR. Predicting the onset of pre-eclampsia. XIX FIGO Conference. Capetown, South Africa, October 4-9, 2009.

Sermer M. Heart disease in pregnancy. Invited Presentation, Brown University, Providence, Rhode Island, USA, October 2009.


Sermer M. Heart disease in pregnancy. The National Cardiovascular Institute, Chiba, Japan, January 2010.


Sermer M. Heart disease in pregnancy. National Cardiovascular Institute, Osaka, Japan, January 2010.


Steinberg WM. Abnormal uterine bleeding: Can we stem the tide? OMA Women’s Health Update, Puerto Rico – Aruba, November-December 2009.

Steinberg WM. Contraception: Is “100,000 failures” a year in North America an acceptable outcome? OMA Women’s Health Update, Puerto Rico – Aruba, November-December 2009.


Steinberg WM. What’s hot with hormones? Learning from past mistakes. OMA Women’s Health Update, Puerto Rico – Aruba, November-December 2009.

Stewart DE. Visiting Professor, King Sayd University, Riyadh, Saudi Arabia, 2009-2010.

Stewart DE. The importance of women’s health in the Middle East and North Africa (MENA). King Saud University Health Conference, Riyadh, Saudi Arabia, December 2009.


Stewart DE. Pathways to resilient outcomes. Latin American Congress of Women’s Health, Medellin, Colombia, March 2010.


Ternamian A. Surgical management of ectopic pregnancy. Invited Speaker. XIX FIGO World Congress of Gynecology and Obstetrics, Cape Town, South Africa, October 4-9, 2009.


Ternamian A. Hands on tutorials. Faculty, Suturing and Surgical Skills Centre. 18th International Congress of the European Association for Endoscopic Surgery, Geneva, Switzerland, June 16-19, 2010.


Toi A. Fetal CNS – it’s not just ventriculomegaly. WFUMB. Sydney, Australia. August 2009.

Toi A. Fetal CNS through gestation. WFUMB. Sydney, Australia. August 2009.

Toi A. Fetal spine – the forgotten CNS. WFUMB. Sydney, Australia. August 2009.


Toi A. First trimester scan: Current practice. AIUM, San Diego, California, USA, March 2010.


Wolfman W. Mini-sabbatical visiting professorship, Monash University, Melbourne, Australia, Worked with Dr. S. Davis, Women’s Health in Testosterone and Hypoactive Sexual Dysfunction Disorder, January-February 2010.

Wolfman W. Asymptomatic endometrial thickening. Royal Women’s Hospital, Melbourne, Australia, February 2010.
National

Adamson SL. Using mice as models for obstetrics research: Role of eNOS in placental vascularity and pregnancy complications? Department of Anatomy and Cell Biology, Kingston General Hospital, Queen’s University, Kingston, Ontario, October 22, 2009.

Adamson SL. Using mice to address an obstetrical question: Can nitric oxide deficiency cause pregnancy complications? Department of Obstetrics and Gynecology, Kingston General Hospital, Queen’s University, Kingston, Ontario, October 22, 2009.

Adamson SL. Successes and challenges of ENU-mutagenesis at the Centre for Modeling Human Disease. 2010 Montreal Symposium on Genetics and Infectious Diseases, McGill University, Montreal, Quebec, May 17, 2010.


Carvalho J. Ultrasound-assisted spinals and epidurals in obstetrics. 51st Annual McGill Anesthesia Update, Montreal, Quebec, May 21-23, 2010.

ANNUAL REPORT 2009-2010


Casper R. A PotPourri of Research. CFAS Meeting, Montreal, Quebec, Canada, November 18-21, 2009.

Casper R. Endometriosis planning meeting. Montreal, Quebec, Canada, May 1, 2010.


Covens A. Cost of equipment and the Canadian perspective. Total Laparoscopic Hysterectomy Course. Covidien, St. John’s, Newfoundland, 2010.

Derzko C. Menopause & the critical therapeutic window. Obstetrics & Gynecology Grand Rounds, University of Manitoba, Health Sciences Centre, Winnipeg, Manitoba, April 14, 2010.


Derzko C. Bioidentical Hormone Therapy. Obstetrics & Gynecology Grand Rounds, University of Calgary, Health Sciences Centre/Foothills Hospital, Calgary, Alberta, April 30, 2010.

Greenblatt E. Fertility preservation for cancer patients. ART Lab SIG CFAS Annual Meeting, Montreal, Quebec, November 20, 2009.


Kingdom J. Placental insufficiency: Screening and diagnosis. 66th Annual Clinical Meeting, Society of Obstetricians and Gynaecologists of Canada (SOGC), Montreal, Quebec, Canada, June 2010.


Lausman A. Fetal growth restriction. SOGC ACM, PG course, Montreal, Quebec, June 3, 2010.

Lausman A. Fetal growth standards. SOGC ACM, Canadian Society of MFM, Montreal, Quebec, June 3, 2010.

Lausman A. Adnexal mass is pregnancy. Best Practice Session. SOGC ACM, Montreal, Quebec, June 5, 2010.


Lefebvre G. Adnexal mass in pregnancy – Best practice. 66th Annual Clinical Meeting, SOGC, Montreal, Quebec, June 2-6, 2010.

Lefebvre G. Robotically-assisted laparoscopic myomectomy: Canadian experience. Montreal, Quebec, Canada, June 2-6, 2010.


Matthews S. Invited Seminar, 5th Annual Summer NIH/CIHR Institutes Maternal-Fetal, Pharmacology, Reproductive and Perinatal Epidemiology, St-David, Québec, July 2009.


Murphy KE. What not to eat in pregnancy: Listeria and toxoplasmosis. Medical Disorders in Pregnancy Conference, Mount Sinai Hospital, Toronto, Ontario, November 2009.
Murphy KE. Meta-analysis of alcohol, cocaine, meta-amphetamines and marijuana use in pregnancy and adverse perinatal outcomes. As a member of the Knowledge Synthesis Group on determinants of LBW/Preterm births. 18th Western Perinatal Research Meeting, Banff, Alberta, February 2010.


Ryan G. Multiple pregnancies: Management and delivery. 66th Annual Clinical Meeting SOGC, Montreal, Quebec, June 3-6, 2010.


Spitzer RF. Global reproductive health. University of Toronto, Faculty of Medicine, Global Health Longitudinal Elective, Toronto, Ontario, April 5, 2010.

Spitzer RF. Global reproductive health. University of Toronto, Faculty of Medicine, Ob/Gyn Interest Group Luncheon, Toronto, Ontario, April 13, 2010.
Spitzer RF. Global reproductive health. Global Health Foundations Course of the Peter A. Silverman Centre for International Health, Mount Sinai Hospital and the Dalla Lana School of Public Health, University of Toronto, Toronto, Ontario, May 6, 2010.


Toi A. Fetal ultrasound. Paediatric cardiology rounds with Telemedicine through Ontario, Toronto, Ontario, April 15, 2010.

Toi A. The 18 week scan: Live demonstration. 73rd Annual Meeting of the CAR, Montreal, Quebec, April 22-25, 2010.

Weisberg F. Gynecology Update. Saturday at the University, University of Toronto, Toronto, Ontario, February 2010.


Weksberg R. Epigenetics and Neurodevelopmental Syndromes. Invited Speaker. Epigenetics of Brain Development Conference, Montreal, Quebec, March 2010.

Weksberg R. Consultation Workshop on Epigenetics, Environment and Health (EEH), Canadian Institute of Health Research, Niagara-on-the-Lake, Ontario, April 2010.


**Wolfman W.** Testosterone therapy and sexuality. 6th Ontario CME Program Plenary Session, Toronto, Ontario, April 15, 2010.

**Wolfman W.** Perimenopause and Gynaecology – The role of testosterone in libido dysfunction. SOGC, Montreal, Quebec, June 2010.


Local

**Adamson SL.** Using mice as models for studying CV function, and dysfunction, in pregnancy. Cardiovascular Science Collaborative Program Students’ Association (CSCPSA), Circulation Rounds, Toronto, Ontario, November 26, 2009.

**Adamson SL.** Using mice to model and understand pathological human pregnancy. 2010 Anne and Max Tanenbaum Symposium in Molecular Medicine, University of Toronto, Toronto, Ontario, June 14, 2010.


**Alarab M.** Menopause and urogenital aging. Resident Teaching Seminars. Mount Sinai Hospital, Toronto, Ontario, December 10, 2009.

**Alarab M.** Obstetric Anal Sphincter Injuries (OASIS). Urogynaecology Division, Mount Sinai Hospital, Toronto, Ontario, January 20, 2010.


**Berger H.** Help, my serology is positive! Grand Rounds, St. Michael’s Hospital, Toronto, Ontario, October 23, 2009.


Bernstein P. Cesarean Section on Demand, CME Day, Mount Sinai Hospital, Toronto, Ontario, November 2009.


Casper R. Effect of maternal Age on "The Barker Hypothesis". Grand Rounds, St. Michael’s Hospital, May 28, 2010.


Carvalho J. Ultrasound-assisted spinals and epidurals in obstetrics. Workshop Instructor. 2009 Obstetric Anesthesia Conference and Workshop, Mount Sinai Hospital, Toronto, October 23-24, 2009.


Carvalho J. Ultrasound-assisted epidurals and spinals in obstetrical and other patients. Professor’s Rounds, University of Toronto, Toronto, Ontario, May 31, 2010.

Carvalho J. Epidural anaesthesia. Lectures and Workshop. Director, Epidural Anesthesia Day. Presented to the 1st year Residents at the Department of Anesthesia, University of Toronto, Toronto, Ontario, June 1, 2010.


Drutz HP. Drugs to treat OAB. 6th Annual Mature Women’s Health Care, Mount Sinai Hospital, Isabel Bader Theatre, Victoria College, University of Toronto, Toronto, Ontario, April 23, 2010.


Freire-Lizama T. Cases of the day. Medical Complications of Pregnancy Conference, Mount Sinai Hospital, Toronto, Ontario, November 7, 2009.

Freire-Lizama T. To anticoagulate or not? Grand Rounds, St. Joseph’s Hospital, Department of Obstetrics and Gynaecology, Toronto, Ontario, January 8, 2010.


Greenblatt E. Fertility and Pregnancy: How late is too late. Genesis Research Foundation Public Lecture Series, Medical Sciences Building, University of Toronto, Toronto, Ontario, May 12, 2010.

Greenblatt E. Fertility and Pregnancy: How late is too late. Genesis Research Foundation Public Lecture Series, Mississauga Campus, University of Toronto, Toronto, Ontario, May 18, 2010.


Jurisicova A. Effects of toxicants on the ovary. 2010 Anne and Max Tanenbaum Symposium in Molecular Medicine, University of Toronto, Toronto, Ontario, June 14, 2010.

Keating S. What is an Urgent Placenta? Lecture to Mount Sinai Hospital laboratory technologists, Toronto, Ontario, April 2010.

Keunen J. Severe preeclampsia. Critical Care Symposium, Mount Sinai Hospital, Toronto, Ontario, November 2009.


Keunen J. Vitamin D and pregnancy. Senior Resident Seminar, Women’s College Hospital, Toronto, Ontario, November 2009.


Kingdom J. Percreta. Caesarean Section Update. University of Toronto, Mount Sinai Hospital, Toronto, Ontario, November 2009.


Lausman AY. IBD. Medical Complications of Pregnancy, University of Toronto, Toronto, Ontario, November 7, 2009.


Meffe F. IPE/C in Maternity Care. COUPN, College of Ontario University Programs in Nursing, Toronto, Ontario, April 13, 2010.

Murphy KE. Double Trouble: Management of multiple gestations. Lecture for Genetic Counselling Students, Hospital for Sick Children, Toronto, Ontario, October 2009.

Murphy KE. Multiple courses of antenatal corticosteroids for preterm birth study, MACS. University of Toronto, City Wide Department of Endocrinology Grand Rounds presentation, Toronto, Ontario, January 2010.


Okun N. The Canadian health care system and health policy. Invited expert panelist for HAD 5010 course, Department of Health Policy, Management and Evaluation, University of Toronto, Toronto, Ontario, October 2009.


**Rogers IM.** Multi-Potential Stem Cells (MPSC) from umbilical cord blood and their use in cellular therapy. Maternal-Fetal Medicine Fellowship Teaching Rounds, Mount Sinai Hospital, Toronto, Ontario, November 2009.


**Rogers IM.** Characteristics of iPSC and ES cells. Diabetes Support Group, Mississauga Trillium Hospital, Teaching Rounds, Stem cell therapy for Diabetes, Toronto, Ontario, April 27, 2010.

**Rosen B.** HPV screening: The Kenyan experience. The 2nd Annual Oncology Nursing Education Day Sex, Drugs & HPV: Dispelling the Myths and Highlighting the Issues, Toronto, Ontario, June 18, 2010.

**Ryan G.** Twin to Twin Transfusion: Rx and outcome. Queen’s University, Department of Obstetrics & Gynaecology Annual CME, Kingston, Ontario, October 29-30, 2009.


**Ryan G.** Fetal therapy in urogenital anomalies. 18th Annual Symposium, New Developments in Prenatal Diagnosis and Medical Genetics. Mount Sinai Hospital and The Hospital for Sick Children, Toronto, Ontario, May 19, 2010.

**Sermer M.** Update on Women’s & Infants COE H1N1 FLU planning. Grand Rounds, Mount Sinai Hospital, Toronto, Ontario, September 2009.

**Sermer M.** Pregnancy and a broken heart. Medical Disorders of Pregnancy Rounds, Mount Sinai Hospital, Toronto, Ontario, November 2009.

**Sermer M.** Pregnancy and a broken heart: The Mount Sinai experience. Medical Disorders in Pregnancy Rounds, Mount Sinai Hospital, Toronto, Ontario, December 2009.
Sermer M. Pregnancy in CHD – Be proactive and not reactive: The Obstetrician’s view. Swiss Cardiologists Visit Program – Congenital Heart Disease: Life-long Specialized Care for a Chronic Disease, Toronto, Ontario, December 2009.


Sermer M. Heart disease and pregnancy. Senior Resident Teaching, Women’s College Hospital, Toronto, Ontario, April 2010.


Steinberg WM. Pendulum swings in hormone therapy. Grand Rounds, Trillium Hospital, September 17, 2009.

Steinberg WM. Improving efficacy in contraception. Vodden Medical Centre Rounds, Brampton, Ontario, September 24, 2009.


Steinberg WM. AUB. Half day seminar and hands-on laboratory. Family Medicine Resident Program. Credit Valley Hospital, Mississauga, Ontario, October 2009.


Steinberg WM. From the young to the young at heart. Family Practice Rounds, Brampton, Ontario, February 8, 2010.


Steinberg WM. Menstrual suppression: The changing landscape. Taunton Medical Clinic, Oshawa, Ontario, April 15, 2010.


Steinberg WM. The expanding use of intrauterine contraception. Family Practice Rounds, Oakville Trafalgar Memorial Hospital, Oakville, Ontario, May 4, 2010.


Thomas J. The recent controversy surrounding natural childbirth vs planned C-sections. Lunch and Learn, Mount Sinai Hospital, Toronto, Ontario, July 14, 2009.


Toi A. The role of ultrasound when the serum screen is abnormal. 13th Annual Women’s Imaging: Advances in Gynaecologic Imaging and First Trimester Ultrasound. University of Toronto CME, Toronto, Ontario, February 26, 2010.


Whittle W. The next pregnancy. Mount Sinai Hospital NICU Parents Group, Toronto, Ontario, October 2009.

Windrim R. Caesarean Section Update (Session 1). The difficult C-Section. University of Toronto, Mount Sinai Hospital, Toronto, Ontario, November 6, 2009.

Windrim R. Caesarean Section Update (Session 2). Caesarean Section: Issues and Controversies. University of Toronto, Mount Sinai Hospital, Toronto, Ontario, November 6, 2009.


Windrim R. Eight is enough. There should be limits to assisted reproduction. Debate. 13th Annual Women’s Imaging: Advances in Gynaecologic Imaging and First Trimester Ultrasound, University of Toronto Department of Medical Imaging & Obstetrics and Gynaecology. Toronto, Ontario, February 26-28, 2010.


Yudin M. H1N1 Infection in Pregnancy. University of Toronto, Department of Obstetrics and Gynaecology Resident Teaching Lecture Series, Toronto, Ontario, December 1, 2009.

ORAL AND POSTER PRESENTATIONS

National and International Meetings


Ardelean D, Jerkic M, Peter M, Letarte M. Mouse models of hereditary hemorrhagic telangiectasia show increased systemic vascular permeability. 16th International Vascular Biology Meeting, Los Angeles, California, USA, June 20-24, 2010.


Baratz A. A day at the CReATe Fertility Centre: A multi-disciplinary approach to undergraduate medical education in Reproductive Endocrinology & Infertility. Canadian Fertility and Andrology Society Annual Meeting, Montreal, Quebec, Canada, November, 2009.

Baratz A. Post-Patient Encounter Reflection Tool: In the moment reflection to enhance integration of the CanMEDS roles into the clinical setting. Association of Medical Education of Europe, Malaga, Spain, September 1-3, 2009.


**Bernardini M, Gien L, Murphy J, Rosen B.** Surgical management of the morbidly obese patient using the Da Vinci Robotic Surgical System. GOC Annual General Meeting, Sheraton Hotel, Montreal, Quebec, Canada, June 2010.


Burstein E, Perumalsamy A, Bentov Y, Esfandiari N, Jurisicova A, Casper RF. Co-enzyme Q10 supplementation improves ovarian response in aged mice. CFAS 55th Annual Meeting, Montreal, Quebec, Canada, November 2009.


**Caccia N.** Interprofessional education to promote collaborative care with midwifery. SOGC Annual Meeting, Midwifery Section, Montreal, Quebec, Canada, June 2010.

**Caccia N.** Development of a web-based post-graduate medical education course in the fundamentals of pediatric & adolescent gynecology for Canadian trainees in Obstetrics & Gynaecology. SOGC Annual Meeting, CANPAGO section, Montreal, Quebec, Canada, June 2010.

**Caccia N.** APOG interest group in interprofessional education in maternity care. SOGC Annual Meeting, Montreal, Quebec, Canada, June 2-6, 2010.


**Carvalho JCA, Nair G, Downey K, Balki M.** Prophylactic dimenhydrinate does not reduce nausea and vomiting during caesarean section delivery under spinal anesthesia: a randomized, double-blind, placebo-controlled trial. 42nd Annual Meeting of the Society for Obstetric Anesthesia and Perinatology, San Antonio, Texas, USA, May 12-16, 2010.


Chun LA, Knight BS, Pennell CE, Matthews SG, Adamson SL, Lye SJ. The impact of omega-3 fatty acid supplementation on C57BL/6J male mice subjected to antenatal diet restriction. DOHAD World Congress, Santiago, Chile, November 2009.

Claessens EA, Blanco Mejia S, Maroleanu M, Ryan EAJ. A novel method to improve the success rate of IVF/ICSI in older women with diminished ovarian reserve using dehydroepiandrosterone (DHEA) supplementation. CFAS, Montreal, Quebec, Canada, November 18-21, 2009.

Claessens EA, Blanco Mejia S, Maroleanu M, Ryan EAJ. The role of androgen supplementation in ovulation induction in older women. ISGE, 14th World Congress of Gynecological Endocrinology, Florence, Italy, March 4-7, 2010.

Classen CC, Chivers M, Urowitz S, Barbera L, Wiljer D, Ferguson SE. The development and pilot testing of a web-based support group for women with sexual problems due to gynaecologic cancer. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto, Toronto, Ontario, Canada, May 2010.

Classen CC, Chivers M, Urowitz S, Barbera L, Wiljer D, Ferguson SE. The development and pilot testing of a web-based support group for women with sexual problems due to gynaecologic cancer. 12th World Congress of Psycho-Oncology (IPOS), Montreal, Quebec, Canada, June 2010.


Dalvi PS, Purser MJ, Belsham DD. The effect of exendin-4 on appetite-regulating neuropeptides in mouse hypothalamic neurons. 92nd Annual Meeting of the Endocrine Society, San Diego, California, USA, June 2010.


Derzko CM, Shapiro M, Jolly E, Yuen CK, Kendler D. Familiarity among Canadian physicians with the WHI Study and with evidence-based guidelines for managing menopause symptoms. SOGC/AGM, Montreal, Quebec, Canada, June 2-6, 2010.

Dhillon SS, Centeno ML, Kim GL, Belsham DD. Leptin-induced cellular leptin resistance: AMPK and PI3K signaling are required for the anorectic action of leptin in a novel, murine, NPY-GFP hypothalamic cell model. 92nd Annual Meeting of the Endocrine Society, San Diego, California, USA, June 2010.

Dhillon SS, Shakir AS, Belsham DD. SV40 transformation in muscle, pancreatic and hypothalamic cell lines results in changes of basal cellular gene expression and the phosphorylational status of key signaling kinases. 92nd Annual Meeting of the Endocrine Society, San Diego, California, USA, June 2010.


Dunnigan S, Simpson A, Murphy KJ. The management of immunocompromised women with abnormal cervical cytology referred to a tertiary care colposcopy center: A retrospective analysis. SOGC Annual Meeting, Montreal, Quebec, Canada, June 2010.


Fainaru O, Amsalem H, **Esfandiari N**, Bentov Y, **Casper RF**. The presence of pro-angiogenic natural killer cells in follicular fluid of patients undergoing in vitro fertilization is associated with increased ovarian response to gonadotropins. Oral. CFAS 55th Annual Meeting, Ottawa, Ontario, Canada, November 2009.


**Frasca E**, Toi A, Chitayat D, Farine D, Chong K, **Fong K**, **Nevo O**. Transvaginal early ultrasound at 13-15 weeks is highly effective in detection of fetal anomalies. SOGC, Montreal, Quebec, Canada, June 2010.


**Gien L**. Morbid obesity. GOC/SOGC, Montreal, Quebec, Canada, June 5, 2010.


Iqbal M, Shikarpuri N, Kostaki A, Matthews SG. Transgenerational effects of prenatal synthetic glucocorticoid exposure on molecular regulation of the pituitary gland. DOHAD World Congress, Santiago, Chile, November 2009.


Jerkic M, Peter M, Ardelean D, Letarte M. Endoglin heterozygous mice develop chronic colitis associated with dysregulated angiogenesis. Canadian Society for Immunology, Niagara Falls, Ontario, Canada, April 23 – 26, 2010.

Jumah N, Rosen B. Moving beyond primary screening for cervical cancer in low-resource settings. GOC 31st Annual General Meeting, Montreal, Quebec, Canada, June 4-6, 2010.


Kavsa PA, MacRae AR, Toi A, Davies GD, Chodirker BN, Minett J, Palomaki GE, Knight GE, Chitayat D, Van Caeseele PG. Factors affecting screen completion in two forms of integrated prenatal screening for Down Syndrome in the SAFER Study. Canadian Society of Clinical Chemists Annual Meeting, Saskatoon, Saskatchewan, Canada, June 2010.


Kroft J, Moody J, Lee P. Hysterectomy: The Canadian experience. SOGC meeting, Montreal, Quebec, Canada, June 2010.


Kupets R. Patterns of care of high grade cervical dysplasia. GOC AGM, Montreal, Quebec, Canada, June 2010.

Kupets R. Physician and patient characteristics associated with follow-up of high grade cervical dysplasia. ASCO meeting, Chicago, Illinois, USA, June 2010.


Leslie K, Egan-Lee E, Pittini R, Schreiber M, Dionne A, Baker L, Reeves S. Utilizing teaching evaluations to promote faculty development in teaching. Education Achievement Event, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada, May 13, 2010.


Margarido C, Mikhal R, Arzola C, Balki M, **Carvalho JCA**. Ultrasound determination of the level at which the intercrestal line intersects the spine in term pregnant women. 42nd Annual Meeting of the Society for Obstetric Anesthesia and Perinatology, San Antonio, Texas, USA, May 12-16, 2010.


**Meffe F**, Espin S, Moravac C, Sharpe M. Evaluating the impact of a Maternity Care IPE program on Undergraduate Students: A qualitative analysis. APOG, Toronto, Ontario, December 5, 2009.


Nazemian Z, Esfandiari N, Casper RF. In vitro effects of Co-enzyme Q10 on embryo development in infertile patients. IMS research day, Institute of Medical Science, University of Toronto, Toronto, Ontario, Canada May 5, 2010.


Pairaudeau N. Giving a lecture in China. COGI meeting, Beijing, China, November 2009.


Rennie MY, Whiteley KJ, Watson CS, Han VKM, Adamson SL, Sled JG. Reduced vascularity of the fetoplacental arterial tree in transgenic mice with fetal hepatic overexpression of hIGFBP-1. IFPA Meeting 2009, Adelaide, South Australia, October 6-9, 2009.


Rosen B, Mabeya H, Omenge O, Caloia D, Cu-Uvin S. Developing a cervical cancer prevention program in a low resource country. GOC 31st Annual General Meeting, Montreal, Quebec, Canada, June 4-6, 2010.


Ryan EAJ, Blanco Mejia S, Maroleanu M, Claessens EA. A re-evaluation of the efficacy of COH-IUI in older women with diminished ovarian reserve supplemented with dehydroepiandrosterone (DHEA). CFAS, Montreal, Quebec, Canada, November 18-21, 2009.
Ryan G. Fetal pleuroamniotic shunting for macrocystic lung lesions. 31st Annual Meeting SMFM, Hilton Chicago, Chicago, IL February 1-6, 2010.


Shapiro M, **Derzko CM**, Jolly E, Yuen CK, Kendler D. Awareness of Canadian Family Physicians of WHI Study Results and with SOGC & NAMS Guidelines for Menopause Management. Walter Rosser Day, Department of Family and Community Medicine, University of Toronto, Toronto, Ontario, Canada, April 23,2010.

**Sharma PA.** Effect of very high serum estradiol levels on implantation in high-responders undergoing in-vitro fertilization (IVF). ASRM Conference, Atlanta, Georgia, USA, October 17-21, 2009.


Shore E, **Yudin MH.** Prevalence and characteristics of Group B Streptococcus positive pregnant women in an inner city tertiary care center. Society of Obstetricians and Gynaecologists of Canada (SOGC) 66th Annual Meeting, Montreal, Quebec, Canada, June 2-6, 2010.


Simpson A, Le L, **Murphy KJ.** Trajectory of care of women referred to a tertiary health care centre with atypical squamous cells of undetermined significance (ASCUS) or low-grade squamous intraepithelial lesions (LSIL) on cervical cytology: A cross-sectional analysis. SOGC Annual Meeting, Montreal, Quebec, Canada, June 2010.


Sivasubramaniyam T, Caniggia I. TGF signaling via Par6 regulates trophoblast cell polarity. IFPA, Adelaide, Australia, October 6-9, 2009.


Sterling L, Nyangena J, van Lonkhuijzen D, Orango D, Rosen B. Selecting the optimal treatment for ovarian cancer in Sub-Saharan Africa: A joint project between the University of Toronto and Moi University in Eldoret, Kenya. GOC 31st Annual General Meeting, Montreal, Quebec, Canada, June 4-6, 2010.


Yudin MH, Estanbul F. Characteristics of women requiring hospital admission for treatment of pelvic inflammatory disease (PID) at an inner city hospital. Infectious Diseases Society for Obstetrics and Gynecology (IDSOG), Annual Scientific Meeting, Montreal, Quebec, Canada, August 6-8, 2009.
27th Annual
RESEARCH DAY

FRIDAY, MAY 7, 2010
8:00 a.m. – 6:30 p.m.
Northrop Frye Hall, Ground Floor
Victoria University, 73 Queen’s Park Cres East
University of Toronto

HENDERSON LECTURE: 4:15 p.m. – 5:15 p.m.
“Being born too soon – do obstetricians have anything to offer?”
Dr. Jane Norman
Professor of Maternal and Fetal Health, University of Edinburgh, UK
Co-Director, Edinburgh Tommy’s Centre for Maternal and Fetal Health Research

WINE & CHEESE RECEPTION: 5:25 – 6:30 P.M.
Research Day, May 7, 2010

The Department of Obstetrics & Gynaecology 27th Annual Research Day took place Friday, May 7, 2010. There were 15 oral and 61 poster presentations by trainees from the Department, covering a range of excellent research, both basic and clinical. We also heard an excellent Henderson Lecture, delivered by Dr. Jane Norman, University of Edinburgh, UK, on the topic of “Being born too soon – do obstetricians have anything to offer?”

Oral Presentations

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

**O1 EFFECT OF REDUCED PLACENTAL EXPRESSION OF GLIAL CELL MISSING-1 ON PREGNANCY OUTCOME.**
Shannon A Bainbridge[PD](1), Kathie J Whiteley (1), Dawei Qu (1), John CP Kingdom (1,2) and S Lee Adamson (1,2,3).
(1) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (2) Department of Obstetrics & Gynaecology, Mount Sinai Hospital, (2) Department of Physiology, University of Toronto.

**O2 CORTICOSTEROIDS INCREASE P-GLYCOPROTEIN FUNCTION IN PRIMARY GUINEA PIG BRAIN ENDOTHELIAL CELLS**
Majid Iqbal[G](1), William Gibb(4), Stephen G Matthews(1,2,3 (1)
Departments of (1)Physiology, (2)Obstetrics and Gynaecology and (3)Medicine, Faculty of Medicine, University of Toronto, Medical, Ontario, Canada. Department of Obstetrics and
O3 THE “DUC” TRIAL: A PILOT RANDOMIZED CONTROLLED TRIAL OF IMMEDIATE VS. DELAYED CORD CLAMPING IN PRETERM INFANTS BORN BETWEEN 24 AND 32 WEEKS’ GESTATION
Kelly S Chu [R](1), Kellie E Murphy(1,3), Wendy L Whittle(1,3), Rory Windrim(1,3), Prakash Shah(2,4)
University of Toronto, Department of Obstetrics/Gynaecology (1), University of Toronto, Department of Paediatrics (2), Department of Maternal-Fetal Medicine, Mount Sinai Hospital (3), Department of Paediatrics, Mount Sinai Hospital (4).

O4 EXPRESSION OF ENZYMES REGULATING EXTRACELLULAR MATRIX BIOGENESIS IN VAGINAL TISSUE OF WOMEN WITH AND WITHOUT PELVIC ORGAN PROLAPSE
Maria Bortolini [F](1,4), Oksana Shynlova (1), Nadiya Oleksiv(1), Harold Drutz, (2,4), Stephen Lye (1,2,3), May Alarab (1,4)
(1)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (2)Ob/Gyn; (3)Physiology and (4)Urogynaecology, Mount Sinai Hospital, University of Toronto.

O5 DAB2 ENHANCES GLUCOCORTICOID RECEPTOR-MEDIATED ANTI-INFLAMMATORY SIGNALLING IN ES2 OVARIAN CANCER CELLS
Alicia Tone [PDJ] (1-3), Carl Virtanen (5), Patricia Shaw (2-4) and Theodore J Brown (1,3).
(1)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Departments of (2)Laboratory Medicine & Pathobiology, and (3)Obstetrics and Gynecology, University of Toronto, and (4)Department of Pathology, and the (5)Microarray Centre, University Health Network.

O6 VALIDATION OF THE MODIFIED SEXUAL ADJUSTMENT AND BODY IMAGE SCALE IN WOMEN WITH A DIAGNOSIS OF GYNAECOLOGIC CANCER (SABIS-G)
Marie Wegener[M](1), Sara Urowitz (2), Catherine Classen(3), David Wiljer(4), Christine Massey(5), Sarah E. Ferguson(1).
(1)Department of Gynaecologic Oncology, Princess Margaret Hospital, (2)Department of Psychiatry, Princess Margaret Hospital, (3)Women’s College Research Institute, Women’s College Hospital, (4)Department of Radiation Oncology, Princess Margaret Hospital, (5)Department of Biostatistics, Princess Margaret Hospital.

O7 MCL-1/MTD RHEOSTAT DETERMINES AUTOPHAGY IN PLACENTAL DEVELOPMENT AND DISEASE
Manpreet Kalkat[G](2,3), Julia Garcia(3), Tulia Todros(4) and Isabella Caniggia(1,2,3)
(1)Department of Obstetrics and Gynaecology, (2)Department of Physiology, University of Toronto, (3)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (4)Department of Obstetrics/Gynaecology, University of Turin, Italy.

O8 DREAM-MEDIATED REGULATION OF GCM1 IN THE HUMAN PLACENTAL TROPHOBLAST
Dora Baczyk [O](1), Khrystyna Levytska (1), Sascha Drewlo (1), Steve Lye (1) and John Kingdom (1,2).
(1) Research Centre of Women’s and Infants’ Health at the Samuel Lunenfeld Research Institute of Mount Sinai Hospital, University of Toronto, (2) Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital
O9 CHARACTERISTICS AND MANAGEMENT OF ADNEXAL MASSES IN A CANADIAN PAEDIATRIC AND ADOLESCENT POPULATION
Yolanda Kirkham [R](1), Judith A Lacy (2), Sari Kives (3), Lisa Allen (3)
(1) Department of Obstetrics & Gynaecology, University of Toronto, (2) Overlake Hospital Medical Center, Bellevue, Washington, USA, (3) Section of Paediatric Gynecology, Hospital for Sick Children, University of Toronto

O10 LOW MALIGNANT POTENTIAL TUMOUR REPRODUCTIVE RISK FACTOR ANALYSIS FROM THE FOTS: A MATCHED CASE-CONTROL ANALYSIS
Jacob McGee[F](1), Ping Sun (2), Isabel Fan(3), Joel Moody(3), John McLaughlin (3), Steven Narod (2)
1)Princess Margaret Hospital, 2)Women’s College Research Institute, 3)Samuel Lunenfeld Research Institute

O11 OBSTETRIC MANAGEMENT OF WOMEN WITH HEART DISEASE
Julie Robertson [F](1), Candice Silversides (2), May Ling Mah (2) Mathew Sermer (1)
(1)Division of Maternal Fetal Medicine, Mount Sinai Hospital, University of Toronto, (2) Department of Cardiology, Toronto General Hospital, University of Toronto

O12 SIGNIFICANCE OF ABNORMAL SONOGRAPHIC FINDINGS IN POSTMENOPAUSAL WOMEN WITH AND WITHOUT BLEEDING
Rebecca Menzies [M](1), Sarah Wallace (1), Marguerite Ennis (2), Alison Bennett (3), Michelle Jacobson (4), Gina Yip (3), Wendy Wolfman (1)

O13 ROBOTICALLY-ASSISTED LAPAROSCOPIC MYOMECTOMY: A CANADIAN EXPERIENCE
Fady W Mansour [F]. Guylaine Lefebvre, and Sari Kives
Department of Gynecology, St-Michael’s Hospital, University of Toronto

O14 PERIPHERAL LEUKOCYTES AS NOVEL TARGETS FOR THE PREVENTION OF PRETERM LABOUR
Tamara Nedd-Roderique[G](1,2), Oksana Shynlova(1), Anna Dorogin(1) and Stephen Lye(1,2,3) (1) Samuel Lunenfeld Research Institute, Mount Sinai Hospital; (2) Physiology, University of Toronto and (3) Obstetrics & Gynaecology, University of Toronto.

O15 PARACRINE ACTIONS OF IMMUNE AND TROPHOBLAST CELLS IN CYTOKINE PRODUCTION WITH LPS AND PROBIOTIC LACTOBACILLI IN HUMAN PLACENTA
Maryam Yeganegi [PD](1,3), Chiashan G Leung(1), Andrew Martins(2), Sung Kim(2), Gregor Reid(2), John RG Challis(1) and Alan D Bocking(1,3).
(1)Department of Physiology & Obstetrics & Gynaecology, University of Toronto, (2)Department of Microbiology & Immunology, University of Western Ontario, (3)Samuel Lunenfeld Research Institute, Mount Sinai Hospital.
Poster Presentations

P-A1  INVESTIGATING BIOMARKERS FOR THE EARLY DETECTION OF OVARIAN CANCER  
Joshua Durbin [G](1,4), Guo Xiong Xu (1), Despina Voulgaraki (1), Thomas Kislinger (4),  
Theodore Brown (2,3), Michelle Letarte (1,3,4)(1)Molecular Structure and Function, Hospital  
for Sick Children, Toronto, ON, Canada, (2)Department of Physiology, University of Toronto,  
Toronto, ON, Canada, (3)Department of Obstetrics and Gynecology, University of Toronto,  
Toronto, ON, Canada, (4)Department of Medical Biophysics, University of Toronto, Toronto,  
ON, Canada

P-A2   THE OVARIAN MICROENVIRONMENT OVERCOMES THE ANTI-TUMOUR EFFECT OF SPARC ON OVARIAN CANCER PROGRESSION  
James Greenaway[PD](1), Anne Koehler(2), Chris McCulloch(2), Jim Petrik(3), Maurice  
Ringette(4) and Theodore Brown(1),  
(1)Department of Obstetrics & Gynecology, University of Toronto and Samuel Lunenfeld  
Research Institute, Toronto, (2)Matrix Dynamics, Faculty of Dentistry, University of Toronto,  
(3)Dept of Biomedical Sciences, University of Guelph, (4)Dept of Cell and Systems Biology,  
University of Toronto

P-A3  FEMALE ONCOLOGY PATIENTS AND FERTILITY PRESERVATION: ONE FERTILITY CENTRE'S EXPERIENCE  
Kaajal Abrol[R](1), Madeline Tonelli(2), Samantha Yee(2), Catherine Dwyer(2), Kimberly  
Liu(1,2).  
(1)Department of Obstetrics and Gynecology, University of Toronto.  
(2)Reproductive Biology Unit, Mount Sinai Hospital, Toronto.

P-A4   RISK OF MALIGNANCY INDEX: HOW FEASIBLE IS IT TO CALCULATE THE SCORE?  
Hannah Chiu [M] (1), Jason Dodge (2)  
(1) Faculty of Medicine, University of Toronto (2) Department of Gynecologic-oncology,  
Princess Margaret Hospital, University Health Network

P-A5   PREVALENCE OF BRCA1 AND BRCA2 GERM LINE MUTATIONS AMONG WOMEN WITH CARCINOMA OF THE FALLOPIAN TUBE  
Danielle Vicus [F](1,3), Amy Finch(1), Ilana Cass(2), Barry Rosen(3), Joan Murphy(3), Isabel  
Fan(4), Robert Royer(1), John McLaughlin(4,5), Beth Karlan(2), Steven A. Narod(1)  
(1)Women’s College Research Institute, (2)Cedars Sinai Medical Centre, Los Angeles,  
California, USA (3)Department of Gynecology Oncology, University Health Network, University  
of Toronto(4)Samuel Lunenfeld Research Institute,  
(5)Cancer Care Ontario, Toronto.

P-A6   VEPH1 IS A NOVEL REGULATOR OF TGF-ß SIGNALING IN OVARIAN CANCER CELLS.  
Premalatha Shathasivam [G](1,2,3), A. Kollara(1,3), J. Wrana(1,4), T. J. Brown(1,2,3).(1)  
Samuel Lunenfeld Research Institute, Mount Sinai Hospital; Departments of (2)Physiology,  
(3)Obstetrics and Gynecology, and (4)Medical Genetics and Microbiology, University of  
Toronto.
P-B1 GLYCOGEN SYNTHESIS EVALUATION IN LIVERS OF C57BL/6J FETAL MALE MICE SUBJECTED TO ANTENATAL DIETARY RESTRICTION

Lauren A Chun[G](1,2), Brian Knight (1,2) Stephen Lye(1,2,3).
(1)Depts. of Physiology and Ob/Gyn, University of Toronto, Toronto, Canada; (2)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto, (3)Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital.

P-B2 PLACENTAL LOCATION AND NEWBORN WEIGHT

Karthika Devarajan [R](1), Sari Kives (1,2), Joel G Ray (1,2,3)
St. Michael’s Hospital, Toronto (1); Obstetrics and Gynecology, Faculty of Medicine, University of Toronto (2); Departments of Medicine, Health Policy Management and Evaluation and the Division of Endocrinology and Metabolism, St. Michael’s Hospital, Toronto (3).

P-B3 PERINATAL OUTCOMES IN A PRENATALLY DIAGNOSED GASTROSCHISIS COMPILCATED WITH GASTRIC DILATATION

Malikah Alfaraj(F)(1), Greg Ryan(1), Gareth Seaward(1), Jacob Langer(2), John Kingdom (1)
(1)Maternal-Fetal Medicine Division, Departments of Obstetrics & Gynecology, Mount Sinai Hospital,(2) Pediatric Surgery, Hospital for Sick Children, University of Toronto.

P-B4 COMBINATIONS OF FIRST AND SECOND TRIMESTER MATERNAL SERUM BIOCHEMICAL MARKERS AND PREDICTION OF ADVERSE PREGNANCY OUTCOMES: SYSTEMATIC REVIEW AND META-ANALYSIS

Dini Hui [F] (1), Prakeshkumar Shah (1), Kellie Murphy (1), Elizabeth Uleryk (2), John Kingdom (1), Nan Okun (1)
(1) Maternal Fetal Medicine Division, Department of Obstetrics and Gynaecology, University of Toronto (2) Hospital Library & Archives, Hospital for Sick Children, University of Toronto.

P-B5 CONGENITAL MEGALoureTHRA: PRENATAL DIAGNOSIS AND POSTNATAL/ AUTOPSY FINDINGS. REPORT ON 9 CASES

Hagai Amsalem[F](1), Brendan Fitzgerald(2), Sarah Keating(2), Greg Ryan(1), Joao L. Pippi Salle(3), Howard Berger(4), Horacio Aiello(5), Otano Lucas(5), Francois Bernier(6), David Chitayat (7) (1)Department of Obstetrics and Gynaecology, Division of Maternal-Fetal Medicine, Mount Sinai Hospital, University of Toronto, (2) Department of Pathology and Laboratory Medicine, Mount Sinai Hospital, University of Toronto, (3)Department of Pediatric Urology, The Hospital for Sick Children, University of Toronto, (4)Department of Obstetrics and Gynaecology, St Michael’s Hospital, University of Toronto, (5)Unidad de Medicina Fetal Servicio de Obstetricia, Hospital Italiano de Buenos Aires, (6) Department of Medical Genetics, University of Calgary, Calgary, Alberta, (7) The Prenatal Diagnosis and Medical Genetics Program, Mount Sinai Hospital, University of Toronto.

P-B6 THE ROLE OF TRANVAGINAL EARLY ANATOMY ULTRASOUND IN THE MANAGEMENT OF FETUSES WITH LARGE NUCHAL TRANSLUCENCY

Erika Frasca [M] (1,2), A Toi (3), D Chitayat (4), D Farine (5), K Chong (4), K Fong (3), O Nevo (1). (1) Maternal-Fetal Medicine, Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre, (2) Faculty of Medicine, University of Toronto, (3) Department of Medical Imaging, Mount Sinai Hospital, (4) Prenatal Diagnosis and Medical Genetics Program, Mount Sinai Hospital, (5) Maternal-Fetal Medicine, Department of Obstetrics and Gynaecology, Mount Sinai Hospital, University of Toronto.
P-C1 GENERATION OF SOLUBLE FORMS OF ENDOGLIN FOR STRUCTURAL STUDIES
Allison Gregory [G] (1,2,3), Guoxiong Xu (1,2,3), Luca Jovine (4), Michelle Letarte (1,2,3).
(1) Molecular Structure and Function Program, Hospital for Sick Children, Toronto, (2) Immunology Department, University of Toronto, (3) Heart and Stroke Richard Lewar Center of Excellence, (4) Center for Structural Biochemistry, Karolinska Institutet, Sweden.

P-C2 ANGIOGENIC RESPONSE OF THE HUMAN PLACENTA TO HEPARIN: IMPLICATIONS FOR THE PREVENTION OF PRE-ECLAMPSIA?
Mara Sobel [R] (1), Sascha Drewlo (2), John Kingdom (1,2)
(1) Department of Obstetrics & Gynaecology and (2) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, University of Toronto

P-C3 ROLE OF FACTOR INHIBITING HIF-1 (FIH-1) IN THE SELECTIVE REGULATION OF HIF-1 TARGET GENES IN PREECLAMPSIA
Antonella Racano[2] (1,2), Tullia Todros (4), Isabella Caniggia (1,2,3). (1) Samuel Lunenfeld Research Institute, Mount Sinai Hospital; Depts. of (2) Physiology & (3) Obstetrics and Gynaecology, University of Toronto; (4) Dept. of Obstetrics and Gynaecology, University of Turin, Turin, Italy.

P-C4 HEPARIN ELEVATES SFLT-1 SECRETION AND IMPAIRS VILLOUS TROPHOBLAST PHYSIOLOGY IN A DOSE-DEPENDENT MANNER: IMPLICATIONS FOR THE PREVENTION OF SEVERE PREECLAMPSIA?
Sascha Drewlo [PD](1), Khrystyna Levytska(1), Dora Baczyk(1), Mara Sobel (2), John Kingdom (1,2).
(1) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, University of Toronto, (2) Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto

P-C5 A STORY OF LIFE AND DEATH: THE DUAL ROLE OF MTD/BOK IN TROPHOBLAST CELL FATE
Jocelyn Ray[G](1), Julia Garcia(1), Yuan Wu(1), Tullia Todros(2) Andrea Jurisicova(1), Isabella Caniggia(1).
(1) Departments of Obstetrics/Gynaecology & Physiology, SLRI, Mount Sinai Hospital, University of Toronto, (2) Dept. of Obstetrics and Gynecology, University of Turin, Turin, Italy.

P-D1 FLUORESCENT IN SITU HYBRIDIZATION (FISH) IS AN EFFECTIVE TOOL TO DETECT UNSUSPECTED TRISOMIES IN HYDROPIC GESTATIONS
Raheela Siddiqui [R](1), Kathy Chun (2), Zeina Ghorab (1), Nadia Ismiil (1), Mahmoud Khalifa (1), Sharon Nofech-Mozes (1), Raymond Osborne (3), Reda Saad (1), Christopher Sherman (1), Valerie Dubé (1).
(1) Department of Pathology, Sunnybrook HSC, (2) Genetics Program, North York General Hospital, (3) Division of Gynecologic Oncology, Sunnybrook Health Sciences
P-D2  UTILIZATION OF FLUORESCENCE IN SITU HYBRIDIZATION (FISH) METHODOLOGY FOR EVALUATION OF NUCLEAR ORGANIZATION IN HUMAN SPERMATOZOA
Sergey I Moskovtsev[O](1, 2), Naazish Alladin(1), Shlomit Kenigsberg(1), J. Brendan M. Mullen(2), Clifford L. Librach(1, 3)
(1)CReATe Fertility Center, (2)Department of Pathology and Laboratory Medicine, Mount Sinai Hospital, (3)Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre.

P-D3  MODULATION OF NUCLEAR FACTOR KAPPA B SIGNALING BY NALP5 (Work in Progress)
Taline Naranian [G](1), Tong ZhiBin(2), Lawrence Nelson(2), Andrea Jurisicova(1,3).
(1) Department of Physiology, University of Toronto, (2) Developmental Endocrinology Branch, National Institute of Child Health and Human Development, (3) Department of Obstetrics & Gynaecology, Mount Sinai Hospital

P-D4  CHARACTERIZATION OF THE OOCYTE PHENOTYPE CAUSED BY MCL-1 DEFICIENCY
Shakib Omari[G](1), Andrea Jurisicova(1,2).
(1) Department of Physiology, University of Toronto, (2) Department of Obstetrics and Gynaecology, Samuel Lunenfeld Research Institute, Mount Sinai Hospital

P-D5  TAP73 KNOCKOUT MICE AS A MODEL OF REPRODUCTIVE AGING
Tetyana Yavorska [G](1,2), Tak W Mak (3), Andrea Jurisicova (1,2,4).
(1)Department of Physiology, University of Toronto, (2) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (3) The Campbell Family Institute, Ontario Cancer Institute, University Health Network, (4) Division of Reproductive Endocrinology and Infertility, Department of Obstetrics & Gynecology, University of Toronto.

P-E1  IN VITRO DERIVATION OF FUNCTIONAL INSULIN-PRODUCING CELLS FROM HUMAN FIRST TRIMESTER UMBILICAL CORD STEM CELLS
Rong Xiao[PD], Shang-mian Yie, Junhai Zhao, Wei Gong, Clifford L. Librach
Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre and Women’s College Hospital, University of Toronto.

P-E2  ENHANCED FUNCTION OF PREFRONTAL SEROTONIN 5-HT2A/C RECEPTORS IN A RAT MODEL OF PSYCHIATRIC VULNERABILITY
Nathalie M Goodfellow[G](1), Madhurima Benekareddy(2), Farhan Mohammed(2), Vidita A. Vaidya(2), Evelyn K Lambe (1,3)
(1)Department of Physiology, University of Toronto, (2) Department of Biological Sciences, Tata Institute of Fundamental Research, Mumbai, India, (3)Department of Obstetrics and Gynaecology, University of Toronto.

P-E3  THE EFFECT OF CHRONIC MATERNAL ADVERSITY (CMA) ON ACTIVITY AND ATTENTION IN JUVENILE GUINEA PIG OFFSPRING
Jeff Emack[G](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-E4  ALTERED mGLUR1/5 SIGNALING IN MICE LACKING THE GENERAL TRANSCRIPTION FACTOR GTF2IRD1
Eliane Proulx [G](1), Edwin J Young (2), Lucy R Osborne (2), Evelyn K Lambe(1,3);
(1)Department of Physiology, (2) Department of Molecular Medical Genetics, (3) Department of Obstetrics &Gynaecology.

P-E5  TRANSGENERATIONAL EFFECTS OF SYNTHETIC GLUCOCORTICOIDS ON THE EXPRESSION OF KEY REGULATORY GENES IN THE HIPPOCAMPUS
Vasilis Moisiadis[O](1), A Kostaki(1), SG Matthews(1, 2, 3).
Departments of (1)Physiology, (2)Obstetrics and Gynaecology and (3)Medicine, Faculty of Medicine, University of Toronto.

P-E6  ACUTE AROMATASE INHIBITION DECREASES BREAST PARENCHYMAL ENHANCEMENT OBSERVED ON MAGNETIC RESONANCE IMAGING IN POSTMENOPAUSAL WOMEN
Noha Mousa [F] (1), R Eiada (2), P Crystal (2), D Nayot (1), Robert Casper (1)
(1) Department of Obstetrics and Gynaecology, Mount Sinai Hospital, University of Toronto, (2) Department of Radiology, Mount Sinai Hospital, University of Toronto.

P-F1  COST COMPARISON OF THE LAPAROSCOPIC BURCH COLPOSUSPENSION, LAPAROSCOPIC TWO-TEAM SLING AND THE TRANS-OBTURATOR TAPE PROCEDURE FOR THE TREATMENT OF STRESS URINARY INCONTINENCE
Stacey L Grossman [F], Violaine Marcoux, Rose Kung, Patricia E Lee
Division of Urogynaecology, Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre

P-F2  USE OF THE INTRAUTERINE SYSTEM FOR MENSTRUAL SUPPRESSION IN THE DEVELOPMENTALLY DELAYED ADOLESCENT
Erin Barlow [F], Lisa Allen, Nicolette Caccia, Joley Johnstone, Sari Kives, Rachel Spitzer, Melanie Ornstein
The Hospital for Sick Children, Toronto, Ontario

P-F3  A HIERARCHICAL ANALYSIS OF TRIAL OF LABOUR IN ONTARIO: DO WOMEN, DOCTORS, OR HOSPITALS CHOOSE?
Michelle Wise [G](1), Kellie Murphy(2), Mary Hannah(3), Geoff Anderson(1)
(1) Department of Health Policy, Management and Evaluation, (2) Department of Obstetrics and Gynaecology, Mount Sinai Hospital, (3) Department of Obstetrics and Gynaecology, Faculty of Medicine, University of Toronto

P-F4  CHARACTERISTICS OF WOMEN REQUIRING HOSPITAL ADMISSION FOR TREATMENT OF PELVIC INFLAMMATORY DISEASE (PID) AT AN INNER CITY HOSPITAL
Fatuma A Estanbul [R], Mark H Yudin
University of Toronto, St. Michael’s Hospital, Department of Obstetrics and Gynaecology

P-F5  CONSISTENCY OF ANTIBIOTIC REGIMENS FOR SUSPECTED CHORIOAMNIONITIS IN A DOWNTOWN TORONTO TEACHING HOSPITAL
Alice Pham[R](1), Kelly Chu(1), Mark Yudin (2)
(1) Department of Obstetrics & Gynaecology, University of Toronto, (2) Department of Obstetrics and Gynaecology, St. Michael’s Hospital, University of Toronto.
P-G1 THE ROLE OF ANDROGEN SUPPLEMENTATION IN OVULATION INDUCTION IN OLDER WOMEN
Sonia Blanco Mejia [G](1)(2), EA Claessens (1)(3), Manuela Maroleanu (1), Edward A Ryan (1)(3).
(1) Toronto West Fertility Center, Etobicoke, Ontario, (2)Department of Nutritional Sciences, St. Michael’s Hospital, University of Toronto, (3)Department of Obstetrics & Gynaecology, University of Toronto.

P-G2 EFFECT OF VERY HIGH SERUM ESTRADIOL LEVELS ON IMPLANTATION IN HIGH-RESPONDERS UNDERGOING IN VITRO FERTILIZATION (IVF)
Farheen Mussani[M](1), Pratibhasri A Vardhana(2), Hanna Balakier(3), Clifford Librach(4)
(1) University of Toronto, (2),(3),(4)Create Fertility Centre, Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynaecology, Women’s College and Sunnybrook Health Sciences Centre.

P-G3 FUNCTIONAL ANALYSIS OF NALP5 AND ITS POSSIBLE INTERPLAY WITH SPINDLE ASSEMBLY CHECKPOINT PROTEINS DURING OOGENESIS
Russanthy Velumailum [G] (1, 2). Zhi-Bin Tong (3), Lawrence Nelson (3), Andrea Jurisicova (1, 2, 4) (1) Department of Physiology, University of Toronto, (2) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (3) Developmental Endocrinology Branch, National Institutes of Health, Bethesda, MD (4) Department of Obstetrics & Gynaecology, University of Toronto.

P-G4 EXPRESSION OF SURVIVIN IN HUMAN OOCYTES AND EMBRYOS
Shirin Zaver [G], Rong Xiao, Junhai Zhao, Rodica Mandel, Shang-main Yie, Hanna Balakier, Clifford Librach
CReATe Fertility Centre, Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre and Women’s College Hospital, University of Toronto.

P-G5 NON-INVASIVE GENOMIC ANALYSIS OF HUMAN ENDOMETRIAL RECEPTIVITY
Crystal Chan[G, RJ(1,2), Carl Virtanen(3), Neil Winegarden(3), Terence Colgan(4), Theodore Brown(1,2), Ellen Greenblatt(1).
(1)Division of Reproductive Endocrinology and Infertility, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, (2)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (3)Microarray Centre, University Health Network, (4)Department of Laboratory Medicine and Pathobiology, Mount Sinai Hospital.

P-G6 DIFFERENTIAL EXPRESSION OF MAESTRO (MRO) GENE SPLICE VARIANTS IN CULTURED GRANULOSA AND CUMULUS CELLS IN RESPONSE TO HORMONAL STIMULATION
Shlomit Kenigsberg [O](1), Rana El-rass(1) Chantal Lackan(1), Naazish Alladin(1), Sergey I. Moskovtsev(1), and Clifford L Librach(1, 2).
(1)CReATe Fertility Center, Toronto, Ontario, (2)Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre.

P-H1 THE EFFECTS OF SELECTIVE SEROTONIN REUPTAKE INHIBITORS (SSRIs) ON PLACENTAL P-GLYCOPROTEIN
Manzerul Bhuiyan[G](1), Sophie Petropoulos(1), William Gibb(4,5), Stephen Matthews(1,2,3).
(1)Departments of Physiology, (2)Obstetrics & Gynaecology, and (3)Medicine, University of Toronto, (4)Departments of Obstetrics and Gynaecology, and (5) Cellular and Molecular Medicine, University of Ottawa.
P-H2  DIFFERENTIAL PLACENTAL PATTERNING BY FETAL SEX IN HIGH-RISK PREGNANCIES WITH PLACENTAL DYSFUNCTION
Melissa Walker [O] (1), Sarah Keating (2), Rory Windrim (1), John Kingdom (1)
(1) Placenta Clinic, Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, (2) Department of Pathology and Laboratory Medicine, Mount Sinai Hospital, University of Toronto.

P-H3  ANTEMNATAL DEXAMETHASONE TREATMENT DOWN-REGULATES SYSTEM A TRANSPORT AT TERM IN THE MURINE PLACENTA.
Melanie Audette MC [G] (1), JRG Challis (1-4), SG Matthews (1-3)
Departments of (1) Physiology, (2) Obstetrics & Gynaecology and (3) Medicine, University of Toronto, (4) Michael Smith Foundation for Health Research, Vancouver, BC.

P-H4  DECIDUAL LEUKOCYTE POPULATIONS EXHIBIT DRAMATIC CHANGES ACROSS GESTATION IN HEALTHY HUMAN PREGNANCY.
Aleah Hazan [G] (1,2), Caroline Dunk(2), Rebecca L Jones(3), Wendy Whittle(4), Stephen J Lye(1,2,4). (1) Department of Physiology, University of Toronto, (2) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (3) Maternal and Fetal Health, St. Mary’s Hospital, Manchester, UK, (4) Department of Obstetrics & Gynaecology, Mount Sinai Hospital.

P-H5  EXPANSION OF THE PLACENTAL VASCULATURE IN LATE GESTATION IS STRAIN DEPENDENT IN MICE
Monique Y Rennie [G] (1,2), Anum Rahman (1), Kathie J Whiteley (3), S Lee Adamson (3,4), John G Sled (1,2) (1) Mouse Imaging Centre, Hospital for Sick Children, (2) Department of Medical Biophysics, (3) SLRI, Mount Sinai Hospital, (4) Departments of Obstetrics & Gynaecology and Physiology, University of Toronto

P-H6  THE ROLE OF VHL IN REGULATING THE EXPRESSION OF CCND1 IN PHYSIOLOGICAL AND PATHOLOGICAL PLACENTAL CONDITIONS
Livia Deda [G] (1,2,3), Jocelyn Ray (1,2,3), Tullia Todros (4), Isabella Caniggia (1,2,3)
(1) Mount Sinai Hospital, Samuel Lunenfeld Research Institute, Departments of (2) Physiology and (3) Obstetrics and Gynaecology, Faculty of Medicine, University of Toronto, (4) Department of Obstetrics and Gynecology, University of Turin, Turin, Italy.

P-I1  THE IMPACT OF ETHNICITY ON AWARENESS, KNOWLEDGE, AND ATTITUDES OF THE HPV VACCINE IN ADULT WOMEN
Sharon Sadry [M] (1), Leanne De Souza (2), Mark Yudin, (2). (1) Department of Undergraduate Medicine, Faculty of Medicine, University of Toronto (2) Department of Obstetrics, Gynecology, & Reproductive Infectious Diseases, St. Michael’s Hospital, University of Toronto.

P-I2  MOVING BEYOND PRIMARY SCREENING FOR CERVICAL CANCER IN LOW-RESOURCE SETTINGS
Naana Afua Jumah [R] (1), Barry Rosen(2)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Gynaecologic Oncology Division, Princess Margaret Hospital.
P-I3  INTERNATIONAL COOPERATION FOR CANCER CARE: PROTOCOL DEVELOPMENT FOR OVARIAN CANCER TREATMENT IN KENYA
Luc van Lonkhuijzen [F,G](1), Lynn Sterling(2), Job Nyangena (3), Elkanah Orango (3), Barry Rosen (1)
(1) Division of Gynaecologic Oncology, University of Toronto(2) University of Toronto Medical School, (3) Moi Teaching and Referral Hospital, Eldoret, Kenya

P-I4  WITHDRAWN

P-I5  TRAJECTORY OF CARE OF WOMEN REFERRED TO A TERTIARY HEALTH CARE CENTRE WITH ATYPICAL SQUAMOUS CELLS OF UNDETERMINED SIGNIFICANCE (ASCUS) OR LOW-GRADE SQUAMOUS INTRAEPITHELIAL LESIONS (LSIL) ON CERVICAL CYTOLOGY: A CROSS-SECTIONAL ANALYSIS
Andrea N Simpson [M](1), L Le(2), K Joan Murphy(3)
(1) Faculty of Medicine, University of Toronto (2) Biostatistics, Princess Margaret Hospital (3) Department of Gynaecologic Oncology, Princess Margaret Hospital, University of Toronto.

P-J1  SPATIAL AND TEMPORAL EXPRESSION OF ACID CERAMIDASE IN PLACENTAL DEVELOPMENT AND IN PREECLAMPSIA
Reshef Tal [PD], Isabella Caniggia.
Samuel Lunenfeld Research Institute, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto.

P-J2  DUAL SPECIFICITY PHOSPHATASE 9 (DUSP9): A CANDIDATE GENE TO EXPLAIN THE MALE BIAS IN SEVERE PLACENTAL INSUFFICIENCY SYNDROMES
Marie J Czik [R](1), Sascha Drewlo(2), Dora Baczyk(2), Thomas Kislinger(3,4), S Lee Adamson(1,2), John CP Kingdom(1,2), (1) Obstetrics and Gynaecology, University of Toronto; (2) Samuel Lunenfeld Research Institute, Mount Sinai Hospital; (3) Ontario Cancer Institute, University Health Network; (4) Medical Biophysics, University of Toronto.

P-J3  THE ROLE OF PAR6 IN REGULATING TROPHOBLAST CELL POLARITY
Tharini Sivasubramaniyan [G], Isabella Caniggia.
Departments of Obstetrics & Gynaecology and Physiology, University of Toronto; SLRI, Mount Sinai Hospital.

P-J4  EXPRESSION OF VEGF-A IN THE PLACENTA, MATERNAL ORGANS, AND CIRCULATION DURING PREGNANCY IN MICE
Abhijeet Minhas [G], Shannon Bainbridge, Dawei Qu, Hoon-ki Sung, Andras Nagy, and S Lee Adamson. Samuel Lunenfeld Research Institute, Mount Sinai Hospital; Department of Obstetrics & Gynaecology, Mount Sinai Hospital and Department of Physiology, University of Toronto.

P-J5  HER-1 SIGNALING AND EXTRAVILLOUS TROPHOBLAST MIGRATION
Caroline E Dunk[O](1), JKWright(1,2), H Amsalem(1), C Maxwell(3), S Keating(4) & SJ Lye(1,2,3). (1) Women’s and Infant’s Health Research Centre, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (2) Depts of Physiology, (3) Obstetrics and Gynaecology and (4) Pathology, University of Toronto.
P-K1  HUMAN AMNION TIGHT JUNCTIONS AND INTRAUTERINE INFECTION AND INFLAMMATION
Rebecca Kosck [G](1,2), Wei Li (2), Andrew Martins (3), Sun O Kim (3), Gregor Reid (3),
John RG Challis (1), Alan D Bocking (1,2).
(1) Departments of Physiology and Obstetrics and Gynaecology, University of Toronto
(2) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (3) Department of Microbiology
and Immunology, Siebens-Drake Research Center, and the Canadian Research and Development
Center for Probiotics, University of Western Ontario

P-K2  PREVALENCE AND CHARACTERISTICS OF GROUP B STREPTOCOCCUS
POSITIVE PREGNANT WOMEN IN AN INNER CITY TERTIARY CARE CENTRE
Eliane Shore [R](1), Mark Yudin(2).
(1) Department of Obstetrics & Gynaecology, University of Toronto, (2) Department of
Obstetrics, Gynaecology, & Reproductive Infectious Diseases, St. Michael's Hospital, University
of Toronto.

P-K3  H1N1 IN PREGNANCY: A TERTIARY CARE CENTRE EXPERIENCE
Ann Malinowski [F](1), Julie Robertson(1), Cynthia Maxwell(1), Allison McGeer(2), Matthew
Sermer(1), Dan Farine(1).
(1)Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Mount Sinai
Hospital, (2)Department of Microbiology, Mount Sinai Hospital

P-K4  A NOVEL ROLE OF NUCB2 IN REGULATING THE INITIATION OF LABOUR
Yunqing Li [G](1,2), Oksana Shynlova(1), Xuesen Dong(4), Stephen J Lye(1,2,3).
(1)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (2)Department of Physiology,
University of Toronto, (3)Department of Obstetrics and Gynaecology, University of Toronto,
(4)Prostate Center, Vancouver General Hospital.

P-K5  IMMUNOPHENOTYPING OF PERIPHERAL BLOOD LEUKOCYTES IN
PREGNANT AND TERM LABOURING WOMEN
Sally Sabra [G](1,4), Oksana Shynlova (1), Stephen Lye (1,2,3),
(1)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Department of (2) Ob/Gyn; (3)
Physiology and (4) IMS, University of Toronto.

P-L1  PPROM in Twins: From A to B, In Progress
Susan Pakenham [R](1), Sarah Scattolon(2), Jon Barrett(3), Ori Nevo(3).
(1)Department of Obstetrics & Gynaecology, University of Toronto (2)Faculty of Undergraduate
Medicine, University of Toronto (3)Division of Maternal-Fetal Medicine, Department of
Obstetrics & Gynaecology, Sunnybrook Health Sciences Centre.

P-L2  SURVEY OF MENSTRUAL CYCLES: THE PREVALENCE OF
MENORRHAGIA AND ITS IMPACT IN THE WORKFORCE
Marilyn Sutandar [R](1), Wusun Paek(1)
(1)Gynaecology Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital,
University of Toronto

P-L3  HOW DOES THE UNIVERSITY OF TORONTO HYSTERECTOMY TRAINING
COMPARE TO THE REST OF CANADA?
Jamie Kroft [R], Joel RK Moody, Patricia Lee
Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre, University of
Toronto
P-L4  DO PODCASTS MEASURE UP? MEDICAL STUDENTS’ PERCEPTIONS OF THE UTILITY OF PODCASTS IN MEDICAL EDUCATION (WORK IN PROGRESS)
Lyana Sisca [R], Lynne Zolis(1), Filomena Meffe (2), Michele Farrugia (2)
(1)University of Toronto, (2)Department of Obstetrics and Gynaecology, University of Toronto.

P-L5  THE EFFECT OF REIKI ON PAIN IN WOMEN AFTER ELECTIVE CAESAREAN SECTION – A DOUBLE-BLINDED RANDOMIZED CONTROLLED TRIAL
Sondra vander Vaart [G][1,2], Howard Berger(3), Carolyn Tam(2,4), Y Ingrid Goh(1,2), Violette MGJ Gijsen(2), Saskia N de Wildt(5), Anna Taddio(2), Gideon Koren(1,2,6)
(1)Department of Pharmaceutical Sciences, University of Toronto, (2)Division of Clinical Pharmacology and Toxicology, The Hospital for Sick Children, (3) Department of Obstetrics and Gynaecology, St. Michael’s Hospital, (4)Department of Pharmacology and Toxicology, Faculty of Medicine, University of Toronto, (5)Department of Pediatric Surgery, Erasmus MC Sophia Children’s Hospital, Rotterdam, The Netherlands, (6)Ivey Chair in Molecular Toxicology, Department of Medicine, University of Western Ontario
Research Day Awards

The 2010 JW Knox Ritchie Research Awards for best abstract/presentation by trainee category were awarded during the celebratory wine and cheese reception at the end of the Department’s 27th Annual Research Day, held on May 7, 2010 at Victoria College, University of Toronto. The award winners were:


Graduate Student: Jocelyn Ray (Supervisor: I. Caniggia) for Poster Presentation, C5, A Story of Life and Death: The Dual Role of Mtd/Bok in Trophoblast Cell Fate. Jocelyn Ray, Julia Garcia, Yuan Wu, Tullia Todros, Andrea Jurisicova, Isabella Caniggia.

Post-Graduate Fellow: Alicia Tone (Supervisor: T.J. Brown) for Oral Presentation, 05, DAB2 Enhances Glucocorticoid Receptor-Mediated Anti-Inflammatory Signalling in ES2 Ovarian Cancer Cells. Alicia Tone, Carl Virtanen, Patricia Shaw, Theodore J. Brown.

Resident: Mara Sobel (Supervisor: J. Kingdom) for Poster Presentation, C2, Angiogenic response of the human placenta to heparin: Implications for the prevention of pre-eclampsia? Mara Sobel, Sascha Drewlo, John Kingdom.

Medical Student: Marie Wegener (Supervisor: S. Ferguson) for Oral Presentation, O6, Validation of the Modified Sexual Adjustment and Body Image Scale in Women with a Diagnosis of Gynaecologic Cancer (SABIS-G) Marie Wegener, Sara Urowitz, Catherine Classen, David Wiljer, Christine Massey, Sarah E. Ferguson.

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 Rebecca Cash.
RESEARCH GRANTS AND INVESTIGATIONS

PI=Principal Investigator; CI=Co-Investigator


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


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


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


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


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


Belsham DD. (Principal Investigator). Circadian regulation of neuropeptides from the hypothalamus. Natural Sciences and Engineering Research Council, Operating Grant Renewal, $210,000, $42,000 per annum, April 2007 – March 2012.

Belsham DD (Principal Investigator). Molecular mechanisms dictating control of neuroendocrine function by estrogen. Canadian Institutes of Health Research, Operating Grant, Renewal, $752,940, $150,588 per annum, Renewal, April 2009 – March 2014.

Belsham DD. Canada Research Chair Award in Neuroendocrinology, Tier 2, Renewal, $500,000, $100,000 per annum, July 2009 – June 2014.

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


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

Best C, Lovatsis D. Randomized controlled trial of Short-term Uresta Efficacy (SURE trial). Mount Sinai Hospital Research Fund, $7000, 2010.

Bocking AD (Project Co-ordinator), Caloia D, Spitzer RF. Emergency Obstetrical Training (EmOC) in Western Kenya. Developmental Partnerships in Higher Education (DelPHE), British Council, UK, £30,000 per annum, September 1, 2009 – August 31, 2012.

Bocking AD, (Principal Investigator); Challis JR, Reid G (Co-Investigators). Role of lactobacilli in maternal and perinatal health. Canadian Institutes of Health Research, $106,600 per annum, 2007 – 2012.


Bortolini M(PI), Shynlova O, Drutz H, Alarab M. Expression of procollagen c proteinase in the vaginal tissue of women with and without pelvic organ prolapse. Mount Sinai Hospital Research Fund, $8000, March 2010 – February 2011.


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


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

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


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


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, Post M (Co-Investigators). The role of Bcl-2 family members in regulating placental cell fate. Canadian Institutes of Health Research Operating Grant, $ 757,050 total, $152,134 per annum, 2008 – 2013.

Caniggia I (Principal Investigator), Post M (CI). Monoclonal antibodies against hydroxylated HIF as a diagnostic tool for pregnancy disorders. MaRS MI Proof of Principal, $50,000, 2010.
Caniggia I (Principal Investigator), Post M, Zamudio S (CIs). The role of oxygen in regulating placental development. Canadian Institutes of Health Research Operating Grant, $787,490 total, $156,000 per annum, 2008 – 2013.

Casper RF. Can aromatase inhibitors reduce breast density, a biomarker of breast cancer risk, in postmenopausal women taking hormone therapy? Canadian Breast Cancer Foundation, Ontario Region Research Project Grant, $147,763 per annum, September 2009 – August 2012.


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

Casper RF (Principal Investigator), Rahman SA, Shapiro CM (Co-Investigators). Ameliorating affective disorder induced by circadian rhythm disruption. CIHR, Operating Grant, $427,126, 2010 – 2013.

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

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

Classens C (PI), Ferguson SE (CI), Urowitz S (CI), Wiljer D (CI). Development of an internet-based support group for sexual problems due to gynaecologic cancer. CCSRI, $35,000 total, $17,500 per annum, May 1, 2008 – April 30, 2010.


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


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


Feig DS (Principal Investigator); Armson BA, Asztalos EV; Fantus, Ivan G; Lee, SK, Lipscombe L, Murphy KE, Ohlsson A, Ryan EA, Tomlinson GA, Zinman B (Co-Investigators). The MiTY Trial (Metformin in Women with Type 2 Diabetes in Pregnancy). CIHR, Operating Grant, $1,735,119, 2010 – 2015.


**Ferguson SE**, Urowitz S. Supporting gynaecologic oncology patients with, through, and beyond: Patient education and survivorship at Princess Margaret. Schering-Plough Education Grant, $30,000 total, $10,000 per annum, January 2009 – January 2011.

**Ferguson SE**(PI), Urowitz S (Co-PI), Classens C (Co-PI). Development and validation of the modified sexual adjustment and body image scale in women with a diagnosis of gynecologic cancer (SABIS-G). Princess Margaret Hospital Foundation, $15,000, 2009 – 2010.


Fraser W, Weksberg R (Co-PI). Integrated Research Network in Perinatology (IRNPQ) – Impact of intrauterine exposures on infant health and development. Canadian Institutes of Health Research/Canadian Foundation for Innovation, $20,000,000 total, $100,000 per annum for Weksberg lab, 2008 – 2013.


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


Harris D (PI), **Rogers IM** (CI). A model for analyzing the role of extrinsic factors responsible for aging of the human immune system. NIH Eureka Grant, $960,000, $240,000 per annum, 2010 – 2014.


Hodnett ED, Stremer RL (PIs), Halpern SH, Willan AR, **Windrim R** (CIs). Labour Position Trial 2. CIHR, Operating Grant Priority Announcement, $100,000, March 2010 – February 28, 2011.
Holtzman S (PI); Barata P, **Stewart DE**. Understanding and measuring the construct of irritability in men and women. Canadian Institutes of Health Research, $98,940, March 1, 2010 – February 28, 2011.


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 – ongoing.

Josse R (Principal Investigator), **Derzko CM**, Rubin L (Co-Investigators). A randomized open-label study to evaluate the safety and efficacy of denosumab and monthly actonel therapies in postmenopausal women transitioned from weekly or daily alendronate therapy. Amgen Protocol 20080099. $5,456 per patient, 2009-ongoing.

Jurisica I, **Oza AM** (Principal Investigators), **Colgan TJ, Jurisicova A**, Kislingter T (Co-Applicants). Diagnostic and prognostic biomarkers for epithelial ovarian cancer. Canadian Institutes of Health Research, Operating Grant, $161,125 per annum, 2009 – 2013.

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


Kingdom J, Bainbridge S. Low levels of activity of the gene, Gem 1, are observed in the placentas of women with poor pregnancy outcomes – is this a correlate or a cause? MSH Research Foundation, Department of Obstetrics and Gynaecology, $7,500, July 2009 – June 2010.


Kives S. Randomized controlled trial of continuous oral contraceptives vs. cyclical oral contraceptives in adolescents. Physicians’ Services Inc. Foundation, $75,000, 2005 – present.


Lambe EK (PI) Mechanism of aberrant attention circuitry in a mouse model of Fragile X mental retardation. Scottish Rite Charitable Foundation, New Investigator Operating Grant, $105,000 total; $35,000 per annum; 2008 – 2011.
**Lambe EK** (PI). Cellular and molecular mechanisms underlying development and plasticity of prefrontal attention circuitry. Canadian Institutes of Health Research, $718,025 total; $143,605 per annum, 2008 – 2013.

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


**Letarte M** (Principal Investigator). Proteins differentially expressed in ovarian epithelium of BRCA1 carriers as potential biomarkers for ovarian cancer. Ovarian Cancer Canada, $30,000, Operating Grant, 2008 – 2009.

**Letarte, M.** (P.I.) Soluble endoglin in endothelial cell function and hypertension associated with preeclampsia. Heart and Stroke Foundation of Canada, Operating grant, $344,273; $114,758 per annum, 2010 – 2013.


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


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


Lye SJ (Principal Investigator); Shynlova O (Co-Investigator). Control of myometrial contractile activity during pregnancy. CIHR, Operating Grant, $912,320, 2010 – 2015.


Maxwell C (PI), Glanc P (Co-PI). Can the 15 week transvaginal ultrasound decrease the number of examinations required for the fetal anatomic evaluation in obese pregnant women? Ontario Ministry of Health Mount Sinai Hospital/University Health Network Academic Medical Organization Innovation Fund (IF), $85,891, 2009 – 2011.

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


**Narod SA** (Principal Investigator), Bristow RG, Nam RK, Trachtenberg J (Co-Investigators). Clinical Course of BRCA2-associated prostate cancer. CIHR Operating Grant, $425,989, 3 years, 2009 – 2012.


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


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

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

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


**Ray JG.** InterPreg Study. Canadian Institutes of Health Research. Operating Grant, $47,000 per annum, 2005 – 2010.

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


Rossant J. Lineage development in the mouse blastocyst. CIHR, Operating Grant, $1,012,210, 2009 – 2014.


Serghides L (PI), Loutfy MR, Murphy KE, Yudin MH. Angiogenesis and adverse pregnancy outcomes in women with HIV, a pilot study. CIHR, $95,710, March 1, 2010 – February 28 2011.


**Sermer M** (CI). The early natural history of cardiovascular disease at 4 years postpartum in young women with varying degrees of glucose intolerance in pregnancy. Heart and Stroke Foundation of Canada, $100,000 per annum, 2009 – 2012.

**Sermer M** (Site Coordinator). Evaluation of natural killer cell contributions to the known elevated risks for maternal and fetal pathologies in diabetic pregnancy. CIHR, $9,000 per annum, 2010 – 2011.

**Sermer M** (PI) MIREC Infant Development Study (MIREC FFQ), $35,000 per annum, 2010 – 2011.

**Sermer M** (CI). Investigation of the prognostic importance of natiuretic peptides in pregnant women with heart disease: A prospective observational cohort study. HSFO, $69,970 per annum, 2010 – 2012.


Silverman M, **Thistle P**. Effectiveness of Nelfinavir-based Haart in prevention of infant adverse events in a rural setting In Zimbabwe. The Rotary Foundation, $47,000 US, 2008 – 2010.

**Siu KM** (Principal Investigator), **Colgan T**. Discovery, identification, and verification of novel biomarkers in head and neck cancer. Canadian Institutes of Health Research (CIHR). Grant, $380, 292; $126,764 per annum, 2008 – 2010.

**Siu KWM** (PI). **Colgan TJ**. Translating head and neck cancer markers into diagnostic assays. York University, International Science and Technology Partnerships Canada (ISTPCanada), ISTP Program with India. $1,163,312; $290,828 per annum, 2009 – 2012.

**Siu KM** (Principal Investigator), Romaschin A, **Colgan T**. Biomarker discovery, identification and verification using tissue proteomics in an endometrial cancer model. National Cancer Institute of Canada, CCS Research Grant, $747,850, $149,210 per annum, 2005 – 2010.


Spitzer RF. Development of a partograph algorithm for use on PDAs in a global context. $4,000 & Evaluation of the ALARM International Program in Kenya. $1,000; Mount Sinai Department of Obstetrics and Gynaecology Research Fund, $5000 total, July 2009 – June 2010.


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


Tremblay L, Bakirtzian A, Benhabib B, Ternamian A (Principal Investigators), Tyrwhitt J. Interdisciplinary collaborative robotic automated port application research. Department of Kinesiology, the Division of Gynecologic Endoscopy, Department of Obstetrics and Gynecology and the Department of Research and Knowledge Management at St. Joseph's Health Centre, Department of Clinical Biomedical Engineering, University of Toronto, $5000 and in kind donations, 2007 – 2010.


Yudin M (CI). The psychosocial experiences and needs of HIV-positive women during their first year of motherhood. Ontario HIV Treatment Network (OHTN), Research Operating Grant, $450,000, 2010 – 2013.

## ABBREVIATIONS USED IN THIS REPORT

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<th>Abbreviation</th>
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<tbody>
<tr>
<td>AACR</td>
<td>American Association for Cancer Research</td>
</tr>
<tr>
<td>AAGL</td>
<td>American Association of Gynecologic Laparoscopists</td>
</tr>
<tr>
<td>ACMG</td>
<td>Annual Clinical Medical Genetics Meeting</td>
</tr>
<tr>
<td>AHA</td>
<td>American Heart Association</td>
</tr>
<tr>
<td>AHFMR</td>
<td>Alberta Heritage Foundation for Medical Research</td>
</tr>
<tr>
<td>AIUM</td>
<td>American Institute of Ultrasound in Medicine</td>
</tr>
<tr>
<td>APOG</td>
<td>The Association of Professors of Obstetrics &amp; Gynaecology of Canada</td>
</tr>
<tr>
<td>ASBMR</td>
<td>American Society for Bone and Mineral Research</td>
</tr>
<tr>
<td>ASCCP</td>
<td>American Society for Colposcopy and Cervical Pathology</td>
</tr>
<tr>
<td>ASCO</td>
<td>American Society of Clinical Oncology</td>
</tr>
<tr>
<td>ASHG</td>
<td>American Society of Human Genetics</td>
</tr>
<tr>
<td>ASRM</td>
<td>American Society for Reproductive Medicine</td>
</tr>
<tr>
<td>AWHONN</td>
<td>Association of Women’s Health, Obstetric and Neonatal Nurses</td>
</tr>
<tr>
<td>BICOG</td>
<td>British International Congress of Obstetrics and Gynaecology</td>
</tr>
<tr>
<td>CAFS</td>
<td>Canadian Fertility and Andrology Society</td>
</tr>
<tr>
<td>CAGS</td>
<td>Canadian Association of General Surgeons</td>
</tr>
<tr>
<td>CAHR</td>
<td>Canadian Association of HIV Research</td>
</tr>
<tr>
<td>CANPAGO</td>
<td>Canadian Paediatric and Adolescent Gynaecology/Obstetrics Committee (SOGC)</td>
</tr>
<tr>
<td>CAPHC</td>
<td>Canadian Association of Paediatric Health Centres</td>
</tr>
<tr>
<td>CAR</td>
<td>Canadian Association of Radiologists</td>
</tr>
<tr>
<td>CaRMS</td>
<td>The Canadian Resident Matching Service</td>
</tr>
<tr>
<td>CARO/ACRO</td>
<td>Canadian Association of Radiation Oncology</td>
</tr>
<tr>
<td>CBCF</td>
<td>Canadian Breast Cancer Foundation</td>
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<tr>
<td>CBCRA</td>
<td>Canadian Breast Cancer Research Alliance</td>
</tr>
<tr>
<td>CCC</td>
<td>Canadian Cardiovascular Congress</td>
</tr>
<tr>
<td>CCME</td>
<td>Canadian Conference on Medical Education</td>
</tr>
<tr>
<td>CCSMS</td>
<td>Chinese Canadian Medical Society (Ontario)</td>
</tr>
<tr>
<td>CCSRI</td>
<td>Canadian Cancer Society Research Institute</td>
</tr>
<tr>
<td>CEPD</td>
<td>Continuing Education and Professional Development (University of Toronto)</td>
</tr>
<tr>
<td>CERI</td>
<td>Canadian Epilepsy Research Initiative</td>
</tr>
<tr>
<td>CFPC</td>
<td>College of Family Physicians of Canada</td>
</tr>
<tr>
<td>CIHR</td>
<td>Canadian Institutes of Health Research</td>
</tr>
<tr>
<td>CMICR</td>
<td>The Centre for Mother, Infant, and Child Research</td>
</tr>
<tr>
<td>COGI</td>
<td>World Congress on Obstetrics, Gynaecology and Infertility</td>
</tr>
<tr>
<td>CFRC</td>
<td>Centre for Fertility and Reproductive Care (MSH)</td>
</tr>
<tr>
<td>CPA</td>
<td>Canadian Physiotherapy Association</td>
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<tr>
<td>CSFMFM</td>
<td>Canadian Society of Maternal Fetal Medicine</td>
</tr>
<tr>
<td>CUA</td>
<td>Canadian Urologic Association</td>
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<tr>
<td>ECNP</td>
<td>European College of Neuropsychopharmacology</td>
</tr>
<tr>
<td>EPA</td>
<td>European Placenta Group</td>
</tr>
<tr>
<td>ESC</td>
<td>European Society of Cardiology</td>
</tr>
<tr>
<td>ESHRE</td>
<td>European Society of Human Reproduction and Embryology</td>
</tr>
<tr>
<td>Acronym</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
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<tr>
<td>FAIS</td>
<td>Federation of African Immunological Societies</td>
</tr>
<tr>
<td>FCMS</td>
<td>Federation of Chinese American and Chinese Canadian Medical Societies</td>
</tr>
<tr>
<td>FIGO</td>
<td>International Federation of Gynecology and Obstetrics</td>
</tr>
<tr>
<td>FORCE</td>
<td>Facing Our Risk of Cancer Empowered</td>
</tr>
<tr>
<td>GOC</td>
<td>The Society of Gynecologic Oncology of Canada</td>
</tr>
<tr>
<td>GOG</td>
<td>Gynecologic Oncology Group</td>
</tr>
<tr>
<td>HSC</td>
<td>Hospital for Sick Children</td>
</tr>
<tr>
<td>HSFO</td>
<td>Heart and Stroke Foundation of Ontario</td>
</tr>
<tr>
<td>HUPO</td>
<td>Human Proteome Organisation</td>
</tr>
<tr>
<td>IBD</td>
<td>Inflammatory Bowel Disease</td>
</tr>
<tr>
<td>ICONN</td>
<td>The International Collaboration of Neonatal-perinatal Networks</td>
</tr>
<tr>
<td>ICS</td>
<td>International Continence Society</td>
</tr>
<tr>
<td>IGCS</td>
<td>International Gynecologic Cancer Society</td>
</tr>
<tr>
<td>IDSOG</td>
<td>Infectious Diseases Society for Obstetrics and Gynecology</td>
</tr>
<tr>
<td>IFMSS</td>
<td>The International Fetal Medicine and Surgery Society</td>
</tr>
<tr>
<td>IFPA</td>
<td>International Federation of Placenta Associations</td>
</tr>
<tr>
<td>INTAPP</td>
<td>An International Trial of Antioxidants in the Prevention of Preeclampsia</td>
</tr>
<tr>
<td>IPEG</td>
<td>International Pediatric Endoscopy Group</td>
</tr>
<tr>
<td>IPOS</td>
<td>International Psycho-Oncology Society</td>
</tr>
<tr>
<td>ISSCR</td>
<td>International Society for Stem Cell Research</td>
</tr>
<tr>
<td>ISSHP</td>
<td>The International Society for the Study of Hypertension in Pregnancy</td>
</tr>
<tr>
<td>IUGA</td>
<td>International Urogynecological Association</td>
</tr>
<tr>
<td>LHIN</td>
<td>Local Health Integration Network</td>
</tr>
<tr>
<td>MEFS</td>
<td>Middle East Fertility Society</td>
</tr>
<tr>
<td>MICYRN</td>
<td>Maternal Infant Child and Youth Research Network</td>
</tr>
<tr>
<td>MSH</td>
<td>Mount Sinai Hospital</td>
</tr>
<tr>
<td>NAFTNet</td>
<td>The North American Fetal Therapy Network</td>
</tr>
<tr>
<td>NAMS</td>
<td>North American Menopause Society</td>
</tr>
<tr>
<td>NASPAG</td>
<td>North American Society of Pediatric Gynecology Annual Clinical Meeting</td>
</tr>
<tr>
<td>NESA</td>
<td>New European Surgical Academy</td>
</tr>
<tr>
<td>NCI</td>
<td>National Cancer Institute (part of NIH)</td>
</tr>
<tr>
<td>NIDA</td>
<td>National Institute on Drug Abuse</td>
</tr>
<tr>
<td>NIH</td>
<td>National Institutes of Health</td>
</tr>
<tr>
<td>NSERC</td>
<td>Natural Sciences and Engineering Research Council of Canada</td>
</tr>
<tr>
<td>NYGH</td>
<td>North York General Hospital</td>
</tr>
<tr>
<td>NYSORA</td>
<td>The New York School of Regional Anesthesia</td>
</tr>
<tr>
<td>OGS/OGSST</td>
<td>Ontario Graduate Scholarship/Ontario Graduate Scholarship in Science and Technology</td>
</tr>
<tr>
<td>Ornge</td>
<td>Formerly Ontario Air Ambulance</td>
</tr>
<tr>
<td>OMA</td>
<td>Ontario Medical Association</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Full Name</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------</td>
</tr>
<tr>
<td>PAG</td>
<td>Paediatric and Adolescent Gynaecology</td>
</tr>
<tr>
<td>PAS</td>
<td>The Pediatric Academic Societies</td>
</tr>
<tr>
<td>PAX</td>
<td>Peritoneal Society: New name: PnS: Peritoneum and Surgery</td>
</tr>
<tr>
<td>PMH</td>
<td>Princess Margaret Hospital</td>
</tr>
<tr>
<td>PNOGA</td>
<td>Pacific Northwest Obstetrical &amp; Gynecological Association</td>
</tr>
<tr>
<td>PREBIC</td>
<td>PREterm Birth Collaborative</td>
</tr>
<tr>
<td>PSI</td>
<td>Physicians’ Services Incorporated</td>
</tr>
<tr>
<td>RCOG</td>
<td>Royal College of Obstetricians and Gynaecologists (UK)</td>
</tr>
<tr>
<td>RCPSC</td>
<td>Royal College of Physicians and Surgeons of Canada</td>
</tr>
<tr>
<td>RSNA</td>
<td>Radiological Society of North America</td>
</tr>
<tr>
<td>SAEM</td>
<td>Society for Academic Emergency Medicine</td>
</tr>
<tr>
<td>SAGES</td>
<td>Society of American Gastrointestinal and Endoscopic Surgeons</td>
</tr>
<tr>
<td>SGI</td>
<td>Society for Gynecologic Investigation</td>
</tr>
<tr>
<td>SGO</td>
<td>Society of Gynecologic Oncologists</td>
</tr>
<tr>
<td>SHSC</td>
<td>Sunnybrook Health Sciences Centre</td>
</tr>
<tr>
<td>SHUTC</td>
<td>Sunnybrook Hospital University of Toronto Clinic (legal name, operates, as of 1973, as Academic Clinicians’ Management Services)</td>
</tr>
<tr>
<td>SIECAN</td>
<td>Sex Information and Education Council of Canada</td>
</tr>
<tr>
<td>SIR</td>
<td>Society of Interventional Radiology</td>
</tr>
<tr>
<td>SJHC</td>
<td>St. Joseph’s Health Centre</td>
</tr>
<tr>
<td>SLRI</td>
<td>Samuel Lunenfeld Research Institute</td>
</tr>
<tr>
<td>SMFM</td>
<td>Society for Maternal-Fetal Medicine</td>
</tr>
<tr>
<td>SMH</td>
<td>St Michael’s Hospital</td>
</tr>
<tr>
<td>SOGC</td>
<td>Society of Obstetricians and Gynaecologists of Canada</td>
</tr>
<tr>
<td>SSR</td>
<td>Society for the Study of Reproduction</td>
</tr>
<tr>
<td>STGO</td>
<td>Tunisian Society of Gynaecology and Obstetrics</td>
</tr>
<tr>
<td>STLHE</td>
<td>Society for Teaching and Learning in Higher Education</td>
</tr>
<tr>
<td>TEGH</td>
<td>Toronto East General Hospital</td>
</tr>
<tr>
<td>UHN</td>
<td>University Health Network</td>
</tr>
<tr>
<td>USCAP</td>
<td>United States and Canadian Academy of Pathology</td>
</tr>
<tr>
<td>WAGO</td>
<td>Western Association of Gynecologic Oncologists</td>
</tr>
<tr>
<td>WEBC</td>
<td>Weekend to End Breast Cancer</td>
</tr>
<tr>
<td>WFUMB</td>
<td>World Federation for Ultrasound in Medicine and Biology</td>
</tr>
<tr>
<td>WHI</td>
<td>Women’s Health Initiative</td>
</tr>
<tr>
<td>WHO</td>
<td>World Health Organization</td>
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</tbody>
</table>

**Peer-Reviewed Publications**
This publication uses the Index Medicus style of citation.
The Department would like to acknowledge the work of Helen Robson and Franca Conciatore in producing this report.

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