

**DEPARTMENT OF
OBSTETRICS AND GYNECOLOGY**
Annual Report for July 1, 2011 – June 30, 2012



**University of Rochester
School of Medicine and Dentistry**

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

**UNIVERSITY OF ROCHESTER
SCHOOL OF MEDICINE AND DENTISTRY**

**James R. Woods, Jr., M.D.
Professor and Chair**

ANNUAL REPORT

for the period

July 1, 2011 - June 30, 2012

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MESSAGE FROM THE CHAIR



James R. Woods, Jr., M.D.
*Henry A. Thiede Professor and Chair
Department of Obstetrics and Gynecology*

WE STAND ON THE SHOULDERS OF GIANTS

We are who we are because of those we have sought to emulate. Henry Thiede has been for me, and many of our faculty, that role model.

Henry Thiede graduated from the University of Buffalo School of Medicine and Dentistry in 1949. He was a surgical intern/resident at Buffalo General Hospital from 1949-1950, served from 1950-1952 as Captain in the United States Army Medical Corps and then completed a four year residency in Obstetrics-Gynecology from 1952-1956 at The Genesee Hospital/Strong Memorial Hospital. Dr. Thiede was on faculty in the Department of Obstetrics-Gynecology at the University of Rochester from 1957-1966 as Instructor/Senior Instructor, then Assistant Professor and finally Associate Professor. He left the University in 1967 to become the second Chair in Obstetrics-Gynecology at the University of Mississippi and served in that role from 1967-1974; Assistant Dean from 1970-1973; and Associate Dean of Academic Affairs from 1973-1974. Dr. Thiede returned to Rochester in 1974 to become Chair in Obstetrics-Gynecology and held that office until his retirement in 1995.

Dr. Thiede reached a level of national prominence that few only will attain. His honors include the Foundation Prize of the American Association of Obstetricians and Gynecologists (1959); Honorary Nurse Midwife, American College of Nurse Midwives (1974); Dr. Henry C. Buswell and Bertha H. Buswell Distinguished Service Fellow (1981); President, American Gynecological Travel Club (1984); Assistant Secretary/Secretary/President-Elect/President of The American Gynecological and Obstetrical Society (1984-1990).

Throughout his career, Dr. Thiede involved himself actively in advancing education within the field of Obstetrics and Gynecology. The committees of note that Dr. Thiede participated include Board of Directors of the American Board of Obstetrics-Gynecology (1974-1980) and Examiner until 1993; Residency Review Committee for Obstetrics-Gynecology (1977-1979); and Chair (1979-1982); Board of Directors, American Board of Emergency Medicine (1977-1979 and 1984-1990); numerous committees for The American College of Obstetricians and Gynecologists including liaison to NAACOG Testing Committee; Learning Resources Commission; Chair, Education Commission; Professional Standards Committee as Member and Chair; Consultant and Director of Technical Assistance to the National Fetal and Infant Mortality Review Committee.

In honor of his retirement, the Department solicited letters to be placed in a “memory book” to present to Dr. Thiede. Hundreds of letters were received. In reviewing the letters, the following key phrases were noted: gentleman, scholar, educator, role model, a man of integrity, and diplomacy, leader in his field, honesty, “Mr. Clean”, kind and caring, wise counsel, loyal, devoted to education, and excellent training. Many who wrote letters noted his significant contributions to and his influence on the following committees/organizations: The American Board of Obstetrics and Gynecology, The American College of Obstetricians and Gynecologists, The Residency Review Committee, and The American Gynecological and Obstetrical Society.

In reviewing the Department Annual Reports from 1974 to 1995, the following achievements were noted under his leadership:

- Full-time Faculty increased from 22 to 35.
- Part-time Faculty increased from 10 to 20.
- Residency Program increased from 23 to 39.
- Deliveries increased from 2668 to 3712 per year.
- GYN major surgeries (abdominal and vaginal) were 796 in 1975 and increased to 3061 in 1995.

His keen insight into health needs was felt on many levels. Dr. Thiede integrated three residency programs into the Affiliated Hospitals Program to improve residency education. He played a significant role in the development of midwifery and midwifery education in Mississippi and then extended that effort in Rochester. He instituted the Perinatal Data Collection Center which now is the transformed Regional Perinatal Database for our ten counties. He was considered a pioneer in the field of Urogynecology and opened the first urodynamics laboratory at Strong Memorial Hospital. Dr. Thiede organized the First Rochester Trophoblast Conference and edited the publications from that and subsequent meetings into the journal, Trophoblast Research. The Rochester Trophoblast Conference has evolved into the International Federation of Placental Associations. His efforts to nurture this field directly spawned international programs in Europe, Japan and Australia. The In-Vitro Fertilization program was launched in 1983; and the Spindler Birth Center in 1987. During his Chairmanship, three sub-specialty fellowships were instituted – Maternal-Fetal Medicine (1975); GYN Oncology (1986) and Urogynecology (1992).

Dr. Thiede’s national and international status was balanced by his understanding into the health needs in Rochester, New York and the importance of the field of obstetrics and gynecology in serving the underserved. As an acknowledgement of his leadership within the community, in 1992, Dr. Thiede organized an extensive and comprehensive community-wide meeting entitled “The Monroe County Obstetrical Access Task Force on Improving Services for Low Income Pregnant Women and Their Infants” to draw together representatives from all factions from women’s health care in the community. I was fortunate to have been invited to that meeting. Throughout the morning, small groups addressed many of the issues and provided suggestions for solutions which even now, nearly twenty years later, remain viable and well conceived. The issues identified then, in large part, remain the same today and Dr. Thiede’s carefully orchestrated and documented pathway to improve health care remains a part of my medical library. The role of the community health centers, the need for collaboration among hospitals, the health importance of recognizing the disparity among the poor and the central theme of education were but a few of the topics addressed.

When we reflect on those who have influenced our professional lives, we turn to individuals dedicated to improving medicine, public health and community welfare. Dr. Thiede has spent his entire career addressing these three areas. It is his shoulders upon which the success of our Department rests and for that we say thank you.

LISTING OF FACULTY

FULL-TIME FACULTY

Chair

James R. Woods, Jr., M.D.

Associate Chair for Academic Affairs

Fred M. Howard, Jr., M.D., M.S. (until 12/31/11)

Gunhilde Buchsbaum, M.D. (effective 1/1/12)

Associate Chair for Clinical Affairs

Eva K. Pressman, M.D.

Associate Chair for Education

Erin E. Duecy, M.D.

Professor

Cynthia L. Angel, M.D. (effective 7/1/12)

Gunhilde Buchsbaum, M.D. (effective 1/1/12)

Elizabeth M. Cooper, C.N.M., Ed.D.

Brent DuBeshter, M.D.

J. Christopher Glantz, M.D.

Diane M. Hartmann, M.D.

Henry M. Hess, M.D., Ph.D.

Kathleen M. Hoeger, M.D., M.P.H.

Vivian Lewis, M.D.

Richard K. Miller, Ph.D.

John T. Queenan, Jr., M.D. (effective 11/1/12)

Patricia M. Rodier, Ph.D. (deceased 5/3/12)

James R. Woods, Jr., M.D.

James R. Woods, Jr., Professor

Eva K. Pressman, M.D.

Professor Emeritus

Marvin S. Amstey, M.D.

David C. Foster, M.D., M.P.H.

Fred M. Howard, Jr., M.D.

Anthony H. Labrum, M.D.

Morton W. Miller, Ph.D.

Robert C. Tatelbaum, M.D.

Henry A. Thiede, M.D.

Adjunct Professor

Shanna H. Swan, Ph.D.

Associate Professor

Balasubramanian Bhagavath, M.D. (effective 10/1/12)

Adrienne D. Bonham, M.D.

Erin E. Duecy, M.D. (effective 9/1/12)

Constantino Fernandez, M.D.

Shawn P. Murphy, Ph.D. (effective 1/1/12)
Tulin Ozcan, M.D.
Ruth Anne Queenan, M.D., M.B.A.
Sireesha Y. Reddy, M.D. (terminated 10/19/11)
David E. Seubert, M.D., J.D. (effective 7/1/12)
Rajesh K. Srivastava, Ph.D. (effective 11/1/12)
Eugene P. Toy, M.D.

Adjunct Associate Professor

Marie A. Caudill, Ph.D., R.D.
Kimberly O. O'Brien, Ph.D.

Research Associate Professor

Christopher J. Stodgell, Ph.D.
Ronald W. Wood, Ph.D.

Assistant Professor

Emily S. Barrett, Ph.D.
Amy R. Benjamin-Pratt, M.D.
Sarah J. Betstadt, M.D., M.P.H.
Tara L. Gellasch, M.D. (effective 5/29/12)
Adam M. Griffin, M.D. (terminated 7/31/12)
David N. Hackney, M.D. (terminated 8/3/12)
Amy R. Harrington, M.D.
Monique Ho, M.D.
Katrina Fox Nicandri, M.D.
Sandy K.S. Perry, M.D. (effective 4/1/12)
Colby A.H. Previte, M.D.
Neil S. Seligman, M.D.
Rebecca L. Skovgaard, C.N.M., M.S.
Sajeena G. Thomas, M.D.
Loralei L. Thornburg, M.D.
Wendy S. Vitek, M.D. (effective 8/20/12)

Research Assistant Professor

Jay Reeder, Ph.D.
Richard W. Stahlhut, M.D., M.P.H.

Adjunct Assistant Professor

Thomas J. Guttuso, M.D. (effective 5/1/12)
Varuna Raizada, M.D. (effective 7/1/12)

Instructor

Miranda Harris-Glocker, M.D. (terminated 6/15/12)
Amber L. Rinderknecht, Ph.D. (terminated 2/28/12)

Adjunct Instructor

Arthur M. Dee, M.S.

Fellow

Jorge F. Carrillo, M.D. (effective 7/1/12)
Paula J. Doyle, M.D.
Dzhamala Gilmandyar, M.D.
Lisa M. Gray, M.D. (effective 7/1/12)
Kristin M. Knight, M.D. (terminated 6/30/12)
Miya P. Yamamoto, M.D. (terminated 6/30/12)
Paula E. Zozzaro-Smith, D.O.

Associate

Michele L. Burtner, C.N.M., M.S.
Kamali N. Carroll, Ph.D. (terminated 4/30/12)
Roberta S. DuBeshter, C.N.M., M.S.
Tammy L. Farnham, C.N.M., M.S.
Sheila A. Geen, C.N.M., M.S.N.
Elizabeth J. Heavey, Ph.D., M.S., C.N.M. (terminated 9/30/12)
Pamela Jurich Wright, C.N.M., M.S.
Heather R. Lane, C.N.M., M.S.
Carolyn E. Leja, C.N.M., M.S.
Jacqueline T. Nasso, C.N.M., M.S.
C. Jeanne Peterson, M.S.
Helene M. Thompson-Scott, C.N.M., M.S.
Jo A. Wrona, C.N.M., M.S.

Assistant

Yvonne R. Dougherty
Stephanie C. Laniewski, M.S.
Sarah B. Ludlow, C.N.M, M.S. (effective 6/18/12)
Laura A. Martin, M.S.
Melinda A.S. Pisaro, C.N.M., M.S. (effective 5/1/12)

FULL-TIME FACULTY WITH SECONDARY APPOINTMENT IN OBSTETRICS AND GYNECOLOGY

Therese A. Caffery, R.N., M.S.
Nurse Practitioner Nursing Practice, Clinical Associate School of Nursing and Instructor
Obstetrics and Gynecology

Linda H. Chaudron, M.D., M.S.
Professor Psychiatry, Obstetrics and Gynecology and Pediatrics

Steven H. Eisinger, M.D.
Clinical Professor Family Medicine and Obstetrics and Gynecology

Ruth A. Lawrence, M.D.
Professor Pediatrics and Obstetrics and Gynecology

Mary Gail Mercurio, M.D.
Professor Dermatology and Obstetrics and Gynecology

Melissa A. Mroz, M.D. (effective 7/16/12)
Senior Instructor Medicine and Obstetrics and Gynecology

Rachael H. Phelps, M.D. (effective 10/1/12)
Clinical Instructor Pediatrics and Obstetrics and Gynecology

Richard P. Phipps, Ph.D.
Professor Environmental Medicine, Pediatrics, Microbiology and Immunology, Obstetrics and Gynecology, Ophthalmology and of Pathology and Laboratory Medicine

Ellen L. Poleshuck, Ph.D.
Associate Professor Psychiatry (Psychology), Family Medicine and Obstetrics and Gynecology

Richard N. Wissler, M.D., Ph.D.
Professor Anesthesiology and Obstetrics and Gynecology

Amanat M. Yosha, M.D., M.P.H. (effective 7/1/12)
Clinical Instructor Family Medicine and Obstetrics and Gynecology

CLINICAL FACULTY AT STRONG MEMORIAL HOSPITAL

Clinical Professor

David L. Gandell, M.D.
Joseph J. Scibetta, M.D.
Elizabeth D. Warner, M.D.

Clinical Professor Emeritus

W. Patrick Bernal, M.D.
Richard E. Fullerton, M.D.
Robert A. Stookey, M.D.
Leslie A. Walker, M.D.

Clinical Associate Professor

Karen M. Duguid, M.D.
Dianne M. Edgar, M.D.
Jeffrey R. Fichter, M.D.
Peter L. Kogut, M.D.
Uma M. Penmetsa, M.D.
Deborah M. Rib, M.D.
Stephan R. Sanko, M.D.

Clinical Assistant Professor

Diane M. Cunningham, M.D.
William J. Harvey, M.D.
Georgette J. Pulli, M.D.
Marit B. Sheffield, M.D.

Clinical Senior Instructor

Beth M. Cerrito, Ph.D.

Clinical Instructor

Mary E. Ciranni-Callon, D.O.
Melissa A. Gunter, M.D.
Mitchell A. Linder, M.D. (effective 6/23/12)
Nancy E. McKnight, M.D.
Julie C. Sandruck, M.D.

Clinical Assistant

Wendy M. Featherstone, P.T.
Heidi L. Zielinski, C.N.M., M.S.

CLINICAL FACULTY AT HIGHLAND, ROCHESTER GENERAL AND OTHER AREA HOSPITALS**Clinical Professor Emeritus**

Gerard T. Guerinot, M.D.
Victor A. Poleshuck, M.D.

Clinical Associate Professor

Abraham Lichtmacher, M.D.
Richard C. Cherkis, M.D.
Rita A. Clement, M.D.
Marc H. Eigg, M.D.
Michael L. Jacobs, M.D.
Albert P. Jones, Jr., M.D.
Rahul Laroia, M.D.
Eufemia J.A. Mariano, M.D.
Coral L. Surgeon, M.D.
Raphael Tshibangu, M.D.
Morris Wortman, M.D.

Clinical Assistant Professor

Laureen A. Burke, M.D.
Susan E. Dantoni, M.D. (terminated 2/24/12)
Jane K. Doebelin, M.D.

Jeffrey B. Gordon, M.D.
Daniel W. Grace, M.D.
Marc S. Greenstein, D.O.
Jeanne E. Grove, D.O.
Rosalind A. Hayes, M.D.
Jacquelyn Cullen Howitt, M.D.
Waldemar Klimek, D.O.
Oona Lim, M.D.
Elizabeth D. Morningstar, M.D.
Patricia M. Newcomb, M.D.
Edward B. Ogden, M.D.
Roger M. Olander, M.D.
Carole J. Peterson, M.D. (terminated 4/30/12)
Leslie E. Purnell, M.D.
Muhammad S. Tariq Qureshi, M.D.
G. Theodore Ruckert, IV, M.D.
Earlando O. Thomas, M.D.
Madonna R. Tomani, M.D.
Maggie D. Vill, M.D.

Clinical Instructor

Darushe Anissi, M.D.
Rehan B. Asif, M.D.
Julius Avorkliyah, M.D.
Jeroo Bharucha, M.D.
M. Elizabeth Bostock, M.D.
Karen A. Bradley, M.D. (terminated 6/30/12)
Brianna M. Brandt-Griffith, M.D.
J. Steven Burkhart, M.D.
Paul A. Cabral, M.D.
Michelle L. Chin, M.D.
Joan Chisholm, M.D.
Benjamin R. Christensen, M.D.
Mary T. Cunnane, M.D.
Tripta Dass, M.D.
Tamara E. DiNolfo, M.D.
Wendy M. Dwyer-Albano, M.D.
Benjamin P. Fiorica, M.D.
Heather B. Florescue, M.D.
Donald J. Gabel, M.D.
Kelly A. Herron, M.D.
Michelle M. Herron, M.D.
Haldipur V. Janardhan, M.D.
Angel L. Kerney, M.D. (terminated 11/30/11)
Judith E. Kerpelman, M.D.
Mark S. Levine, M.D.
Michael R. Mirwald, M.D. (retired 6/30/12)
M. Jamil Mroueh, M.D.
Marcy C. Mulconry, M.D.
M. Raymond Naassana, M.D.

Johann Piquion Joseph, M.D., M.P.H.
Sraddha S. Prativadi, M.D.
Colleen A.L. Raymond, M.D. (terminated 6/30/12)
Kathleen Robischon, M.D.
Maureen R. Slattery, M.D.
Katherine Stouter Lammers, M.D.
Thomas R. Sweeney, M.D.
Derek J. tenHoopen, M.D.
Samuel E. Tripp, M.D.
Richard Urban, M.D.
Megan B. Vaules, M.D.
Catalina M. Vial, M.D.
Amanda J. Victory, M.D.

Clinical Assistant

Marilyn S. Brooks, R.N.C., M.S.N., C.N.M.
Sandra A. Fischer, W.H.N.P., C.N.M., M.S.
Rosemary L. Janofsky, M.S.N., C.N.M.
Margaret L. LaPierre, C.N.M., M.S., W.H.N.P.
Martha D. Thompson, M.S.N., C.N.M., W.H.N.P.
Heidi L. Zielinski, C.N.M., M.S.

OBSTETRICS AND GYNECOLOGY HOUSESTAFF

OUTGOING CHIEF RESIDENTS

Jillian Babu, MD

Canandaigua Medical Group PC
335 Parrish Street
Canandaigua, NY 14424

Lori Homa, MD

University of Michigan
Dept. of Ob/Gyn
REI Fellowship
1500 E. Medical Center Dr.
L4510 Women's Hospital
Ann Arbor, MI 48109-5276

Holly Sato, MD

Women's Cancer Care of Seattle
1560 N. 115th St.
Medical Office Bldg., Suite 101
Seattle, WA 98133

Nigel Campbell, MD

Moscow Pullman Ob/Gyn
1205 SE Professional Mall Blvd
Suite 102
Pullman, WA 99163-5423

Mitchell Linder, MD

RGOA
125 Lattimore Road
Rochester, NY 14620

JoAnna Wawrzycki, MD

Rutland Regional Women's
Healthcare
147 Allen St.
Rutland, VT 05751

Lisa Gray, MD

University of Rochester Medical Center
Dept. of Obstetrics and Gynecology
Maternal Fetal Medicine Fellowship
Division of Maternal Fetal Medicine
601 Elmwood Avenue Box 668
Rochester, NY 14642

Lisbeth Murphy, MD

Bedford Commons Ob/Gyn
201 Riverway Place
Bedford, NH 03110

PGY4 (2012/2013)

Brandy Becker, MD
Leigh Berven, MD
Susan Bradford, MD

Jennifer Myers, MD
Maureen Perdue, DO
Christopher Schwartzburg, MD

Holly Stevens, MD
Natalie Whaley, MD

PGY3 (2012/2013)

Emily Campito, MD
Elizabeth Fountaine, MD
Kristin Klosterman, MD

Amy Hoeft MacDonald, MD
Courtney Olson-Chen, MD
Brittany Paivanas, MD

Smitha Vilasagar, MD

PGY2 (2012/2013)

Pakeeza, Alam, MD
Kristen Burhans, MD
Rachel Flink-Bochacki, MD

Katina Foster, MD
Charisse Loder, MD
Marwa Ibrahim, MD

Jaclyn Morrison-Cole, MD
Emily Thompson, MD
Jill Uyenishi, MD

INTERNS (2012/2013)

Snigdha Alur, MD
Corrie P. Anderson, DO, MA
Jennifer Fichter, MD

Megan Locher, MD
Laura K. Melcher, MD
Amy E. Nosek, MD

Chinedu K. Nwabuobi, MD, MS
Raksha Soora, MD

FACULTY ACTIVITIES

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2011 - June 30, 2012

ADMINISTRATIVE ACTIVITIES

Cynthia L. Angel, M.D.

Hospital and Medical School:

1. Gynecologic Oncology Disease Specific Certification at Highland Hospital
2. Clinical Service Quality Committee for East 5 at Highland Hospital
3. Gynecologic Peer Review Committee at Highland Hospital

Community:

1. Medical Resource Counsel of Gilda's Club of Rochester
2. Board Member of the Cancer Wellness Connections
3. Adjunct Professor at Rochester Institute of Technology

Emily S. Barrett, Ph.D.

Hospital and Medical School:

1. Departmental Reviewer for the Research Subjects Review Board
2. Co-Director of the Office of Research Administration

Amy R. Benjamin-Pratt, M.D.

Hospital and Medical School:

1. Ambulatory Electronic Medical Record-Subject Matter expert and Superuser
2. GYN OR Committee
3. OR QA Council

Sarah J. Betstadt, M.D.

Hospital and Medical School:

1. Teaching:
 - a. Course Director for Family Planning Elective (OBG 622)
 - b. Gave two resident lectures on Short Term and Long Term Contraception (each with case studies afterwards) to residents
 - c. Lead the "papaya" workshop for Medical Students for Choice February 2011
 - d. Gave Contraception/Abortion Lectures to RIT Physician Assistant Students, March 2012
 - e. PI for Resident Research Projects (3 projects, 2 with upcoming regional/national presentations) The PIP Study: Improving rates of postpartum IUD placement with prescheduled appointments, Patients Perception of Contraceptive Safety
 - f. Course coordinator for Family Planning Primary Care Clerkship (for second year medical students)
2. Ob/Gyn representative, Medical Staff Council Committee

3. Patient Family Centered Care Committee

Adrienne D. Bonham, M.D.

Hospital and Medical School:

1. Division Director for General Obstetrics and Gynecology
2. Associate Residency Director
3. Director, Resident education curriculum
4. Advisory Committee on Education in Ob/Gyn
5. Ob/Gyn Leadership Committee
6. Ob/Gyn Resident Council Committee
7. Women's Health Practice Advisory Board Committee
8. Teaching:
 - a. 2nd year clerkship: Menopause and Breast and Pelvic Exams
 - b. Resident lectures:
 - Treatment strategies for menopausal symptoms
 - Billing and Coding I, II
 - Cytology and Cervical Pathology
 - Principles of Colposcopy

Gunhilde Buchsbaum, M.D.

Hospital and Medical School:

1. Division Director Urogynecology
2. Fellowship Director Female Pelvic Medicine and Reconstructive Surgery
3. Associate Chair for Academic Affairs (since January 1, 2012)
4. SMH Robotic Surgery Committee
5. Co-chair CME course "The Uniqueness of Women's Health"

National/International:

1. Peer Reviewer:
 - a. American Journal of Obstetrics & Gynecology
 - b. Anesthesia & Analgesia
 - c. British Journal of Obstetrics & Gynecology
 - d. International Urogynecology Journal
 - e. Neurourology and Urodynamics
 - f. Obstetrics & Gynecology

Erin E. Duecy, M.D.

Hospital and Medical School:

1. Associate Chair for Education in Obstetrics and Gynecology
2. OB-GYN Residency Education Program Director
3. Director, Surgical Simulation for Obstetrics and Gynecology Residency Program
4. Faculty Facilitator, Outpatient Urogynecology Rotation for Ob-Gyn. Urology and Family Medicine residents and visiting residents and students.

Tammy L. Farnham, C.N.M., M.S.

Hospital and Medical School:

1. Assisting with practice's billing/coding and claim follow up and attending billing meetings
2. Updating practice's website
3. Erecord Super User and Subject Matter Expert for the practice
4. Interviewing OBGYN Residency candidates
5. Preceptor for nurse-midwifery students and involved with residency training
6. Perinatal Review Committee monthly meetings/case review

Community:

1. Speaker at MOD Mothers to be breakfast
2. Participant in Women's Health Golf Classic

Constantino Fernandez, M.D.

Hospital and Medical School:

1. Spanish-Pediatric-Obstetrics and Gynecology Elective

Community:

1. Anthony Jordan Health Center Attending physician
2. 2020 Performance Commission
3. Latino Health Coalition
4. Community Advisory Council (CAC) committee
5. Collaborative Community Partnership (CCP)
6. African-Latino Conference

National/International:

1. OB/GYN Volunteer Physician. International Medical Alliance (IMA) Medical Mission to Esteli, Nicaragua, August 2011
2. National Hispanic Medical Association
3. National Hispanic Medical Association [NHMA} NHMA membership Committee
4. NHMA National 16th Annual Conference Committee

Tara L. Gellasch, M.D.

Hospital and Medical School:

1. Medical Director of the Women's Health Practice starting May 29, 2012

J. Christopher Glantz, M.D.

Hospital and Medical School:

1. Director of Regional Perinatal Outreach

2. Patient Safety and Risk Management Committee
3. Course Director, Fourth Year Medical Student Electives in Maternal-Fetal Medicine, General OB-GYN, and Ambulatory OB-GYN

Community:

1. NYS Perinatal Quality Collaborative
2. Director, Statewide Perinatal Data System (SPDS), Finger Lakes Region

National/International:

1. General OBGYN board examiner, American Board of Obstetricians and Gynecologists
2. March of Dimes “Big 5” Committee on Prematurity Prevention
3. ACOG District II Task Force on Elective Delivery <39 Weeks, 2011-present
4. Editorial Consultant for:
 - a. Birth
 - b. Obstetrics and Gynecology
 - c. American Journal of Obstetrics and Gynecology
 - d. Journal of the American Medical Association
 - e. Journal of Maternal-Fetal and Neonatal Medicine
 - f. Paediatric and Perinatal Epidemiology

David N. Hackney, M.D, M.S.

Hospital and Medical School:

1. Block director: “Reproductive Diseases”, Disease Processes and Therapeutics
2. Coordinator of clinical grants: MFC trainee travel grants
3. Departmental representative to Medical Faculty Counsel

National/International:

1. SMFM “Literature Alert” member/reviewer

Amy R. Harrington, M.D.

Hospital and Medical School:

1. Ob/Gyn third year clerkship SMH site coordinator

Diane M. Hartmann, M.D.

Hospital and Medical School:

1. Senior Associate Dean of Graduate Medical Education and Designated Institutional Official
2. Chair, Graduate Medical Education Committee
3. Steering Committee Member, Patient & Family Centered Care Group
4. Center for Innovative Education Steering Committee

National/International:

1. Invited Member ACGME Clinical Learning Environment Review (CLER) Committee
2. Invited Member AAMC Advisory Panel on Medical Education
3. Invited Participant 2011 Josiah Macy, Jr. Foundation Conference, “Reforming Graduate Medical Education to Meet the Needs of the Public.”
4. Steering Committee Member, Obstetrics and Gynecology Milestone Group, Co-Sponsored by the ACGME, ACOG, and ABOG
5. Chair, Council on Residency Education in Obstetrics and Gynecology
6. Board of Directors Member, American Board of Obstetrics and Gynecology
7. Chair, Maintenance of Certification Committee, American Board of Obstetrics and Gynecology
8. Residency Review Committee Member, ACGME RRC for Obstetrics/Gynecology
9. Executive Council Member, Council on Resident Education in Obstetrics and Gynecology
10. Council on Resident Education in Obstetrics and Gynecology representative to the Organization of Program Directors (OPDA) of the Council of Medical Specialty Societies (CMSS)
11. Oral Board Examiner, American Board of Obstetrics and Gynecology
12. Chair “Road to Maintaining Excellence” program - Office Practice Section - American College of Obstetrics and Gynecology
13. Chair of Task Force on Competency Based Education, Council on Resident Education in Obstetrics and Gynecology
14. GME Leadership Development Course Design Team Member, American Association of Medical Colleges
15. Governor’s Appointment, New York State Council on Graduate Medical Education (COGME)
16. Faculty for Program Directors' School, Council on Resident Education in Obstetrics and Gynecology
17. Advisory Board, UPDATE: Continuing Education for the Obstetrician/Gynecologist, American College of Obstetrics and Gynecology

Henry M. Hess, M.D., Ph.D.

Community:

1. Board of Directors, RCIPA

National/International:

1. Chairman, Membership Committee, North American Menopause Society

Monique Ho, M.D.

Hospital and Medical School:

1. Site Official/Director, Highland Hospital Family Medicine Rotation in Reproductive Genetics
2. Director, Division of Reproductive Genetics
3. Chair, OB/GYN subcommittee, Laboratory Diagnostics Committee

4. Chair, Prenatal Diagnosis Committee
5. Lab and Path Medicine Maternal Screening Group
6. Acting OB/GYN Representative, Hospital Laboratory Diagnostics Committee
7. Chair, OB QA Committee
8. Teaching:
 - a. Resident Research Mentor, PGY 2
 - b. Recurring Lecture, PTH 530, University of Rochester Graduate Education; "Embryonic and patient-specific pluripotent stem cells as models for determining embryotoxicity"
 - c. Recurring Lecture, PTH 510, University of Rochester Graduate Education, "Pathology of the Female Genital System"
 - d. Recurring Lecture, Molecules to Cells Course, School of Medicine and Dentistry; "Genetic screening and diagnosis in pregnancy"

Kathleen M. Hoeger, M.D.

Hospital and Medical School:

1. Medical School Steering Advisory Committee
2. Human Stem Cell Research Oversight Committee
3. Advisory Committee on Education, Dept of OB/GYN

National/International:

1. Endocrine society Clinical practice guidelines committee for PCOS
2. Member of the FDA, Special Advisory Committee for Reproductive Health Drugs

Fred M. Howard, Jr., M.D.

Hospital and Medical School:

1. Assistant Director, Scibetta Fellowship in Advanced Laparoscopic Surgery
2. Leadership Group, Obstetrics & Gynecology
3. ACE Committee, Obstetrics & Gynecology

National/International:

1. Chairman of the Board, International Pelvic Pain Society
2. Board of Directors, International Society of Gynecological Endoscopy
3. Editorial Advisory Board, The Journal of Minimally Invasive Gynecology
4. Medical Advisory Board, Interstitial Cystitis Association
5. Board of Directors, The Council of Gynecologic Endoscopy

Heather R. Lane, C.N.M., M.S.

Hospital and Medical School:

1. HH FMC Clinical Service Quality Committee

Vivian Lewis, M.D.

Hospital and Medical School:

1. Clinical Translational Science Institute- Chair of Mentor Development Committee Health and Wellness Committee

Community:

1. United Way's Women's Leadership Council
2. WXXI- Board of Directors

National/International:

1. Task Force on Health Careers for the Deaf and Hard of Hearing

Morton W. Miller, Ph.D.

National/International:

1. Technical Consultant. National Council on Radiation Protection and Measurements (NCRP), Bethesda, MD. NCRP Committee 1-16. Topic: Uncertainties in the estimation of radiation risks and probability of disease causation. Draft 370 pp. To be published in 2012 as an NCRP Report.

Richard K. Miller, Ph.D.

Hospital and Medical School:

1. Director, PEDECS – NY Teratogen Information Service
2. Associate Director, URMIC Clinical Laboratories
3. National Children's Study Team at UR
4. ad hoc University Committee on Hydrofracking Studies
5. Teaching:
 - a. Teaching Committee for Process of Discovery (4th Year Medical)
 - b. Course Master, Toxicology 530 – Reproductive and Developmental Toxicology
 - c. Section Leader, Toxicology 522 – Reproductive and Developmental Toxicology
 - d. Mentor for PhD/MD – Aisha Siebert, MS – UR; Jorien Sanderink – University of Nijmegen, the Netherlands; Kathryn LaRusso – Michigan State University; Jonathan Fricke – UR; High School - Nicole Welling – Greece Athena Senior
 - e. PhD Committee - Meghan Bushway and Ian Perry, UR

Community:

1. Lead Consultant, Rochester Public Market Women's Health Fair – Lead Screening for Women
2. New York State Committee on Lead Screening
3. Board of Directors, Pittsford Musicals

National/International:

1. Chair, ENTIS-OTIS International Research Committee (Organization of Teratology Information Specialists)
2. Scientific Review Board, National Institutes of Health - TERIS, Teratology Information Computer System
3. OTIS Research Committee, (Organization of Teratology Information Services)
4. Environmental Protection Agency Committee on Prenatal Partnership on Environmental Health
5. Society of Toxicology, Research Funding Committee
6. Ad Hoc, Study Section Reviewer, NIH
7. Pregnancy and Neonate SubCommittee of the NIH-WHO Committee on Health Burden of Indoor Air Pollution (IAP) on Women and Children in Developing Countries.
8. Organizing Committee, XIII Meeting of the International Federation of Placenta Associations – Hiroshima, Japan, 2012
9. Scientific Advisory Board, US National Ribavirin Pregnancy Registry
10. Organizing Committee for National Children’s Study Research Program at the Teratology Society.
11. Education Committee, Teratology Society
12. Teaching Faculty, 2012 Education Course, Teratology Society

Shawn P. Murphy, Ph.D.

Hospital and Medical School:

1. Faculty Performance Committee, Department of Obstetrics and Gynecology
2. Graduate Student Admissions Committee, Department of Microbiology and Immunology

Katrina F. Nicandri, M.D.

Hospital and Medical School:

1. Coordinator of Gyn Quality Assurance committee
2. M&M presenter/coordinator
3. Robotic surgery committee
4. Faculty Performance committee

Tulin Ozcan, M.D.

Hospital and Medical School:

1. Director Of Perinatal Ultrasound Laboratory
2. Director of Resident High Risk Pregnancy Clinic

National/International:

1. ACOG District II Preterm Birth Task Force

C. Jeanne Peterson, M.S.

Hospital and Medical School:

1. Supervisor and Clinical Coordinator, Reproductive Genetics
2. Clinical Coordinator, Maternal Serum Screening Program
3. Coordinator, Perinatal Support Continuity Clinic
4. Cytogenetics Laboratory Quality Improvement Committee Member
5. Prenatal Diagnosis Committee Member

Community:

1. Advisory Committee, Rochester Fertility Care, Unity Health

Eva K. Pressman, M.D.

Hospital and Medical School:

1. Director, Maternal Fetal Medicine and Obstetrics
2. Director, Maternal Fetal Medicine Fellowship Program
3. Clinical Council Member
4. OB Service Team Member
5. OB/Gyn Quality Assurance Committee Member
6. OB/Gyn Education Committee (ACE) Member

Community:

1. FF Thompson Hospital Perinatal Outreach

National/International:

1. ACOG Obstetrics Practice Committee
2. USMLE OB/Gyn Step 2 Item Writing Committee
3. Adjunct Associate Professorship, Division of Nutritional Sciences, Cornell University
4. MCIC OB Leadership Committee

John T. Queenan, Jr., M.D.

Hospital and Medical School:

1. Director, Oocyte Donation Program, Division of Reproductive Endocrinology
2. Director of Andrology, Strong Fertility Center.
3. Director, Preimplantation Genetic Diagnosis. Initiated the Preimplantation Genetic Diagnosis Program at Strong Fertility and Reproductive Science Center.
4. Education Committee
5. Teaching:
 - a. Faculty Advisor: Ob/Gyn Student Interest Group. Coordinate monthly lectures to 1st and 2nd year students. Arrange early clinical exposure to our field via “shadowing” program. Foster interest in Ob/Gyn for URMC medical students. Since starting this

project, the number of students who choose Ob-Gyn residencies at URMC has more than doubled.

- b. Clerkship Director, Obstetrics and Gynecology 620: Reproductive Endocrinology
- c. Preceptor. Surgical Skills Laboratory for Ob/Gyn Interns
- d. Lecturer:
 - 1. Reproduction Section. Disease Processes and Therapeutics 2.
 - 2. “Choosing Sperm, Choosing Eggs.” Molecules to Cells.
 - 3. Basic Science Course: Fertilization and Human Embryo Implantation. From Genes to Generations. Double Helix Curriculum
 - 4. ACE Clerkship Curriculum. Department of Obstetrics and Gynecology
 - 5. Internal Medicine Residents, Core Curriculum

National/International:

- 1. Scientific Program Co-chair, 2011 Annual District II Meeting, American Congress of Obstetrics and Gynecology, New York, NY, October 28-29, 2011
- 2. Medical Advisory Board, Jones Institute for Reproductive Medicine, Norfolk, VA.
- 3. Panel of Experts, ICD-11 Task Force, World Health Organization, Geneva, Switzerland.
- 4. Communications Committee, ACOG District 2.
- 5. Course Faculty, ACOG CPT Coding Course, August 5-8, 2010.
- 6. Mentor and Invited Speaker, Society of Reproductive Endocrinology and Infertility Fellows Retreat. Park City, Utah. August 1-3, 2011.
- 7. Course Faculty, ACOG District II Annual Meeting, New York, NY Oct 29-31, 2010.
- 8. Course Director, Postgraduate course: Coding for Reproductive Endocrinology Practices. American Society for Reproductive Medicine, Annual Clinical Meeting, Oct 24, 2010
- 9. Ad hoc Editor, Fertility and Sterility
- 10. Reviewer/Referee, Obstetrics and Gynecology
- 11. External reviewer, American Journal of Obstetrics and Gynecology
- 12. External reviewer, Journal of Reproductive Medicine
- 13. Chairman, Coding Committee, American Society for Reproductive Medicine, Birmingham, AL. Speaker’s Bureau, Schering-Plough, Schering Corporation, Kenilworth, NJ.
- 14. Mentor, ACOG Mentor Program.
- 15. CPT Advisory Committee, American Medical Association. Chicago, IL
- 16. Sub-specialty Liaison, CPT/Coding Committee, American College of Obstetrics and Gynecology, Washington, DC

Rajesh K. Srivastava, Ph.D.

Hospital and Medical School:

- 1. Basic Science teaching “IVF Preview” to 3rd year medical students at URMC each quarter.
- 2. Establishment of a new Andrology Laboratory in the Department of Pathology and acting its Off-site laboratory Director.
- 3. Teaching and Demonstration Medical students and Ob-Gyn residents who rotates through REIU division about In Vitro Fertilization (IVF) and andrology procedures.
- 4. Mentored a faculty member (Kamali Carroll, Ph.D) at REIU in learning IVF and andrology.
- 5. Establishment of an “Oocyte cryopreservation” program at Strong Fertility center to be

- utilized especially for fertility preservation patients.
6. Collaborated with a faculty member, Dr. Aritro Sen from Division of Endocrinology at URMC on detecting the expression of Cocaine-and amphetamine-regulated (CART) transcript in human granulosa-lutein cells from IVF patients at different body mass index (BMI).
 7. Coordinated and supervised the onsite visit and inspection of “IVF success rates” by a team from CDC and Society of Assisted Reproductive Technology (SART) in May, 2012.

Richard W. Stahlhut, M.D., M.P.H.

National/International:

1. Population Health planning committee for the American College of Preventive Medicine national meeting 2013.

Christopher J. Stodgell, Ph.D.

Hospital and Medical School:

1. Faculty Senate
2. Vice-Chair, Institutional Committee on Animal Resources
3. Medical School Admissions
4. Teaching: Lectures in Tox 522 (Developmental and Reproductive Toxicology); Tox 530 (Reproductive Toxicology; New Lecture) Lectures in Tox Medical School Women’s and Children’s Health 3rd year Clerkship (Teratology);

National/International:

1. Chair Web Committee, Teratology Society
2. Teratology Strategic Planning Committee Member
3. Chaired genetics section for a Special Symposium of the National Children’s Study at the Teratology Society Annual Meeting
4. Member of the Congressionally Mandated Research Program’s Autism Research Integration Program Committee

Loralei L. Thornburg, M.D.

Hospital and Medical School:

1. Executive Committee, Academic Research Tract (ART)
2. Education Committee Maternal-Fetal Medicine Fellowship program
3. Director Resident Research
4. Co-director Thursday Perinatal Fellows Education and Research Seminar
5. Medical Associate Editor, Perifacts

Community:

1. Steering Committee Finger Lakes Regional Perinatal Data System

2. Co-director Regional Perinatal Forum, 1/2010 – 9/2011 (dissolved by State of NY Sept 2011)

National/International:

1. Research and Innovation Committee for Nuchal Translucency Quality Review

Eugene P. Toy, M.D.

Hospital and Medical School

1. Cancer Center Protocol Review Committee, Wilmot Cancer Center
2. American College of Surgeons, Cancer Staging Subcommittee, Strong Memorial Hospital/Highland Hospital
3. Cancer Center Quality Assurance Committee, Strong Memorial Hospital/Highland Hospital

Ronald W. Wood, Ph.D.

Hospital and Medical School:

1. Support of high resolution ultrasound and nearIR imaging facilities; Amira imaging software site license technical contact; LISTSERV (<https://lists.rochester.edu>) evangelist

James R. Woods, Jr., M.D.

Hospital and Medical School:

1. ACOG Advisory Council/ACOG Patient Safety Committee
2. Advisory Committee on Education (ACE) – Obstetrics & Gynecology
3. Clinical Chiefs
4. Clinical Quality Subcommittee
5. Chair of Council of Clinical Chairs
6. MCIC OB Clinical Leadership Committee
7. MEDSAC
8. MEDSAC Steering Committee
9. Strong Credentials Committee
10. URMFG Executive Committee
11. URMFG Q1 Subcommittee

Community:

1. Anthony Jordan Health Center Ob/Gyn Clinic
2. Patient Safety Initiative Meetings
3. Women's Health Center Advisory Council
4. 4th Annual Women's Health Screening at eh Public Market
5. 2nd Annual Women's Health Golf Classic

National/International:

1. Chief Editor of Peri-FACTS, a national e-journal for obstetric care providers. This e-journal is published by the Department of Obstetrics and Gynecology and reaches over 600 hospitals and 270 colleges in the United States.
2. Consumer Reports Medical Advisory Board

GRANT SUPPORT

This is a list of the current active grants in the Ob/Gyn department. Grants are included if the budget year begins during the report year, or if the project ends in the report year, and if the PI is a faculty member. The costs listed are total costs and include any indirect costs.

Emily S. Barrett, Ph.D.

Title: Prenatal Androgens and PCOS
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$14,999
Project Period Effective Dates: 01/01/12 – 12/31/13
Budget Year Funding: \$14,999
Budget Year Effective Dates: 01/01/12 – 12/31/13
Faculty Percent Effort: 4%

Sarah J. Betstadt, M.D.

Title: Kenneth J. Ryan Residency Training Program in Abortion and Family Planning
Source of Funding: Anonymous
Project Period Funding: \$80,003
Project Period Effective Dates: 09/01/10 – 08/31/12
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 09/01/11 – 08/31/12
Faculty Percent Effort: 4%

Gunhilde Buchsbaum, M.D.

Title: Ultrasound Findings of Urethral Sphincter Complex in Women With and Without Stress Urinary Incontinence: A Case Control Study
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$10,068
Project Period Effective Dates: 02/01/05 – 01/31/13
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 01/01/12 – 01/31/13
Faculty Percent Effort: 3%

Title: Female urethral sphincter complex: a validation study comparing three & four dimension ultrasound and magnetic resonance imaging
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$11,500
Project Period Effective Dates: 01/01/12 – 12/31/13
Budget Year Funding: \$11,500
Budget Year Effective Dates: 01/01/12 – 12/31/13
Faculty Percent Effort: 3%

Brent DuBeshter, M.D.

Title: Ph III, Open Label, Randomized, 2 arm Study of Ixabepilone Admin every 21 days vs Paclitaxel or Doxorubicin Admin every 21 days in Women w/Advanced...

Source of Funding: Bristol-Myers Squibb Co.

Project Period Funding: \$39,870

Project Period Effective Dates: 02/01/10 – 01/31/13

Budget Year Funding: \$4,325

Budget Year Effective Dates: 02/01/10 – 01/31/13

Faculty Percent Effort: 3%

David C. Foster, M.D.

Title: A Natural History Study of Skin Color Genetics, Yeast and Chronic Genital Pain

Source of Funding: Richard W. and Mae Stone Goode Foundation

Project Period Funding: \$10,000

Project Period Effective Dates: 03/01/07 – 02/28/13

Budget Year Funding: \$0 (no cost extension)

Budget Year Effective Dates: 02/28/12 – 02/28/13

Faculty Percent Effort: 3%

Title: Prevalence of epithelial to mesenchymal transition resulting from steroid treatment of Vulvar Lichen Sclerosus and Lichen Planus

Source of Funding: Richard W. and Mae Stone Goode Foundation

Project Period Funding: \$12,765

Project Period Effective Dates: 01/01/10 – 12/31/12

Budget Year Funding: \$0 (no cost extension)

Budget Year Effective Dates: 01/01/11 – 12/31/12

Faculty Percent Effort: 3%

Title: A controlled trial of gabapentin in vulvodynia: biological correlates of response

Source of Funding: NIH / University of Tennessee

Project Period Funding: \$475,926

Project Period Effective Dates: 03/01/11 – 02/28/15

Budget Year Funding: \$181,454

Budget Year Effective Dates: 03/01/12 – 02/28/13

Faculty Percent Effort: 10%

J. Christopher Glantz, M.D.

Title: New York State Perinatal Database - Fingerlakes Perinatal Region

Source of Funding: New York State Department of Health

Project Period Funding: \$915,232

Project Period Effective Dates: 04/01/09 – 03/31/14

Budget Year Funding: \$181,823

Budget Year Effective Dates: 04/01/12 – 03/31/13

Faculty Percent Effort: 15%

Title: The Effect of Clindamycin on Vaginal Group B Streptococcus Counts

Source of Funding: Richard W. and Mae Stone Goode Foundation

Project Period Funding: \$10,250
Project Period Effective Dates: 02/15/09 – 02/14/12
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 02/15/11 – 02/14/12
Faculty Percent Effort: 3%

Adam M. Griffin, M.D.

Title: Effects of Exogenous Antioxidants on Cyclophosphamide-induced Ovarian Toxicity
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$15,000
Project Period Effective Dates: 03/16/11 – 03/15/13
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 03/16/12 – 03/15/13
Faculty Percent Effort: 4%

Monique Ho, M.D.

Title: Culture and Differentiation of Second Trimester Amniotic Fluid-Derived Stem Cells
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$45,000
Project Period Effective Dates: 02/14/08 – 03/31/13
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 04/01/12 – 03/31/13
Faculty Percent Effort: 4%

Vivian Lewis, M.D.

Title: Researcher Resilience through Multidimensional Mentoring
Source of Funding: DHHS/PHS/NIH
Project Period Funding: \$1,986,573
Project Period Effective Dates: 09/30/10 – 08/31/13
Budget Year Funding: \$1,986,573
Budget Year Effective Dates: 09/30/12 – 08/31/13
Faculty Percent Effort: 30%

Richard K. Miller, Ph.D.

Title: Genetic and environmental factors in Fetal Growth Restriction: a rat model
Source of Funding: US-Israel Binat'l Sci Fnd
Project Period Funding: \$35,942
Project Period Effective Dates: 10/01/08 – 09/30/12
Budget Year Funding: \$7,500
Budget Year Effective Dates: 10/01/11 – 09/30/12
Faculty Percent Effort: 3%

Title: Nanoparticles in the Human Placenta: Toxicokinetics
Source of Funding: DHHS/PHS/NIH
Project Period Funding: \$152,735
Project Period Effective Dates: 07/01/09 – 09/30/11

Budget Year Funding: \$75,735
Budget Year Effective Dates: 07/01/10 – 09/30/11
Faculty Percent Effort: 5%

Title: Human placental toxicity of bisphenol: a pilot study
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$15,000
Project Period Effective Dates: 01/01/10 – 12/31/12
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 01/01/10 – 12/31/12
Faculty Percent Effort: 4%

Title: National Children's Study Formative Research Study: Project 18 - Placenta Study
Source of Funding: Mt. Sinai School of Medicine
Project Period Funding: \$1,202,272
Project Period Effective Dates: 09/01/10 – 03/10/13
Budget Year Funding: \$436,773
Budget Year Effective Dates: 03/11/12 – 09/06/12
Faculty Percent Effort: 44%

Shawn P. Murphy, Ph.D.

Title: Immune Gene Regulation in Human Trophoblast Cells
Source of Funding: DHHS/PHS/NIH
Project Period Funding: \$1,281,059
Project Period Effective Dates: 09/10/09 – 06/30/13
Budget Year Funding: \$304,686
Budget Year Effective Dates: 07/01/11 – 06/30/12
Faculty Percent Effort: 40%

Title: MHC class II antigen expression in trophoblast
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$15,000
Project Period Effective Dates: 01/01/09 – 12/31/11
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 01/01/11 – 12/31/11
Faculty Percent Effort: 1%

Title: Transfection of Primary Cells from Reproductive Tissues
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$15,000
Project Period Effective Dates: 10/01/09 – 09/30/12
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 10/01/11 – 09/30/12
Faculty Percent Effort: 1%

Title: Inhibition of IFN- γ Responses in Human Trophoblast Cells: Role in susceptibility to Infection by Intracellular Pathogens
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$43,000

Project Period Effective Dates: 01/01/11 – 12/31/13
Budget Year Funding: \$43,000
Budget Year Effective Dates: 01/01/11 – 12/31/13
Faculty Percent Effort: 3%

Tulin Ozcan, M.D.

Title: The Impact of Sera from Women with Inherited Thrombophilia and Adverse Pregnancy Outcome on Extravillous Trophoblast Differentiation
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$10,000
Project Period Effective Dates: 01/01/05 – 06/30/12
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 07/01/11 – 06/30/12
Faculty Percent Effort: 1%

Eva K. Pressman, M.D.

Title: The Infant Development and the Environmental Study (TIDES)
Source of Funding: Mt. Sinai School of Medicine / DHHS/PHS/NIH
Project Period Funding: \$575,315
Project Period Effective Dates: 08/15/09 – 05/31/14
Budget Year Funding: \$185,187
Budget Year Effective Dates: 06/01/12 – 05/31/13
Faculty Percent Effort: 4%

Title: Genetics and the Environment Associated with Male Reproduction (GEAR)
Source of Funding: University of Washington / DHHS/PHS/NIH
Project Period Funding: \$12,095
Project Period Effective Dates: 08/18/11 – 07/31/13
Budget Year Funding: \$5,958
Budget Year Effective Dates: 08/18/11 – 07/31/12
Faculty Percent Effort: 1%

Title: Effect of Maternal Obesity on Fetal Metabolism and Growth: A Pilot Study
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$10,000
Project Period Effective Dates: 12/01/05 – 08/31/12
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 09/01/10 – 08/31/12
Faculty Percent Effort: 1%

Title: NICHD National Children's Study (NCS) Study Centers, MY-NJ Study Center, Monroe County Study Location
Source of Funding: Mt. Sinai School of Medicine / DHHS/PHS/NIH
Project Period Funding: \$5,417,502
Project Period Effective Dates: 9/26/08 – 09/25/12
Budget Year Funding: \$109,245
Budget Year Effective Dates: 09/26/11 – 9/25/12
Faculty Percent Effort: 5%

Title: Determinants of neonatal iron homeostasis in women carrying multiples
Source of Funding: Cornell University / Gerber Foundation
Project Period Funding: \$205,883
Project Period Effective Dates: 07/21/11 – 05/31/14
Budget Year Funding: \$43,877
Budget Year Effective Dates: 07/21/11 – 05/31/12
Faculty Percent Effort: 2%

Title: Amniotic exosomes as predictive biomarkers for genitourinary anomalies
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$13,225
Project Period Effective Dates: 01/01/12 – 12/31/13
Budget Year Funding: \$13,225
Budget Year Effective Dates: 01/01/12 – 12/31/13
Faculty Percent Effort: 1%

Title: Vitamin D status impacts inflammation and risk of infections during pregnancy
Source of Funding: Cornell University / USDA
Project Period Funding: \$206,890
Project Period Effective Dates: 01/15/12 – 01/14/14
Budget Year Funding: \$62,194
Budget Year Effective Dates: 01/15/12 – 01/14/13
Faculty Percent Effort: 1.5%

Patricia M. Rodier, Ph.D.

Title: Gene-Environment Interactions in Teratogen-Induced Autism
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$28,208
Project Period Effective Dates: 01/01/10 – 12/31/12
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 01/01/10 – 12/31/12
Faculty Percent Effort: 4%

Richard W. Stahlhut, M.D., M.P.H.

Title: WP7: Long-term reproductive health effects of early exposure to mixtures of anabolics and other xenohormones through beef consumption.
Source of Funding: UNIV/Turku/EU
Project Period Funding: €133,332
Project Period Effective Dates: 05/01/08 – 04/30/12
Budget Year Funding: €0
Budget Year Effective Dates: 10/31/10 – 04/30/12
Faculty Percent Effort: 4%

Title: The effects of bariatric surgery on levels of persistent organic pollutants in women of childbearing age
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$30,000

Project Period Effective Dates: 03/16/11 – 03/15/13
Budget Year Funding: \$15,000 (supplemental funding)
Budget Year Effective Dates: 03/16/11 – 03/15/13
Faculty Percent Effort: 4%

Title: The association between prenatal phthalate exposure and childhood asthma symptoms
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$15,000
Project Period Effective Dates: 03/16/11 – 03/31/13
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 03/16/11 – 03/31/13
Faculty Percent Effort: 1%

Title: Prenatal Bisphenol A and Sexually Dimorphic Neurodevelopment
Source of Funding: DHHS/PHS/NIH
Project Period Funding: \$1,528,307
Project Period Effective Dates: 07/29/09 – 02/28/13
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 08/01/10 – 02/28/13
Faculty Percent Effort: 45%

Title: Concentrations of unmetabolized bisphenol A in central vs subcutaneous fat in adult decedents at autopsy
Source of Funding: Passport Foundation
Project Period Funding: \$26,390
Project Period Effective Dates: 12/01/11 – 12/31/12
Budget Year Funding: \$26,390
Budget Year Effective Dates: 12/01/11 – 12/31/12
Faculty Percent Effort: 4%

Christopher J. Stodgell, Ph.D.

Title: Gene Expression in Neural Tube Defects: Studies in the Cohen Rat Model
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$45,000
Project Period Effective Dates: 04/01/07 – 09/30/12
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 04/01/12 – 09/30/12
Faculty Percent Effort: 4%

Title: Integrated pathway analysis for genetic data
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$10,000
Project Period Effective Dates: 10/01/09 – 09/30/13
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 10/01/11 – 09/30/13
Faculty Percent Effort: 2%

Title: Training in statistical genetics
Source of Funding: Richard W. and Mae Stone Goode Foundation

Project Period Funding: \$3,000
Project Period Effective Dates: 01/01/10 – 12/31/12
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 01/01/11 – 12/31/12
Faculty Percent Effort: 2%

Title: Equipment proposal: Biotek epoch system spectrophotometer
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$10,000
Project Period Effective Dates: 01/01/12 – 12/31/12
Budget Year Funding: \$10,000
Budget Year Effective Dates: 01/01/12 – 12/31/12
Faculty Percent Effort: 0%

Title: Equipment proposal: thermocycler for reproductive research
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$3,495
Project Period Effective Dates: 11/01/10 – 10/31/11
Budget Year Funding: \$3,495
Budget Year Effective Dates: 11/01/10 – 10/31/11
Faculty Percent Effort: 0%

Sajeena G. Thomas, M.D.

Title: PT-207 a multicenter, post-market follow-up study of ChemoFx chemoresponse assay in solid tumors - ChemoFx registry study
Source of Funding: Precision Therapeutics, Inc.
Project Period Funding: \$23,400
Project Period Effective Dates: 11/15/11 – 11/14/15
Budget Year Funding: \$23,400
Budget Year Effective Dates: 11/15/11 – 11/14/15
Faculty Percent Effort: 1%

Loralei L. Thornburg, M.D.

Title: Serum Procalcitonin for Prediction of Chorioamnionitis in Preterm Premature Rupture of Membranes
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$10,000
Project Period Effective Dates: 04/01/08 – 03/31/12
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 04/01/11 – 03/31/12
Faculty Percent Effort: 4%

Title: Postpartum testing for diabetes mellitus in women with gestational diabetes mellitus
Source of Funding: Richard W. and Mae Stone Goode Foundation
Project Period Funding: \$12,000
Project Period Effective Dates: 01/01/10 – 12/31/12
Budget Year Funding: \$0 (no cost extension)
Budget Year Effective Dates: 01/01/10 – 12/31/12

Faculty Percent Effort: 2%

Ronald W. Wood, Ph.D.

Title: Murine slow onset outlet obstruction as a model of human voiding dysfunction

Source of Funding: DHHS/PHS/NIH

Project Period Funding: \$1,202,012

Project Period Effective Dates: 08/01/07 – 08/31/12

Budget Year Funding: \$0 (no cost extension)

Budget Year Effective Dates: 07/01/11 – 06/30/12

Faculty Percent Effort: 92%

Title: Novel Methods for the Study of Murine Voiding Dysfunction and Pelvic Anatomy

Source of Funding: Richard W. and Mae Stone Goode Foundation

Project Period Funding: \$10,000

Project Period Effective Dates: 02/14/08 – 03/31/13

Budget Year Funding: \$0 (no cost extension)

Budget Year Effective Dates: 04/01/12 – 03/31/13

Faculty Percent Effort: 2%

Title: Genetics of Spontaneous Pelvic Organ Prolapse in the Mouse

Source of Funding: SUNY Upstate / DHHS/PHS/NIH

Project Period Funding: \$23,175

Project Period Effective Dates: 07/01/11 – 06/30/13

Budget Year Funding: \$0 (no cost extension)

Budget Year Effective Dates: 07/01/12 – 06/30/13

Faculty Percent Effort: 1%

HONORS AND AWARDS

Sarah J. Betstadt, M.D., M.P.H.

1. CREOG National Faculty Teaching Award, April 2012
2. Co-PI ACOG Bedsider Grant awardee June 2012 (with Dr. Harrington)
3. Approval for No Cost Extension of Ryan Residency Training Grant Sept 2011

Gunhilde Buchsbaum, M.D.

1. Patient- and Family-Centered Care Award University of Rochester

Erin E. Duecy, M.D.

1. Patient and Family Centered Care Award University of Rochester Medical Center

Tammy L. Farnham, C.N.M., M.S.

1. NHSC loan repayment program awardee

Constantino Fernandez, M.D.

1. National Medical association recognition award for improving the health of Hispanic Women in the Rochester area.

David N. Hackney, M.D., M.S.

1. Patient and Family Centered Care Award University of Rochester Medical Center

Amy R. Harrington, M.D.

1. Awarded a \$10,000 ACOG grant (with Sarah Betstadt as co-awardee)

Monique Ho, M.D.

1. Excellence in Family and Patient-Centered Care University of Rochester Medical Center

Stephanie C. Laniewski, M.S.

1. Strong Stars - Patient citation awarded for excellence in clinical care

Richard K. Miller, Ph.D.

1. Bock Prize in Developmental Biology and Child Health- De Nemours Foundation, September, 2011
2. Fellow, Academy of Toxicological Sciences, recertified

3. Clinical Laboratory Director, recertified State of New York,

John T. Queenan, Jr., M.D.

1. Strong Stars - Patient citation awarded for excellence in clinical care
2. America's Top Obstetricians and Gynecologists, Consumer Research Council of America
Washington, DC

Rajesh K. Srivastava, Ph.D.

1. Awarded Clinical Consultant (CC) certification in 2012 from American Board of
Bioanalysis (ABB), St Louis, MO

Loralei L. Thornburg, M.D.

1. Best Outside Lecture/Speaker Award – Department of Emergency Medicine
2. George W. Corner Dean's Teaching Fellow, selected March 2010 for Sept 2010-Sept 2012.

James R. Woods, Jr., M.D.

1. Award for "Best Doctors" 2011-2012.

PRESENTATIONS AT NATIONAL AND REGIONAL MEETINGS

Sarah J. Betstadt, M.D.

1. Murphy LA, Glantz JC, Thornburg LL, Wasserman E, Stanwood NL, Betstadt SJ: "Complications of Surgical Termination of Pregnancy in Obese Versus Non-obese Women" as poster presentation at Association of Reproductive Health Professionals in Las Vegas, NV, September 2011.
2. Panelist, "Professionalism: unsupportive colleagues" Family Planning Fellowship Psychosocial Workshop in San Francisco, CA, March 2012.
3. Regional Perinatal Forum Speaker, "Abortion: Facts and Fiction" in Penn Yan, NY, September 2011.

Gunhilde Buchsbaum, M.D.

1. "Bowel Function after Minimally Invasive Urogynecologic Surgery: A Prospective Randomized Controlled Trial" at American Urogynecologic Society (AUGS) 32nd Annual Scientific Meeting in RI, September 2011.
2. "Prevalance of urinary incontinence and pelvic organ prolapse in women with gynecologic cancers" as Poster Presentation at International Urogynecological Association (IUGA) 36th Annual Meeting in Lisbon, Portugal, June 2011.

Erin E. Duecy, M.D.

1. Raizada VR, Dolan JG, Duecy EE: "Cost effectiveness analysis of clinical strategies used to manage stress urinary incontinence at the time of repair of pelvic organ prolapse in women" as Oral Poster at 107th Annual Meeting of the American Urological Association in Atlanta, GA, 2012.
2. Raizada V, Duecy E, Dolan J: "Clinical decision analysis study for evaluating the managing stress urinary incontinence at the time of repair of pelvic organ prolapsed" as non-oral Poster at 38th Annual Scientific Meeting of the Society of Gynecologic Surgeon's, Baltimore, MD, 2012.

Constantino Fernandez, M.D.

1. Global Medicine: Mission on Esteli, Niagaragua 2011 to improve the Health of the under-serve, Community education and Up To Date in OB/GYN for providers in the area. Also presented to Catholic Physician in the Medical Society.

J. Christopher Glantz, M.D.

1. Sikka S, Ahluwalia PK, Glantz JC, Sugarman SG, Schultz BA: “Effectiveness of Laparoscopic Vaginal Apex Resection” as Oral presentation at the American Association of Gynecologic Laparoscopists 40th Global Congress in Hollywood, FL, 2011.
2. McNanley A, Perevich M, Glantz C, Duecy E, Flynn M, Buchsbaum G: “Bowel Function after Minimally Invasive Urogynecologic Surgery: A Prospective Randomized Controlled Trial” as Oral presentation at the 32nd Annual Scientific Meeting of the American Urogynecological Society, Providence, RI, 2011.
3. Gilmandyar D, Paivanas B, Hoefl-MacDonald A, Jensen T, Brown O, Glantz JC, Pressman EK, Thornburg LT: “Timing of Delivery of the Anomalous Fetus—Effects on Neonatal Outcome” as Poster presentation at Society for Maternal-Fetal Medicine 32nd Annual Meeting, Dallas, TX, 2012.

David N. Hackney, M.D., M.S.

1. Schwartzenburg C, Gilmandyar D, Thornburg LL, Hackney DN: “Pregnancy Outcomes of Women with Failure to Retain Rubella Immunity” as Poster Presentation at Society for Gynecologic Investigation, April 2012.
2. Gilmandyar D, Knight K, Perdue M, Brown O, Jensen T, Hackney DN, Pressman EK, Thornburg LL: “Is Obesity Associated with an Increased Rate of Fetal Growth Restriction?” as Poster Presentation at American Institute of Ultrasound in Medicine, March 2012.
3. Durie DE, Tirumala R, Hackney DN: “First and second trimester gestational weight gain and the risk of recurrent spontaneous preterm birth” as Poster Presentation at Society for Maternal Fetal Medicine annual meeting, February 2012.

Diane M. Hartmann, M.D.

1. “ACGME Next Accreditation System” at 2012 Council of University Chairs of Ob/Gyn in San Diego, CA, May 2012.
2. “I May Be a Little Late Starting My Residency: Amazing DIO Stories of Challenging Resident Situations” at AAMC 2012 GME Leadership Development Course, Part I, in Chicago, IL, April 2012.
3. “Educating Physicians for the 21st Century” as Banner Health System Visiting Professorship in Phoenix, AZ, April 2012.
4. “The Accreditation Site Visit: An In-Depth Look in 2012” at ACGME 2012 Conference in Orlando, FL, March 2012.

Monique Ho, M.D.

1. "New Technologies in Prenatal Diagnosis 25th Rochester Conference in Perinatal Medicine" at Rochester Academy of Medicine Rochester, New York, May 17, 2012.
2. "First trimester non-anemic iron deficiency and preeclampsia" as Poster Presentation, Annual Meeting of the Society for Gynecologic Investigation, March 2012.
3. "Prenatal Aneuploidy Screening - Not Just a Triple Screen" at Regional Cytogenetics Meeting, October 29, 2011.

Kathleen M. Hoeger, M.D.

1. "Debate: Women with PCOS are Predisposed to Obesity" at 4th Peacocks International PCOS Symposium in Sante Fe, NM, September 2011.
2. "PCOS: A Comprehensive Fertility Update" as Course Director and lecturer at ASRM Annual Meeting Postgraduate Program in Orlando, October 2011.
3. "PCOS: Metabolic Impact and Long-term Management" as Course Developer at ASRM Annual Meeting Postgraduate Program in Orlando, October, 2011.
4. "Lifestyle Management in PCOS" at ASRM Roundtable Luncheon: ASRM Annual Meeting, October 2011.
5. "Diagnosis and Management of PCOS in Adolescence" at ACOG District II Annual Meeting in New York City, October 2011.
6. "Diagnosis and Management of PCOS in Adolescents" at St. Luke's and Roosevelt Hospital, Dept. of Obstetrics and Gynecology Grand Rounds, December 2011.
7. "Management of PCOS in Adolescence" at Endocrine Society of Australia/Australian Pediatric Endocrine Group, annual meeting, Taft Clinical Keynote lecture in Perth, Australia, August 2011.
8. "Evaluation and management of risk in PCOS" as plenary lecture at Endocrine Society of Australia Clinical Weekend in Fremantle, Australia, August 2011.

Fred M. Howard, Jr., M.D.

1. Shin JH & Howard FM: "Abdominal wall nerve injury during laparoscopic gynecologic surgery" at 40th Global Congress of AAGL in Hollywood, Florida, November 6-10, 2011.
2. Howard FM: "Chronic pelvic pain as we understand it today" at 40th Global Congress of AAGL in Hollywood, Florida, November 6-10, 2011.
3. Howard FM: "The role of laparoscopy in diagnosis of chronic pelvic pain" at 40th Global Congress of AAGL in Hollywood, Florida, November 6-10, 2011.
4. Howard FM: "Hormonally responsive sources of chronic pelvic pain" at Annual meeting

of International Pelvic Pain Society in Las Vegas, NV, October 2012.

Vivian Lewis, M.D.

1. “Brainstorming ideas for conducting studies with the peer review system: strategies for enhancing diversity of the biomedical workforce” at National Institute of Health, March 2012
2. Martina CA, Lewis V: “Researcher resilience through multidimensional mentoring” at Annual meeting of the Society of Clinical Translational Science in Washington DC, April 2012.

Richard K. Miller, Ph.D.

1. “Role of the Placenta in Infectious Diseases during Pregnancy” at Teratology Society Education Course, 52nd Meeting of the Teratology Society in Baltimore, Maryland, June 23-27, 2012.
2. “Field Experience: Use of the Human Placenta as a Biomarker for Environmental Exposures, Epigenetic and Morphological Assessments in the National Children’s Study (NCS)” as Workshop Chair and Presenter at National Children’s Study Research Program at the Teratology Society in Baltimore, Maryland, June 27, 2012.
3. “National Children’s Study Placenta Project 2-18: Stem Cells, Genetic/Epigenetics, Environmental Exposures and Morphology/Pathology” and “National Children’s Study Placenta Project 2-18: Scientific Opportunity, Processing and Good Scientific Practices” at NIH – RTRN - Biorepository Collaborative Summit for Health Disparities Research in Honolulu, Hawaii, May 15-17, 2012.
4. “Comparison of the Human and Animal Placenta in Modeling Infectious Disease Countermeasures” at NIH-FDA Workshop: Development of Animal Models of Pregnancy to Address Medical Countermeasures in the “at risk” Population of Pregnant women: Studies for Influenza in Washington, DC, April 30 – May 1, 2012.
5. “Mechanisms of Reproductive and Development Toxicity: HIV-1 Vitamins and Nanoparticles” as Distinguished Toxicology Lecturer, School of Public Health, University of Michigan in Ann Arbor, Michigan, October 18-19, 2011.
6. “Impact of Prenatal, Neonatal and Early Childhood Nutritional and Environmental Factors on a Child’s Growth and Development – a Pediatric Problem” as Bock Prize Lecturer, Jefferson Medical College, Department of Pediatrics in Wilmington, Delaware, September 14, 2011.
7. “Placental Technology in Drug Development: Case Reviews from Teratogen Information Service PEDECS” at 7th NICHD-CIHR Summer Institute in Maternal-Fetal Pharmacology in Montreal, July, 2011.

Shawn Murphy, Ph.D.

1. Murphy SP: “Immune gene regulation in trophoblast cells”, at 6th Annual Human Placenta Course in Kingston, Ontario, July, 2011.
2. Bushway M, Gerber S, Siebert AL, Katzman P, Miller RK, Lord EM, Murphy SP: “Development of a Novel Whole Mount Immunofluorescence Technique to Visualize Intact Human Placental Architecture” at Joint Congress of the American and European Societies of Reproductive Immunology in Hamburg, Germany, June, 2012.

Tulin Ozcan, M.D.

1. Raizada V, Ozcan Tulin: “Impact of pregnancy on pelvic floor musculature using transperineal ultrasound: A pilot study at AUGS 33rd Annual Meeting in Chicago, October 3-6, 2012, Abstract No 175.

Eva K. Pressman, M.D.

1. Grace D, Thornburg L, Ozcan T, Pressman E: “13-15 week trans-vaginal sonography as part of routine assessment of the fetus in patients with BMI over 35” at American Institute of Ultrasound in Medicine in Phoenix, March 2012.
2. Gilmandyar D, Knight K, Perdue M, Brown O, Jensen T, Hackney D, MS., Pressman E, Thornburg L: “Is Obesity Associated with an Increased Rate of Fetal Growth Restriction?” at American Institute of Ultrasound in Medicine in Phoenix, March 2012.
3. Thornburg L, Queenan R, Pressman E: “Use of Obstetric Skills in Practice” at 2012 CREOG and APGO Annual Meeting in Orlando, FL, March 2012.
4. Thornburg L, Queenan R, Pressman E: “Credentialing for obstetrical procedures by current and former residents” at 2012 CREOG and APGO Annual Meeting in Orlando, March 2012.
5. Gilmandyar D, Paivanas B, MacDonald A, Brown O, Jensen T, Glantz JC., Pressman E and Thornburg L: “Time of Delivery of the Anomalous Fetus - Effects on Neonatal Outcomes” at SMFM Annual Meeting in Dallas, TX, February 8-11, 2012.
6. Dadiz R, Weinschreider J, Arnold C, Pressman E, Guillet R: “Handoff communication improves with simulation-based interdisciplinary team training” as Poster at 12th International Meeting on Simulation in Healthcare (IMSH) in San Diego, CA, January 28 to February 1, 2012.

John T. Queenan, Jr., M.D.

1. “Preimplantation Genetic Diagnosis: Standing at the Intersection of Genetics and Reproduction” Grand Rounds. Dept. of Ob/Gyn Weill Cornell Medical Center, New York Hospital, New York, NY; Jamaica Hospital, Queens NY; New York Hospital Queens, Flushing NY; Lincoln Hospital in Bronx, NY, May 7-8, 2012.

2. “Preimplantation Genetic Diagnosis: Standing at the Intersection of Genetics and Reproduction” at ACOG District II Annual Meeting in New York, NY, October 29, 2011.
3. “CPT coding for ART: A Day in the Life of a Reproductive Endocrinologist” and “Frequently Asked Questions for Gyn Surgery and Procedures” at SREI Fellows Retreat in Park City, Utah, July 31- August 1, 2011.
4. “Diagnosis, Medical and Surgical Management of Ectopic Pregnancy” , “Hirsutism and PCOS”; “Recurrent Pregnancy Loss”; “Gyn Case Reviews” and “Evaluation and Management of Infertility and Ovulation Induction” at Columbus Comprehensive Review in Columbus, OH, September 20-21, 2011.
5. “Ovulation Induction”; “Management and Prevention of Complications in Laparoscopic and Hysteroscopic Surgery”; “Ectopic Pregnancy” and “Evaluation and Management of Hirsutism and PCOS” at 20th Annual Review of Obstetrics and Gynecology in Lake Buena Vista, FL, October 26-27, 2011.
6. Video Presentations: “Sources of Trouble: Fraud, Abuse and Denied Claims.” “Documentation Guidelines.” and “Coding for Assisted Reproductive Technology Laboratories.” American Society for Reproductive Medicine web site, eLearning module <http://www.softconference.com/asrm/sessionDetail.asp?SID=215968>

Richard Stahlhut, M.D., M.P.H.

1. Stahlhut RW, Jones B, Swan S, Weiss B: “AGD measurement of adult rates for BPA GO: Observations on methods” as Poster at BPA Grantee Research Update and Coordination Meeting in Raleigh NC.

Christopher Stodgell, Ph.D.

1. “Developing tissue repositories and experiences gained from the National Children’s Study” at Biorepository Collaborative Summit for Health Disparities Research in Honolulu HI, May 2012.
2. Co-Authored over 14 abstracts presented for the National Children’s Study Symposium held at the Teratology Society’s Annual Meeting held in Baltimore, MD, June 27th, 2012.

Loralei L. Thornburg, M.D.

1. Thornburg L, Queenan R, Pressman E: “Use of Obstetric Skills in Practice” as Oral Presentation at 2012 CREOG and APGO annual meeting, Orlando, FL.
2. Cuckle H, Thornburg L, Bromley B, Fuchs K, Platt L and Wapner R: “Nuchal Translucency Education and Quality Review (NTQR) program: first one million results” as Oral Presentation at 21st World Congress on Ultrasound in Obstetrics and Gynecology in Los Angeles, CA, September 2011.

3. Hutchinson K, Hammes S, Song K, Ozcan T, Thornburg L, Moalem J, Hou R: "Cushing Syndrome in Pregnancy" as Poster presentation at The Endocrine Society Meeting in Houston, TX, June 2012.
4. Gilmandyar D, Brown O, Paivanas B: "Timing of Delivery and Maternal and Neonatal Outcomes" as Poster presentation at American College of Ob/Gyn Annual Clinical Meeting in San Diego, May 2012.
5. Gilmandyar D, Knight K, Perdue M, Brown O, Jensen T, Hackney D, Pressman E, Thornburg L: "Is Obesity Associated with an Increased Rate of Fetal Growth Restriction?" as Poster presentation at American Institute of Ultrasound in Medicine in Phoenix, March/April 2012.
6. Bromley B, Spitz JL, Thornburg L, Toland G, Benacerraf B, Fuchs K, Platt LD, D'Alton ME: "Does the number of providers within a practice influence the quality of NT measurements: The experience of the Nuchal Translucency Quality Review (NTQR) Program" as Poster presentation at American Institute of Ultrasound in Medicine in Phoenix, March/April 2012.
7. Bromley B, Spitz JL, Thornburg L, Toland G, Benacerraf B, Fuchs K, Platt LD, D'Alton ME: "Can initial credentialing performance and practice parameters predict providers assigned to Required Quality Maintenance: The experience of the Nuchal Translucency Quality Review (NTQR) Program" as Poster presentation at American Institute of Ultrasound in Medicine in Phoenix, March/April 2012.
8. Grace D, Thornburg L, Pressman E: "13-15 week trans-vaginal sonography as part of routine assessment of the fetus in patients with BMI over 35" as Poster presentation at American Institute of Ultrasound in Medicine in Phoenix, March/April 2012.
9. Gilmandyar D, Thornburg L, Hackney D, Schwartzburg C: "Pregnancy Outcomes of Women with Failure to Retain Rubella Immunity" as Poster presentation at Society for Gynecologic Investigation in San Diego, March 2012.
10. Thornburg L, Queenan R, Pressman E: "Credentialing for obstetrical procedures by current and former residents" as Poster presentation at 2012 CREOG and APGO annual meeting in Orlando, March 2012.
11. Gilmandyar D, Paivanas B, Hoelt MacDonald A, Brown O, Jensen T, Glantz JC, Pressman E and Thornburg L: "Time of Delivery of the Anomalous Fetus - Affects on Maternal and Neonatal Outcomes" as Poster presentation at Society for Maternal Fetal Medicine-Annual Scientific Meeting in Dallas, TX, February 2012.
12. Murphy L, Thornburg L, Glantz JC, Wasserman E, Stanwood N, Betstadt S: "Complications of Surgical Termination of Pregnancy in Obese Versus Non-obese Women" as Poster presentation at Association of Reproductive Health Professions in Las Vegas, September 2011.

Eugene P. Toy, M.D.

1. “Robotic Debulking of Fixed Lymph Nodes: When “Less” Invasive Means MORE” (Sept. 5-8, 2012) and “Robotic Reimplantation of the Left Ureter with Resection of Recurrent Endometrial Cancer” (Sept. 5-8, 2012) at The Society of Laparoendoscopic Surgeons (SLS) Minimally Invasive Robotic Association (MIRA) Society of Robotic Surgery (SRS) Annual Meeting and Endoscopy Symposium, Boston, MA.

Ronald W. Wood, Ph.D.

1. ”Near infrared imaging in medicine: opportunities and challenges” as Keynote lecture at 6th international workshop on bone biology and traditional Chinese medicine in Shanghai, June 29-July 1, 2011.

James R. Woods, Jr., M.D.

1. “The physiology behind electronic fetal monitoring” and “Strategies for communicating when adverse obstetric events occur” at Sixth Annual Frederick Curcio Memorial Ob/Gyn Lecture Series, Pinnacle Health in Harrisburg, Pennsylvania, October 20, 2011.
2. “Delivering bad news” at 2011 Perinatal Neonatal Symposium, The Medical Center of Plano in Plano, Texas, November 5, 2011.
3. “What do I say? Communicating unanticipated outcomes in obstetrics” for Grand Rounds at Baystate Medical Center in Springfield, Massachusetts, April 19, 2012.

PUBLICATIONS

Emily S. Barrett, Ph.D.

1. Kobrosly, RW et al. Socioeconomic factors and phthalate metabolite concentrations among United States women of reproductive age. *Environmental Research* 2012; 115: 11-17, 2012.

Sarah J. Betstadt, M.D.

1. Betstadt SJ, Turok DK, Kapp N, Feng KT, Borgatta L. IUD insertion after medical abortion. *Contraception* June 2011; 83 (6): 517-21, June 2011.

Gunhilde Buchsbaum, M.D.

1. Doyle PJ, Buchsbaum GM. Urinary Tract Infections in Women. *Peri-FACTS*, March 2012.
2. Buchsbaum GM, Thomas SG. Prevalence of urinary incontinence and pelvic organ prolapse in women with Gynecologic cancers. *Female Pelvic Medicine & Reconstructive Surgery* 2011; 17(5, Supplement 2):S133.
3. McNanley AR, Perevich M, Glantz JC, Duecy EE, Flynn M, Buchsbaum GM. Bowel function after minimally invasive urogynecologic surgery: a prospective randomized controlled trial. *Female Pelvic Med Reconstr Surg* 2012; Mar-Apr;18(2):82-5.

Erin E. Duecy, M.D.

1. McNanley AR, Perevich M, Glantz JC, Duecy EE, Flynn MK, Buchsbaum G. Bowel function after minimally invasive urogynecologic surgery: a prospective randomized controlled trial. *Female Pelvic Med Reconstr Surg* 2012; 18(2): 82-85.

Constantino Fernandez, M.D.

1. Up Date of OUR HEALTH in cooperation with the Latino Coalition under the FLHSA.

J. Christopher Glantz, M.D.

1. Durie DE, Thornburg LL, Glantz JC. The Impact of Second and Third Trimester Rate of Weight Gestational Gain on Maternal and Neonatal Outcome. *Obstetrics & Gynecology* 2011;118(3):569-575.
2. Glantz JC, Bertoia N. Preterm Nonstress Testing: 10-beat Compared with 15-beat Criteria. *Obstetrics and Gynecology* 2011;118(1):87-93. (Subsequent response to Letter to the Editor: *Obstetrics and Gynecology* 2011;118(5):1177-1178).

3. Knight KM, Thornburg LL, McNanley AR, Hardy DW, Vicino D, Glantz JC. The Effect of Intrapartum Clindamycin on Vaginal Group B Streptococcus Colony Counts. *Journal of Maternal-Fetal and Neonatal Medicine* 2012;25(6):747-749.
4. Strutz KL, Dozier AM, van Wijngaarden E, Glantz JC. Birth Outcomes Across Three Rural-Urban Typologies in the Finger Lakes Region of New York. *Journal of Rural Health* 2012;28(2):162-73.
5. McNanley A, Perevich M, Glantz C, Duecy E, Flynn M, Buchsbaum G. Bowel Function after Minimally Invasive Urogynecologic Surgery: A Prospective Randomized Controlled Trial. *Female Pelvic Medicine & Reconstructive Surgery* 2012;18(2):82-85.
6. Murphy LA, Thornburg LL, Glantz JC, Wasserman EC, Stanwood NL, Betstadt SJ. Complications of surgical termination of second-trimester pregnancy in obese versus nonobese women. *Contraception* 2012 Mar 23. [Epub ahead of print] PubMed PMID: 22445440.
7. Thornburg LL, Linder MA, Durie DE, Walker B, Pressman EK, Glantz JC. Risk factors for wound complications in morbidly obese women undergoing primary cesarean delivery. *Journal of Maternal-Fetal and Neonatal Medicine* 2012 Feb 13. [Epub ahead of print] PubMed PMID: 22233403.
8. Hackney DN, Durie DE, Dozier AM, Suter BJ, Glantz JC. Is the Accuracy of Prior Preterm Birth History Biased by Delivery Characteristics? *Maternal Child Health Journal*. 2011 Sep 24. [Epub ahead of print] PubMed PMID: 21948198

David N. Hackney, M.D., M.S.

1. Hackney DN, Miller RK, Pressman EK, Francis CW, Simhan HN. Vaginal bleeding in early pregnancy and circulating markers of thrombin generation. *Jan* 2012; PMID: 22129041
2. Knight KM, Hackney DN. Re-evaluation of the subgroup analysis from the Royal College of Obstetricians and Gynaecologists randomized control trial of cervical cerclage. *2012 Jun*;25(6):864-5.
3. Hackney DN, Durie DE, Dozier AM, Suter BJ, Glantz JC. Is the accuracy of prior preterm birth history biased by delivery characteristics? *Matern Child Health J*. 2011 Sep 24.
4. Knight KM, Pressman EK, Hackney DN, Thornburg LL. Perinatal outcomes in type 2 diabetic patients compared with non-diabetic patients matched by body mass index. *J Matern Fetal Neonatal Med*. 2011 Jul 5

Henry M. Hess, M.D., Ph.D.

1. Henry M. Hess, MD, PhD. Book: "A 5 OZ Glass: The Health Secrets of Red Wine for Women" Westfall Publishing Group 2012.

2. Henry M. Hess, MD, PhD. Article: "Sexuality at Midlife and Beyond" Perifacts, May 2012.

Monique Ho, M.D.

1. Ho M, Faye-Petersen OM, Goldenberg RL, Carlo WA, Cliver SP, Andrews WW. "Elevated midtrimester α -fetoprotein and delivery markers of inflammation in a preterm population." The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians. 2012; Epub 2012 Jul 03.

Kathleen M. Hoeger, M.D.

1. KM Hoeger. The challenge of managing polycystic ovary syndrome in adolescents. SRM 2011;9(3) 5-11.
2. KM Hoeger and SE Oberfield. Review: do women with PCOS have a unique predisposition to obesity? Fertil Steril 2012; 97(1) 13-17.
3. M Harris-Glocker, KM Hoeger. Diagnosis and Management of Polycystic Ovary Syndrome. Peri-facts 2012.

Fred M. Howard, Jr., M.D.

1. Shin JH. Howard FM. Management of chronic pelvic pain. Current Pain & Headache Reports. 2011; 15: 377-85.
2. Howard FM. Surgical treatment of endometriosis. Obstetrics & Gynecology Clinics of North America. 2011; 38: 677-86.
3. Warren JW. Morozov V. Howard FM. Could chronic pelvic pain be a functional somatic syndrome? American Journal of Obstetrics & Gynecology. 2011; 205: 199.e1-5.
4. Warren JW. Clauw DJ. Wesselmann U. Langenberg PW. Howard FM. Morozov V. Sexuality and reproductive risk factors for interstitial cystitis/painful bladder syndrome in women. Urology. 2011; 77: 570-5.
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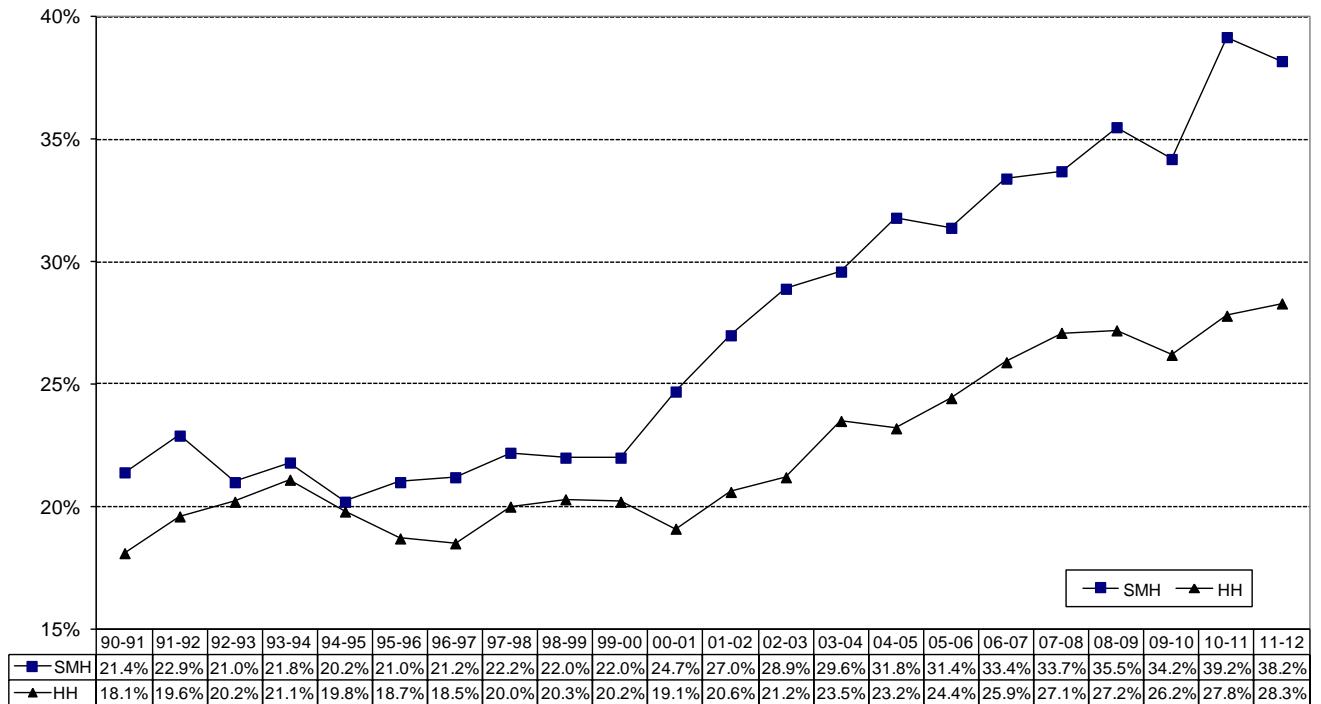
DEPARTMENTAL STATISTICS

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2011 - June 30, 2012

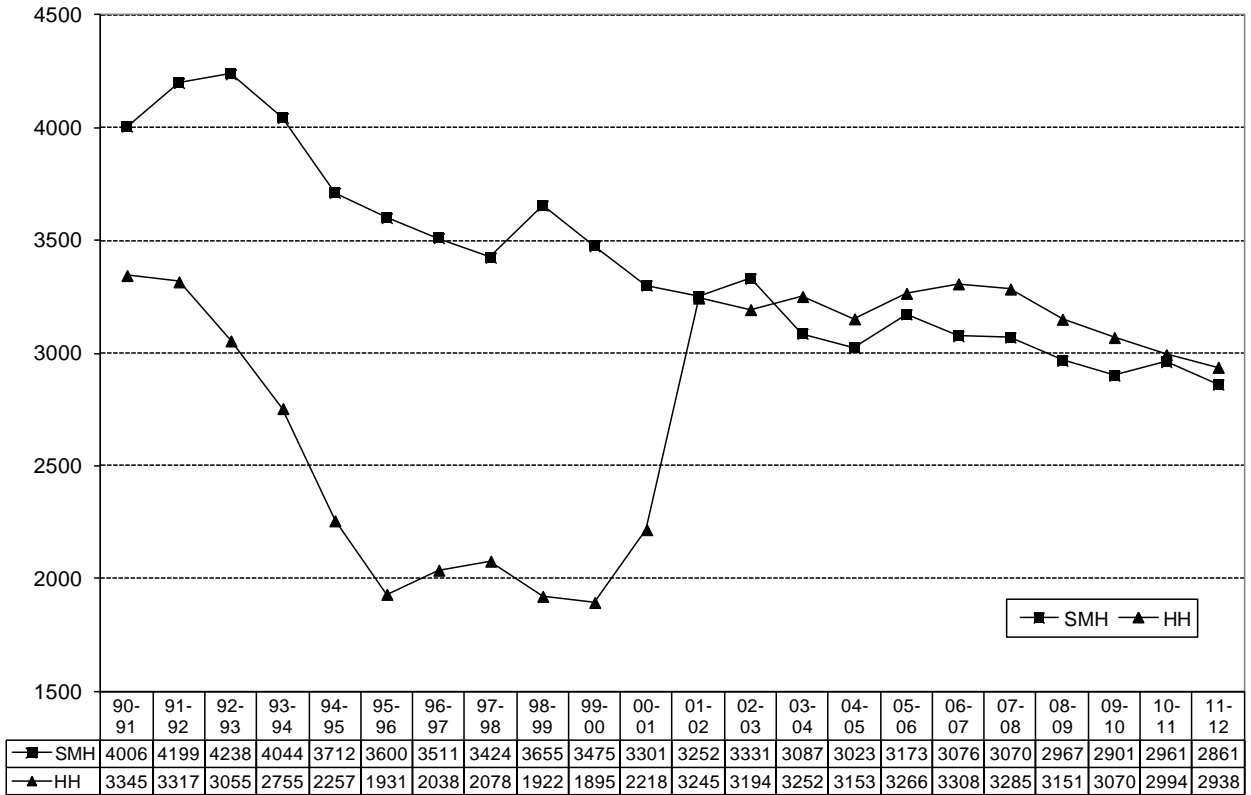
Cesarean Section Rates



53

Fiscal Year (July - June)

Number of Deliveries



Fiscal Year (July - June)

Note: Deliveries = # of mothers

PERINATAL ULTRASOUND

PROCEDURES	AC5/ LATTIMORE	RED CREEK	TOTALS
OBSTETRICAL	6134	3992	10126
GYNECOLOGIC	1363	709	2072
GENETIC-TAP	46	136	182
MATURE L/S-TAP	72	1	73
OB-IN-PATIENT	828	0	828
OB-OUT-PATIENT	5306	3992	9298
GYN-IN-PATIENT	83	0	83
GYN-OUT-PATIENT	1280	709	1989
NT	560	461	1021
BPP	243	89	332
CARDIAC	73	37	110
CARDIAC DOPP	34	22	56
DOPPLER (Umb Art)	444	289	733
DOPPLER (MCA)	158	129	287
DOPPLER (GYN)	27	15	42
MULTIPLES	262	328	590
CVS	73	0	73
PUBS	4	0	4
U/S GUIDANCE	200	115	315
INVASIVE PRO.	13	0	13
RH Administration	17	8	25
SONOHYST	74	55	129
3 D	72	32	104
TRANSVAGINAL OB	1221	694	1915
TRANSVAGINAL GYN	1069	532	1601
DAILY BILLABLE PROC	12159	7644	19803
DAILY IN/OUT PATIENT	7497	4701	12198
NO SHOW	1075	136	1211
CANCELLED	115	82	197
RESCHEDULED	269	59	328
DELIVERED	44	39	83
ON CALL	198	0	198

**CLINICAL SUBSPECIALTY
DIVISIONS**

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2011- June 30, 2012

GENERAL GYNECOLOGY AND OBSTETRICS



Adrienne D. Bonham, M.D.
Associate Professor and Division Director

The Division also includes: Amy R. Benjamin-Pratt, M.D., Sarah J. Betstadt, M.D., M.P.H., Constantino Fernandez, M.D., David C. Foster, M.D., M.P.H., Sheila A. Geen, C.N.M., M.S.N., Tara L. Gellasch, M.D., Amy R. Harrington, M.D., Diane M. Hartmann, M.D., Fred M. Howard Jr., M.D. and Katrina F. Nicandri, M.D.

INTRODUCTION

The Division of General Gynecology and Obstetrics continues to maintain the momentum that it developed since its inception. The members of the division dedicate themselves to offering the full complement of basic obstetric and gynecologic care as well as providing specialized care in the various gynecologic specialties. Our mission is to provide a meaningful educational experience for students and residents in the clinical setting, emphasize quality and continuity of care to indigent and underserved women, as well as emphasize our own professional development. It is also our mission to provide excellent patient care and to develop a level of expertise in our respective areas of interest that allow us to act as a resource for the community. The members of the division have particular expertise and interest in the areas of primary care and health screening, [family planning](#), pediatric and adolescent gynecology, minimally invasive surgery, vulvovaginal disorders and clinical quality outcome measures and education.

The division members are active clinically and surgically at many sites which include Strong Memorial Hospital, Anthony Jordan Health Center and Red Creek. We provide obstetrical services at the Strong Memorial Hospital birthing center, all emergency room and hospital gynecological consultations and private obstetrical and gynecological services at Red Creek, Women's Health Practice, and AJHC. The division members provide preceptorships for all the resident continuity clinics at Strong Women's Health Practice. The year consisted of many positive changes including working closely with the Maternal Fetal Medicine group and Women's Health Practice, providing consistent coverage for resident continuity clinics and establishing a financially viable, successful general ob/gyn practice. Recent renovations at the Red Creek site have allowed us to maximize the efficiency of the office.

DIVISION MEMBERS

Amy Benjamin-Pratt, MD, is a graduate of University of Rochester School of Medicine residency program. She completed advanced training in Advanced Laparoscopic Surgery under the tutelage of Dr. Fred Howard and joined the division as full-time faculty. She is active in resident surgical education, precepts residents in pelvic pain clinic and provides outstanding clinical care for pelvic pain patients and general obstetrics and gynecology. Her interests are to improve quality of resident surgical training and perform advanced laparoscopic surgeries.

Sarah Betstadt, MD, MPH, completed her medical school at SUNY, Upstate and residency at Baystate Medical Center. She has advanced training completing a family planning fellowship at Boston University. She is actively pursuing research and publishing in the area of contraception and family planning. Dr. Betstadt provides excellent care and training in the Family Planning service, which has become a large, regional referral practice. They have recently developed a relationship with Planned Parenthood and plan on a long term partnership with the goal of efficient and immediate care for patients and expanded training for residents.

Adrienne Bonham, MD, completed her medical degree from the State University of New York at Buffalo and her residency at the University of Rochester. She also has a Master's of Science in human genetics from the University of Pittsburgh and a Master's of Science in Medical Management from the University of Rochester. She has recently been named chief of the division and has also been the associate residency director for the past eight years. She develops and maintains the resident education curriculum. Her clinical area of interest is the diagnosis and treatment of disorders of the lower genital tract. Together with Dr. Foster, she has developed a busy regional referral practice for these conditions. She also provides general obstetric and gynecologic care to a wide variety of patients with a particular interest in care of the midlife woman. Adrienne precepts the residents colposcopy clinic and supervises staff surgeries with the residents.

Constantino Fernandez, MD, continues to promote the expansion of Ob-Gyn services to the Hispanic population of the Rochester area, providing care in The Women's Health Practice and at Jordan Community Health Center. He continues to serve on numerous committees locally and nationally focusing on Hispanic health care and family planning.

David Foster MD, MPH received his medical degree from Thomas Jefferson University and did his residency at Johns Hopkins. He completed a fellowship in gynecologic pathology and received his MPH from Johns Hopkins as well. He is an internationally known expert in the field of vulvovaginal disorders. He has published extensively on the topic and currently has two R01 NIH grants. His clinical practice is a busy regional referral center for these conditions. He developed and teaches the pathology curriculum for the residents as well as supervising the resident colposcopy clinic.

Tara Gellasch MD is the most recent addition to the division. She obtained her medical degree from McGill University and did her residency at Emory. Her passion for caring for the underserved, as well as her outstanding organizational capacities, has brought her to the University of Rochester where she serves as the Medical Director for the Women's Health Practice. She oversees the administration of care given to over 10,000 underserved women in the Rochester area. She also actively supervises the resident clinics and staff surgeries.

Amy Harrington MD is a recent addition to the division, coming to us from private practice in VA. She received her medical degree from Stony Brook University and did her residency at the University of Virginia. Her particular area of interest is family planning, and with Dr. Betstadt, she has developed a large regional referral center for these services. She has also started a complex contraception clinic designed to act as a referral center for patients with contraceptive complications as well as complex medical conditions which make contracepting difficult. She is actively involved in precepting the resident clinics and does many of the staff surgeries with the residents. As site director for the third year medical student clerkship, she is responsible for the oversight of the education of those student assigned to Strong for their Ob/Gyn clerkship and holds weekly small group teaching sessions.

Diane Hartmann, MD, As the Senior Associate Dean for Graduate Medical Education, Dr. Hartmann is responsible for 75 residency and fellowship programs and over 700 graduate medical trainees at the

University of Rochester School of Medicine. She is currently a member of the Board of Directors of the American Board of Obstetrics and Gynecology and serves as an Oral Board Examiner. Dr. Hartmann is Chair of the Council on Residency Education in Obstetrics and Gynecology and is a member of the Accreditation Council on Graduate Medical Education's (ACGME) Review Committee for Obstetrics and Gynecology. She was recently appointed to the American Association of Medical Colleges (AAMC) National Advisory Panel on Medical Education. In recognition of her commitment and contributions to Graduate Medical Education, she was awarded the *Parker J. Palmer Courage to Lead Award* by the ACGME in 2009. In addition to these responsibilities, she continues to be a particularly popular practicing physician in the provision of the expert care of perimenopausal and menopausal women.

Fred Howard MD, Professor Emeritus, graduated from medical school at Vanderbilt University and did his residency at Fitzsimons Army Medical Center. He is internationally known as an expert in chronic pelvic pain and minimally invasive surgery and has lectured and published extensively on these topics. He is the Associate Chair of Academic Affairs for the department of obstetrics and gynecology and is active in the administration of the residency program. His clinical practice is a large regional referral center for pelvic pain and advanced minimally invasive surgery. He instituted the department's minimally invasive surgery fellowship which remains extremely successful today.

Katrina Nicandri, MD, graduated from Medical College of Virginia and completed her residency at the University of Washington. Dr. Nicandri was a faculty member at the University of Washington after residency. Her interests lie in the area of pediatric and adolescent gynecology as well as providing excellent care in general obstetrics and gynecology, resident education, and providing clinical care in underserved areas and populations. She restructured our M&M's to provide a critical and educational venue and evaluation of clinical outcome measures. She has a special interest in robotic gynecologic surgery.

PATIENT CARE/CLINICAL SERVICES

Areas of clinical care and research in the Division include:

- Adolescent and pediatric gynecology
- General Obstetrics and Gynecology
- Family planning
- Minimally invasive gynecological surgery
- Vulvovaginal disorders
- Care of the midlife woman

The Division provides office-based clinical care on the University campus in the Women's Health Practice, Red Creek and Anthony Jordan Health Center. In the Women's Health Practice, Division members provide clinical care through oversight of nurse practitioners and residents in their continuity clinics, in addition to providing direct patient care.

EDUCATION

The Division is committed to excellence in education. The Division has leadership and teaching roles related to residency and medical student education. Dr. Bonham is the associate residency director and designs and implements the resident education curriculum. Dr. Harrington is the site director for the third year clerkship and frequently gives both formal and informal lectures to both students and residents. Dr. Nicandri is a frequent lecturer and clinic preceptor as well as running the M and M conferences. Dr. Betstadt is involved in many medical student conferences and resident lectures, is one of the primary clinic preceptors and has mentored many resident research projects. Dr. Gellash has been reorganizing

the ambulatory education curriculum and assuring that the clinic provides an active learning environment for the residents.

The entire Division is responsible for and committed to the education and supervision of the residents in their continuity clinics at Strong Memorial Hospital, Women's Health Practice. Our Division also is responsible for daily educational rounds with the residents on gynecology. These rounds consist of daily review of patient cases, examination of patients with residents, and availability for emergency operations. Individual division faculty also teach second and third year residents in their private offices.

RESEARCH

Several of the Division members are also funded co-investigators on collaborative studies with other divisions and departments. Members of the division are active in research in the areas of vulvodynia, endometriosis, contraception and the optimization of care to the underserved. Currently funded studies with members of the Division as principal investigators are summarized in each faculty member's individual annual report summary.

FUTURE PLANS

Our division's mission remains to provide our patients with excellent clinical care as well as our residents with a comprehensive and meaningful educational experience. In doing so, we hope to serve as role models for the residents and are in the process of standardizing the care provided throughout the system to best reflect the most up to date evidence based medicine. We would like to expand our research focus to areas that test quality measures to improve clinical care. We are implementing a program within our women's clinic to bring specialists from various fields into the clinic on a regular basis to provide interactive consultations for our patients. Not only will it significantly improve the patients' access to care, but will provide our residents with much needed experience in the represented fields. We plan on an expansion of our surgical volume and provide our patients with more services by increasing our surgical time at the Sawgrass outpatient surgical facility. We are actively encouraging each member of the division to continue to develop in his or her own particular area of interest in order to better serve the community as well as to make the University of Rochester truly a center of excellence in these fields.

GYNECOLOGIC ONCOLOGY



Brent DuBeshter, M.D.
Professor and Division Director

The Division of Gynecologic Oncology faculty also includes: Cynthia L. Angel, M.D., Sajeena Thomas, M.D. and Eugene P. Toy, M.D.

PATIENT CARE

Providing optimal care for women with gynecologic cancer has been and is still the main focus of the division. This past year, our division was awarded gold seal certification by the joint commission, in recognition of the care we provide for patients with endometrial and ovarian cancer. The application for this recognition was under the direction of Dr. Angel, assisted by a number of staff at Highland Hospital. We have also made further strides in integrating the Palliative Care service at Highland into our service, an important contribution to better end of life care.

Our division continues to be a leader in the use of minimally invasive robotic treatment of women with gynecologic cancers. Among all NYS institutions in 2011, URM (Strong/Highland) was again #1 in NYS in the use of robotics for gynecologic procedures. Our division led NYS in the use of robotics for management of gynecologic cancers. We continue to be the largest gynecologic oncology service outside of NYC.

In the community the division has continued its involvement with the ongoing activities of Cancer Wellness Connections, a local organization devoted to improving the experience of women and children undergoing chemotherapy. As part of gynecologic awareness month, members of the division participated in the Annual Ovarian Cancer 5k. This year the event attracted over 1000 entrants, and continues to enjoy wide ranging support, with many local institutional and corporate sponsors.

EDUCATIONAL ACTIVITIES

Blackboard continues to be the main vehicle for presenting educational material to our residents and medical students. This past year over 40 Tumor Boards were posted with a short quiz to focus on important points. In addition, a weekly Tumor Conference, planned this past year, will be initiated in the fall of 2012.

RESEARCH

A multidisciplinary research project evaluating the role of cell adhesion molecules in a variety of gynecologic malignancies was started last year, and data is being accumulated. In addition, Dr. Toy

presented several robotic surgical films at this year's Society of Robotic Surgery meeting in Boston, and a study examining the role of robotic hysterectomy in NYS was submitted for publication. Amber Robbins, working under the guidance of Dr. Thomas, presented a poster at the annual Wilmot Symposium, and a manuscript of this work has been submitted for publication.

FUTURE PLANS

With the increasing use of minimally invasive techniques in gynecology oncology, we plan on increasing our resident's experience with the da Vinci system. Weekly Tumor Conferences will enhance the educational experience on our rotation. Planning is underway to upgrade the first daVinci system at Highland with a second dual console machine, which will further improve training of residents in this increasingly important surgical platform.

GYNECOLOGIC ONCOLOGY CLINICAL VOLUME

<u>Clinical Activity</u>	<u>Totals</u>			
<i>Surgical Volume</i>	2009	2010	2011	2012
Partial vulvectomy	56	46	54	60
Cervical conization	20	27	31	31
Hysterectomy (open)	83	78	78	61
Hysterectomy (robotic)	214	284	314	352
Ovarian cancer debulking	122	109	114	95
Radical vulvectomy	27	26	25	31
Radical hysterectomy (open/robotic)	31	29	23	27
Total Procedures	553	599	639	657
<i>Outpatient Visits</i>				
New patients	842	877	898	909
Follow-up visits	2845	2811	2944	3210
Colposcopy	394	369	373	386
Total	4081	4057	4215	4505

MATERNAL-FETAL MEDICINE



Eva K. Pressman, M.D.

James R. Woods, Jr. Professor, Director of Obstetrics and Maternal-Fetal Medicine and Director of Maternal-Fetal Medicine Fellowship Program

The Division of Maternal-Fetal Medicine faculty also includes: Dzhamala Gilmandyar, M.D. (Fellow), J. Christopher Glantz, M.D. (Director, Inpatient Obstetrics and the Regional Perinatal Database), Lisa M. Gray, M.D. (Fellow effective 7/1/12), David N. Hackney, M.D. (until 8/3/12), Monique Ho, M.D. (Director of Reproductive Genetics), Kristin Knight, M.D. (Fellow until 6/30/12), Erin Lemcke (Supervisor, OB/GYN Ultrasound), Tulin Ozcan (Director of OB/GYN Ultrasound and Special Care Clinic), M.D., Ruth Anne Queenan, M.D. (Chief of Obstetrics and

Gynecology at Highland Hospital), Neil S. Seligman, M.D., David E. Seubert, M.D., J.D., Lorelei L. Thornburg, M.D, James R. Woods, Jr., M.D. and Paula E. Zozzaro-Smith, D.O. (Fellow). The Reproductive Genetics Service includes: Laura Martin, Stephanie Laniewski, and C. Jeanne Peterson.

The Division of Maternal-Fetal Medicine (MFM) continues to provide high-risk obstetric care with ultrasound evaluation, consultation, and direct obstetric management throughout central New York. With services at Strong Memorial Hospital, Highland Hospital, Rochester General Hospital, FF Thompson Hospital, and St. Joseph's Hospital in Syracuse, our division is able to provide care for patients from all over the region.

There have been some transitions within the Division of Maternal Fetal Medicine in 2011-2012. In July 2011 Dr. Paula Zozzaro-Smith became the 26th Todd Maternal Fetal Medicine fellow since the fellowship was established in 1975. Dr. Neil Seligman joined the MFM faculty in August 2011 after completing his fellowship at Thomas Jefferson University. Dr. Kristin Knight completed her Maternal Fetal Medicine fellowship in June 2012 and will be joining a practice in Rockville, MD.

PATIENT CARE

The Maternal-Fetal Medicine Division maintains an active full-service practice through Strong Perinatal Associates. Patients referred to us for antepartum and intrapartum obstetric care are seen throughout their pregnancy, delivered by our division members, and then returned to their physicians for continued GYN care. Patients whose risks have passed during the latter part of pregnancy are offered the opportunity to return to their obstetrician, family medicine physicians or nurse midwife for their continued obstetric care.

Many of our outpatient service moved from the Ambulatory Building at Strong Memorial Hospital to our new Women's Health Pavilion at 125 Lattimore Road in April 2012. The Special Care Clinic, which offers high-risk obstetric care at the Lattimore Road site, continues to serve the Rochester community. Staffed by residents, nurse practitioners, social workers and nutritionists, and supervised by the MFM faculty, the Special Care Clinic provides comprehensive services for many of the most complicated obstetric patients. The Special Care Clinic continues to thrive with over 2000 office visits and nearly 200 deliveries in 2011-2012.

Strong Fetal Monitoring continues to thrive with outpatient fetal monitoring offered at Lattimore Road and Red Creek Drive. More than 3000 outpatient non-stress tests were performed in the last year.

OB/Gyn ultrasound services are provided at Lattimore Road, Highland Hospital, Rochester General Hospital and our facility at Red Creek Drive. Beginning in July 2010 with the appointment of Dr. Ruth Anne Queenan as the Chief of OB/Gyn at Highland Hospital, the involvement of the MFM Division at Highland has significantly increased, with our faculty providing on site consultations, NST's, ultrasounds and procedures 2 days per week. The volume of patients seen for OB/Gyn ultrasound at all sites remains high, with almost 35,000 studies performed between July 2011 and June 2012. In addition, the Strong Maternal Fetal Medicine Faculty interpreted more than 2000 obstetrical ultrasound examinations at FF Thompson Hospital utilizing a combination of telemedicine and onsite service. We are hopeful that our services to the entire Finger Lakes Region will continue to increase.

Starting in 2009, University of Rochester entered into an agreement with St. Joseph's Hospital and Associates for Women's Medicine in Syracuse to provide perinatal consultations and ultrasound services locally in Syracuse. Dr. Pressman and Dr. Seligman provide these services twice a month and over the last academic year over 150 consultations have been completed.

Reproductive Genetics continues to provide genetic counseling to patients throughout the region with nearly 1300 prenatal and pre-pregnancy patients seen during the past year. This year they have expanded to include seeing patients at Highland Hospital as well. The number of invasive diagnostic procedures remains stable at over 200 amniocenteses and 100 chorionic villus sampling procedures.

EDUCATION

The MFM division is dedicated to teaching medical students, residents and fellows. Our faculty are involved in all four years of the medical school curriculum and continue to work hard at encouraging the best medical students to pursue careers in women's health. Our entire faculty contribute to the resident didactic lecture series, obstetric simulation, monthly morbidity and mortality conferences, weekly perinatology/neonatology conferences and teaching on the inpatient and outpatient services. Our MFM fellowship has been ongoing for over 30 years and we continue to attract and train some of the country's finest fellows.

RESEARCH

Research activities within the Maternal-Fetal Medicine Division continue to expand. Current studies include:

Gene expression in pregnancies complicated by preeclampsia. Investigator: Monique Ho. Funding – MFM Division

Early Pregnancy Iron Deficiency. Investigators: Monique Ho, Philip Katzman. Funding – MFM Division

The Association between Sleep Duration, Adipokine & Ghrelin Levels, and Maternal Weight Gain in Pregnancy. Investigators: Kristin Knight, Lorelei Thornburg, Eva Pressman. Funding: MFM Division

The Infant Development and the Environmental Study (TIDES)

Investigators: Swan, S; Pressman, E; Baskin, L; Bookstein, F; Dogra, V; Grady, R; Hulbert, W; Janssen, S; Mevorach, R; Nguyen, R; Redmon, J; Sathyanarayana, S
Funded by NIH

National Children's Study

Investigators: Shanna Swan, Peter Szilagyi, Nancy Bennett, James Campbell, Carl D'Angio, Richard Miller, Gary Myers, Eva Pressman, Edwin VanWijngaarden Stephen
Funded by NIH

Perinatal depression, proinflammatory cytokines and adverse obstetric outcomes

Investigators: Emma Robertson-Blackmore, Thomas O'Connor, Eva Pressman
Funded by NIH

Prenatal Anxiety and its Effects on Child Development

Investigators: O'Connor, Robertson-Blackmore, Pressman
Funded by NIH

Impact of Pelvic Floor Musculature on Peripartum Outcomes using Transperineal Ultrasound: A Prospective Study. Investigators: Tulin Ozcan and Gunhilde Buchsbaum. Funding – Departmental Funding

Fetal Iron Sources during Pregnancy. Investigators: O'Brien, K. O.; Pressman, E.; Funding: USDA

Determinants of Neonatal Iron Homeostasis in Women Carrying Multiples. Investigators: O'Brien, K. O.; Pressman, E.; Funding: Gerber Foundation

Vitamin D Status Impacts Inflammation and Risk of Infections During Pregnancy. Investigators: O'Brien, K. O.; Pressman, E.; Elizabeth Cooper; Ruth Anne Queenan. Funding: USDA

Amniotic fluid stem cell culture and differentiation.

Monique Ho, Mark Nobel

Amniotic exosomes as predictive biomarkers for genito-urinary anomalies. Investigators: Eva Pressman, Carla Beckham. Funding: Mae Stone Goode Foundation

Maternal exposure and the risk of Gastroschisis. Investigator: Lorelei Thornburg. Funding: Division of MFM

Obesity and Prenatal Care Study. Investigator: Lorelei Thornburg. Funding: Division of MFM

Obstetric Simulation in Resident Education. Investigators: Lorelei Thornburg, Erin Duecy, Eva Pressman. Funding: Departmental Funding.

The results of the research efforts of all the members of the Maternal Fetal Medicine Division have led to the following publications:

David N. Hackney, M.D. Knight KM, Hackney DN. Re-evaluation of the subgroup analysis from the Royal College of Obstetricians and Gynaecologists randomized controlled trial of cervical cerclage. J Matern Fetal Neonatal Med. 2012 Jun;25(6):864-5. Epub 2011 Nov 30.

Young MF; Griffin I; Pressman E; McIntyre AW; Cooper E; McNanley T; Harris L; Westerman M; O'Brien KO. Maternal hepcidin is associated with placental transfer of iron derived from dietary heme and nonheme sources. *The Journal of nutrition*. 2012;142(1):33-9.

Thornburg LL; Linder MA; Durie DE; Walker B; Pressman EK; Glantz JC. Risk factors for wound complications in morbidly obese women undergoing primary cesarean delivery. *The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians*. 2012; Epub 2012 Feb 13.

Yan J; Jiang X; West AA; Perry CA; Malysheva OV; Devapatla S; Pressman E; Vermeylen F; Stabler SP; Allen RH; Caudill MA. Maternal choline intake modulates maternal and fetal biomarkers of choline metabolism in humans. *The American journal of clinical nutrition*. 2012;95(5):1060-71.

Hackney DN; Miller RK; Pressman EK; Francis CW; Simhan HN. Vaginal bleeding in early pregnancy and circulating markers of thrombin generation. *The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians*. 2012; Epub 2012 Jan 24.

Jiang X; Yan J; West AA; Perry CA; Malysheva OV; Devapatla S; Pressman E; Vermeylen F; Caudill MA. Maternal choline intake alters the epigenetic state of fetal cortisol-regulating genes in humans. *The FASEB journal : official publication of the Federation of American Societies for Experimental Biology*. 2012; Epub 2012 May 01.

Jaacks LM; Young MF; Essley BV; McNanley TJ; Cooper EM; Pressman EK; McIntyre AW; Orlando MS; Abkowitz JL; Guillet R; O'Brien KO. Placental expression of the hemetransporter, feline leukemia virus subgroup C receptor, is related to maternal iron status in pregnant adolescents. *The Journal of nutrition*. 2011;141(7):1267-72.

Blackmore ER; Moynihan JA; Rubinow DR; Pressman EK; Gilchrist M; O'Connor TG. Psychiatric symptoms and proinflammatory cytokines in pregnancy. *Psychosomatic medicine*. 2011;73(8):656-63.

Strutz KL, Dozier AM, van Wijngaarden E, Glantz JC. Birth outcomes across three rural-urban typologies in the Finger Lakes region of New York. *J Rural Health*. 2012 Spring;28(2):162-73. doi: 10.1111/j.1748-0361.2011.00392.x. Epub 2011 Sep 12.
2011

Hackney DN, Durie DE, Dozier AM, Suter BJ, Glantz JC. Is the Accuracy of Prior Preterm Birth History Biased by Delivery Characteristics? *Matern Child Health J*. 2011 Sep 24. [Epub ahead of print]

Hackney DN, Glantz JC. Vaginal bleeding in early pregnancy and preterm birth: Systematic review and analysis of heterogeneity. *Journal of Maternal-Fetal & Neonatal Medicine*. 2011; 24(6): 778-786.

Hoffmire CA; Chess PR; Ben Saad T; Glantz JC. Elective Delivery Before 39 Weeks: The Risk of Infant Admission to the Neonatal Intensive Care Unit. *Maternal Child Health Journal*. 2011; Jun 10. Epub ahead of print.

Glantz JC. Rates of Labor Induction and Primary Cesarean Delivery Do Not Correlate with Rates of Adverse Neonatal Outcome in Level 1 Hospitals. *Journal of Maternal-Fetal & Neonatal Medicine*. 2011; 24(4): 636-642.

Murphy LA, Thornburg LL, Glantz JC, Wasserman EC, Stanwood NL, Betstadt SJ. Complications of surgical termination of second-trimester pregnancy in obese versus nonobese women. *Contraception*. 2012 Mar 23. [Epub ahead of print]

Knight KM; Pressman EK; Hackney DN; Thornburg LL. Perinatal outcomes in type 2 diabetic patients compared with non-diabetic patients matched by body mass index. *The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians*. 2012 Jun;25(6):611-5. Epub 2011 Jul 5.

Knight KM; Thornburg LL; McNanley AR; Hardy DJ; Vicino D; Glantz JC. The effect of intrapartum clindamycin on vaginal group B streptococcus colony counts. *The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians*. 2012;25(6):747-9.

Thornburg LL, Linder MA, Durie DE, Walker B, Pressman EK, Glantz JC. Risk factors for wound complications in morbidly obese women undergoing primary cesarean delivery. *J Matern Fetal Neonatal Med*. 2012 Feb 13.

Durie DE; Thornburg LL; Glantz JC. Effect of second-trimester and third trimester rate of gestational weight gain on maternal and neonatal outcomes. *Obstetrics and gynecology*. 2011;118(3):569-75.

Thornburg LL. Antepartum obstetrical complications associated with obesity. *Semin Perinatol*. 2011 Dec;35(6):317-23.

Neil Seligman, M.D. Slodki M, Szymkiewicz-Dangel J, Tobota Z, Seligman NS, Weiner S, Respondek-Liberska M. The Polish National Registry for Fetal Cardiac Pathology: organization, diagnoses, management, educational aspects and telemedicine endeavors. *Prenat Diagn*. 2012 May;32(5):456-60. doi: 10.1002/pd.3838. Epub 2012 Apr 12. Page: 13 / 19

Neil Seligman, M.D. Singh S, Seligman NS, Jackson B, Berghella V. Fetal intracardiac potassium chloride injection to expedite second-trimester dilation and evacuation. *Fetal Diagn Ther*. 2012;31(1):63-8. Epub 2011 Dec 22. 2011

Neil Seligman, M.D. Seligman NS, Sbar W, Berghella V. Pouch function and gastrointestinal complications during pregnancy after ileal pouch-anal anastomosis. *J Matern Fetal Neonatal Med*. 2011 Mar;24(3):525-30. Epub 2010 Jul 7.

Neil Seligman, M.D. Slodki M, Moszura T, Janiak K, Sysa A, Seligman NS, Weiner S, Respondek-Liberska M. The three-vessel view in the fetal mediastinum in the diagnosis of interrupted aortic arch. *Ultrasound Med Biol*. 2011 Nov;37(11):1808-13. Epub 2011 Aug 15.

Neil Seligman, M.D. LaVigne KA, Seligman NS, Berghella V. Offering aneuploidy screening to HIV positive women: routine counselling or not? *BJOG*. 2011 Jun;118(7):775-8.

FUTURE PLANS

Many exciting changes are planned for the upcoming year. Dr. David Seubert will join our faculty in July 2012. An additional fellow, Dr. Lisa Gray, will start in July 2012 and recruitment for a fellow as well as an additional faculty member for 2013 is underway. Applicants to our MFM fellowship remain some of the best in the nation.

MIDWIFERY DIVISION AND ROCHESTER ADOLESCENT MATERNITY PROGRAM



Elizabeth M. Cooper, CNM, EdD, FACNM

Professor and Director, Midwifery Division and Rochester Adolescent Maternity Program

Division Members: Michele Burtner CNM, Tammy Farnham CNM, Pamela Wright CNM, Heather Lane CNM, Carolyn Leja CNM, Jacqueline Nasso CNM, Rebecca Skovgaard CNM, Helene Thompson-Scott CNM, and Jo Wrona CNM

Clerical Staff: Valerie Richards, Administrative Assistant/Office Manager; Barbara Williams, Front Office Manager; Cassandra Smith, Clarissa Breedlove, Marquita McCoy, and Deborah Young, medical secretaries.

Nursing Staff: Sharon Lehman RN, Nurse Leader; Edna Brinson, Medical Assistant, Joanne Doran-Hills RN, Jean Farruggia LPN, Peggy Militello RN,

Ruth Ann Nasso RN, Cindy Schutt RN, Luann Merz RN (per diem) and Patty Griswold RN (per diem).

Social Work Staff: Lisa Luxemberg CSW, Dana Bowen, financial counselor. **Nutrition Staff:** Vacant.

RAMP Staff: Jody Stevens, RNC PhD, Elizabeth Heavey CNM, PhD, and Betsy Crumb, dietician.

REPORT NOT SUBMITTED

FOR THIS YEAR

REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY



Kathleen M. Hoeger, M.D.

*Division Director and Director, Strong Fertility Center
Professor of Obstetrics and Gynecology*

The Faculty of the Division of Reproductive Endocrinology and Infertility also includes: Rajesh Srivastava, PhD, (Laboratory Director, Andrology and IVF Program); John T. Queenan, Jr., MD (IVF Medical Director); Vivian Lewis, MD; *New faculty for 2012* Wendy Vitek, MD (start August 2012 Director Fertility Preservation), Bala Bhagavath MD (to begin October 2012 Director Minimally Invasive Surgical Fellowship)

OVERALL

In 2011-2012, the Strong Fertility Center continued our focus on the clinical service and saw a change in our faculty as we continue to expand our clinical offerings. With our full time clinical faculty group of Drs. Hoeger, Queenan and Griffin (who left us in May 2012), the 2011-2012 academic year saw continued active clinical care at our Red Creek office. The division saw a total of 667 new patients. Our ultrasound program performed nearly 7500 studies. Additionally, we provided more than 10,000 endocrine assays onsite including estradiol, progesterone, LH/FSH and HCG studies with rapid turnaround for patients. We continue to actively promote the Fertility Center working with complementary therapies to our fertility program, including no fee Women's Behavioral Health services, and patient support groups. The Women's Lifestyle Center, continuing its collaborations with Cardiology and Preventive Medicine, continues to offer a team approach to the management of PCOS. We have active research programs continuing in PCOS and added research in the environment and reproduction. We have collaborative clinical research with Dr. Dewhurst as well. The Reproductive Endocrine division continues to be actively involved in the OB/GYN residency, medical endocrine fellowship and medical student educational curriculums and clinical rotations. We look forward to continued growth in both the clinical and research arms of the division as we add Drs. Vitek and Bhagavath to increase our surgical presence in the community.

PATIENT CARE

Our IVF program continues to improve its clinical offerings. We received a renewed grant for participation in the New York State Infertility Demonstration Project that allows us to offer discounted services for select couples requiring IVF and added a multicycle case discount for those requiring more than one treatment cycle. We continue to look for options that improve access and affordability of IVF for couples who need our services.

We continue to offer preimplantation genetic diagnosis and screening for couples with a single gene defect or recurrent aneuploidy. Our donor oocyte program remains very successful. We have successfully expanded our donor pool and we offer oocyte donor cycles without a wait for recipient couples. Our ongoing 2011 IVF pregnancy rates including donor oocyte are shown in Figure 1. We

added a new embryology Technician, Heather Morsch to our embryology team. We expanded our IVF program in fertility preservation offering counseling and IVF therapies for young patients facing cancer, with our outreach efforts has connected with all the local cancer centers to allow information on fertility preservation to be included in patients initial consultations for cancer therapy. Dr. Srivastava has successfully initiated an oocyte cryopreservation program that supports this clinical service. Our preservation program, CARE (Childbearing After REcovery) after cancer, successfully held it's third fundraiser in October. The wine tasting and silent auction benefit raised more than \$10,000 in money for patient care for those needing fertility services.

We continue to offer hysterosalpingography (HSGs) to the Red Creek office so that patients can receive their work up and treatment all in one familiar location. This service has consistently been cited by patients as significantly reducing their anxiety around having this test performed and allows for flexible scheduling.

Our ovulation induction program continues to be successful. The pregnancy rates for women treated with clomiphene and those for gonadotropins including combinations with GnRH antagonists are included in Tables 1-5. Multiple births remain a concern with treatment and a focus for our practice to reduce to as low as possible a rate.

With the addition of Drs. Vitek and Bhagavath we continue to expand the first robotic surgery program in the area focused on fertility surgery. These surgeries include fertility preserving myomectomies and tubal ligation reversals.

The Women's lifestyle center run by Dr. Hoeger continues to offer opportunity for nutrition and exercise instruction for women with Polycystic Ovary Syndrome interested in improving their chances for conception or improvement of their health with lifestyle modification. Women can meet with a certified nutritionist and exercise physiologist experienced in treating patients with metabolic disease. Additionally we have added a behavioral intervention to assist with the difficulties in making and sustaining lifestyle change. The program operates out of our Red Creek site.

EDUCATION

The Reproductive Endocrine division continues to participate actively in resident and medical student education. Residents in their second year complete a 2 week rotation in REI. The second year residents also presented a lecture to REI faculty and staff on a selected topic of interest in Reproductive Endocrinology at the conclusion of their rotation which they also presented to their fellow residents. Residents participate fully in the clinical practice meeting patients in consultation, performing US and HSGs and operations with REI faculty. Additionally the division supports a rotation for the medical endocrinology fellowship program with the fellow attending clinic to learn specific aspects of reproductive endocrinology patient care. The division also supports pelvic ultrasound education for residents in the emergency medicine residency program by providing a hands-on rotation in transvaginal scanning. The division hosts 4th year medical students on elective.

Dr. John Queenan continues to provide be the faculty advisor for the OB/GYN medical student special interest group. This group serves an important function in helping recruit students to our specialty. The interest group sponsors monthly sessions for students in a variety of formats: informal get-together, faculty lectures on career choices, panel discussions featuring residents and fellows.

The division also supports a ½ day session on basic science of reproduction as part of the 3rd year clerkship in OB/GYN which all the faculty participate in. Dr. Srivastava leads the laboratory section of this course.

RESEARCH

Our research activities and publications continue to grow. Dr. Hoeger's research area of interest is in the metabolic and reproductive consequences of PCOS. A collaboration with medical endocrinology has begun with recruitment for joint clinical trial examining MMPIs in androgen production in PCOS. Dr. Hoeger continues to serve as an advisor on the NIEHS/NIH BIRCWH K12training program devoted to reproductive health and the environment in women (**W**omen's **H**ealth and the **E**nvironment across the **E**ntire **L**ifespan) which has successfully recruited 2 scholars whose work includes PCOS and osteoporosis studies.

Dr. Lewis continues her \$1.9 million grant from the National Institute General Medical Sciences to study retention of researchers with multidimensional mentoring. She continues to chair the mentoring committee on the CTSI award to the University of Rochester.

Dr. Srivastava has been working closely with Dr. Aritro Sen in the Department of Medicine, Division of Endocrinology, on detecting the expression of Cocaine-and amphetamine-regulated (CART) transcript in human granulosa-lutein cells from IVF patients at different body mass index (BMI) which has been associated with abnormal fertility in animal models.

We had several residents working on their resident research projects with the division this year. Dr. Fontaine is working with Dr. Hoeger along with Dr. Emily Barrett in the research division studying role of AGD as a marker for PCOS comparing PCOS and control patients.

Our faculty continues to have both national and international presence in Reproductive endocrine research.

National/International Presentations by REI faculty:

Dr. Hoeger

Debate: Women with PCOS are Predisposed to Obesity. 4th Peacocks International PCOS Symposium, Santa Fe, NM September 2011

Course Director and lecturer, ASRM Annual Meeting Postgraduate Program "PCOS: A Comprehensive Fertility Update" Orlando, October 2011

Course Developer, ASRM Annual Meeting Postgraduate Program "PCOS: Metabolic Impact and Long-term Management" Orlando, October, 2011

ASRM Roundtable Luncheon: "Lifestyle Management in PCOS" ASRM Annual Meeting October 2011

ACOG District II Annual Meeting. "Diagnosis and Management of PCOS in Adolescence". New York City, October 2011

St. Luke's and Roosevelt Hospital, Dept. of Obstetrics and Gynecology Grand Rounds. "Diagnosis and Management of PCOS in Adolescents". December 2011

Endocrine Society of Australia/Australian Pediatric Endocrine Group, annual meeting, Taft Clinical Keynote lecture. Management of PCOS in Adolescence, August 2011 Perth, Australia
Endocrine Society of Australia Clinical Weekend, Plenary lecture, Evaluation and management of risk in PCOS. August 2011, Fremantle, Australia

Dr. Queenan

Weill Cornell Medical Center, New York Hospital, Dept. of Obstetrics and Gynecology Grand Rounds. "Preimplantation Genetic Diagnosis: Standing at the Intersection of Genetics and Reproduction". New York, NY; Jamaica Hospital, Queens NY; New York Hospital Queens, Flushing NY; Lincoln Hospital, Bronx, NY May 7-8, 2012.

ACOG District II Annual Meeting. "Preimplantation Genetic Diagnosis: Standing at the Intersection of Genetics and Reproduction". New York, NY October 29, 2011

SREI fellows Retreat . "CPT coding for ART: A Day in the Life of a Reproductive Endocrinologist." "Frequently Asked Questions for Gyn Surgery and Procedures." Park City, Utah. July 31- August 1, 2011.

Columbus Comprehensive Review . "Diagnosis, Medical and Surgical Management of Ectopic Pregnancy." "Hirsutism and PCOS"; "Recurrent Pregnancy Loss"; "Gyn Case Reviews" "Evaluation and Management of Infertility and Ovulation Induction". Columbus, OH. September 20-21, 2011.

20th Annual Review of Obstetrics and Gynecology. "Ovulation Induction"; "Management and Prevention of Complications in Laparoscopic and Hysteroscopic Surgery"; "Ectopic Pregnancy"; Evaluation and Management of Hirsutism and PCOS". Lake Buena Vista, Fla. October 26-27, 2011.

Dr. Srivastava

Awarded Clinical Consultant (CC) certification in 2012 from American Board of Bioanalysis (ABB), St Louis, MO

Dr. Lewis

National Institute of Health -Brainstorming ideas for conducting studies with the peer review system: strategies for enhancing diversity of the biomedical workforce. March 2012

Annual Meeting of the Society of Clinical Translational Science. Researcher resilience through multidimensional mentoring. Washington DC, April 2012

Publications:

Dr. Hoeger

KM Hoeger. The challenge of managing polycystic ovary syndrome in adolescents. SRM 9(3) 5-11, 2011

KM Hoeger and SE Oberfield. Review: do women with PCOS have a unique predisposition to obesity? Fertil Steril 97(1) 13-17, 2012

M Harris-Glocker, **KM Hoeger.** Diagnosis and Management of Polycystic Ovary Syndrome. Peri-facts 2012

Dr. Queenan

Book Chapters

2011 Ob/Gyn Coding Manual: Components of Correct Procedural Coding. American Congress of Obstetrics and Gynecology, Washington, DC 2011

Frequently Asked Questions in Obstetrics and Gynecology Coding, 6th Edition. American Congress of Obstetrics and Gynecology, Washington, DC, 2011.

Dealing with Third Party Payers *in* The Essential Guide to Coding in Obstetrics and Gynecology, 5th Edition, American Congress of Obstetrics and Gynecology, Washington, DC, 2011.

Dr. Lewis

Martina CA, Pearson, TA, Goodman S, Morse E, **Lewis V.** Researcher Resilience through Multidimensional Mentoring. Clinical and Translational Science, Volume 5, Issue 2 page 199

FUTURE PLANS

We are anticipating continued growth in our clinical offerings this year while we expand the robotics surgery offerings with the addition of Drs. Vitek and Bhagavath and focus our efforts on continued IVF growth. We look to expand our fertility preservation with vitrification options. Dr. Srivastava has been working on the establishment of a new Andrology Laboratory in the Department of Pathology and acting its off-site laboratory Director. Our research program will expand to explore environmental influences in the development of PCOS. We are incorporating the ASRM clinical modules to improve resident knowledge base in REI.

Table 1: Ovulation induction cycles (no IUI)2011

	CC only	CC/HCG	Gonadotropins
Total cycles	37	143	31
Ongoing pregnancies	8	11	8
Percent ongoing pregnancy	21.6%	7.7%	25.8%

Table 2. Ovulation with IUI 2011

	No med	CC only	CC/HCG	Gonadotropins	FSH with Antagonist
Total cycles	127	65	666	434	26
Ongoing Pregnancies	6	12	64	75	2
% ongoing	4.7%	18.5%	9.6%	17.3%	7.7%

Table 3: Donor Sperm IUI 2011

	No meds	CC only	CC/HCG	Gonadotropins
Total cycles	64	8	102	49
Ongoing pregnancies	12	2	15	7
Percent pregnancy	18.8%	25%	14.7%	14.3%

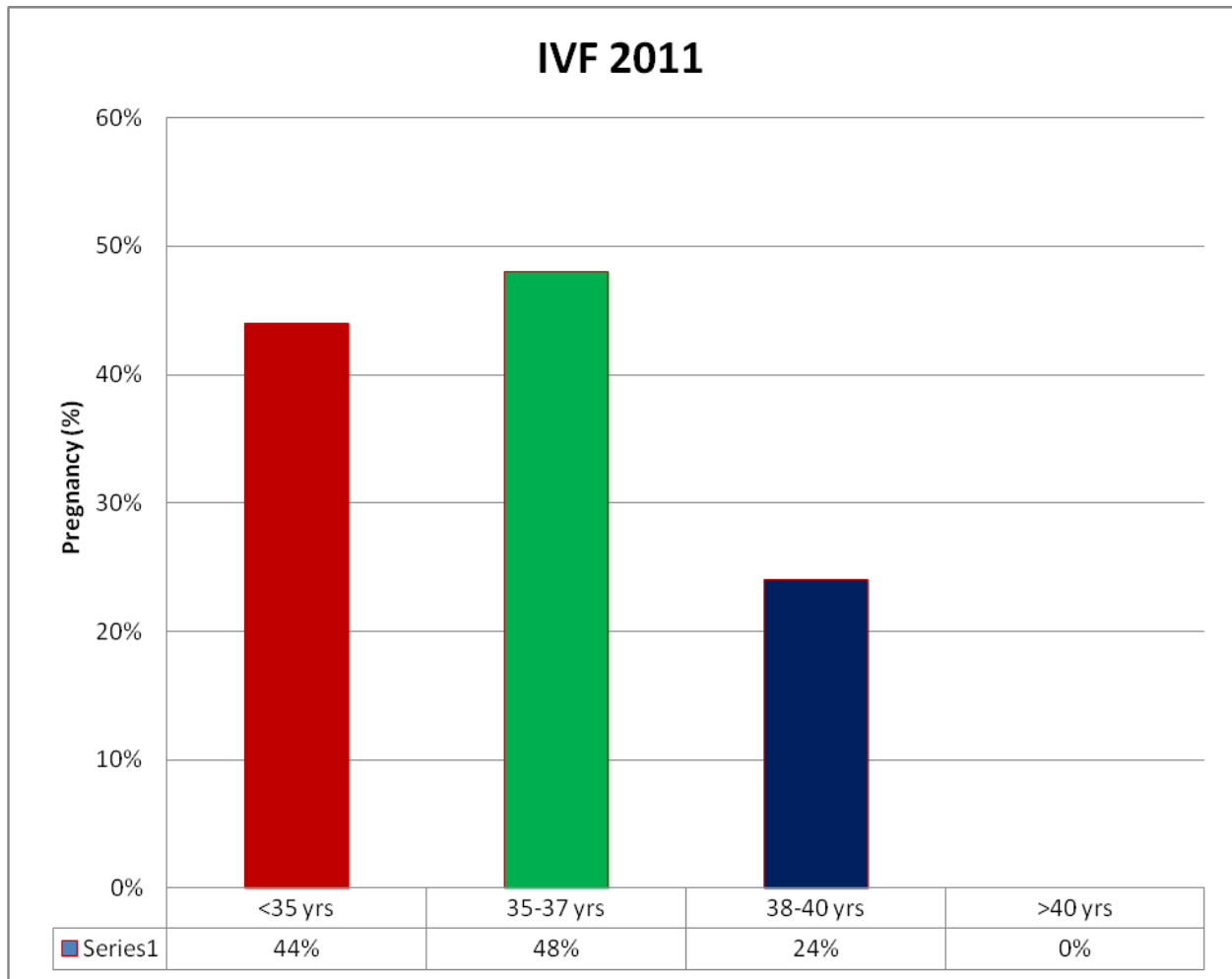
Table 4: Age and Fertility treatment 2011

	<40 yrs			>40 yrs		
	No Meds	CC	FSH	No Meds	CC	FSH
Number of cycles	176	707	394	15	134	124
Number of pregnancy	18	88	77	0	5	8
Percent pregnancy	10.2%	12.4%	19.5%	0	3.7%	6.4%

Table 5. Multiple pregnancy with ovulation induction 2011

	CC	Gonadotropins
Twins	10 (13.1%)	14(18.6%)
Triplets	1 (1.3%)	4(5.3%)

Figure 1.



UROGYNECOLOGY AND RECONSTRUCTIVE PELVIC SURGERY



Gunhilde Buchsbaum, M.D.
Professor and Division Director
Director of Female Pelvic Medicine and Reconstructive Surgery
Fellowship Program

The Division of Urogynecology and Reconstructive Pelvic Surgery faculty also includes: Erin Duecy, M.D., Pamela Wigent, N.P., Varuna Raizada, MDDB (3rd year fellow in Female Pelvic Medicine and Reconstructive Surgery), Paula Doyle (1st year fellow in Female Pelvic Medicine and Reconstructive Surgery)

INTRODUCTION

The Division of Urogynecology and Reconstructive Pelvic Surgery is now in its 7th year. This is the report for the 2011-2012 academic year.

CLINICAL

Since we have not been able to recruit an additional faculty member to our division, the clinical volume has remained largely unchanged, since the clinical capacity of the current faculty has been maximized.

The potential clinical volume would warrant two more full-time urogynecologists.

TEACHING

The Division of Urogynecology remains committed to excellence in education at all levels of medical care, including medical care providers and patients.

All third year residents in Obstetrics and Gynecology continue to spend two two-week rotations in Outpatient Urogynecology in our clinical office, receiving training in the evaluation and conservative management of pelvic floor disorders. Members of the division supervise twice monthly outpatient Urogynecology Clinic at Women's Health Practice, where residents evaluate and manage patients with pelvic floor disorders.

Resident surgical experience in pelvic reconstructive and continence procedures occurs during the Inpatient Gynecology rotation at Strong Memorial Hospital and residents at all levels participate in the surgical care of our patients. The division participates in the resident core curriculum lecture series, offering lectures on pelvic floor disorders and peri-operative physiology & care of the geriatric patient.

Residents in Family Medicine continue to attend a weekly Outpatient Urogynecology clinic as part of an elective in Obstetrics and Gynecology.

An elective rotation in Urogynecology is part of the curriculum for Urology residents.

All of the members of the Division have been active in medical student education, including Problem Based Learning modules on Pelvic Floor Dysfunction & Vulvar Disorders for 3rd year students and the annual Introduction to Urogynecology for 2nd year students. The division participates in the 3rd year student core rotation lecture series and hosts 3rd and 4th year students with an interest in OB/GYN in faculty ambulatory clinics.

Additionally, the Division's members have been presenting at various CME courses and grand rounds.

RESEARCH

The members of the Division of Urogynecology and Reconstructive Pelvic Surgery conduct clinical research as permitted due to the restraints placed on faculty by the increased clinical load.

Ongoing Projects and Principal Investigator (Pi)

- "De Novo pelvic floor disorders in women with gynecologic cancers"
PI Dr. Gunhilde Buchsbaum - ongoing
- "Impact of Pelvic Floor Musculature on Peripartum Outcome using Transperineal Ultrasound: A Prospective Study"
PI Dr. Tulin Ozcan, Co-PI Dr. Varuna Raizada, supported – ongoing
- Female urethral sphincter complex: a validation study comparing three and four dimension ultrasound and magnetic resonance imaging
PI Gunhilde Buchsbaum, Co-PI Varuna Raizada, supported – ongoing
- Ultrasound findings of urethral complex in asymptomatic nulliparous women on 3-dimension ultrasound study.
PI Varuna Raizada, Co-PI Gunhilde Buchsbaum - ongoing
- Ultrasound Findings of Urethral Complex in Females with Urinary Incontinence: A Case Control Study
PI: Gunhilde Buchsbaum, Co-PI Varuna Raizada , supported- ongoing

PRESENTATIONS AT SCIENTIFIC MEETINGS

Raizada VR, Dolan JG, Duecy EE. Cost effectiveness analysis of clinical strategies used to manage stress urinary incontinence at the time of repair of pelvic organ prolapse in women. Oral Poster. 107th Annual Meeting of the American Urological Association. Atlanta, GA. | 2012

Raizada, V; Duecy, E; Dolan J. Clinical decision analysis study for evaluating the managing stress urinary incontinence at the time of repair of pelvic organ prolapse. Non-oral Poster. 38th Annual Scientific Meeting of the Society of Gynecologic Surgeon's. Baltimore, MD. | 2012

Crosby E, Hackney D, Duecy E. Evaluation of blood pressure changes after gynecologic surgery. Non-oral Poster. 37th Annual meeting of the Society of Gynecologic Surgeons. San Antonio, TX. | 2011

Crosby E, Vilasagar S, Duecy E, Flynn M. Outcomes of expectant management of bladder perforation at the time of midurethral sling placement. Non-oral poster. 32nd annual meeting of the American Urogynecologic Society. Providence, RI. | 2011

McNanley AR, Perevich M, Glantz JC, Duecy EE, Flynn MK, Buchsbaum GM. Bowel function after minimally invasive urogynecologic surgery: a prospective randomized controlled trial. Oral presentation. Presented at the 32nd Annual Meeting of the American Urogynecologic Society. | 2011

PUBLICATIONS

Doyle PJ, Buchsbaum GM. Urinary Tract Infections in Women. Peri-FACTS, March 2012

Buchsbaum GM, Thomas SG. Prevalence of urinary incontinence and pelvic organ prolapse in women with Gynecologic cancers. Female Pelvic Medicine & Reconstructive Surgery. 2011;17(5, Supplement 2):S133.

McNanley AR, Perevich M, Glantz JC, Duecy EE, Flynn M, Buchsbaum GM. Bowel function after minimally invasive urogynecologic surgery: a prospective randomized controlled trial. Female Pelvic Med Reconstr Surg. 2012 Mar-Apr;18(2):82-5

FUTURE PLANS

The general direction for the Division of Urogynecology remains unchanged. The main objective remains recruiting additional faculty in order to move ahead with our clinical goals and expand research activities.

EDUCATIONAL PROGRAMS

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2011 - June 30, 2012

MEDICAL STUDENT EDUCATION



Colby A.H. Previte, M.D.
Medical Student Education Director

Education in Women's Health is evident in all four years of medical school at our institution. Current goals for the education program are to increase medical student recruitment into obstetrics and gynecology, improve education through early exposure and quality of teaching in our field, and increase interest in obstetrics and gynecology starting from the first year of medical school.

MEDICAL STUDENT RECRUITMENT IN OB/GYN

At the University of Rochester there has been relatively no change in the number of students choosing obstetrics and gynecology this past year. The number of students choosing Ob/Gyn in the last seven years is listed below:

Year of Graduating Class	Students Matching in Ob/Gyn
2005	6
2006	4
2007	4
2008	10
2009	3
2010	4
2011	7
2012	8

Eight students in the Class of 2012 chose Ob/Gyn as a career choice and all eight successfully matched. These students and match sites are listed below.

Class of 2012

Falae, Adebola	Tulane University SOM - LA
Fichter, Jennifer	University of Rochester/Strong Memorial Hospital - NY
Lee, Ariel	Tulane University SOM - LA
Pensak, Meredith	Pennsylvania Hospital
Petersen, Rebecca	University of Minnesota Medical School
Shaw, Arie	University of Tennessee COM - Memphis
Wilson-Leedy, Jonas	Hershey Medical Center/Penn State PA
Zigler, Rachel	Barnes-Jewish Hospital - MO

During the fall of 2012, four students from the University of Rochester School of Medicine and Dentistry are applying to residency programs in Obstetrics and Gynecology. The four students are interviewing at programs across the country, and each was granted >10 interviews.

INTEREST GROUP

Our Department also gives the students an additional opportunity to become familiar with our field through the Ob/Gyn Interest Group in Year 1 and Year 2. Dr. John Queenan has been the faculty coordinator for the Interest Group, which is comprised of approximately 40 medical students from both Year 1 and Year 2. The meetings take place in a relaxed setting designed to inform students of what we do and how enjoyable it can be as obstetricians and gynecologists. Some topics presented focus on “a day in the life of an Ob/Gyn”, Labor and Delivery, Reproductive Health, and Residency Match in Ob/Gyn. We have had mixers in which students, Ob/Gyn residents and faculty meet to introduce ourselves and our field.

TEACHING RECOGNITION

Although one of our aims is to improve the quality of teaching, amongst our colleagues there are exceptional teachers. Our department annually recognizes one outstanding faculty member who demonstrates excellence in teaching particularly in undergraduate medical education. This is the APGO Excellence in Teaching Award. Last year’s recipient is listed below.

2011 APGO Excellence in Teaching Award—Sajeena Thomas, M.D.

WOMEN’S HEALTH CURRICULUM AT THE U OF R MEDICAL SCHOOL

The Double Helix Curriculum (DHC) is an educational trademark of the U of R Medical School. It emphasizes the integration of basic science and clinical science through self-directed, adult learning methods. Our department has implemented these changes successfully throughout the four years of medical school. Many educational techniques introduced through the DHC are utilized in the Women’s Health Curriculum: interest group, lectures, workshops, integration conferences, problem-based learning, early clinical experiences in private offices, clerkship and specialty electives.

1st Year students

Clinical skills training starts in the first year of medical school. The Department of Obstetrics and Gynecology has implemented the curriculum changes throughout the four years with ongoing modifications of the Double Helix Curriculum as it pertains to obstetrics and gynecology.

The first year medical students are introduced to the principles of examining the female patient in the course Introduction to Clinical Medicine. This introduction to the breast and pelvic examination has been purposely integrated to simultaneously coincide with the student's education of the female pelvic anatomy. Students are prepared with an introductory lecture and video of the breast and pelvic examination as first year students.

INTEGRATION CONFERENCE: Male/Female Genitourinary Anatomy and Examination – November

Dr. Colby Previte presents a didactic session on female anatomy and basics of the female breast and genitourinary examination, including breast examination, breast cancer screening recommendations, sterile speculum examination, culture and cervical cytology obtainment, cervical cancer screening recommendations, saline microscopy, and bimanual examination. This didactic session is followed by small group sessions with plasticized models of the breast and pelvis. In small group sessions, the students practice manipulating a speculum, and performing examinations. In 2011, Dr. Sarah Betstadt participated as the second small group leader with Dr. Previte. (The male GU didactics are conducted by Dr. William Hulbert of Urology.)

INTEGRATION CONFERENCE: Introduction to Cervical Cancer Screening – May

In addition, the first year students have a three-hour conference referred to as the Integrated Conference in which core objectives of the curriculum are taught—Nutrition, Preventative Care, Ethics and other principles. Our Department teaches an Integrated Conference on Cervical Cancer screening.

Drs. Eugene Toy and Bob Rose introduce first year students to cervical cancer screening, management of abnormal pap smears and cervical cancer and recent vaccine technologies developed for cervical cancer prevention. The integration conferences are three hour sessions incorporating didactic sessions and clinical-pathology correlates in a small group setting.

2nd Year Students

INTEGRATION CONFERENCE ON CONTRACEPTION – LATE FALL OR MID-SPRING

Our Department teaches one of these conferences in the area of Contraception and the other is taught by Family Medicine in the area of Human Sexuality. The Integrated Conference on Contraception is one hour of general overview of epidemiology and contraceptive methods. The other two hours consist of small group sessions on individual methods, the usage indications and risk/benefit counseling. Dr. Sarah Betstadt is the coordinator.

PRIMARY CARE CLERKSHIP (PCC)

ORIENTATION TO BREAST/PELVIC EXAMS STANDARDIZED PATIENTS – SEPT/OCT

The second year class is introduced to a standardized patient on whom they perform a breast and pelvic examination. An experienced preceptor gives them direct, hands-on instruction and feedback. The instruction takes place as a small group setting with 2-3 students, one preceptor, and one standardized

patient. These sessions are on Monday evenings in the Women's Health Center. As of Fall 2012, these sessions have moved to the new Women's Health Practice location at Lattimore Road.

OB/GYN DIDACTIC SESSIONS AND OFFICE SESSIONS:

Starting in January 2012, the second year students got introduced to basic OB/GYN topics through a series of lectures and workshops. Each didactic session has a lecture component with an embedded clinical case. The topics for 2012 included: Women's Health Maintenance Exam, Vaginitis, Preconception Counseling and Care, Abnormal Uterine Bleeding, Abortion, and Early Pregnancy Loss. Dr. Colby Previte gave the didactics with the exception of Early Pregnancy Loss. Emilie Wasserman, third year medical student, wrote and taught the didactic on Early Pregnancy Loss as part of the University of Rochester School of Medicine and Dentistry's Medical Education Pathway (MEP). Dr. Colby Previte served as her MEP mentor for this project. The topics of Pregnancy Screening and Infertility were reviewed via self-study materials provided to the students.

Following the didactic sessions, the students had three sessions in local offices with individual preceptors to see patients, take histories, perform physical exams, and learn basic OB/GYN differential diagnoses. These preceptors are full-time and part-time faculty at both Highland and Strong Hospitals, community physicians practicing at Unity Hospital and Rochester General Hospital, URMC OB/GYN resident physicians, midwives, and nurse practitioners.

At the completion of the OB/GYN portion of PCC, the students take an examination that covers topics of OB/GYN, including breast and pelvic examinations, Well-Woman Care, Preconception Care, Vaginitis, Abnormal Uterine Bleeding, Abortion, and Miscarriage. These questions are written by Dr. Previte and Dr. Anne Nofziger, Course Director for the Primary Care Clerkship.

In the 2012-2013 academic year, this component of the curriculum is being spread across the academic year to enable students to have access to women's health educational topics prior to entering the general primary care offices.

DISEASE PROCESSES AND THERAPEUTICS 2 – FEBRUARY

The second year students are taught the principles of obstetrics and gynecology in second half of the second year. This course is referred to as the Integrated Systems B. Dr. David Hackney served as the director of this component of the curriculum until the summer of 2012. As of Fall 2012, Dr. Wendy Vitek has taken over as coordinator of the obstetrics and gynecology curriculum for this course. Several faculty members of our department give the core lectures on maternal and fetal physiology, normal menstrual cycle, normal and abnormal sexual development—just to name a few. In addition, the students have four obstetrical cases in a course referred to as the Disease Processes and Therapeutics. The ratio of student to preceptor is approximately 25 to 1. The cases were designed to incorporate concepts and principles taught in the Integrated Systems.

3rd Year Students

The third year students then have a 5-week clinical obstetrics and gynecology clerkship. These five weeks are divided into one week of day Obstetrics, one week of Night Float, two weeks of Gynecology (with at least one week of benign gynecology, and one week of oncology at the Highland and Rochester General sites), and one week of Ambulatory.

After the 5-week clerkship ends, the students then have one week of basic sciences of Ob/Gyn in the format of lectures. The students are all required to take and pass the NBME (national board examinations

in obstetrics and gynecology). We have made strides in improving our clerkship and this has been reflected in feedback from students.

- Dr. Previte has continued with a number of initiatives added in the 2010-2011 academic year.
 - There is now dedicated time during the clerkship spent on teaching students how to elicit constructive feedback in an effective manner. Students are given a resource sheet that contains multiple possible discussion points that they may use to start a conversation with their teams when eliciting feedback.
 - There is increased focus on how to handle difficult clinical and professional situations.
- In order to standardize teaching across the course of the academic year, the faculty use a series of “teaching keys” for didactic sessions.
- The “expectations and performance tips” document continues to be updated based upon student feedback.
- A “checklist” for the clinical site tours at Highland and Strong was created, to standardize the places/items to which the students were introduced.
- The “site coordinator didactics” have been divided among the site coordinators with students from all three sites coming together to be taught by site coordinators. This has allowed the site coordinators to get to know each of the students rotating, and has served to standardize the didactic experience.

There are a number of current projects underway for the clerkship:

- Updating the student clerkship “passport,” which serves as both a guide for expected experiences and as a feedback tool for the students.
- Review and update of the weekly didactic cases, objectives, and teaching keys.

The site coordinators for the third year clerkship are:

Highland Hospital – Colby Previte, M.D.

Rochester General Hospital - Dr. Rehan Asif

Strong Memorial Hospital – Dr. Amy Harrington

On the medical school level, in the 2011-2012 academic year, the third year students highlighted increasing satisfaction about the clerkship experience. As compared with other third year clinical rotations, the OB/GYN clerkship satisfaction rose above that of three other clerkships in the 2011-2012 academic year.

3rd Year/4th Year Students

Dr. Christopher Glantz oversees the fourth year student electives in obstetrics and gynecology. He is the Course Director of the Maternal Fetal Medicine Elective and the OB/GYN Sub-Internship. He and Dr. David Foster are co-directors of the Ambulatory elective. Dr. Brent DuBeshter is the Course Director of the Gynecologic Oncology elective, which is also open to third year students who have completed the OB/GYN clerkship. Dr. John Queenan is the Course Director of the Reproductive Endocrinology elective. Dr. Sarah Betstadt and Dr. Amy Harrington are the Course Directors for the Family Planning elective. Students have also designed electives tailored to their needs choosing to work with physicians with an area of expertise.

Our department has put forth a tremendous effort in the education of medical students of all four years. We will continue to strive to improve the education program through teaching and finding ways to peek students’ interest in obstetrics and gynecology.

RESIDENCY EDUCATION PROGRAM



Erin E. Duecy, M.D., M.S.
Ob/Gyn Residency Program Director

The 2011/2012 academic year ended with the welcoming of a new group of first year residents who bring to the program a diverse set of experience and talents:

Name	Medical School
Snigdha Alur, MD	Jefferson Medical College of Thomas Jefferson University
Corrie Anderson, DO, MA	University of New England College of Osteopathic Medicine
Jennifer Fichter, MD	University of Rochester School of Medicine and Dentistry
Megan Locher, MD	Oregon Health & Science University School of Medicine
Laura Melcher, MD	University of Minnesota Medical School
Amy Nosek, MD	University of Buffalo SUNY SOM and Biomedical Sciences
Chinedu Nwabuobi, MD, MS	Albert Einstein College of Medicine of Yeshiva University
Raksha Soora, MD	University of Arkansas for Medical Sciences COM

Current residents were once again integral to the recruitment process by sponsoring informal applicant meetings in their homes the evening before each interview day. There continues to be diversity among the applicant pool with 70% of invited applicants coming from medical schools outside of New York State. Significant faculty exposure in the form of the Division Directors meeting with all applicants to discuss the program as well as large number of faculty conducted interviews has been noted as a strong point by many applicants.

The Advisory Committee on Education in Obstetrics & Gynecology (ACE) continued to serve as an excellent forum for discussion of important residency program issues. Faculty representatives from Highland Hospital as well as resident representatives (administrative chiefs, Mitchell Linder, MD and Lisbeth Murphy, MD and third year representatives, Leigh Berven, MD and Natalie Whaley, MD) met regularly throughout the year to address many issues including the ACGME Outcome Project, core competencies, learning objectives, the evaluation process, and curriculum development.

Another successful Resident Research Day was conducted in April, 2012 and complemented by the Chief Resident Dinner and Awards Ceremony held at Casa Larga in June.

RESEARCH DAY ACTIVITIES

April 26, 2012

RESEARCH PAPERS AND PRESENTATIONS

Resident Papers:

“Patient Perception of Safety of Hormonal Contraception Compared to Pregnancy in Patients Presenting for Abortions”

Presented by Brandy Becker, MD

“Continuation Rates of Long-Acting Reversible Contraceptives Inserted Immediately Following First and Second Trimester Abortions”

Presented by Leigh Berven, MD

“Patient and Practitioners Perceptions of Ultrasound Screening in Pregnancy”

Presented by Susan Bradford, MD

“Half Day vs. Full Day Resident Clinics and the Impact on Continuity, Provider Satisfaction and Inpatient Workflow”

Presented by Jennifer Myers, MD

“Is Obesity Associated with an Increased Rate of Fetal Growth Restriction?”

Presented by Maureen Perdue, DO

“Pregnancy Outcomes of Women with Failure to Retain Rubella Immunity”

Presented by Christopher Schwartzburg, MD

“The PIP study: Improving Rates of Postpartum IUD Placement with Prescheduled Appointments”

Presented by Holly Stevens, MD

“Physician Knowledge and Attitudes about Expedited Partner Treatment”

Presented by Natalie Whaley, MD

32nd ANNUAL JEROME H. RUDOLPH MEMORIAL LECTURE

“Preservation of Fertility in Gyn Cancers”

Presented by Linda R. Duska, MD
Associate Professor with Tenure
Department of Obstetrics and Gynecology
Division of Gynecologic Oncology
Fellowship Director for Gynecologic Oncology
University of Virginia School of Medicine
Charlottesville, Virginia

RESIDENTS' COMMENCEMENT HONORS AND AWARDS

Administrative Chiefs for 2011/2012:

Mitchell Linder, MD and Lisbeth Murphy, MD

William Clay Award

Established in 1995, this award is in recognition of the intern who has demonstrated outstanding skills as a teacher and compassionate physician as exemplified by the life and career of Dr. William Clay, Jr.

Recipient: **Charisse Loder, MD**

Gilford Woodrow Wilson Memorial Award

Established in 1999, this award is in recognition of the resident who has consistently displayed the compassion to his or her patients that was displayed towards Fletcher and Hollis Wilson during Gilford's life.

Recipient: **Natalie Whaley, MD**

Ward L. Ekas Award

Established in 1968, this award is in recognition of the resident who has demonstrated characteristics of leadership among his/her peers.

Recipient: **Lisbeth Murphy, MD**

Curtis J. Lund Awards

Established in 1972, these awards are in honor of Dr. Curtis J. Lund. The earnings from the Lund Fund are to be used as prize money for the winning scientific papers presented by the house staff each year on research day.

1st place winner: **Natalie Whaley, MD**
2nd place winner: **Jennifer Myers, MD**
3rd place winner: **Christopher Schwartzburg, MD**

Faculty Award

Established in 1973 by the interns and residents in the Department of Ob/Gyn, this award is in recognition of a faculty member for his/her excellence in teaching and his/her interest in the professional development of the house staff.

Recipients: **Carole J. Peterson, MD (Highland Hospital)**
Joseph J. Scibetta, MD (Strong Memorial Hospital)

Richard E. Fullerton Award

Established in 1995, this award is in recognition of the second year resident who has demonstrated outstanding skills as a teacher and compassionate physician as exemplified by the life and career of Dr. Richard E. Fullerton.

Recipient: **Elizabeth Fontaine, MD**

The Obstetrics and Gynecology Department Award

In recognition of the Ob/Gyn resident who has consistently demonstrated excellence in teaching of medical students and fellow residents.

Recipient: **Jillian Babu, MD**

The Obstetrical Perinatology Award

Established in 1982, this award is in recognition of the Ob/Gyn nurse who has demonstrated interest, compassion and a progressive attitude toward the care of complicated obstetrical patients.

Recipient: **Leah VaillanCourt, RNC**

Established in 1982, this award is in recognition of the Ob/Gyn resident who has demonstrated interest, compassion and a progressive attitude toward the care of complicated obstetrical patients.

Recipient: **Natalie Whaley, MD**

Oncology Resident Award

In recognition of the Obstetrics-Gynecology Resident who has demonstrated high achievement in Gynecologic Oncology on the CREOG in training examination.

Recipient: **Courtney Olson-Chen, MD**

Urogynecology Award

In recognition of the Senior Resident in Obstetrics and Gynecology who has demonstrated outstanding understanding of the concepts of normal function and of bladder and pelvic organ support; who further has demonstrated the ability to apply these concepts to the evaluation and the treatment of patients with incontinence and pelvic organ prolapse, and who, therefore, shows great promise to further the care of women with these conditions in general practice or as a specialist.

Recipient: **Natalie Whaley, MD**

OTHER AWARDS/OPPORTUNITIES DURING 2011/12:

AAGL Resident of Excellence in Endoscopic Procedures

This award is presented annually by the American Association of Gynecologic Laparoscopists (AAGL) to a chief resident who has special excellence in endoscopic procedures.

Recipient: **Jillian Babu, MD**

APGO Excellence in Teaching Award

This award is given by the Association of Professors of Gynecology and Obstetrics (APGO) and the Department of Obstetrics and Gynecology in recognition of excellence in teaching with an emphasis on undergraduate education.

Recipient: **Sajeena Thomas, MD**

CREOG 2012 National Faculty Award for Excellence in Resident Education

This award is given by the Council on Resident Education in Obstetrics and Gynecology (CREOG) in recognition of excellence in resident teaching.

Recipient: **Sarah Betstadt, MD, MPH**

The Arnold P. Gold Foundation Humanism in Resident Teach Award

Recipients are selected by the 4th year medical school class as a resident who most “contributes to the humanistic development of medical students.”

Recipients: **Leigh Berven, MD**
Elizabeth Fountaine, MD
Jennifer Myers, MD

The Society of Laparoendoscopic Surgeons

This award is given the Society of Laparoendoscopic Surgeons (SLS) for the resident surgeon who has shown outstanding achievement and promise in the field of laparoscopy.

Recipient: **Holly Sato, MD**

2011 Iffath Abbasi Hoskins, MD Junior Fellow Research Day Award Finalist

Three finalists are chosen to showcase their research projects during the Annual District Meeting (ADM) in New York City.

Recipient: **Lori Homa, MD**

ACM Blue Ribbon Award

This award is presented in recognition of the top 10% of abstracts presented at the American College of Obstetrics and Gynecology Annual Clinical Meeting.

Recipient: **Jillian Babu, MD**

HIGHLAND HOSPITAL

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2011 - June 30, 2012

**(REPORT NOT SUBMITTED FOR
THIS YEAR)**

RESEARCH

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2011 - June 30, 2012

RESEARCH DIVISION

The Research Division faculty also includes: Emily S. Barrett, Ph.D., Morton W. Miller, Ph.D., Richard K. Miller, Ph.D., Shawn P. Murphy, Ph.D., Amber Rinderknecht, Ph.D., Patricia M. Rodier, Ph.D., Rajesh Srivastava, Ph.D., Richard W. Stahlhut, M.D., M.P.H., Christopher J. Stodgell, Ph.D. and Ronald W. Wood, Ph.D.

DEPARTMENT HIGHLIGHTS

- ◆ 10 New Grants in the Department.
- ◆ 49 Active NIH and non-NIH Grants in the department with total costs of \$16,068,128
- ◆ 51% of the PhD or MD faculty members are PI on a grant
- ◆ 39% of the MD faculty members are PI on a grant.

RESEARCH DIVISION HIGHLIGHTS FOR 2011 – 2012:

1. **6 New Grant Awards for Research Faculty:**
 - a. *Emily Barrett, Ph.D.* from Mae Stone Goode in the amount of \$14,999 for “Prenatal Androgens and PCOS.”
 - b. *Shawn P. Murphy, Ph.D.* from Mae Stone Goode in the amount of \$8,000 for a supplement to “Inhibition of IFN- γ Responses in Human Trophoblast Cells: Role in susceptibility to Infection by Intracellular Pathogens.”
 - c. *Richard W. Stahlhut, M.D., M.P.H.* from Mae Stone Goode in the amount of \$15,000 for a supplement to “The effects of bariatric surgery on levels of persistent organic pollutants in women of childbearing age.”
 - d. *Richard W. Stahlhut, M.D., M.P.H.* from Passport Foundation in the amount of \$26,390 for “Concentrations of unmetabolized bisphenol A in central vs subcutaneous fat in adult decedents at autopsy.”
 - e. *Christopher J Stodgell, Ph.D.* from Mae Stone Goode in the amount of \$10,000 for “Equipment proposal: Biotek epoch system spectrophotometer.”
 - f. *Ronald W. Wood, Ph.D.* from SUNY Upstate / NIH in the amount of \$23,175 for “Genetics of Spontaneous Pelvic Organ Prolapse in the Mouse.”
2. **Morton Miller, Ph.D.**, Technical Consultant: National Council on Radiation Protection and Measurements. NCRP Scientific Committee 1-16 (“Uncertainties in the Estimation of Radiation Risks and Probability of Disease Causation.”)
3. **Richard K. Miller, Ph.D.**, was a recipient of the 2011 Bock Prize in Developmental Biology and Child Health.
4. **35 Peer-Reviewed Publications** in journals including: Birth Defect Research A and B, American Journal of Obstetrics and Gynecology, Pediatric and Developmental Pathology, Health Perspectives, Arthritis & Rheumatism, BMC Urology, Toxicology and Applied Pharmacology, Arthritis Research Therapy, Arthritis Care & Research, Annals of the New York Academy of Sciences, Urology, Endocrinology, Environmental Research, Journal of Developmental Origins of Health and Disease, Journal of Maternal-Fetal and Neonatal Medicine
5. **13 Presentations** at national and international meetings including: Biorepository Collaborative Summit for Health Disparities Research, 6th International Workshop on Bone Biology and Traditional Chinese Medicine, BPA Grantee Research Update and

Coordination Meeting, 6th Annual Human Placenta Course, Joint Congress of the American and European Societies of Reproductive Immunology, 52nd Meeting of the Teratology Society, National Children's Study Research Program at the Teratology Society, NIH-FDA Workshop, University of Michigan School of Public Health, 7th NICHD-CIHR Summer Institute in Maternal-Fetal Pharmacology,

FACULTY

Emily S. Barrett, Ph.D. is an Assistant Professor of Obstetrics and Gynecology at the University of Rochester School of Medicine and Dentistry. 2011-2012 marked her first full year as a scholar in URMC's new BIRCSW (NIH-K12) program entitled WHEEL, or Women's Health and the Environment over the Entire Lifespan. During her tenure as a WHEEL scholar, Dr. Barrett will examine how environmental factors, particularly those operating early in development, affect ovarian function and fertility. To that end, she initiated and implemented multiple projects over the year, including both new data collections and secondary data analyses. Among these is a case-control study of biomarkers of prenatal androgens in women with and without polycystic ovary syndrome, funded by the Mae Stone Goode foundation in early 2012. Dr. Barrett also continues to analyze data from three large studies of women's reproductive health, the Energy Balance and Breast Cancer Aspects Study (Norway), the Study for Future Families (multi-center, USA) and the Women's Reproductive Health Study (California). During the year she published two peer-reviewed papers on women's health, with several more currently under consideration at journals.

During the year, Dr. Barrett also continued her work as Center Director for the NIEHS-funded, multi-center The Infant Development and Environment Study (TIDES), directly supervising a team of three study coordinators and a research assistant and leading the study efforts in Rochester. At present, the team has completed recruitment for the study and will now follow over 200 participating women through their pregnancies and beyond. Dr. Barrett and the TIDES team are in the process of applying for funding for follow-up of the TIDES babies beyond age 1 as well as working on manuscripts from the first emerging data.

Dr. Barrett continued as co-Director of the Office of Research Administration in the Department of Obstetrics and Gynecology (appointed 2011). In this position, she oversees the scientific and administrative aspects of all research underway in the department. Additionally, she was named as the department reviewer for the Research Subjects Review Board in 2010 and continues in that role at present.

Morton Miller, Ph.D. an NIH Merit Awardee and an Emeritus Faculty member, continues his research on the teratological effects of hyperthermic exposures (e.g. fever) and their biophysical basis. The scope of the research has expanded to include the effectiveness of hyperthermia and simultaneously applied chemical and physical teratogens. His projects have been funded in the past by the NCI, NICHD, NIBIB and the Mae Stone Goode Foundation, many in collaboration with Dr. Richard K. Miller. Dr. Morton Miller has had many national and international responsibilities, including INIRC committee membership on diagnostic ultrasound, hyperthermia and birth defects, membership in the AIUM's Bioeffects Committee, editorial board membership in WFUMB's Ultrasound in Medicine and Biology. Dr. Miller has been recognized as a Fellow of the American Institute of Ultrasound in Medicine (AIUM) and has been a long-term participant (> 40 years) in the National Council on Radiation Protection and Measurements (NCRP) activities. He has recently published in the Journal of Thermal Biology, and in Birth Defects Research (part C) on the ΔT thermal dose concept and its relation to hyperthermia-induced teratogenesis in mammalian systems.

Richard K. Miller, Ph.D. is Director of the Perinatal Environmental/Drug Consultation Service (New York State Teratogen Information Service) and Associate Director, Clinical Chemistry Laboratories (URMC). He is also Co-Director of the New York State of the Center of Excellence

in Children's Environmental Health. He continues his research on biomarkers to identify preeclampsia before symptoms develop as well as an investigation of how phthalates, bisphenol-A and triclosan may alter human trophoblast cell function. Further, he continues his research studies funded by NIH the role of the placenta in transporting nanoparticles. He is also working with Dr. Stodgell and Dr. Asher Ornoy of Hebrew University on a rat model of type II diabetes mellitus and the implications for fetal growth restriction and birth defects funded by the US/Israel Bi-National Science Foundation. Finally, Dr. Miller is lead investigator of a 16 institution National Children's Study Formative Research Project with Drs. Stodgell and Katzman exploring how to preserve the placenta for study of its vasculature and morphology as well as tissue for genetic - epigenetic, environmental assessment and isolation of stem cells. The objectives are to develop biomarkers in the placenta of future risk for childhood and adult disease by evaluating the human placenta.

Dr. Miller is the dysmorphologist for the US Ribavirin Pregnancy Registry and a member of the scientific review board for TERIS, the on-line Teratogen Information Service. Dr. Miller has been an invited speaker on several occasions this year including the Teratology Society (Baltimore), NIH-RTRN - Biorespository Collaborative Summit for Health Disparities Research (Honolulu), NIH-FDA Workshop on Animal Models of Pregnancy to Address Medical Countermeasures in the "at risk" Population of Pregnant Women: Studies for Influenza (Washington, DC), Education Course at the Teratology Society (Baltimore), the Society of Toxicology (Washington, DC), Placenta Association of the Americas/Society for Gynecologic Investigation (Orlando, FL), NICHD-CIHR Summer Institute in Maternal-Fetal Pharmacology (MD), Distinguished Toxicology Lecturer, University of Michigan (Ann Arbor), Bock Prize Lecturer, Nemours Fdn, faculty at 7th NICHD-CIHR Summer Institute in Maternal-Fetal Pharmacology (Montreal), organizer and speaker, National Children's Study Research Program at the Teratology Society (Baltimore).

He was chair of the Drafting Committee for the Teratology Society Position Paper on Herbal Usage During Pregnancy and a member of the Education Committee of the Teratology Society. He was also Chair of the International ENTIS-OTIS Scientific Research Committee and member of the OTIS Research Committee. He is also a member of the Pregnancy and Neonate Subcommittee of the NIH-WHO Committee on Health Burdens of Indoor Air Pollution(IAP) on Women and Children in Developing Countries. Member of the Organizing Committee for the XIII Meeting of the International Federation of Placenta Associations (Hiroshima, Japan). Member of the Editorial Board of Journal of Pregnancy. Dr. Miller was CourseMaster for Toxicology 530 coordinator for and lecturer in the Reproductive and Developmental Toxicology Section of Toxicology 522. He was involved with medical students in all four years including the 4th year medical student team for the Process of Discovery Program. Mentor for Jorien Sanderink (Toxicology Graduate Student - University of Nijmegen, the Netherlands), Aisha Siebert (MD-PhD Candidate, UR), Pamela Garcia Palido, (medical student, University of Bristol, UK), Katherine La Russo (medical student, Michigan State University), Joanthan Fricke (UR), Nicole Welling (High School Student, Greece Athena HS). This year, Dr. Miller has publications in Birth Defects Research B, J Developmental Origins of Health and Disease, J Maternal-Fetal Medicine, Peri-Facts, J Immunology.

Shawn P. Murphy, Ph.D. and his research team, Katie Burke, Meghan Bushway, and Ian Perry are studying the molecular immunology of pregnancy. Successful pregnancy requires that the maternal immune system and conceptus find a perfect balance whereby the genetically disparate fetus is not attacked by the mother's immune system, but yet maternal and fetal tissues are both protected from infection. The ultimate goal of our group is to identify the molecular mechanisms responsible for this phenomenon. We previously found that human trophoblast cells block responses to the pro-inflammatory cytokine interferon- γ (IFN- γ), which plays critical roles in

activating immunity to tumors, viruses and intracellular bacteria. All of this previous work was performed on isolated primary trophoblast cells and trophoblast-derived choriocarcinoma cell lines in vitro, which prevented us from determining the role(s) of the placental microenvironment on the regulation of these responses, or the extent to which other placental cells respond to this cytokine. Examination of the microenvironment within human placental villous structures has traditionally been performed using classical immunohistochemistry (IHC). However, this technique provides limited spatial information due to the inability to examine the intact architecture of villous structures. Therefore, Meghan Bushway, in conjunction with our colleagues Scott Gerber, Edith Lord, Phil Katzman and Richard Miller developed placental whole mount immunofluorescence (WMIF), which enables us to visualize multiple cell types, including both resident immune and endothelial cells, in the context of morphologically intact villous tissue. Striking morphological images of blood vessels were obtained using WMIF that were not observed with classical IHC. In addition, fetal macrophages and three distinct subpopulations of trophoblast cells found in the placenta were successfully detected within intact villous structures. We subsequently utilized WMIF to examine placental cell responses to the pro-inflammatory cytokine interferon- γ . Importantly, the syncytiotrophoblast layer and underlying cytotrophoblast mount little to no detectable response to IFN- γ , which is consistent with our hypothesis that these responses would be detrimental to successful pregnancy. Moreover, we demonstrated that placental vascular cells are also not responsive to IFN- γ , which is a potent anti-angiogenic molecule. This phenomenon may be important for maintaining development of the placental vasculature in order to provide sufficient nutrients to the growing fetus. Visualization of the intricate CD31+ vascular network demonstrates the advantage of utilizing WMIF compared to classical IHC for analyzing blood vessel morphology in early human placental tissues. Furthermore, the ability to stain for intracellular molecules using WMIF provides an added dimension of analysis over surface marker staining alone. Our future plans include using this methodology to compare the placental architecture in normal versus pathological pregnancies, and for studying the effects of environmental factors on placental function and morphometry.

Trophoblast cells block responses to IFN- γ by inhibiting the JAK-STAT-1 pathway. Since multiple other cytokines and growth factors also utilize JAK-STAT pathways for signaling, we hypothesized that human trophoblast cells may be selectively hyporesponsive to factors that signal through these pathways. To test this hypothesis, Katie Burke recently initiated studies to determine whether trophoblast cells also block responses to IFN- γ , which promotes an antiviral state and is therefore important as a first line of defense against viral infection. Katie has convincing evidence that human trophoblast cells also strongly inhibit responses to IFN- γ . These observations may provide an explanation for why pregnant women are preferentially susceptible to infection by viruses that can infect the placenta. To test this hypothesis, we recently initiated a new collaboration with Dr; Luis Martinez in the Department of Microbiology and Immunology.

Dr. Murphy was recently awarded a new grant entitled "Mechanisms of placental infection by food-borne infection" that is a collaborative effort with Drs. Lakshmi Krishnan of the National Research Council, Canada, and Anne Croy of Queens University, Canada. The studies funded by the grant focus on the underlying basis for the susceptibility of pregnant females to infection by Salmonella, a food-borne pathogen that is associated with miscarriage and other serious complications of pregnancy in multiple species of mammals. Towards this end, Ian Perry is studying the route by which Salmonella infects the human placenta, as well as the role that trophoblastic hypo-responsiveness to IFN- γ plays in susceptibility to these infections.

For the sixth straight year, Dr. Murphy taught in the Annual Human Placenta Biology Workshop, based at Queen's University in Kingston, Ontario, Canada. The course is designed to provide an introduction to the biology of the placenta, and trophoblast in particular, to clinicians, principal

investigators and PhD students interested in pursuing the field of pregnancy research. This year, course participants included representatives from Australia, Hong Kong, Japan, Norway, South Africa, and South Korea. Shawn is responsible for teaching the molecular biology component of the course on gene regulation, and he emphasizes his team's work on "immune gene regulation in trophoblast cells".

Patricia Rodier, Ph.D., the first scientist to formulate and study the idea that autism can originate long before a child is born, died May 3 at Strong Memorial Hospital. She was 68. An embryologist specializing in the nervous system, Dr. Rodier completely changed the way we think about the development of autism. While many believed that the disorder arose very late in pregnancy or in the early part of an infant's life, Dr. Rodier's research turned that widely held, but unproven, belief upside down. Her work established that genetic and environmental factors can also spur the development of the disorder as early as three weeks into a pregnancy, when the first cells of the nervous system start to develop. Building on this work, Dr. Rodier went on to identify one of the first genes linked to autism. The gene – HOXA1 – plays a crucial role in early brain development and likely underlies the development of the disorder in some cases.

A professor in the Department of Obstetrics and Gynecology at the University of Rochester Medical Center, Dr. Rodier was also a world expert on mercury toxicity, studying how single exposures to the chemical during pregnancy influence a baby's brain development. To this day, much of the research being done on mercury exposure and birth defects is based on Dr. Rodier's early findings.

A testament to her extraordinary expertise in both areas, Dr. Rodier was called to serve as a key government witness for the highly publicized court cases regarding vaccines containing thimerosal, a mercury-containing preservative, playing a key role showing that the preservative and vaccines have no link whatsoever to autism. Dr. Rodier's research, coupled with advanced clinical work conducted at the Medical Center, brought the autism program national recognition. The program was designated by the National Institutes of Health as one of 10 Collaborative Programs for Excellence in Autism in the United States from 1998 to 2008.

Richard W. Stahlhut, M.D., M.P.H. Research Assistant Professor, is Principal Investigator role for the BPA GO grant (formerly Shanna Swan, PI). He and surgeon Lael Forbes continue working on a pilot grant from the Richard W. and Mae Stone Goode Foundation to study the effects of bariatric surgery on persistent pollutant levels in blood and a supplemental grant to look at urine levels of nonpersistent pollutants such as bisphenol A. Dr. Stahlhut analyzed CDC NHANES data for Consumer Reports to determine whether population arsenic levels were consistent with CR's finding of elevated arsenic levels in apple juice. He co-authored two papers on associations of phthalate metabolites with 1) diabetes in women and 2) with socioeconomic factors.

Christopher J Stodgell, Ph.D. is a co-investigator with Drs. Loisa Bennetto, in the department of Clinical and Social Sciences in Psychology and Susan Hyman of Pediatrics on an NIH funded project to study the familial and genetic traits of taste, smell and feeding behavior in autism. He is also collaborating with Drs. Hyman and Tristram Smith on the Autism Treatment Network, a national registry designed to determine the best clinical practices for the diagnosis and treatment of autism spectrum disorders. Dr. Stodgell, Dr. Richard K. Miller in the department, and Dr. Asher Ornoy of Hebrew University, Jerusalem, Israel are investigating the effects of diabetes on birth defects in a rat model. He is also collaborating with David Foster, MD in the department on the genetic and environmental etiologies of vulvar vestibulitis. As a Principle Investigator, Dr. Stodgell is currently funded by the Goode Foundation for grant focused on gene-environment interactions in the developing nervous system after in utero exposures to the teratogen valproic acid. Most recently Dr. Stodgell and Dr. Miller were awarded a Formative Research Award from

the National Children's Study to investigate the use of placental tissue for chemical, environmental and genetic analysis. Dr. Stodgell has published work related to the effects of in utero valproic acid exposure on embryonic gene expression, on the genetics and teratology of autism, and vulvar vestibulitis. In addition to his research Dr. Stodgell is a member of the Web Committee of the Teratology Society and is Vice Chair of the University Committee on Animal Resources. He also serves on the Medical Student Admissions Committee. Dr. Stodgell regularly lectures on teratology for the third year medical students in the Women's Health Clerkship, developmental gene expression in Tox 552, and genetics and psychopharmacology in CSP 553.

Ronald Wood, Ph.D. The laboratory of Dr. Wood principally focuses on studies of the lower urinary tract. He is the recipient of an NIH R01 grant on lower urinary tract obstruction based on new methods for evaluating voiding function and associated anatomical changes. This research program also has relevance to overactive bladder and cystitis. Magnetic resonance microscopy (Scott Kennedy, PhD) of postmortem tissue continues, focusing on localization of anatomical changes associated with obstruction and its functional significance. High resolution 3D ultrasound imaging has been implemented this year, permitting rapid high contrast imaging of abdominal and pelvic anatomy. Near infrared imaging of lymphatic transport has been developed in support of collaborative research efforts on arthritis in Orthopedics and Pathology. Dr. Wood collaborates with David Foster and Gunhilde Buchsbaum in the Department; Drs. Edward Messing, Robert Mayer, YiFen Lee and ShuYuan Ye in Urology; and Drs. Edward Schwarz and Lianping Xing in Orthopedics and Pathology. The research in the laboratory of Dr. Wood continues to provide experience for residents and fellows in Urology and Orthopedics.

PROGRAMS, CENTERS AND SERVICES

PEDECS, The Perinatal Environmental and Drug Exposure Consultation Service is a New York State Teratogen Information Service directed by Dr. Richard K. Miller. Families and Health Care Providers can call this service from 9:00am to 4:00pm Monday through Friday at (585) 275 3638 to address concerns involving environmental, occupational and therapeutic exposures during pregnancy. PEDECS is a member of the OTIS national network www.otispregnancy.org.

ORA, Office of Research Administration – ORA serves to support the pre- and post-award sponsored research needs of the Ob/Gyn faculty to make it easier for busy clinicians and researchers to apply for research funding and maintain their current projects. ORA participates in the publication of a departmental newsletter *Ob/Gyn Inside Story* every quarter to keep the faculty aware of upcoming research-related deadlines, research presentations and to acknowledge funding successes, publications and honors received by Ob/Gyn faculty. During the 2011 – 2012 fiscal year, ORA participated in the Faculty Performance System creation process and developed the grant tracking module. Members of ORA include: Emily Barrett and Rebecca Rowley, co-Directors; Sajitha Veettilakath, Staff Accountant; Ken Edell, Data Base Manager; Erin Driscoll-Brantley, Linda Leoni, Heather Fiore, Lynda Kochman, Sarah Caveglia, Study Coordinators; Jessica Marino, Shaya Greathouse, Study Recruiters; Danielle Sullivan, Amulya Penmetsa, Linda Salamone, Luis Ruffolo, Katie Burke, Dilip Rao, Philip Weidenborner, Technicians; Meghan Bushway, Ian Perry, Lauren Parlett, Graduate Students; and Jena Ashley, Administrative Assistant.

ORA Faculty are Ob/Gyn faculty whose positions are primarily devoted to research. ORA faculty currently collaborate with many other departments within the URM and with institutions across the United States and around the world. ORA Faculty include: Emily Barrett, Richard K. Miller, Shawn Murphy, Patricia Rodier, Richard Stahlhut, Christopher Stodgell, Ronald Wood, and Mort Miller.

EDUCATION

ORA maintains an active Research Workshop, which in 2010 – 2011, met weekly on Thursday and Friday mornings and monthly on Mondays at noon, and provided a forum for Ob/Gyn and visiting researchers to present works in progress as well as developed presentations (often prior to talks at scientific conferences). Presentations on how to obtain funding and the nuances of sponsor regulations are also offered.

During the 2011 – 2012 fiscal year...

Dr. Chris Stodgell taught Tox 522, Tox 530, lectured in Tox Medical School Women's and Children's Health 3rd Year Clerkship. Dr. Stodgell also participated in the Medical School Admissions Committee.

Dr. Shawn Murphy participated in the graduate student admissions committee for the department of Microbiology and Immunology.

Dr. Rich Miller was the course master for Tox 530, section leader for Tox 522, and mentor for Aisha Siebert, Jorien Sanderink, Kathryn LaRusso, Jonathan Fricke, and Nicole Welling. He is also a member of the Teaching Committee for Process of Discovery, a course taken by 4th year medical students.

STAFF, FELLOWS, MEDICAL AND GRADUATE STUDENTS

Dr. Shawn Murphy's laboratory includes Katie Burke, Meghan Bushway, and Ian Perry.

Dr. Ron Wood continues to provide research experience in his lab for residents and fellows in Urology and Orthopedics. He also supports high resolution ultrasound and near IR imaging facilities.

SUMMARY

In fiscal year 2011-2012, the research program in Ob/Gyn continued to flourish, despite the passing of one of our most accomplished faculty members, Dr. Patty Rodier. Numerous faculty members received grants, participated in conferences, and published their work in fields ranging from environmental epidemiology to the genetics of autism to reproductive immunology. The research faculty continue to collaborate with colleagues in many URM departments as well as other universities around the world. This year department researchers continued important data collection efforts for several large, NIH-funded longitudinal multi-center studies including the National Children's Study and the Infant Development and the Environment Study (TIDES). In addition to these ongoing projects, a number of new smaller studies were initiated as well, which will provide pilot data towards future grant applications.

ORA continues to work with researchers at all levels in the Department of Ob/Gyn- from residents doing their first research projects to senior faculty developing NIH R01 applications. Starting in spring 2011, the ORA co-directors and department chair started a concerted effort to engage more faculty in the departmental research efforts and to stimulate new collaborations. To do so, we switched our monthly research workshop was moved to a weekly format, allowing time for presentations on research at every stage (from the inception of an idea through completed work) as well as tutorials on useful research skills and resources. In addition, the ORA staff continues to provide the faculty with regular updates on research efforts and opportunities through the "ORA Flash" column in *Ob/Gyn Inside Story*, e-mails, and the ORA website.

SERVICE PROGRAMS

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2011 - June 30, 2012

NURSING SERVICE SUMMARY

The OB/GYN Nursing In-patient Service has focused a lot of attention on Patient Family Centered Care (PFCC) this past year. The scores have been above the benchmark almost every month. We continue to work on pain and staff responsiveness which are areas that the scores occasionally fluctuate below the benchmark. We will continue to address these areas and keep a watch on noise which is one area we improved in this past year. Each unit has a Champion for PFCC. They have led their units in new initiatives that focus on giving care to our patients and families that is centered on their physical and emotional needs.

Kimberlee Blik, MS, RN, C-EFM, joined the OB Service in the role of MCIC OB Patient Safety Nurse. She had previously held several positions which provided a strong background to serve in this role. These roles included actively working as a part time labor and delivery nurse at Unity Hospital's Family Birth Place, the administrator for the Department of Medicine in their Kidney and Pancreas Transplant Program and a Senior Claims Investigator in the Office of Counsel to the Medical Center. She has had a smooth transition into the role and responsibilities. She is a TeamSteps instructor, coordinates simulations for our service and is a role model for debriefing.

We are continuing to develop new strategies and refine established ones to improve patient safety and quality. As we have in the past, we continue to partner with the OB/GYN providers to develop of a culture of teamwork, safety and optimal communication. The nursing leadership and staff are dedicated to achieving the highest quality outcomes for our patients and their families.

Nursing continues to offer education opportunities to nurses who are practicing in hospitals in our region, as well as for our own staff. We continue to offer the AWHONN's Intermediate Fetal Monitor Course, taught by Shirley Warren, MS, CNS.

Nursing Practice is preparing for the next Magnet re-designation. Magnet designation is the highest level of recognition that the American Nurses Credentialing Center can give to healthcare organizations that provide services of registered nurses. The OB/GYN Nurse Managers, Rebekah Huff, MS, RN, Maureen Freedman, MS, RN, Keri Cockman, MS, RN, and I will all be contributing articles to support the application. The articles will focus on programs and initiatives that were developed on our service that demonstrate exemplary professional nursing practice.

IN-PATIENT OB/GYN NURSING SERVICE

Associate Director for OB/GYN Nursing

Deborah Sue Phillips, MS, RNC-OB

Clinical Nurse Specialist

Shirley Warren, MS, RNC

Senior Nurse Manager

Maureen Freedman, MS, RNC Birthing Centers

Nurse Managers

Rebekah Huff, MS, RN, C-EFM 3-1200 and Keri Cockman, MS, RNC –OB 3-1400

Service Nurse Leader

Christine Arnold, MS, RN

Coordinator of OB/GYN Quality Improvement

Candace Galle, BS, RN

MCIC Safety Nurse for Obstetric Practice at Strong Memorial Hospital

Kimberlee Blik, MS, RN, C-EFM

SOCIAL WORK

The Social Work program at Strong Memorial Hospital addresses the psychosocial aspects of health care delivery for patients receiving care through Women's Health Practice, GYN Specialties, Midwifery, RAMP, and Special Care Clinic as well as all antenatal and postpartum patients admitted to Strong. Consultation is also offered to OB/GYN private offices that are affiliated with SMH. The patient population is culturally, and socio-economically diverse and covers an age range beginning in early adolescence. The majority of patients served by OB/GYN social workers live at or below poverty and reside in poor, and violent, urban neighborhoods. They present with multiple psychosocial risk factors adversely impacting pregnancy outcomes, and health status. Such risks include domestic violence, homelessness, victimization, substance abuse, untreated mental health and developmental disorders, inadequate nutrition, histories of physical and sexual abuse, residential placement, illiteracy and language barriers, isolation and depression, unwanted pregnancy, adolescent pregnancy and inadequate resources.

Social work interventions include risk screening of patients, assessment and formulation of service plans in conjunction with the multidisciplinary health care team, discharge planning, risk management, crisis intervention, case management, information and referral, short term counseling, and acquisition of essential concrete goods and services.

Social work assumes primary responsibility for the assessment and management of all patients presenting in any OB/GYN ambulatory or inpatient clinical area, suspected to be the victims of child abuse/neglect or domestic violence. OB/GYN social work made 53 accepted reports of child abuse/neglect during the past year, primarily focused on maternal substance abuse, abandonment, and maternal psychosis. Social workers work closely with the local department of social services, family courts, criminal justice system and victims services in order to secure necessary protective services for infants, teens and women and to enable safe discharges.

Social work also assumes primary responsibility for counseling patients contemplating relinquishing their newborn for adoption and for assuring appropriate hospital guidelines are followed in all such situations.

STAFF

The OB/GYN Social Work program at SMH and at the Strong Midwifery Practice is staffed by 3.65 FTE masters level social workers. Mardy Sandler LMSW Chief Social Worker for Pediatrics, Women's Health and Community Outreach directs the program. Staff is assigned as follows:

Amelia Nevarez LMSW, .6FTE, Sarah Gallivan LMSW, 9FTE and Michelle Siembor LMSW, .5FTE provide inpatient and outpatient social work coverage for Women's Health Practice, Contraceptive Clinic, and GYN Specialties. Kim Hober, LMSW .65 FTE provides inpatient and outpatient social work coverage for the Special Care Clinic and inpatients.

Lisa Luxemburg, LMSW, 1FTE provides inpatient and outpatient social work coverage for Strong's Midwifery Practice and RAMP.

WOMEN'S COMPASSION FUND

The Social Work Division administers the Women's Compassion Fund. The Fund was established through a generous contribution from Dr. Nancy Stanwood and has since received contributions from other interested parties. The fund's resources are used to assist Strong patients who without the help of

the fund could not access or fully utilize women's health services. Such help typically includes covering the cost of uncovered prescriptions and transportation to health care appointments.

GRANT SUPPORTED PROGRAMS

The Social Work Division at SMH secures funding for three community based maternal/child health and welfare programs, which integrate the delivery of health and psychosocial services for high risk, childbearing teens and women and their children. All projects provide social work assessment and services, support, guidance and assistance from an assigned home visitor, case management, crisis intervention, preventive health and parenting education, transportation, and advocacy.

Social Work Division Preventive Program, a Monroe County sponsored, mandated foster care prevention program, receives referrals on psychosocially high-risk pregnant woman from WHP, Midwifery, and Special Care Clinics.

Baby Love, a community based perinatal outreach program, serves pregnant women and teens that are at risk of poor pregnancy outcomes, The Baby Love program receives support through the United Way, The Monroe Plan for Medical Care, and MVP. The program continues to demonstrate effectiveness in reducing neonatal intensive care admissions for the two Medicaid Managed Care Plans.

Building Healthy Children is a collaborative project involving the Social Work Division, Mt. Hope Family Center and the Society for Protection and Care of Children. The program offers an array of evidence based services that focus on maternal depression/anxiety, maternal/child attachment, prevention of child abuse/neglect and improved health and developmental outcomes for infants and toddlers. The program received a HANY's Community Improvement, honorable mention at this year's annual meeting.

COMMUNITY COLLABORATIVES

URMC, OB/GYN social workers participate in a number of community collaboratives that promote coordinated, multi – systems, community approaches to caring for women of reproductive age. These collaboratives include the Monroe County Domestic Violence Consortium, The Perinatal Network of Monroe County, Healthy Mothers/Healthy Babies Advisory Group, and the Metro Council on Teen Potential.

RECOGNITION

Mardy Sandler LMSW, Chief Social Worker was recognized by the Perinatal Network of Monroe County as the 2012 Community Champion at the organization annual meeting in June.