

**DEPARTMENT OF
OBSTETRICS AND GYNECOLOGY**
Annual Report for July 1, 2014 – June 30, 2015



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

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

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

**Eva K. Pressman, M.D.
Professor and Chair**

ANNUAL REPORT

for the period

July 1, 2014 - June 30, 2015

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MESSAGE FROM THE CHAIR



Eva K. Pressman, M.D.
*Henry A. Thiede Professor and Chair
Department of Obstetrics and Gynecology*

Summertime in Academic Medicine means more than a trip to the beach; it means exciting transitions. We say “good bye” to residents and fellows who have completed their training and are spreading their wings to many different corners of the map. We say “hello” to new trainees and faculty who have chosen to spend their time discovering and caring for patients with us. It is also a time to reflect on the accomplishments of this great department over the past academic year.

The 2014-15 academic year has been filled with successes. While 4 faculty have left for new opportunities, we welcomed 5 physicians and midwives into our department, bringing us to 73 full time and 94 part time faculty spread between Strong, Highland and Thompson Hospitals. Our faculty have been remarkably productive. In addition to seeing more than 100,000 outpatient visits and performing more than 5000 surgical procedures and deliveries, they been instrumental in the education of 104 medical students, 32 residents and 5 fellows and have published 76 peer-reviewed articles, presented 50 abstracts at national and international meetings, and secured 15 new grants bringing the total funded projects in Obstetrics and Gynecology to 51 with a total of \$12.8 million in funding.

There have also been many renovations and improvements in our physical plant. The Birth Center and Postpartum Unit at Strong Memorial Hospital were renovated this year providing an updated look and increased functionality for our obstetric patients. The Perinatal Center at Highland Hospital moved to newly constructed space in the Professional Office Building, improving access for outpatients. And the construction of the Golisano Children’s Hospital was completed, with the Gosnell Family Neonatal Intensive Care Unit now providing 68 beds including 44 private rooms.

And what about our plans for the coming year? We have many exciting changes ready to launch in all of the divisions of our department. Renovations are nearly complete on new office space at 125 Lattimore which will house our General OB/Gyn Division, UR Midwifery and a comprehensive program in pelvic and vulvar pain. This will be followed by renovations at the Red Creek site for a multidisciplinary Continence Center bringing together our Division of Pelvic Health and Continence Specialties and specialists from Urology and Colorectal Surgery in what will undoubtedly become a regional center of excellence for women and men with pelvic floor dysfunction.

Our Maternal Fetal Medicine faculty, under the new leadership of Dr. Lorelei Thornburg, continue to provide the highest order of care to improve outcomes of mothers and infants in our region with plans to expand their services through telemedicine in the upcoming year. Expansion of our Reproductive Endocrinology and Infertility services is also planned in conjunction with Associates for Women’s

Medicine in Syracuse. Additionally, renovations are planned for the Family Birth Place at Highland, relocating the Special Care Nursery to space adjacent to the Postpartum Unit and Newborn Nursery and restructuring the Labor and Delivery space for improved teamwork and communication.

Dr. Richard Moore will be joining our Department this fall as the Director of Gynecologic Oncology and Gynecology Service Line Chair for the Wilmot Cancer Institute, bringing his expertise in detection and treatment of ovarian cancer to our institution. And finally, the OB/Gyn Research Division, under the guidance of Dr. Tim Dye, is poised to expand our research endeavors both locally and globally.

As you can see, we have a lot to be proud of and even more to look forward to!

LISTING OF FACULTY

FULL-TIME FACULTY

Chair

Associate Chair for Academic Affairs

Associate Chair for Clinical Affairs

Associate Chair for Education

Associate Chair for Research

Eva K. Pressman, M.D.

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

Adrienne D. Bonham, M.D.

Erin E. Duecy, M.D.

Timothy De Ver Dye, Ph.D.

Professor

Cynthia L. Angel, M.D.

Gunhilde Buchsbaum, M.D.

Timothy De Ver Dye, Ph.D.

Brent DuBeshter, M.D.

J. Christopher Glantz, M.D., M.P.H.

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.

Richard G. Moore, M.D. (appointment effective 10/1/15)

Eva K. Pressman, M.D.

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

Ruth Anne Queenan, M.D., M.B.A. (promotion effective 4/1/15)

Joseph J. Scibetta, M.D.

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

Professor Emeritus

Marvin S. Amstey, M.D.

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

Marie A. Caudill, Ph.D., R.D.

Kimberly O. O'Brien, Ph.D.

Associate Professor

Sarah J. Betstadt, M.D., M.P.H. (promotion effective 9/1/15)

Balasubramanian Bhagavath, M.D.

Adrienne D. Bonham, M.D.
Erin E. Duecy, M.D.
Constantino Fernandez, M.D.
Shawn P. Murphy, Ph.D.
Tulin Ozcan, M.D. (terminated 11/12/15)
David E. Seubert, M.D., J.D.
Rajesh K. Srivastava, Ph.D.
Loralei L. Thornburg, M.D.

Research Associate Professor

Rakesh K. Singh, Ph.D., MPhil (appointment effective 11/1/15)
Christopher J. Stodgell, Ph.D.
Ronald W. Wood, Ph.D.

Assistant Professor

Emily S. Barrett, Ph.D.
Amy R. Benjamin, M.D.
Kristen E. Burhans, M.D. (appointment effective 9/1/15)
Jorge F. Carrillo, M.D. (promotion effective 7/1/14)
Paula J. Doyle, M.D. (promotion effective 9/1/14)
Dzhamala Gilmandyar, M.D. (appointment effective 5/1/15)
Lisa M. Gray, M.D. (promotion effective 8/1/15)
Amy R. Harrington, M.D.
Marwa Ibrahim, M.D. (promotion effective 11/1/15)
Lioudmila V. Lipetskaia, M.D.
Jaclyn E. Morrison, M.D. (promotion effective 7/1/15)
Jacqueline T. Nasso, C.N.M., M.S.
Katrina F. Nicandri, M.D.
Brittany M. Paivanas, M.D. (promotion effective 9/1/14)
Sandy K.S. Perry, M.D. (terminated 7/31/14)
Sraddha S. Prativadi, M.D. (promotion effective 10/6/14)
Colby A.H. Previte, M.D.
Neil S. Seligman, M.D.
Rebecca L. Skovgaard, C.N.M., M.S.
Sajeena G. Thomas, M.D.
Emily Thompson Carrillo, M.D. (promotion effective 7/27/15)
Ellen J. Tourtelot, M.D.
Wendy S. Vitek, M.D.
Natalie S. Whaley, M.D. (appointment effective 8/17/15)
Paula E. Zozzaro-Smith, D.O. (terminated 9/16/15)

Research Assistant Professor

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

Adjunct Assistant Professor

Thomas J. Guttuso, M.D.

Jani E. Lewis, Ph.D.

Adjunct Instructor

Arthur M. Dee, M.S.

Fellow

Stephen J. Bacak, D.O., M.P.H.
Amy F. Collins, M.D.
Lisa M. Gray, M.D. (to Assistant Professor effective 8/1/15)
Toy Gee (Annie) Lee, M.D. (appointment effective 7/1/15)
Lauren A. Miller, M.D., M.P.H. (appointment effective 7/1/15)
Courtney Olson-Chen, M.D.
Smitha Vilasagar, M.D.

Senior Associate

Michele L. Burtner, C.N.M., M.S. (promotion effective 9/1/14)

Associate

Sheila A. Geen, C.N.M., M.S.N.
Pamela Jurich Wright, C.N.M., M.S.
Heather R. Lane, 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.

Clinical Associate

Roberta S. DuBeshter, C.N.M., M.S. (terminated/retired 12/31/14)
Tammy L. Farnham, C.N.M., M.S.

Assistant

Jennifer A. Banda, C.N.M., M.S. (terminated 7/31/15)
Alexis L. Gee, C.N.M., M.S. (appointment effective 8/1/15)
Stephanie C. Laniewski, M.S.
Caitlin Phillips LeGros, C.N.M., M.S. (appointment effective 10/20/14)
Laura A. Martin, M.S.
Melinda A.S. Pisaro, C.N.M., M.S.
Jenney A. Stringer, C.N.M., M.S.

FULL-TIME FACULTY WITH SECONDARY APPOINTMENT IN OBSTETRICS AND GYNECOLOGY

Linda H. Chaudron, M.D., M.S.
Professor Psychiatry, Obstetrics and Gynecology and Pediatrics
Associate Vice President and Senior Associate Dean for Inclusion and Culture Development

Margaret M. Demment, Ph.D.
Senior Project Research Associate Clinical and Translational Science Institute and Instructor,
Obstetrics and Gynecology

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

Katherine B. Greenberg, M.D. (effective 11/15/14)
Assistant Professor Pediatrics (Adolescent) 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 8/1/14)
Assistant Professor Medicine and Obstetrics and Gynecology

Rachael H. Phelps, M.D.
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

Miriam T. Weber, Ph.D. (effective 11/1/14)
Associate Professor Neurology, Obstetrics and Gynecology and Cognitive Behavioral Neurology

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

Amanat M. Yosha, M.D., M.P.H.
Instructor of Clinical Family Medicine and Obstetrics and Gynecology

CLINICAL FACULTY AT STRONG MEMORIAL HOSPITAL

Clinical Professor

Jeffrey R. Fichter, M.D.
David L. Gandell, M.D.
Stephan R. Sanko, M.D. (promotion effective 7/1/15)

Clinical Professor Emeritus

W. Patrick Bernal, M.D.
Richard E. Fullerton, M.D.
Peter L. Kogut, M.D.

Robert A. Stookey, M.D.
Leslie A. Walker, M.D. (deceased 11/1/14)
Elizabeth D. Warner, M.D.

Clinical Associate Professor

Diane M. Cunningham, M.D. (promotion effective 7/1/15)
Karen M. Duguid, M.D.
Dianne M. Edgar, M.D.
William J. Harvey, M.D.
Uma M. Penmetsa, M.D.
Georgette J. Pulli, M.D. (promotion effective 7/1/15)
Deborah M. Rib, M.D.

Clinical Assistant Professor

Mary E. Ciranni-Callon, D.O.
Nancy E. McKnight, M.D. (promotion effective 7/1/15)
Julie C. Sandruck, M.D.
Marit B. Sheffield, M.D.

Clinical Senior Instructor

Beth M. Cerrito, Ph.D.

Clinical Instructor

Melissa A. Gunter, M.D.
Mitchell A. Linder, M.D.
Amy H. MacDonald, M.D.

Clinical Assistant

Wendy M. Featherstone, P.T.

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

Richard C. Cherkis, M.D.
Rita A. Clement, M.D.
Marc H. Eigg, M.D.
Jacquelyn Cullen Howitt, M.D. (promotion effective 5/1/15)
Albert P. Jones, Jr., M.D.
Rahul Laroia, M.D.

Coral L. Surgeon, M.D.
Derek J. tenHoopen, M.D.
Eugene P. Toy, M.D.
Raphael Tshibangu, M.D.
Morris Wortman, M.D.

Clinical Assistant Professor

Laureen A. Burke, M.D.
Joan W. Chisholm, M.D. (change in appointment effective 8/1/14)
Jane K. Doebelin, M.D.
Jeffrey B. Gordon, M.D. (retired 6/30/15)
Daniel W. Grace, M.D.
Marc S. Greenstein, D.O.
Rosalind A. Hayes, M.D.
Waldemar Klimek, D.O.
Oona Lim, M.D.
Mohamad S. Mahmoud, M.D. (appointment effective 11/1/14)
Elizabeth D. Morningstar, M.D.
Marcy C. Mulconry, M.D. (change in appointment effective 9/29/14)
Edward B. Ogden, M.D.
Roger M. Olander, M.D.
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.
Mary M. Wilsch, M.D.

Clinical Instructor

Darushe Anissi, M.D. (retired 6/30/15)
Rehan B. Asif, M.D.
Julius Avorkliyah, M.D.
Jeroo Bharucha, M.D.
M. Elizabeth Bostock, M.D.
J. Steven Burkhart, M.D.
Paul A. Cabral, M.D.
Michelle L. Chin, M.D.
Benjamin R. Christensen, 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.
Katina M. Foster, M.D. (promotion effective 8/1/15)
Miranda Harris-Glocker, M.D. (appointment effective 8/1/14)
Kelly A. Herron, M.D.
Michelle M. Herron, M.D.
Haldipur V. Janardhan, M.D.

Judith E. Kerpelman, M.D.
Mark S. Levine, M.D.
M. Jamil Mroueh, M.D.
M. Raymond Naassana, M.D.
Johann Piquion Joseph, M.D., M.P.H.
Kathleen Robischon, M.D.
Maureen R. Slattery, M.D.
Katherine Stouter Lammers, M.D.
Thomas R. Sweeney, M.D. (retired 6/30/15)
Samuel E. Tripp, M.D.
Richard Urban, M.D. (retired 6/30/15)
Megan B. Vaules, M.D.
Catalina M. Vial, M.D.
Amanda J. Victory, M.D.

Clinical Associate

Joan S. Brenner, C.N.M., M.S.
Catherine A. Burke, C.N.M., M.S.N.

Clinical Assistant

Marilyn S. Brooks, R.N.C., M.S.N., C.N.M.
Rosemary L. Janofsky, M.S.N., C.N.M.
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

Pakeeza Alam, MD
Fellowship: Female Pelvic Medicine
& Reconstructive Surgery
Medstar Washington Hospital
110 Irving St. NW
Washington, DC 20010

Rachel Flink-Bochacki, MD
Fellowship: Family Planning
University of Pittsburgh
Magee Women's Hospital
300 Halket St.
Pittsburgh, PA 15213

Charisse Loder, MD
Fellowship: Family Planning
University of Michigan
1500 E. Medical Center Dr
Ann Arbor, MI 48109-5276.

Kristen Burhans, MD
University of Rochester
Dept. of Obstetrics and Gynecology
601 Elmwood Avenue
Rochester, NY 14642

Katina Foster, MD
South East Ob/Gyn
990 South Avenue Suite 104
Rochester, NY 14620

Jaclyn Morrison, MD
University of Rochester
Dept. of Obstetrics and Gynecology
601 Elmwood Avenue
Rochester, NY 14642

Emily Carrillo, MD
Highland Women's Health
990 South Avenue, Suite 103
Rochester, NY 14620

Marwa Ibrahim, MD
Highland Women's Health
990 South Avenue, Suite 103
Rochester, NY 14620

Jill Uyenishi, MD
Kaiser Permanente
San Leandro Medical Center
2500 Merced Street
San Leandro, CA 94577

PGY4 (2015/2016)

Snigdha Alur, MD
Corrie P. Anderson, DO, MA
Megan Locher, MD

Laura K. Melcher, MD
Amy E. Nosek, MD
Chinedu K. Nwabuobi, MD, MS

Raksha Soora, MD

PGY3 (2015/2016)

Elizabeth Bard MD
Lauren Coyle, MD
Beatriz Folch Torres-Aguiar, MD

Ethan Gable, MD
Whitney Hanan, MD
Stefanie Hollenbach, MD

Tessa Reisinger, MD
Daniel Terk, MD

PGY2 (2015/2016)

Jennifer Black, MD
Sheila Flaum, DO
Jennifer Leone, MD

Haley Meyer, MD
Jessica Mitchell, MD, MSc
Laura Pekman, MD

Mary Towner, MD
Ferdous Zannat, MD

INTERNS (2015/2016)

Katherine Congelosi, MD
Alecia Fields, DO
Laura Hanks, MD

Olivia Meier, MD
Alexis Pilato, MD
Rachelle St. Onge, MD

Marika Toscano, MD
Phoebe Whalen, MD

FACULTY ACTIVITIES

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2014 - June 30, 2015

ADMINISTRATIVE ACTIVITIES

Cynthia L. Angel, M.D.

Hospital and Medical School

1. East 5 Gynecologic Clinical Service Quality Committee
2. JACHO GYN ONC Disease Specific Committee Member at Highland Hospital
3. East 5 Re-Admission Committee
4. GYN Morbidity/Mortality Committee
5. GYN ONC Certification Committee
6. Chairman of the Board at Cancer Wellness Connections

Stephan J. Bacak, D.O., M.P.H.

Hospital and Medical School

1. OB/PEDS Ebola Preparedness Committee
2. OB QA Workgroup

National/International

1. SMFM Education Committee

Emily S. Barrett, Ph.D.

Hospital and Medical School

1. Community Advisory Board, URM Environmental Health Sciences Center
2. Environmental Health Sciences Center Faculty
3. Co-director of office of research administration
4. Co-organizer, ob-gyn research workshop
5. Co-organizer, AGD training workshop
6. Department reviewer for research subjects review board

Community

1. Board of Directors, Healthy Baby Network (formerly Perinatal Network Of Monroe County)

National/International

1. Editorial Boards
 - a. Fertility and sterility
 - b. Hormones and behavior
2. Ad hoc grant reviews (2 agencies)
3. Ad hoc manuscript reviews (11 journals)

Amy R. Benjamin, M.D.

Hospital and Medical School

1. Gynecology Service OR Committee
2. OR Quality Assurance Committee

Sarah J. Betstadt, M.D.

Hospital and Medical School

1. Junior Women's Faculty Group, University of Rochester

Bala Bhagavath, M.D.

Hospital and Medical School

1. Liaison Committee on Medical Education (LCME)
2. Simulation Steering Committee, Department of Obstetrics and Gynecology
3. Chair, Minimally Invasive Gynecologic Surgery Steering Committee

National/International

1. Society of Reproductive Surgeons Committee
2. ASRM Video Committee
3. COEMIG Review Committee
4. AAGL Standards Committee
5. Editorial Boards:
 - a. Obstetrics and Gynecology
 - b. Fertility and Sterility
 - c. American Journal of Obstetrics and Gynecology
 - d. Journal of Minimally Invasive Gynecology

Adrienne D. Bonham, M.D.

Hospital and Medical School

1. Perioperative Services ICare Guiding Coalition
2. University of Rochester Medical Center Committee on Diversity
3. Ob/Gyn Clinical Competence Committee
4. Complications Integration Team, Strong Memorial Hospital
5. Unit Based Performance Program, Birth Center, Strong Memorial Hospital
6. Ob/Gyn Resident Selection Committee, Strong Memorial Hospital
7. Advisory Committee on Education, Strong Memorial Hospital

Gunhilde Buchsbaum, M.D.

Hospital and Medical School

1. Strong Memorial Hospital Robotic Surgery Committee
2. Minimally Invasive Gynecologic Surgery Committee
3. Departmental Leadership Committee

National/International

1. Editorial Boards *Ad hoc* reviewer for:
 - a. American Journal of Obstetrics & Gynecology
 - b. British Journal of Obstetrics & Gynecology
 - c. International Urogynecology Journal
 - d. Obstetrics & Gynecology

Michele L. Burtner, C.N.M., M.S.

Hospital and Medical School

1. Scheduling Coordinator for Division
2. HH Breastfeeding Committee
3. SMH/HH Credentialing and Privileging Committee

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

Hospital and Medical School

1. Highland Medical Executive Committee
2. SMH/HH Credentialing and Privileging Committee

Community/State

1. Chair, State Board of Midwifery
2. Midwife Obstetric Homebirth Collaborative: ACOG District 2-NYSALM

National/International

1. Advisory Committee on Breast Cancer in Young Women (ACBCYW), National Center for Chronic Disease Prevention and Health Promotion, CDC. Alternate Committee Member

Brent DuBeshter, M.D.

Hospital and Medical School

1. Cancer Center Oncology Therapeutics Committee, James P Wilmot Cancer Center
2. Quality Assurance Highland Hospital

National/International

1. Chair, Finance Committee, Society of Gynecologic Oncologists
2. Coding Committee, Society of Gynecologic Oncology
3. Editorial Boards:

- a. Obstetrics & Gynecology
- b. Gynecologic Oncology
- c. International Journal of Gynecologic Cancer
- d. European Journal of Surgical Oncology
- e. Cancer Cytopathology
- f. Cancer Detection and Prevention
- g. Journal of the American College of Surgeons
- h. Int J Cancer
- i. Hospital Pharmacy

Erin E. Duecy, M.D.

Hospital and Medical School

- 1. SMH Robotic Surgery Committee
- 2. GME Strategic Planning Work Group
- 3. Accountable Health Partners Specialist Advisory Committee Meeting
- 4. Promotions Committee Evaluator
- 5. Graduate Medical Education Subcommittee for Program Review
- 6. Graduate Medical Education Committee
- 7. Faculty Performance Assessment Committee
- 8. Resident Council
- 9. OB-GYN Clinical Competence Committee
- 10. Urogynecology Clinical Competence Committee
- 11. OB-GYN Education & Nursing Liaison Committee
- 12. OB-GYN Simulation Steering Committee
- 13. OB-GYN Safety Rounds Committee
- 14. Departmental Leadership Committee
- 15. Chair, Advisory Committee on OB-GYN Education (ACE)

Timothy De Ver Dye, Ph.D.

National/International

- 1. Committee on Data for Science and Technology (CODATA) International Council for Science (ICSU) Paris, France
- 2. Chair, Medical Advisory Board OneHEART World-Wide San Francisco, California
- 3. Representative, Expert Group on Human Biology and Medicine SCAR: Scientific Committee on Antarctic Research
- 4. National Institutes of Health, Population Sciences and Epidemiology IRG, Infectious Diseases, Reproductive Health, Asthma and Pulmonary (IRAP) Conditions Study Section
- 5. National Institutes of Health, 2015/10 ZRG1 HDM-Z (53) R Special Emphasis Review Panel, Mobilizing Research: A Research Resource to Enhance mHealth Research U2C
- 6. National Institutes of Health, Fogarty International Center, ZRG1 BDCN-N (55) Special Emphasis Review Panel: Brain Disorders in the Developing World Research Across the Lifespan
- 7. Editorial Boards:
 - a. Editor-in-Chief, Maternal and Child Health Journal
 - b. Editorial Board Member, Data Science Journal

Constantino Fernandez, M.D.

Hospital and Medical School

1. Promotion ad hoc committee
2. Telehealth Consortium committee
3. Community Advisory Council

Community

1. Community Collaborative Partnership for Domestic Violence
2. Latino Health Coalition, Finger Lakes Health System Agency
3. Ibero American Action League

J. Christopher Glantz, M.D.

Hospital and Medical School

1. Perinatal Morbidity and Mortality Committee (Rochester General Hospital)
2. Patient Safety and Risk Management Committee
3. Interviewer, Medical School Admission
4. Neonatology Chief Search Committee
5. Perinatal Morbidity and Mortality Committee

National/International

1. ACOG Safe Motherhood Initiative
2. New York State DOH Quality Advisory Committee
3. ACOG District II Task Force on Elective Delivery before 39 Weeks
4. March of Dimes "Big 5" State Perinatal Collaborative
5. New York State Obstetrics/Neonatal Quality Consortium
6. American Board of OBGYN, Oral Examiner for General OBGYN Board Exam
7. Medical Director, Statewide Perinatal Data System (SPDS)
8. Editorial Boards:
 - a. Birth
 - b. Strong Perifax

Amy R. Harrington, M.D.

Hospital and Medical School

1. Chair, Ob/Gyn Resident Competency Committee

Diane M. Hartmann, M.D.

Hospital and Medical School

1. Chair, Graduate Medical Education Committee

National/International

1. ACGME Residency Review Committee for Obstetrics/Gynecology
2. ACGME Clinical Learning Environment Review Committee
3. AAMC Advisory Panel on Medical Education
4. Chair "Road to Maintaining Excellence" Program, Office Practice Section American College of Obstetrics and Gynecology
5. Design Team Member GME Leadership Development Course American Association of Medical Colleges
6. Advisory Board Member UPDATE: Continuing Education for the Obstetrician/Gynecologist American College of Obstetrics and Gynecology
7. Faculty Program Directors' School Council on Resident Education in Obstetrics and Gynecology
8. Examiner Oral Board American Board of Obstetrics and Gynecology

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

National/International

1. North American Menopause Society – Membership Committee (Past Chairman)

Kathleen M. Hoeger, M.D.

Hospital and Medical School

1. MEDSAC Steering Committee for Faculty Promotion and Tenure
2. Medical Faculty Council
3. Human Stem Cell Research Oversight Committee
4. Advisory Committee on Education, Dept of OB/GYN

National/International

1. FDA, Special Advisory Committee for Reproductive Health Drugs
2. Consultant for The US Food and Drug Administration (FDA) Bone, Reproductive and Urologic Drugs Advisory Committee (BRUDAC)
3. Endocrine society Clinical practice guidelines committee for PCOS
4. Editorial Boards:
 - a. Obstetrical & Gynecological Survey
 - b. Fertility & Sterility
 - c. Ad hoc reviewer for:
 1. Journal of Clinical Endocrinology & Metabolism
 2. Human Reproduction
 3. Clinical Endocrinology
 4. Endocrinology
 5. Diabetes Research and Clinical Practice
 6. Journal of Women's Health
 7. New England Journal of Medicine
 8. Obesity Reviews
 9. Obesity

Pam Jurich-Wright, C.N.M., M.S.

Hospital and Medical School

1. Colposcopy
2. Perinatal Review Committee

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

Hospital and Medical School

1. Education/ Student Coordinator for Midwifery Division
2. HH FMC Clinical Quality Committee
3. FMC Clinical Service Quality Committee
4. Student Coordinator for the Midwifery Division.

Caitlin Phillips LeGros, C.N.M., M.S.

Hospital and Medical School

1. eRecord Midwifery practice representative

Vivian Lewis, M.D.

Hospital and Medical School

1. University of Rochester's Middle States Reaccreditation Steering Committee (Co-chair of working group on faculty)

National/International

1. Rochester Institute of Technology's National Science Foundation institutional transformation grant (ADVANCE) as external advisory board member
2. Eunice Kennedy Shriver National Institute of Child Health and Human Development; Diversity Task Force member
3. Rochester bridges to the doctorate for deaf and hard of hearing students (GM107739-01)
4. *Hedwig van Ameringen* Executive Leadership in Academic Medicine® (ELAM®) for senior women faculty program at Drexel University College of medicine. Role- member of quality improvement committee
5. Food and Drug Administration, Chair, advisory committee on reproductive health drugs

Lioudmila V. Lipetskaia, M.D.

Hospital and Medical School

1. SMH robotic surgery steering committee

Richard K. Miller, Ph.D.

Hospital and Medical School

1. Director, MotherToBaby UR Medicine – NY, NJ, PA Teratogen Information Service
2. Co-Director, New York Center of Excellence in Children's Environmental Health, Finger Lakes Children's Environmental Health Center at Golisano Hospital
3. Consultant, Reproductive Endocrinology, Perinatal Testing Laboratory, UR Medicine Clinical Laboratories
4. Interviewer, Medical Student Applicants, School of Medicine and Dentistry
5. Faculty, Molecular Toxicology Training Program (NIEHS)
6. Doctoral Thesis Committees for Meghan Bushway, Ian Perry, Elisa Wong
7. Strong Children's Research Center Faculty (Hospital)

National/International

1. Society of Toxicology, Member of Career Resource and Development Committee
2. Relected Chair, International Consortium on Research - European Network of Teratology Information Services and the Organization of Teratology Information Services
3. OTIS Research Committee
4. Scientific Review Board, National Institutes of Health - TERIS, Teratology Information Computer System
5. Organization of Teratology information Specialists (OTIS) Member Scientific Review Board
6. Organization of Teratology information Services (OTIS) Member - Committee on Occupational Exposures
7. Veterans Administration Science Merit Grant Review Program
8. Scientific Advisory Board and Dysmorphologist - US Ribavirin Pregnancy Registry
9. Scientific Advisory Board and Dysmorphologist - Intl – Belimumab Pregnancy Registry
10. Scientific Advisory Board and Dysmorphologist - MoTHER Pregnancy Registry
11. Editorial Board Member, Trophoblast Research

Jacqueline Nasso, C.N.M., M.S.

Hospital and Medical School

1. Coordinator, Young Mother's Prenatal Care Program
2. Board of Directors, Monroe County March of Dimes
3. Center for Community Health Faculty Group and Worksite Wellness Committee
4. Metro Council for Teen Potential (MCTP)
5. eRecord SME and Super User

Katrina F. Nicandri, M.D.

Hospital and Medical School

1. Surgical Site Infection Prevention Taskforce
2. Working Group for Persons with Disabilities
3. Minimally Invasive Gynecology Surgery
4. Ambulatory eRecord SuperUser for Department of Obstetrics and Gynecology
5. Ambulatory eRecord Subject Matter Expert for Department of Obstetrics and Gynecology

6. MCIC Delivery of the Obstetrics and Gynecology Chair Report - Review MCIC cases as part of the QA review process
7. Residency Competency Committee
8. Junior Obstetrics and Gynecology Faculty Group
9. Chair, Gynecology Quality Assurance
10. Department of Obstetrics and Gynecology Quality Assurance Counsel

Courtney Olson-Chen, M.D.

Hospital and Medical School

1. Prenatal Diagnosis Committee

Community

1. Volunteer at the Women's Health Screening Fair

Tulin Ozcan, M.D.

Hospital and Medical School

1. Perinatal Ultrasound Administrative Committee
2. HIV Committee
3. Special Care Outpatient Clinic Committee

National/International:

1. Advisory Board Member for Journal of Ultrasound in Medicine

Ellen L. Poleshuck, Ph.D.

Hospital and Medical School

1. Director, Women's Behavioral Health Service, URMC Women's Health Practice, Department of Obstetrics and Gynecology,

Eva K. Pressman, M.D.

Hospital and Medical School

1. Clinical Council
2. Quality Assurance Council
3. OB Service Team
4. ACE Education Committee

National/International

1. SMFM Publications Committee
2. The Pregnancy Foundation Website Committee

3. ACOG Committee on Ethics

Colby A.H. Previte, M.D.

Hospital and Medical School

1. Instruction Committee
2. Third Year/Fourth Year Core Instruction Committee Member Liaison between Women's Health Curriculum and other course and clerkship directors
3. URMC, Highland Hospital Department of OB/GYN, Community OB/GYN of Highland Hospital, Leadership Committee.
4. Advisory Committee on Education, Executive Committee
5. Advisory Committee on Education, General Committee
6. URMC, Department of OB/GYN, Education Committee
7. URMC, Department of OB/GYN Leadership Committee

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

Hospital and Medical School

1. Medical Student Education Committee

National/International

1. Panel of Experts, ICD-11 Task Force, World Health Organization. Geneva, Switzerland
2. Medical Advisory Board, Jones Institute for Reproductive Medicine, Norfolk, VA
3. CPT Advisory Committee, American Medical Association, Chicago, IL.
4. Chairman, CPT/Coding Committee, American Society for Reproductive Medicine, Birmingham, AL
5. Subspecialty Liaison, CPT/Coding Committee, American College of Obstetrics and Gynecology, Washington DC. 2000-present.
6. Mentorship program. ACOG. Washington DC
7. ACOG Communications Committee, ACOG District II
8. Communications Committee, ACOG District 2, Albany, NY.
9. Editorial Boards:
 - a. External Referee, Journal for Reproductive Medicine
 - b. Ad hoc Editor, Obstetrics and Gynecology
 - c. External Referee, American Journal of Obstetrics and Gynecology
 - d. Ad hoc Editor, Fertility and Sterility

Ruth Anne Queenan, M.D.

Hospital and Medical School

1. Credential Committee University of Rochester Medical Center
2. Safety Committee - Highland Hospital
3. Clinical Council Highland Hospital
4. Infection Prevention Committee
5. Medical Executive Committee
6. Compliance Liaison Committee

7. Chief of Service Committee
8. Perioperative Executive Committee
9. Clinical Service Quality Committee - Obstetrics
10. Clinical Service Quality Committee - Gynecology
11. Clinical Service Quality Committee - Operative Services
12. Perinatal Peer Review
13. Gynecology Peer Review
14. Advisory Committee on Education
15. Ad Hoc Promotions Committees

Joseph J. Scibetta, M.D.

Hospital and Medical School

1. Gynecologic Task Force for Operating Room Utilization and Long-Range Planning
2. Founding Member of the Board of Trustees: James P. Wilmot Foundation For Research in Cancer
3. Strong Memorial Gyn Operating Room Committee
4. GYN Operating Room Long Range Planning Committee

Neil S. Seligman, M.D.

Hospital and Medical School

1. Acting Director of Reproductive Genetics
2. Director of Prenatal Diagnosis Conference
3. Resident advancement committee
4. Obstetrics Quality Assurance Workgroup Chair
5. Obstetrics and Gynecology Council
6. Unit Performance Program committee
7. Perifacts Clinical Quandary Editor
8. Director of Labor and Delivery

David E. Seubert, M.D.

Hospital and Medical School

1. Compliance Committee
2. PSRM committee
3. Resident Education Committee

National/International

1. Editorial Boards:
 - a. Reviewer, Journal of Perinatology
 - b. Reviewer, American Journal of Obstetrics and Gynecology

Rebecca L. Skovgaard, C.N.M., M.S.

Hospital and Medical School

1. Division Statistician
2. Perifax Editorial Board
3. Coordination of Cooper Lecture

Rajesh K. Srivastava, Ph.D.

Hospital and Medical School

1. Promotion Committee

Christopher J. Stodgell, Ph.D.

Hospital and Medical School

1. Medical School Admission Committee
2. Vice-Chair, University Committee on Animal Resources
3. University Committee on Animal Resources
4. Medical School Admissions Interviewer
5. University Senate Executive Committee
6. Faculty Senator

National/International

1. Teratology Society Web Committee
2. Teratology Society Education Committee, Secretary
3. Teratology Education Committee

Jenney A. Stringer, C.N.M., M.S.

Hospital and Medical School:

1. Centering Coordinator
2. RAMP Co-Coordinator
3. Mini Grant recipient for RAMP

Sajeena Thomas, M.D.

Hospital and Medical School

1. OB/Gyn Clinical Competence Committee

Helene M. Thompson-Scott, C.N.M., M.S.

Hospital and Medical School

1. Division Colposcopy Coordinator
2. RAMP Co-Coordinator
3. Founding Board member for Institute for Family Centered Childbirth

4. HH L&D renovation committee

Community

1. Community participant in restructuring of East High in UR program

Loralei L. Thornburg, M.D.

Hospital and Medical School

1. Strong Memorial Hospital Perinatal liaison, Rochester General Hospital, Obstetrical Morbidity and Mortality Committee
2. Executive Committee Member, Academic Research Tract (ART)
3. Director, Resident Research
4. Director of resident research and biostatistics education director
5. Educational program director of Maternal Fetal Medicine
6. Maternal Fetal Medicine Fellowship Director
7. Director of Thursday Perinatal Fellows Education & Research Seminar
8. Director, Obstetrical Educational Simulation
9. Education Committee, MFM Fellowship Program
10. Medical Associate Editor, Peri-FACTS
11. Creation of obstetrical skills simulation program Due to a need for competency based skills testing, we developed a simulation curriculum for OB/GYN
12. QA committee liaison
13. Prenatal Diagnosis Committee
14. SMH Perinatal Morbidity and Mortality Committee

Community

1. Board Member & Finger Lakes Regional Representative- New York State Perinatal Association 2010-present; Executive Committee Secretary- 2013-present Statewide organization to advocate for excellence in perinatal health. Committees: Conference Development (Co-Chair 2013 conference; Chair- 2014, 2015 conferences) Website/Electronic/Social media development
2. Steering Committee, Finger Lakes Regional Perinatal Data System

National/International

1. Society of Maternal Fetal Medicine Member, Education Committee, Member, M in MFM Committee, Group to develop and teach maternal critical care for MFM fellows and members. Content Co-Chair M in MFM course: Critical Care in Obstetrics: An innovative and integrated model for learning the essentials. First course to be offered November 2014. Literature Review Committee: Committee to review recent journals to compile list of relevant abstracts for membership.
2. Perinatal Quality Foundation Board, Research and Innovation Committee and Education Committee

Ellen J. Tourtelot, M.D.

Hospital and Medical School

1. Council of the Medical Staff
2. Primary Care Faculty Resident Quality Council
3. SCOPE-Safety Certification in Outpatient Practice Excellence -Work group to complete application that will be submitted to ACOG for site certification for Women's Health Practice.
4. Quality Assurance Council
5. Women's Health Practice Weekly Operations Meeting
6. Weekly Leadership meetings with department chair

Wendy S. Vitek, M.D.

Hospital and Medical School

1. Ob/Gyn Residency Competency Committee
2. Third/Fourth Year Instruction Committee for UR Medical Students
3. First/Second Year Instruction Committee for UR Medical Students

National/International

1. Editorial Boards: Ad-Hoc Reviewer for Fertility and Sterility

EDUCATIONAL ACTIVITIES

Cynthia L. Angel, M.D.

1. HH GYN ONC weekly Tumor Board presentation
2. Highland Hospital Monthly Gyn Oncology Conference

Stephen J. Bacak, D.O., M.P.H.

1. Resident Simulation Course in Obstetrics and Gynecology (Co-directed the postpartum hemorrhage module)
2. Resident Simulation Course in Obstetrics and Gynecology on breech delivery
3. Resident Simulation Course in Obstetrics and Gynecology on maternal sepsis
4. Medical Student APGO Breast and Pelvic Exam Session
5. MS-III Fetal heart tracing review and labor/preeclampsia case studies

Emily S. Barrett, Ph.D.

1. Undergraduate independent study on endocrine disruptors and human health
2. Preceptor for 3rd year medical student debates
3. Guest lectures in environmental and occupational epidemiology

Amy R. Benjamin, M.D.

1. Endometriosis: Diagnosis (Lecture for OBGYN Residents)
2. Endometriosis: Surgical Management (Lecture for OBGYN Residents)
3. Pelvic Pain (Small Group Sessions with 3rd Year Medical Students)

Sarah J. Betstadt, M.D.

1. Facilitator, MHU625 – Abortion and the Law: A Reading Elective for Fourth year medical student elective. Piloted 2015 course with Margie Shaw, JD from Bioethics department
2. Course Coordinator, Primary Care Clerkship, ambulatory curriculum on contraception and abortion for second year medical students,
3. Nexplanon Trainer
4. Medical Student Didactics for Third Year Medical Students-Postmenopausal Vaginal Bleeding and Menopause and Hormone Replacement Therapy
5. Mentor, Medical Students For Choice summer externship, University of Rochester
6. Course Coordinator, OBG 622, Fourth Year Family Planning Elective, University of Rochester
7. Planned Parenthood of the Rochester/Syracuse Region - Provide and teach Ob/Gyn residents family planning services
8. Presented at the Ob/Gyn Research Workshop – The Spared Study, University of Rochester
9. Site Coordinator, Obstetrics and Gynecology Medical Student Clerkship, University of Rochester

- a. Meet with students at SMH for mid-clerkship evaluations, eight blocks of students per year
- b. Give “Contraception and Vaginitis Didactic”- 90 minute- to each block of medical students
- c. Attend quarterly grading meetings- 90 minutes
10. Faculty Facilitator, Professional Development Group for Class of 2017
11. University of Rochester School of Medicine and Dentistry, Participant in URMC medical school orientation and White Coat Ceremony

Bala Bhagavath, M.D.

1. Laparoscopy and hysteroscopy simulation course instructor for OB/GYN residents, Department of Obstetrics and Gynecology, University of Rochester Medical Center
2. Residency Core lecture series on Endocrinology of Pregnancy, Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies, University of Rochester Medical Center
3. Basic science lecturer/preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine, University of Rochester School of Medicine and Dentistry
4. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea, University of Rochester School of Medicine and Dentistry
5. Endocrine Core Conference Lecture Series Female Infertility; Disorders of Sexual Development, University of Rochester Medical Center
6. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion, University of Rochester Medical Center
7. APGO SIMULATION LISTSERV This LISTSERV has been functional since 2010 and has more than 170 subscribers. It caters to the needs of the OB/GYN faculty around the country interested in simulation as a way to teach, learn and train. I am the sole moderator for this LISTSERV.
8. SRS LISTSERV This LISTSERV has been functional since 2014 and is administered through ASRM. It caters to the needs of the SRS members around the world and allows for discussion of all matters pertaining to reproductive surgery. I am the moderator of this LISTSERV.

Adrienne D. Bonham, M.D.

1. Courses Taught: Obstetrics curriculum, Rochester Institute of Technology Physician's Assistant Program Lecture topics include: Pregnancy physiology, Prenatal care, Complications of early pregnancy, Complications of late pregnancy, Labor and delivery, Postpartum care.
2. Executive Leadership in Academic Medicine Fellowship (ELAM). Drexel University College of Medicine in Philadelphia, PA.
3. Curriculum Director, Department of Ob/Gyn, University of Rochester. Responsible for assessing the residents' education needs through results of standardized testing as well as resident surveys. Developed a series of lectures and simulation experiences aimed to fulfill the education needs of the residency. Organized the lecture series, recruited speakers, and obtained resident feedback. Organized the development of evidence based practice guidelines covering most major gynecologic complaints for use in the resident as well as private clinics

4. Associate Residency Director, Department of Ob/Gyn, University of Rochester. Assisted in the administration of the residency program for the institution as a whole. Responsible for coordination of the education and supervision of the residents at Highland July 2004-Feb 2011. Acted as liaison between the residency program, the resident physicians, nurses and providers
5. Teaching Attending, Strong Memorial Hospital. One week per month provide teaching and supervision of the resident on the inpatient obstetrics and gynecology service. During this week, the attending is responsible for: Coverage of the low risk obstetrical unit, supervising resident management of labor and deliveries, as well as acting as attending for all staff patients. Coverage of inpatient gynecology consultations. Coverage of emergency department consultations of all staff and unregistered patient. Coverage of all urgent surgeries and procedures on staff and unregistered patients. Teaching surgical skills to residents in the operating room and acting as the supervising attending for staff surgeries
6. Fourth Year Student Successful Interning elective, Interning in Ob/Gyn
7. Lecturer, Resident Core Curriculum - Ambulatory Ob/Gyn series
8. Resident lecture series. Colposcopy, Principals of cytology and cervical pathology, Tissue flaps, grafts and closures 2011 - present, Billing and Coding curriculum, Management of menopausal symptoms
9. Lecturer, Resident Core Curriculum - Coding and Billing - Menopause - Hormone Replacement Therapy - Vulvovaginal Disorders
10. Lecturer, Second Year Student Core Curriculum: Dysfunctional uterine bleeding, Ectopic pregnancy, Early pregnancy loss, Management of menopausal symptoms

Gunhilde Buchsbaum, M.D.

1. Director of Fellowship in Female Pelvic Medicine and Reconstructive Surgery
2. Preceptor for senior residents in Obstetrics and Gynecology during rotation in Urogynecology
3. Preceptor for senior residents in Family Practice as part of an elective rotation in office Gynecology
4. Research mentor and advisor for FPMRS fellows

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

1. Second Year Medical Student Breast and Pelvic exam preceptor
2. Interviewer for Residency Match Candidates

Paula J. Doyle, M.D.

1. CADAVERIC PELVIC ANATOMY LAB This course is taught to 3rd year medical students as a basic science component towards completion of the Gynecology and Obstetrics rotation. This course is offered every three months at the University of Rochester School of Medicine and Dentistry
2. PELVIC FLOOR DYSFUNCTION An interactive lecture given to 3rd medical students as part of the clinical rotation in Obstetrics & Gynecology. It is taught every three months at the University of Rochester School of Medicine and Dentistry

Erin E. Duecy, M.D.

1. Disease Processes and Therapeutics: Introduction to pelvic organ prolapse and urinary incontinence. Annual course for 2nd year medical students.
2. URMRC Residents as Teachers Course, Co-Chair Half-day mandatory course for all rising second year residents to be given annually. Topics: Creating an Optimal Learning Environment, Teaching in the Clinical Learning Environment, Teaching Challenges & the Challenging Learner, Feedback & Evaluation. Role: Co-chair of committee developing format, topics, curriculum, organization & logistics, scheduling, development of follow-up supplemental educational interventions.
3. Pelvic Floor Disorders: clinical experience. Created for Internal Medicine residents interested in women's health. Created curriculum and mentor residents through clinical experience in office.
4. Blackboard: Introduction to Urogynecology. Created on-line learning portfolio for nursing staff, students, and residents. Used as part of curriculum for resident rotation through Urogynecology. Includes introduction to common surgical procedures, lectures on pelvic floor disorders with post-test, etc
5. OB-GYN Medical Student Clerkship Lecture Series: Pelvic Floor & Vulvar Disorders. Wrote clinical scenario. Present as problem-based learning activity throughout the year as students rotate through their clerkships.
6. Pelvic Floor Disorders: Clinical experience for Family Medicine residents. Created curriculum and provide teaching & mentorship during longitudinal office experience.
7. Urogynecology Rotation for OB-GYN Residents: Created curriculum, provide on-on-one teaching sessions, final exam, Blackboard content, etc.
8. Fellow Research Mentor. Served as research advisor for FPMRS fellow resulting in successful submission of thesis and publication. Served as Research Mentor & Advisor for FPMRS fellow, including participation on her Master's Thesis Committee for her MPH program. Currently serving as Research Mentor & Advisor for FPMRS fellow
9. Faculty Facilitator, Outpatient Urogynecology Rotation for Family Medicine Residents. Development of curriculum and teaching plan.
10. Faculty Facilitator, Outpatient Urogynecology Rotation for Urology Residents. Development of curriculum & teaching plan.
11. Faculty Participant, Quarterly Resident GYN & Obstetric Skills Lab. Preparation of models and skills teaching of obstetric laceration repair. Supervision and evaluation of Fellows in a teaching role
12. Medical Student Advisor for OB-GYN Residency Application Provide counseling regarding application requirements, assessment of qualifications, program choice, interview skills. Assess and edit CVs and personal statements. Typically 4-8 students per year with 2-5 meetings with each.
13. Resident Research Mentor Have acted as primary faculty advisor for 3 resident research projects; two have resulted in presentation at a national meeting; both manuscripts submitted for publication; one just presented at resident research day and being submitted to national meeting for 2013. Have acted as accessory faculty advisor on several resident research projects resulting in successful presentation at Resident Research Day, national presentation, and publication.
14. Perioperative Care of The Geriatric Patient Lecture Series Lectures series focusing on normal geriatric physiology and physiologic changes in the peri-operative setting affecting provision of medical care.

15. Faculty Facilitator & lecturer, Mindful Practice Curriculum Preparation & delivery of recurring 6 part lecture series as part of the university-wide program sponsored by MLMIC and the Arthur Vining Davis Foundation.
16. Faculty Facilitator, Outpatient Urogynecology Rotation for OB-GYN Residents. Development & implementation of formal curriculum, scheduling, and resident evaluations. Resulted in improved resident & faculty satisfaction with the Urogynecology experience including consistent resident evaluation of the rotation as one the highest rated rotations
17. Minimally Invasive GYN Surgery In-Service for Nursing as part of MIS Center of Excellence continuing education. 4 sessions attended by OB-GYN nursing staff; filmed for future educational opportunities. Surgery for SUI & Post-op Evaluation of Voiding Function. Perioperative Care of the Geriatric Patient. - 1/2015
18. Geriatric Incontinence. Annual lecture for URMG Geriatric Fellows.

Timothy De Ver Dye, Ph.D.

1. Director, OB/GYN Resident Research Program
2. Director, Biomedical Data Science Graduate Certification Program

Brent DuBeshter, M.D.

1. CREOG Lecture Review
2. Medical Student Didactic Sessions

Constantino Fernandez, M.D.

1. Clinical Instructor for the Women's Health Practice Continuity Clinic
2. Clinical Provider for the Women's Health Practice
3. Anthony Jordan Health Center Attending physician
4. OB/GYN on Call Service Attending
5. Preceptor of Students and Residents in surgical OB/GYN.
6. Quality Assurance Committee Member of the Perinatal Service
7. Surgical Preceptor to OB/GYN Residents and nurses in clinical OB/GYN.
8. Preceptor for: Spanish-Pediatric-Obstetrics and Gynecology mini Fellowship for Medical Students.

J. Christopher Glantz, M.D.

1. Course Co-Director, MSIV Ambulatory OBGYN elective
2. Course Director, MSIV General OB-GYN sub-internship
3. Course Director, MSIV Maternal-Fetal Medicine elective
4. Obstetrical Teaching Rounds: Medical Students III and IV, OB-GYN Residents I-IV, and Maternal-Fetal Medicine Fellows
5. MPH Thesis Committee (x5)
6. 2 PhD thesis committees

Amy R. Harrington, M.D.

1. Successful Interning course for graduating 4th year medical students encompassing Women's Health Care
2. Abortion and the Law: a 4th year medical student reading elective Role: Group discussion preceptor
3. Medical student didactics-Postmenopausal Bleeding, Menopause and Hormone Replacement Therapy, Antenatal and Intra-partum Fetal Assessment, Contraception and Vaginitis, Vaginal Bleeding in Early Pregnancy
4. Family Planning service – includes teaching options counseling, sexually transmitted disease counseling and screening, contraceptive counseling, evaluation of patients for first and second trimester abortion planning, evaluation of patients for moderate sedation, first trimester ultrasound, office paracervical block and laminaria placement, first and second trimester abortions, IUD and implant insertions, office first trimester abortion, Ryan module quiz reviews and journal club (every 2 weeks). Also offers a 2 week Family Planning elective (approximately 10 students each year) and a Medical Student for Choice elective (approximately 1-3 students for 2-6 weeks each summer).
 - o Creation of family planning resource website at URMC (www.urmc.rochester.edu/ob-gyn/family-planning.aspx)
 - o Creation and implementation of a Postpartum LARC protocol
 - o Creation of up-to-date evidence based contraception handouts for Women's Health Practice
5. Associate residency director
6. Resident lecture series – Values Clarification & Abnormal Uterine Bleeding
7. WHP clinical protocol development – Breast Mass Evaluation
8. FPC OR inservice
9. MSFC Papaya workshop, LARC workshop
10. Resident Simulation

Kathleen M. Hoeger, M.D.

1. Residency Core lecture series on Endocrinology of Pregnancy; Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian anomalies, University of Rochester Medical Center
2. Basic science lecturer/preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine, University of Rochester School of Medicine and Dentistry
3. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea, University of Rochester School of Medicine and Dentistry
4. Endocrine Core Conference Lecture Series Female Infertility; The Normal Reproductive Cycle and Amenorrhea; Menopause, University of Rochester Medical Center
5. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion, University of Rochester Medical Center

Vivian Lewis, M.D.

1. URMC- Leading from within: exploring and enhancing choices for midcareer women in academic medicine- lecture - Mentors versus Sponsors.
2. Laney Graduate School at Emory University, visiting faculty and invited presentation: Supporting the needs of a diverse group of emerging scholars through mentoring.
3. URMC- developed UR Mentors a pilot program for master mentors at URMC. The 6-workshop series will eventually become a university wide resource to train mentors.

4. URMW-women in neurology faculty development series-Workshop: Effective mentoring-not for women only.

Lioudmila V. Lipetskaia, M.D.

1. Cadaveric pelvic anatomy lab for medical students
2. OBGYN resident simulation course for TVT and 4th degree laceration repairs
3. Journal clubs for PFRMS fellows

Richard K. Miller, Ph.D.

1. Process of Discovery, 8 sessions/year, 4th Year Medical Students -
2. Hormone Laboratory, 3rd year medical students (4 - 2 hour sessions per year)
3. Integrated Organ Course - Female: lectures and laboratories, 2nd year medical students
Tox 522, Toxicology Section Head, 6 lectures and laboratories for graduate students
4. Instructor - Year 2 Medical Student Lectures- 1. Teratology Counseling 2. Occupational and Viral Exposures during Pregnancy
5. Year 4 - Medical Student Program Process of Discovery - Mentor for Obs/Gyn Group
6. Year 3 Medical Student Lectures - Reproductive Endocrinology Testing Teratology lecture and student presentations
7. Section Director and Instructor - Toxicology 522 - Reproductive and Developmental Section
8. Internship for High School Student - Annie Birmingham, Pittsford Mendon HS.

Shawn P. Murphy, Ph.D.

1. Dr. Murphy is one of the original faculty members involved in teaching the Human Placenta Biology Workshop at Queen's University in Kingston, Ontario, Canada, and has now lectured in the course for the past nine years. The course provides an intensive introduction to the biology of the human placenta, and trophoblast cells in particular, to clinicians, principal investigators and PhD students interested in pursuing pregnancy research. To date, students from over thirty countries have participated. Although Dr. Murphy was originally responsible for teaching the molecular biology component of the course, for the past two years he has given lectures emphasizing the utility of the WMIF method for studies of the human placenta. He also provides a laboratory component on the WMIF technique.

Katrina F. Nicandri, M.D.

1. Co-Director, Fourth Year Medical Student Ambulatory Clerkship (URMC) -Individualize each student's rotation for maximal experience in all aspects of ambulatory Obstetrics and Gynecology: Ultrasound, Family Planning, Colposcopy, etc. Meet with students weekly to discuss rotation and interesting clinical scenarios
2. Nexplanon/Implanon Trainer -Teach residents and faculty indications for use of Nexplanon. -Teach residents and faculty proper technique for Nexplanon insertion and removal.
3. Course Director, Pediatric Adolescent Gynecology -Developed Curriculum (lecture series) -Implemented Resident PAG Clinic at Women's Health Practice

4. Conference Director, Obstetrics and Gynecology Morbidity and Mortality Conference (URMC). -Compile Department Surgical Case Numbers for presentation (number of hospital readmissions, length of stay, etc) -Guide residents with case selection - Encourage faculty discussion for critical case review and identification of areas for improvement
5. Site Coordinator for OB/GYN 3rd year Clerkship. -Perform Mid-clerkship reviews Ensure a positive experience for 3rd year medical students in the OB/GYN clerkship Participate in grading meetings -Hold didactic sessions with the students each rotation
6. Pediatric and Adolescent Gynecology Curriculum -Development of learning objectives for the OB/GYN residents in the area of PAG. Development of a lecture series for the OB/GYN residents in the area of PAG. -Posting pertinent articles in the subspecialty of PAG on URMC, Blackboard.
7. Resident Simulation -- Gynecology Retractors and Prevention of Nerve Injury - Developed a simulation station to aid in resident education in the area of gynecologic retractors -Reviewed the common nerve injuries associated with gynecologic retractors and patient positioning prior to surgery.
8. Preceptor, Pediatric and Adolescent Gynecology Clinic -Adolescent Medicine Fellow - Mentor Adolescent Medicine Fellow in a faculty practice to provide experience in the area of Pediatric and Adolescent Gynecology.
9. Preceptor, Pediatric and Adolescent Gynecology Clinic -3rd year OB/GYN Resident - Elective Rotation -Mentor Obstetrics and Gynecology 3rd year Residents in a faculty practice during their elective rotation providing additional education in the area of Pediatric and Adolescent Gynecology.
10. Preceptor, Pediatric and Adolescent Gynecology Clinic -Ambulatory Rotation -Pediatric Residents - Mentor Pediatric Residents in a faculty practice during their ambulatory rotation providing additional education in the area of Pediatric and Adolescent Gynecology.
11. Preceptor, Pediatric and Adolescent Gynecology Clinic -Ambulatory Rotation -Medicine-Pediatric Residents -Mentor Medicine-Pediatric Residents in a faculty practice during their ambulatory rotation providing additional education in the area of Pediatric and Adolescent Gynecology.
12. Preceptor, Pediatric and Adolescent Gynecology Clinic -Adolescent Medicine Elective - Fourth year Clerkship -Mentor Fourth year medical students from the University of Rochester and visiting medical students in a faculty practice during their Adolescent Medicine Elective rotation providing education in the area of Pediatric and Adolescent Gynecology.
13. Preceptor, Faculty Gynecology Clinic -Women's Health Core Curriculum -2nd year medical students - Mentor Second year medical students in a faculty practice during their Women's Health Core Curriculum Course providing education in the area of Pediatric and Adolescent Gynecology and General Gynecology.
14. Attending Surgeon, Obstetrics and Gynecology Department of Obstetrics and Gynecology Strong Memorial Hospital, University of Rochester School of Medicine Rochester, NY -Supervise residents in the Operating Room; -Teaching safe, effective surgical technique, and post-operative care.
15. Attending Physician, Obstetrics and Gynecology Birth Center Department of Obstetrics and Gynecology Strong Memorial Hospital, University of Rochester School of Medicine Rochester, NY -Supervise residents on the Birth Center and Labor and Delivery overseeing management of antenatal care, intrapartum care, and postpartum care. - Supervise resident consultations in the Emergency Department and from other Medical Specialties Services within Strong Memorial Hospital.

16. Lecturer, Pelvic Inflammatory Disease -University of Rochester School of Medicine - Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture (1 hour) -Review of diagnostic criteria, etiologies, and treatment of PID
17. Lecturer, Gynecologic Issues for Adolescents with Developmental Disabilities. - University of Rochester School of Medicine -Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture -Discuss issues and problems unique to adolescents with disabilities and ways a gynecologist may help improve quality of life.
18. Lecturer, Normal and Abnormal Puberty -University of Rochester School of Medicine - Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture -Understand sequence of events that lead to puberty, normal menstrual cycle, sexual maturation ratings, and recognize signs of abnormal development.
19. Lecturer, Periods, More than a Punctuation -University of Rochester School of Medicine -Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture -Understand common menstrual problems in adolescents (secondary amenorrhea, dysmenorrhea, etc)
20. Lecturer, Problem Periods -University of Rochester School of Medicine -Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture -Discuss primary dysmenorrhea and endometriosis and their mechanism of action and treatment modalities
21. Lecturer, Disorders of Sexual Development -University of Rochester School of Medicine -Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture -Define disorders of sexual development, embryogenesis, gender identity, and etiologies of DSD.
22. Lecturer, Primary Amenorrhea -University of Rochester School of Medicine -Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture -Discuss etiologies, evaluation, and treatment of primary amenorrhea.
23. Lecturer, Pediatric and Adolescent Gynecology, CREOG Review -University of Rochester School of Medicine -Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture -Review topics to be tested on the resident in-service exam in the area of Pediatric and Adolescent Gynecology.
24. Lecturer, Abnormal Uterine Bleeding -University of Rochester School of Medicine - Rochester NY -Women's Health Core Curriculum -2nd year medical students -Review common etiologies of AUB and treatment modalities -
25. Lecturer, Postmenopausal Vaginal Bleeding -University of Rochester School of Medicine -Rochester NY -Obstetrics and Gynecology Clerkship -3rd year medical students -Small Group Case Review and evaluation of required clerkship presentations.
26. Attending Physician, Obstetrics and Gynecology Continuity Clinic Department of Obstetrics and Gynecology Strong Memorial Hospital, University of Rochester School of Medicine Women's Health Practice Rochester NY -Oversee residents caring for patients in an ambulatory practice (develop differential diagnosis, patient evaluation (physical exam and testing), treatment plan (including decision for surgery), prenatal care, etc)
27. Preceptor, Faculty Gynecology clinic -Obstetrics and Gynecology Clerkship -3rd year medical students - Mentor Third year medical students in a faculty practice during their OB/GYN Clerkship providing education in the area of Pediatric and Adolescent Gynecology and General Gynecology.

Courtney Olson-Chen, M.D.

1. Prenatal Diagnosis Committee

2. Perinatal Mortality Conference
3. Maternal-Fetal Medicine First Year Fellows Conference
4. Perinatal Quality Foundation Newsletter Article
5. Resident Education- Ultrasound Teaching for Cervical Length

Brittany M. Paivanas, M.D.

1. Resident lecture
2. New intern simulation training
3. Teaching of medical students and residents on labor and delivery and precepting resident clinic

Colby A.H. Previte, M.D.

1. University of Rochester Medical Center, Department of OB/GYN, Lecturer, "Teaching, Learning, and Feedback," resident lecture series. An interactive, case-based didactic session, reviewing URSMD third year medical student learning objectives, education theory, and trouble-shooting exercises for residents addressing teaching, learning, and feedback. Updated yearly based upon direct examples provided by resident physicians of their own teaching struggles.
2. University of Rochester School of Medicine and Dentistry, Rochester, NY, Second Year Medical Student Lecture, Primary Care Clerkship Course, "Annual Well Woman Examination" (lecture given in both small- and large-group format up to twice yearly).
3. University of Rochester School of Medicine and Dentistry, Rochester, NY, Second Year Medical Student Lecture, Primary Care Clerkship Course, "Vaginitis" (lecture given in both small- and large-group format up to twice yearly).
4. University of Rochester School of Medicine and Dentistry, Rochester, NY, Second Year Medical Student Lecture, Primary Care Clerkship Course, "Abnormal Uterine Bleeding" (lecture given in both small- and large-group format up to twice yearly).
5. University of Rochester School of Medicine and Dentistry, Rochester, NY, First Year Medical Student Lecture/Lab, Primary Care Clerkship Course, Male/Female Genitourinary Intergration Conference, "The Female Genitourinary Examination" and accompanying skills lab (yearly in November)
6. University of Rochester Medical Center, Department of OB/GYN Outpatient Preceptor for second year medical students
7. University of Rochester Medical Center, Department of OB/GYN Lecturer, "Clinical Anatomy Review," twice quarterly lecture, OB/GYN clerkship orientation
8. University of Rochester, Department of OB/GYN, Rochester, NY Instructor, Female breast and pelvic exam to first and second year students

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

1. OBG 620: Reproductive Endocrinology and Infertility.
2. Lecturer: Molecules to Cells.
3. Panel of Experts, ICD-11 Task Force, World Health Organization. Geneva, Switzerland
4. Mentor, ACOG Mentor Program.
5. Clerkship Director, Obstetrics and Gynecology 620: Reproductive Endocrinology, University of Rochester Medical Center, Rochester, NY

6. Faculty Advisor, Ob/Gyn Student Interest Group, University of Rochester Medical Center, Rochester, NY
7. Lecturer. Reproduction Section. Disease Processes and Therapeutics 2. URM. - Present
8. Lecturer. Basic Science Course: Fertilization and Human Embryo Implantation. From Genes to Generations. Double Helix Curriculum
9. Lecturer, ACE Clerkship Curriculum. Department of Obstetrics and Gynecology
10. Lecturer: Molecules to Cells, University of Rochester Medical Center, Rochester, NY.
11. Residency Core lecture series on Endocrinology of Pregnancy; Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies, University of Rochester Medical Center
12. Basic science lecturer/preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine, University of Rochester School of Medicine and Dentistry
13. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea, University of Rochester School of Medicine and Dentistry
14. Endocrine Core Conference Lecture Series Female Infertility; The Normal Reproductive Cycle and Amenorrhea; Menopause, University of Rochester Medical Center
15. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion, University of Rochester Medical Center

Joseph J. Scibetta, M.D.

1. Instructor for Advanced Laparoscopic Procedures to Residents and Fellow Attending - Present

Neil S. Seligman, M.D.

1. Resident Simulation: Amniocentesis
2. Intern Simulation: Cesarean Section
3. Obstetrics and Gynecology Resident Journal Club
4. Curricular Resident Lectures: Cerclage, PPROM, and Preterm Birth
5. Curricular Resident Journal Club
6. Curricular Fellow Lectures: Twins, Progesterone, and Cerclage
7. Resident Simulation Lecture: Cerclage Indications, Counseling, and Technique
8. Curricular Fellow Lectures: Stillbirth
9. Curricular Resident Lectures: Obstetric Emergencies
10. Curricular Fellow Lectures: Progesterone: Current Indications and Controversies

Rebecca L. Skovgaard, C.N.M., M.S.

1. Grand rounds
2. PeriFACTS
3. Up-To-Date

Rajesh K. Srivastava, Ph.D.

1. IVF review Course to third year medical students at URM

2. Teaching and demonstration to medical students and visiting residents from Obstetrics and Gynecology about procedures related to In Vitro fertilization (IVF) and micromanipulation.

Christopher J. Stodgell, Ph.D.

1. Women's Health Clerkship (3rd Year Medical Class)
2. Women's Health Clerkship Basic Science Section (Teratology), Lectures given quarterly.
3. Tox 522 Developmental Toxicology
4. Tox 530: Reproductive and Developmental Toxicology (Mechanisms of Gene Expression)
5. Tox 522: Organ Systems Toxicology (Developmental Gene Expression)
6. CSP 384 Research in Developmental Neuropsychology (Ethics in Reporting Data)

Loralei L. Thornburg, M.D.

1. Disease Process & Therapy (DPT) Course instructor (2nd year medical school curriculum): Based on feedback from the students, asked to develop the block on obstetrics within the women's health block. -Responsible for creation and presentation of the entire obstetrical lecture section (4 hours). - During this series of lectures covering pregnancy from conception through parturition students are exposed to the unique nature of pregnancy including physiology, complications, and medical management of pregnancy. - Development of on-line complimentary educational materials and videos for supplementation.
2. Emergency Medicine Lectures: Trauma in obstetrical patients, Management of non-obstetrical medical complications in pregnancy, Delivery in the ED, Management of obstetrical emergencies in the ED Creation of a series of online series of videos for review and education, Lecture series on obstetrical emergencies in the ED, Development and running simulation with emergency and obstetrical faculty and residents for skill development in obstetrical emergencies that commonly occur in the emergency room
3. Creation of obstetrical skills simulation program, Due to a need for competency based skills testing, we developed a simulation curriculum for Ob/Gyn. Under this system, residents receive pre-teaching and didactic discussion of skills, followed by simulation of these skills, at least twice per year. Additional ad hoc simulation is also available on the labor and delivery service. A comprehensive assessment for using simulated skills began in June 2012. Multidisciplinary simulation with emergency medicine and anesthesia for critical event simulation, and team-building on an annual basis. Maternal Fetal Medicine Fellow simulation in rare obstetrical events including CVS, amniocentesis, shunt placement, rescue cerclage, and B-lynch. Development of simulators related to these events.
4. Intern Lecture series: Maternal Physiology of Pregnancy Normal & Abnormal Labor First Trimester Vaginal Bleeding Fetal Heart Rate Interpretation
5. Neonatology Fellow Lectures Obstetrical management of the prematurity Fetal Therapy Hypertension in Pregnancy Hemolytic disease of the fetus and newborn Rheumatologic Disease in Pregnancy
6. Resident Lectures: oGenetic screening oMultiple Gestation oAnnual CREOG Review for Obstetrics oAcute obstetrical ultrasound for the ob/gyn resident oAcute evaluation of the obstetric patient oMedical complications of pregnancy oObesity in Pregnancy oRenal disease in pregnancy oPreparing for the Oral Board examination
7. Medical Student Breast and Pelvic Teaching

Ellen J. Tourtelot, M.D.

1. Breast and Pelvic Exam Teaching for 2nd year medical students
2. Supervise Internal Medicine interns and residents in the outpatient clinic setting at Women's Health Practice.
3. Development of office hysteroscopy protocol for Women's Health Practice. -Wrote the procedure protocol -Wrote preoperative and postoperative instructions for patients - Obtained ACLS certification to be supervising physician
4. Development of ambulatory curriculum for OBGYN residents. Review various ambulatory topics with residents in continuity clinic.
5. Medical Student 3rd Year Clerkship Group Teaching
6. Attending Physician, Obstetrics and Gynecology Continuity Clinic Department of Obstetrics and Gynecology Strong Memorial Hospital, University of Rochester School of Medicine Women's Health Practice -Oversee OBGYN residents caring for patients in an ambulatory practice. -Teaching development of a differential diagnosis, patient evaluation including physical exam and testing and treatment plan.

Wendy S. Vitek, M.D.

1. Men and Women's Health Block co-director, Disease Process and Therapeutics, Second year medical student course
2. Genes to Generations co-director, Third year medical student course
3. Disease process and therapeutics course, Ovulatory disorders, University of Rochester School of Medicine and Dentistry
4. Disease process and therapeutics course, Reproductive disorders, University of Rochester School of Medicine and Dentistry
5. Residency Laparoscopy and hysteroscopy simulation course instructor, University of Rochester Medical Center
6. Basic Science Lecturer/Preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine, University of Rochester School of Medicine and Dentistry
7. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea, University of Rochester School of Medicine and Dentistry
8. Residency Core lecture series on Endocrinology of Pregnancy; Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies, University of Rochester Medical Center
9. Endocrine Core Conference Lecture Series Female Infertility; The Normal Reproductive Cycle and Amenorrhea; Menopause, University of Rochester Medical Center
10. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion, University of Rochester Medical Center
11. Hematology/Oncology Fellows Conference, Fertility Preservation, Wilmot Cancer Center, University of Rochester Medical Center

Ronald W. Wood, Ph.D.

1. Discovery course
2. Graduate student in the lab

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

1. Editor in Chief of periFACTS OB/GYN Academy, an online educational journal for doctors, and nurses.

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.

Principal Investigator: **Barrett,Emily S**
Sponsor: URMC Environmental Health Sciences Center / NIH
Title: Autism and inflammation: towards a translational animal model
Dates: 9/1/2014 - 8/31/2015
Direct Funds: \$8,000
Indirects: \$0
Total Funding: \$8,000

Principal Investigator: **Barrett,Emily S**
Sponsor: Mae Stone Goode
Title: Prenatal Androgens and PCOS
Dates: 1/1/2012 - 12/31/2015
Direct Funds: \$13,043
Indirects: \$1,956
Total Funding: \$14,999

Principal Investigator: **Barrett,Emily S**
Sponsor: Mae Stone Goode
Title: Environmental Chemicals, Hormones and Ovary Study
Dates: 4/1/2015 - 12/31/2015
Direct Funds: \$2,084
Indirects: \$313
Total Funding: \$2,397

Principal Investigator: **Barrett,Emily S**
Sponsor: Mt. Sinai School of Medicine (Icahn SOM)
Title: Phthalate exposure and gender-related development
Dates: 5/1/2015 - 1/31/2016
Direct Funds: \$53,130
Indirects: \$27,461
Total Funding: \$80,591

Principal Investigator: **Betstadt,Sarah J**
Sponsor: Mae Stone Goode
Title: SPARED: Scheduled Prophylactic Anti-Emetics for Reduction of Emesis with Doxycycline
Dates: 1/1/2015 - 12/31/2015
Direct Funds: \$10,043
Indirects: \$1,507
Total Funding: \$11,550

Principal Investigator: **Betstadt,Sarah J**
Sponsor: UNIV/Washington, St. Louis
Title: Levnorgestrel Intrauterine System for Emergency Contraception
Dates: 5/1/2015 - 3/14/2017
Direct Funds: \$11,500
Indirects: \$0
Total Funding: \$11,500

Principal Investigator: **Bhagavath,Balasubramanian**
Sponsor: Hologic, Inc.
Title: Global Endometrial Ablation Database
Dates: 5/20/2013 - 5/19/2019
Direct Funds: \$548,991
Indirects: \$214,107
Total Funding: \$713,689

Principal Investigator: **Bhagavath,Balasubramanian**
Sponsor: Mae Stone Goode
Title: Role of Dopamine Agonists in Uterine Myoma
Dates: 2/1/2014 - 12/31/2015
Direct Funds: \$13,043
Indirects: \$1,957
Total Funding: \$15,000

Principal Investigator: **Bonham,Adrienne D**
Sponsor: Mae Stone Goode
Title: Novel therapies for the treatment of genital pain
Dates: 1/1/2013 - 12/31/2015
Direct Funds: \$16,695
Indirects: \$2,505
Total Funding: \$19,200

Principal Investigator: **Buchsbaum,Gunhilde**
Sponsor: Mae Stone Goode
Title: Ultrasound Findings of Urethral Sphincter Complex in Women With and Without Sress Urinary Incontinence: A CAse Control Study
Dates: 2/1/2005 - 12/31/2015
Direct Funds: \$8,755
Indirects: \$1,313
Total Funding: \$10,068

Principal Investigator: **Buchsbaum,Gunhilde**
Sponsor: Mae Stone Goode
Title: Female urethral sphincter complex: a validation study comparing three & four dimension ultrasound and magnetic resonance imaging
Dates: 1/1/2012 - 12/31/2015
Direct Funds: \$10,000

Indirects: \$1,500
Total Funding: \$11,500

Principal Investigator: **Doyle,Paula J**
Sponsor: Mae Stone Goode
Title: Prevention of acute reirradiation cystitis with intravesical chondroitin sulfate
Dates: 1/1/2013 - 12/31/2015
Direct Funds: \$8,246
Indirects: \$1,237
Total Funding: \$9,483

Principal Investigator: **Doyle,Paula J**
Sponsor: Coloplast
Title: Novel laparoscopic and vaginal dissection in a cadaver model
Dates: 3/15/2014 - 3/14/2016
Direct Funds: \$1,500
Indirects: \$0
Total Funding: \$1,500

Principal Investigator: **Dye,Timothy D**
Sponsor: Mae Stone Goode
Title: Enhancing Clinical and Translational Research in Maternal Fetal Health Through Development of a Birth-Related Tissue Repository
Dates: 1/1/2015 - 12/31/2015
Direct Funds: \$35,985
Indirects: \$5,398
Total Funding: \$41,383

Principal Investigator: **Dye,Timothy D**
Sponsor: Pfizer Inc
Title: Electronic Health Record (EHR) - Enhanced Clinical Communication and Quality-of-Life Improvement in Managing Menopausal Vasomotor Symptoms (MVS)
Dates: 11/1/2014 - 10/31/2016
Direct Funds: \$390,625
Indirects: \$109,375
Total Funding: \$500,000

Principal Investigator: **Dye,Timothy D**
Sponsor: Worldwide Universities Network
Title: Data Diplomacy: Political & Social Dimensions of Data Collection & Sharing
Dates: 1/1/2015 - 12/31/2015
Direct Funds: \$15,278
Indirects: \$0
Total Funding: \$15,278

Principal Investigator: **Dye,Timothy D**
Sponsor: CDC

Title: Rochester Prevention Research Center - SIP - Coordination Center for the Global and Territorial Health Research Network - Dye
Dates: 9/30/2014 - 9/29/2019
Direct Funds: \$714,285
Indirects: \$285,715
Total Funding: \$1,000,000

Principal Investigator: **Dye, Timothy D**
Sponsor: DHHS/PHS/NIH
Title: MundoComm: ICT for Maternal Health in Costa Rica and Latin America
Dates: 5/18/2015 - 4/30/2018
Direct Funds: \$312,000
Indirects: \$14,000
Total Funding: \$326,000

Principal Investigator: **Foster, David C**
Sponsor: Mae Stone Goode
Title: Prevalence of epithelial to mesenchymal transition resulting from steroid treatment of Vulvar Lichen Sclerosus and Lichen Planus
Dates: 1/1/2010 - 6/30/2015
Direct Funds: \$11,100
Indirects: \$1,665
Total Funding: \$12,765

Principal Investigator: **Foster, David C**
Sponsor: UNIV/Tennessee
Title: A controlled trial of gabapentin in vulvodynia: biological correlates of response
Dates: 3/1/2011 - 2/28/2015
Direct Funds: \$439,409
Indirects: \$239,478
Total Funding: \$678,887

Principal Investigator: **Foster, David C**
Sponsor: DHHS/PHS/NIH
Title: Localized vulvodynia pathogenesis: fibroblast, yeast & melanocortin
Dates: 8/1/2012 - 7/31/2017
Direct Funds: \$1,008,805
Indirects: \$546,204
Total Funding: \$1,555,009

Principal Investigator: **Glantz, John Christopher**
Sponsor: NYS/Health
Title: Regional Perinatal Center
Dates: 4/1/2014 - 3/31/2019
Direct Funds: \$1,172,446
Indirects: \$0
Total Funding: \$1,172,446

Principal Investigator: **Lewis, Vivian**
Sponsor: Xavier University of Louisiana
Title: Xavier University Build Project "Pathways"
Dates: 12/1/2014 - 6/30/2015
Direct Funds: \$1,677
Indirects: \$0
Total Funding: \$1,677

Principal Investigator: **Miller, Morton W**
Sponsor: Mae Stone Goode
Title: Hyperthermic Chemical Synergistic Teratogenicity
Dates: 2/1/2014 - 12/31/2015
Direct Funds: \$13,043
Indirects: \$1,957
Total Funding: \$15,000

Principal Investigator: **Miller, Richard Kermit**
Sponsor: Mae Stone Goode
Title: Human placental toxicity of bisphenol: a pilot study
Dates: 1/1/2010 - 12/31/2015
Direct Funds: \$17,540
Indirects: \$2,701
Total Funding: \$20,241

Principal Investigator: **Miller, Richard Kermit**
Sponsor: Org. of Teratology Information Specialist
Title: The OTIS/Mother to Baby Reproductive and Environmental Health Network
Dates: 9/1/2014 - 8/31/2016
Direct Funds: \$100,000
Indirects: \$0
Total Funding: \$100,000

Principal Investigator: **Miller, Richard Kermit**
Sponsor: Org. of Teratology Information Specialist
Title: Supplement to The OTIS/Mother to Baby Reproductive and Environmental Health Network
Dates: 9/1/2014 - 8/31/2016
Direct Funds: \$9,000
Indirects: \$0
Total Funding: \$9,000

Principal Investigator: **Murphy, Shawn P**
Sponsor: DHHS/PHS/NIH
Title: Mechanisms of placental infection by food-borne pathogens
Dates: 7/15/2012 - 6/30/2017
Direct Funds: \$1,668,374
Indirects: \$430,169
Total Funding: \$2,098,543

Principal Investigator: **Murphy,Shawn P**
Sponsor: Mae Stone Goode
Title: Imagining the Human Placental and Extracellular Matrix
Dates: 1/1/2015 - 12/31/2015
Direct Funds: \$10,640
Indirects: \$1,596
Total Funding: \$12,236

Principal Investigator: **Pressman,Eva K**
Sponsor: UNIV/Cornell
Title: Determinants of neonatal iron homeostasis in women carrying multiples
Dates: 7/21/2011 - 5/31/2015
Direct Funds: \$146,586
Indirects: \$14,658
Total Funding: \$161,244

Principal Investigator: **Pressman,Eva K**
Sponsor: Mae Stone Goode
Title: Amniotic exosomes as predictive biomarkers for genitourinary anomalies
Dates: 1/1/2012 - 12/31/2014
Direct Funds: \$2,981
Indirects: \$447
Total Funding: \$3,428

Principal Investigator: **Pressman,Eva K**
Sponsor: UNIV/Cornell
Title: Vitamin D status impacts inflammation and risk of infections during pregnancy
Dates: 1/15/2012 - 1/14/2016
Direct Funds: \$188,082
Indirects: \$18,808
Total Funding: \$206,890

Principal Investigator: **Pressman,Eva K**
Sponsor: Mae Stone Goode
Title: The identification of a DNA viability window for the use of formalin-fixed paraffin-embedded tissue in comparative genomic hybrid micro
Dates: 7/1/2014 - 12/31/2015
Direct Funds: \$8,519
Indirects: \$1,278
Total Funding: \$9,797

Principal Investigator: **Seligman,Neil S**
Sponsor: rEVO Biologics Inc.
Title: Preterm preeclampsia feasibility study for PRESERVE-1
Dates: 1/21/2014 - 1/20/2015
Direct Funds: \$9,192
Indirects: \$2,758

Total Funding: \$11,950

Principal Investigator: **Seligman,Neil S**

Sponsor:

Title:

Mae Stone Goode

Cost Effectiveness of Cervical Length Screening Using Transvaginal
Ultrasound to Prevent Preterm Birth in Women with a History of Prior
Spontaneous Preterm Birth

Dates:

3/1/2014 - 12/31/2015

Direct Funds:

\$9,365

Indirects:

\$955

Total Funding:

\$10,320

Principal Investigator:

Shoots,Kelly I

Sponsor:

Genesee Valley Medical Foundation

Title:

Caring for growing families: a multidisciplinary approach to group prenatal
care in a community ob/gyn clinic

Dates:

4/1/2013 - 9/30/2014

Direct Funds:

\$4,670

Indirects:

\$0

Total Funding:

\$4,670

Principal Investigator:

Srivastava,Rajesh K

Sponsor:

Mae Stone Goode

Title:

Effects of Bisphenol A and Phthalates on Human Ovarian Granulosa Cell
Steroidgenesis

Dates:

3/1/2014 - 12/31/2015

Direct Funds:

\$18,000

Indirects:

\$2,700

Total Funding:

\$20,700

Principal Investigator:

Stahlhut,Richard W

Sponsor:

Mae Stone Goode

Title:

The effects of bariatric surgery on levels of persistent organic pollutants in
women of childbearing age

Dates:

3/16/2011 - 12/31/2015

Direct Funds:

\$26,088

Indirects:

\$3,912

Total Funding:

\$30,000

Principal Investigator:

Stahlhut,Richard W

Sponsor:

Mae Stone Goode

Title:

The association between prenatal phthalate exposure and childhood asthma
symptoms

Dates:

3/16/2011 - 12/31/2014

Direct Funds:

\$10,960

Indirects:

\$1,643

Total Funding:

\$12,603

Principal Investigator:

Stahlhut,Richard W

Sponsor: Passport Foundation
Title: Concentrations of unmetabolized bisphenol A in central vs subcutaneous fat in adult decedents at autopsy
Dates: 12/1/2011 - 12/31/2014
Direct Funds: \$26,390
Indirects: \$0
Total Funding: \$26,390

Principal Investigator: **Stodgell, Christopher J**
Sponsor: Mae Stone Goode
Title: Training in statistical genetics
Dates: 1/1/2010 - 6/30/2015
Direct Funds: 2,609
Indirects: 391
Total Funding: 3,000

Principal Investigator: **Stodgell, Christopher J**
Sponsor: Mae Stone Goode
Title: Gene-Environment Interactions in Teratogen-Induced Autism
Dates: 1/1/2010 - 12/31/2015
Direct Funds: \$24,529
Indirects: \$3,679
Total Funding: \$28,208

Principal Investigator: **Thornburg, Lorelei Lacina**
Sponsor: Mae Stone Goode
Title: Postpartum testing for diabetes mellitus in women with gestational diabetes mellitus
Dates: 1/1/2010 - 12/31/2015
Direct Funds: \$14,000
Indirects: \$2,100
Total Funding: \$16,100

Principal Investigator: **Thornburg, Lorelei Lacina**
Sponsor: Mae Stone Goode
Title: Peripheral blood mononuclear cells to determine the response of pregnant women to influenza and tetanus vaccination
Dates: 2/1/2014 - 12/31/2015
Direct Funds: \$12,286
Indirects: \$1,842
Total Funding: \$14,128

Principal Investigator: **Thornburg, Lorelei Lacina**
Sponsor: UNIV/SUNY-Buffalo
Title: Comparing gabapentin, ondansetron and placebo in treating hyperemesis gravidarum
Dates: 1/5/2014 - 6/30/2015
Direct Funds: \$122,195
Indirects: \$65,376

Total Funding: \$187,571

Principal Investigator: **Tourtelot, Ellen J**
Sponsor: Mae Stone Goode
Title: Analysis of Long Term Immunity After Vaccine As Compared to Long Term Immunity after Natural Varicella Infection
Dates: 1/1/2015 - 12/31/2015
Direct Funds: \$14,130
Indirects: \$2,119
Total Funding: \$16,249

Principal Investigator: **Vitek, Wendy S**
Sponsor: Mae Stone Goode
Title: Does Tissue Thickness Impact the Recovery of Viable Follicles from Vitrified Ovarian Tissue?
Dates: 3/1/2014 - 12/31/2015
Direct Funds: \$10,125
Indirects: \$1,070
Total Funding: \$11,195

Principal Investigator: **Wood, Ronald Wesley**
Sponsor: Mae Stone Goode
Title: New approaches to interstitial cystitis and pelvic pain disorders
Dates: 1/1/2013 - 12/31/2015
Direct Funds: \$13,043
Indirects: \$1,957
Total Funding: \$15,000

Principal Investigator: **Zozzaro-Smith, Paula E**
Sponsor: Mae Stone Goode
Title: Imaging of the placental vascular network in normal vs. preeclamptic pregnancies
Dates: 1/1/2013 - 12/31/2015
Direct Funds: \$10,998
Indirects: \$1,650
Total Funding: \$12,648

HONORS AND AWARDS

Cynthia L. Angel, M.D.

1. 2013 Howard J. Berman Prize - Howard J. Berman, Rochester, NY
2. America's Top Oncologist
3. America's Top Doctors in Gynecologic Oncology - U.S. News in partnership with Castle Connolly Medical Ltd. (National Award)
4. America's Top Oncologists - Consumer's Research Council of America (National Award)
5. America's Top Oncologist 2007 - SLD Industries, Inc.
6. Edward Moore Mott Award- 5/6/2015, MCMS Rochester NY

Emily S. Barrett, Ph.D.

1. BIRCIWH Scholar - NIH- Office for Research on Women's Health

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

1. Alpha Omega Alpha, University of Rochester Faculty Inductee (Selected by the URMC class of 2015 for clinical excellence, compassionate care, and dedication to the education for medical students)
2. Leonard Tow Humanism in Medicine, University of Rochester (Awarded by Medical School class of 2015, to be presented at commencement)

Bala Bhagavath, M.D.

1. Journal of Minimally Invasive Gynecology Certificate of Excellence

Adrienne D. Bonham, M.D.

1. Beta Gamma Sigma - International business school honor society
2. Alpha Omega Alpha Medical Honor Society

Gunhilde Buchsbaum, M.D.

1. M.B.A. at the Simon Business School, University of Rochester.
2. Dean's List for high academic achievement in the Executive MBA Program - University of Rochester, Simon Business School Rochester, NY

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

1. Appointment to New York State Board of Midwifery - New York State Department of Education
2. Chairperson - New York State Board of Midwifery, New York State department of Education, Albany NY
3. Appointed Professor Emeritus of Obstetrics/Gynecology, November 2014

Paula J. Doyle, M.D.

1. ICARE BRONZE STAR RECIPIENT - University of Rochester Medical Center and UR Medicine

Brent DuBeshter, M.D.

1. APGO Excellence in Teaching Award - Association of Professors of Gynecology & Obstetrics
2. US News Top Doctor Recognition
3. Americas Top Oncologists - Consumer Research Council of America

Timothy De Ver Dye, Ph.D.

1. Fellow (Elected) - American College of Epidemiology
2. Fellow (2004) and Chartered Geographer (2006) - Royal Geographic Society, London, UK

Amy R. Harrington, M.D.

1. AOA election, URM - declined due to prior election

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

1. Elected to SJFC Science and Technology Hall of Fame – St. John Fisher College, Rochester, NY

Stephanie C. Laniewski, M.S.

1. Recertified as genetic counselor, 2015
2. Strong Star

Lioudmila V. Lipetskaia, M.D.

1. Strong Stars

Richard K. Miller, Ph.D.

1. ReCertified Fellow Academy of Toxicological Sciences
2. ReCertified Clinical Laboratory Director, State of New York

Katrina F. Nicandri, M.D.

1. Bronze Star, University of Rochester, Strong Memorial Hospital

2. AAMC: Early Career Women Faculty Professional Development Seminar - AAMC, Englewood, CO
3. Alpha Omega Alpha inducted

Ellen L. Poleshuck, Ph.D.

1. Developing From Within: Exploring and Enhancing Choices for Mid-Career Women in Academic Medicine Professional Development Program: Selected for first class, URM, 2014-2015

Colby A.H. Previte, M.D.

1. Commendation for Excellence in Third Year Teaching - School of Medicine and Dentistry, Class of 2015, University of Rochester

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

1. Strong Stars
2. Patient Recognition Award

Neil S. Seligman, M.D.

1. ACOG CREOG National Faculty Award

Wendy S. Vitek, M.D.

1. Teaching Commendation for Second Year Medical Student Teaching During the 2012-2013 Academic Year, University of Rochester School of Medicine and Dentistry

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

1. Best Doctors in America Listed under: Addiction Medicine, Addicted Pregnant Women, Obstetrics & Gynecology, Maternal-Fetal Medicine
2. Community Champion - The Perinatal Network of Monroe County, Inc.
3. Guide to America's Top Obstetricians and Gynecologists - SLD Industries
4. Who's Who in Medicine and Healthcare
5. Who's Who Among America's Teachers

PRESENTATIONS AT NATIONAL AND REGIONAL MEETINGS

Stephan J. Bacak, D.O., M.P.H.

1. Zozzaro-Smith P, Bacak SJ, Glantz JC, Thornburg LL. Association between insurance and adequacy of prenatal care. 2015 Annual Clinical Meeting of the American College of Obstetricians and Gynecology, 2015. (poster)
2. Nwabuobi C, Bacak SJ, Glantz JC, Li D, Dye T, Ozcan T. Incidence of gestational diabetes mellitus in twin pregnancies and association with perinatal outcomes. American Diabetes Association 75th Scientific Session, 2015. (publication)
3. Bacak SJ, Ozcan T, Zozzaro-Smith P, Seligman N, Glantz CJ. Impact of weight gain in triplet pregnancies on perinatal outcomes. The Society for Maternal-Fetal Medicine Pregnancy Meeting, 2015. (poster)

Emily S. Barrett, Ph.D.

1. Fjeldheim, FN, Frydenberg, H, Flote, VG, McTiernan, A, Ellison, PT, Barrett, ES, Jasienska, G, Makar, KW, Ursin, G, Wist, EA, Thune, I. Polymorphisms in the estrogen pathway, estrogen receptor alpha gene (ESR1), daily cycling estrogen, and mammographic density. Poster presentation at American Society of Clinical Oncology meeting, June 2015, Chicago, IL.
2. Barrett, ES and Sobolewski, MT. Is phthalate exposure really ubiquitous? Evidence from a remote hunter-gatherer population. Oral presentation to University of Rochester Environmental Health Sciences Center Faculty. May 2015, Rochester, NY.
3. Barrett, ES. Pregnancy cohort studies at the University of Rochester. Department of Obstetrics and Gynecology Grand Rounds. April 2015. Rochester, NY.
4. Adibi, JJ, Lee, MK, Naimi, AI, Barrett, E, Nguyen, R, Sathyanarayana, S, Saperstein, K, Thiet, M-P, Janssen, S, Baskin, L, Redmon, JB, Swan, SH. Placental human chorionic gonadotropin is associated with sex-specific development and the response to endocrine disruptors. Oral presentation at the Endocrine Society meeting (ENDO), March 2015, San Diego, CA.
5. Alur, S, Barrett, E, Li, D, Hoeger, K, Dye, T. Differences in birth outcomes between Caucasian and African American women undergoing ART. Poster presentation at the Endocrine Society meeting (ENDO), March 2015, San Diego, CA.
6. Swan, SH and Barrett, ES. The androgenic action of stress during fetal development. Oral presentation at the Prenatal Programming and Toxicity (PPTOX) meeting, October 2014, Boston, MA.
7. Barrett, ES, Parlett, LE, Swan, SH. Environmental exposure to di-2-ethylhexyl phthalate is associated with low interest in sexual activity in premenopausal women. Poster presentation at the American Society for Reproductive Medicine meeting, October 2014, Honolulu, HI.
8. Alur, S, Hoeger, K, Wang, H, Swan, SH, Barrett, ES. Infertile women who conceived using assisted reproductive technology (ART) have lower urinary phthalate metabolite concentrations than infertile women who conceived spontaneously. Poster presentation at the American Society for Reproductive Medicine meeting, October 2014, Honolulu, HI.

9. Sathyanarayana, S, Barrett, ES, Janssen, S, Nguyen, RHN, Redmon, JB, Swan, SH. Early pregnancy phthalate exposure and infant birthweight within the TIDES study. Oral presentation at the International Society for Environmental Epidemiology meeting, August 2014, Seattle, WA.

Amy R. Benjamin, M.D.

1. Carrillo JF, Benjamin AR, Howard FM. "Anatomical Principles for Laparoscopic Sacrospinous Ligament Transection in Pudendal Neuralgia." Video presentation at AAGL, November 2014.
2. Benjamin AR, Howard FM. "Repeat Surgery for Endometriosis-Related Pelvic Pain: Pain Scores and Number of Lesions." Oral presentation at AAGL, November 2014.

Sarah J. Betstadt, M.D.

1. Pilato A and Betstadt, SJ. PACS: Post Abortion Contraception Study: assessing contraceptive choice after abortion. Poster Presentation, Association of Reproductive Health Professionals, Sept 2014. Charlotte, North Carolina
2. Demment, M, Dozier, A, Betstadt, S, Harrington, A, Wojtowycz, M, Dye T. Going beyond mothers' race/ethnicity: Variation in intended pregnancy by country of birth. Poster Presentation, Xavier University of Louisiana College of Pharmacy eighth health disparities conference. March, 2015. New Orleans, LA.
3. Safety and efficacy of prolonged and serial laminaria placement in second-trimester pregnancy termination. Retrospective chart review. PI: Betstadt. Residents: Locher, Melcher. Unfunded. To be presented at resident research day May 2015. Accepted for poster presentation at the 2015 North American Forum on Family Planning. Chicago, IL.
4. Continuation rates and repeat pregnancy in immediate post-partum Nexplanon users. Retrospective chart review. PI: Betstadt. Resident: Nosek. Unfunded. To be presented at resident research day May 2015. Accepted for poster presentation at the 2015 North American Forum on Family Planning. Chicago, IL.
5. Grand Rounds Speaker, "Abortion Perspectives: Global, National, Local" SUNY Buffalo, Department of Obstetrics and Gynecology, Buffalo, NY. September 2014
6. Grand Rounds Speaker, Values Clarification exercise and hands-on Papaya workshop, SUNY Buffalo, Department of Obstetrics and Gynecology, Buffalo, NY October 2014
7. Invited Speaker, "Contraception for the medically complex patient," ACOG District II Meeting, NY, NY. October 2014
8. Grand Rounds Speaker, Contraception: Preventing Unplanned Pregnancies by Understanding Evidence and Efficacy, Albany Medical Center, Albany, NY. March 2015

Bala Bhagavath, M.D.

1. Speaker on "Stimulation protocols for women with AMH <0.1" and "Prompt stimulation protocols for women with cancer". 2nd World Congress on Ovulation Induction and Ovarian Stimulation Protocols (WOOSP). Mumbai, India - 8/9/2014
2. Speaker on "How to Detect, Characterize and Treat Uterine Fibroids". Society for Reproductive Surgeons Symposium, ASRM 2014 Annual Meeting, Honolulu, Hawaii - 10/20/2014

3. Roundtable Discussion "Fibroid Morcellation and Cancer Risk – Must We Now Change Practice?" Society for Reproductive Surgeons Symposium, ASRM 2014 Annual Meeting, Honolulu, Hawaii - 10/20/2014
4. Speaker on Multimedia Presentation Skills, Faculty Development Workshop, University of Rochester Medical Center - 9/9/2014

Adrienne D. Bonham, M.D.

1. Poster Presentation – Development of an Integrated Practice Center for Chronic Pelvic and Gynecologic Pain – Presented at the 2015 ELAM Leaders Forum, Philadelphia, PA. April 2015

Gunhilde Buchsbaum, M.D.

1. Wilmot Cancer Center. Collaborating on Addressing Pelvic Floor Disorders Following Radiation - 5/22/2015
2. Urogynecology Didactics-The Business of Medicine- The Importance of Engaged Staff - 4/6/2015
3. Urogynecology Didactics the Business of Medicine; Evaluating and Improving Office Flow - 3/30/2015
4. Simon School of Business. Implementing the living brand-Employee engagement in Department of Obstetrics and Gynecology - 2/19/2015
5. Primary Care Grand Rounds at Highland Hospital. Urinary Incontinence-does it not really matter? - 1/6/2015
6. Women's Leadership Program, Developing from Within: Exploring and Enhancing Choices for Mid-Career Women in Academic Medicine. "Communicating Skills and Experience through Your CV". Workshop. Rochester, NY - 10/31/2014
7. Urogynecology Didactics. Putting together a CV that works - 10/13/2014

Jorge F. Carrillo, M.D.

1. International Meeting: Guest Speaker at XXI International Congress FLASOG (Latin-American Federation of Obstetrics and Gynecology Societies) done in Guayaquil, Ecuador. Chronic pelvic pain symposium coordinator and speaker: "Neuroanatomy and pathophysiology of chronic pelvic pain", "Surgical treatment of endometriosis related to chronic pelvic pain", "Abdomino pelvic neuropathies and chronic pelvic pain". - 9/18/2014-9/19/2014
2. Director of "Abdomino Pelvic anatomy review" for "Back to Basic Science Curriculum" Anatomy curriculum for 3rd year medical students of the University of Rochester. Included cadaveric dissections, laboratory and a half-day course to review relevant abdominopelvic anatomy with clinical correlation applied to Ob/Gyn. This course is done 4 times/year, 08/2014 - 12/1/2014
3. Moderator. Video session 10. Advanced Endoscopy. 43rd Global Congress on Minimally Invasive Gynecology. Vancouver, Canada. - 11/20/2014
4. "Anatomical principles for laparoscopic sacrospinous ligament transection in pudendal neuralgia". Video presented at 43rd Global Congress on Minimally Invasive Gynecology. Vancouver, Canada - 11/19/2014

5. International Meeting: Guest speaker and moderator at the Pontificia Universidad Javeriana in Bogotá, Colombia; for the event: VII Medical Student Congress. Event oriented to reinforce the importance of research in medicine. - 10/29/2014
6. "Anatomy lab", Didactics to Urogynecology Department presenting cadaveric dissections done with gynecologic surgical relevant anatomy. - 9/8/2014
7. "Simulation day for residents". Supervisor at the laparoscopic skills station. - 8/1/2013

Timothy De Ver Dye, Ph.D.

1. Li D, Dye TD. Another look at multiple testing procedures controlling expected number of false discoveries. Western North American Region of the International Biometric Society and the Institute of Mathematical Statistics Combined Conference, Boise, Idaho, June 2015.
2. Kumar D, Barrett E, Li D, Hoeger K, Dye TD. Sex ratio at birth in relation to use of Assisted Reproductive Technologies (ART). American Society for Reproductive Medicine 2015, Baltimore, Maryland.
3. Gable E, Barrett ES, Li D, Vitek W, Hoeger KM, Dye TD. Counseling practices and social outcomes in pregnancies conceived with assisted reproductive technologies. American Society for Reproductive Medicine 2015, Baltimore, Maryland.
4. Elia J, Soon R, Beckwith N, Uemoto M, Kaneshiro B, Dye TD. Understanding pregnancy intention and contraceptive decision-making among Native Hawaiians: Focus groups with Native Hawaiian women and men. North American Forum on Family Planning, Chicago, November 2015.
5. Soon R, Elia J, Beckwith N, Kaneshiro B, Dye TD. Contraceptive decision-making among Native Hawaiian women. North American Forum on Family Planning, Chicago, November 2015.
6. Nosek A, Betstadt S, Harrington A, Dye TD. Immediate Postpartum Contraception: Continuation and Repeat Pregnancy Rates. North American Forum on Family Planning, Chicago, November 2015.
7. Nwabuobi CK, Li D, Dye TD, Glantz CJ, Wojtowycz M, Ozcan T. Hypertensive disorders in twin pregnancies and association with perinatal outcomes. New York State Perinatal Association, Albany, NY, June 2015.
8. Chang J, Fogg T, Irvine C, Davin A, Bagchee A, Dye TD. Use of Cryptographic Hash Function to Integrate Electronic Health Records among Covered Entities without Personal Health Information (PHI) Disclosure. Translational Science 2015: Association for Clinical and Translational Science Annual Meeting. April 2015, Washington, DC.
9. Tatro A, Ng P, Davin A, Irvine C, Fogg T, Dye TD. Development of a Passive Abstraction Tool to Transport Clinical Data to REDCap Through i2b2: Giving the Control Back to the Researcher. Translational Science 2015: Association for Clinical and Translational Science Annual Meeting. April 2015, Washington, DC.
10. Dye TD, Peters K, Comerford B, Nawaz H, Demment M, Cordero J, Sy A, Fogg T, Blumenfeld R, Sullivan R, Massoudi M. Global Lessons, Local Impact: Development of the CDC's Global and Territorial Health Research Network – A Thematic Network of the Prevention Research Centers Program. American Public Health Association, November 2015.
11. Demment M, Groth S, Fernandez D, Dozier A, Chang J, Dye TD. Using Amazon's Mechanical Turk as a tool for a global survey: lessons learned from a large-scale implementation. American Public Health Association, November 2015.

12. Li D, Xie Z, Le Pape M, Dye TD. An evaluation of statistical methods for DNA methylation microarray data analysis. 4th International Conference and Exhibition on Biometrics & Biostatistics. San Antonio, Texas, November 2015.
13. Demment M, Dozier A, Detstadt S, Harrington A, Wojtowycz M, Dye TD. Going beyond race/ethnicity: Variation in intentions of pregnancy by country of birth. 8th Health Disparities Conference: From Cataloging Health Disparities to Creating Health Equity: Effective Models to Equalize Outcomes. New Orleans, March 2015.
14. Hazel-Fernandez L, Uribe C, Flanders S, Suehs B, Dye TD. Qualitative Methods for Assessing Patient, Caregiver and Physician – Reported Experiences with Oral Medications for Treatment of Metastatic Castration Resistant Prostate Cancer (mCRPC). International Society for Pharmacoeconomics and Outcomes Research, ISPOR 20th Annual International Meeting, Philadelphia PA, March 2015.
15. Hazel-Fernandez L, Uribe C, Flanders S, Suehs B, Dye TD. A Qualitative Study Examining the Medical and Psychosocial Impact of Treatment for Metastatic Castration-Resistant Prostate Cancer from the Patients', Caregivers', and Physicians' Perspectives. Academy of Managed Care Pharmacy AMCP 2015, San Diego, April 2015.
16. Nwabuobi CK, Bacak SJ, Dye TD, Li D, Glantz CJ, Ozcan T. Incidence of gestational diabetes mellitus in twin pregnancies and association with perinatal outcomes. American Diabetes Association's 75th Annual Scientific Sessions, Boston MA, April 2015.
17. Alur S, Barrett E, Li D, Hoeger K, Wojtowycz M, Dye TD. Differences in Birth Outcomes Between Caucasian and African American Women Undergoing ART. The Endocrine Society Annual Meeting ENDO 2015, San Diego, March 2015.
18. Dye TD, Palmo T, Elia JL, Demment MM, Tenzin N, Tseyang T, Wangchuk T. Access to hepatitis B treatment among Tibetan Refugees. National Institute of Minority Health and Health Development Grantees Conference: Transdisciplinary Collaborations: Evolving Dimensions of US and Global Health Equity, Washington, December 2014.
19. Palmo T, Dye TD, Elia JL, Tseyang T, Tenzin N, Wangchuk T. Culture change and perceptions of hepatitis B among Tibetan Refugees. National Institute of Minority Health and Health Development Grantees Conference: Transdisciplinary Collaborations: Evolving Dimensions of US and Global Health Equity, Washington, December 2014.
20. Elia JL, Dye T, Palmo T, Tseyang T, Tenzin N, Wangchuk T. Hepatitis B stigma among Tibetan refugees. National Institute of Minority Health and Health Development Grantees Conference: Transdisciplinary Collaborations: Evolving Dimensions of US and Global Health Equity, Washington, December 2014.
21. Elia J, Soon R, Beckwith N, Enos R, Dye TD. Community engagement in a research project to investigate pregnancy intention and contraceptive use among Native Hawaiians. 9th Annual He Huliau Health Disparities Conference: Community-Academic Partnerships for Pacific Health Equity, Honolulu, Hawaii, September 2014.

J. Christopher Glantz, M.D., M.P.H.

1. Bacek S, Zozzaro-Smith P, Glantz J, Seligman N, Ozcan T. Impact of Weight Gain in Triplet Pregnancies on Perinatal Outcomes. American Journal of Obstetrics and Gynecology 2015;212(1):S275. (Poster presentation at Society for Maternal-Fetal Medicine 35th Meeting, San Diego, CA, 2015).
2. Glantz J. Completed Sonographic Anatomic Surveys: The Exception Rather Than The Rule. American Journal of Obstetrics and Gynecology 2015;212(1):S389. (Poster presentation at Society for Maternal-Fetal Medicine 35th Meeting, San Diego, CA, 2015).

Amy R. Harrington, M.D.

1. Poster presentation: Demment M, Dozier A, Detstadt S, Harrington A, Wojtowycz M, Dye TD. Going beyond race/ethnicity: Variation in intentions of pregnancy by country of birth. 8th Health Disparities Conference: From Cataloging Health Disparities to Creating Health Equity: Effective Models to Equalize Outcomes. New Orleans, March 2015.

Diane M. Hartmann, M.D.

1. AAMC 2014 Annual Meeting – CLER Presentation, "CLER Similarities: Moving Toward Standards Across the UME-GME-CME Continuum," AAMC, Chicago, IL - 11/10/2014

Kathleen M. Hoeger, M.D.

1. ASRM Annual Meeting Interactive Symposium “Patient Dilemmas in PCOS” October 2014 Honolulu, HI
2. Androgen Excess PCOS Society Annual Meeting, “Weight management and Lifestyle Modification in PCOS” October 2014 Kauai, HI
3. Endocrine Society Annual Meeting, Symposium “Putting the Ovary to Rest: Benefits and Risks of OCs in Adolescents with PCOS” March 2015 San Diego CA
4. Postgraduate course faculty, Frontiers in Reproductive Endocrinology. “Hirsutism and Polycystic Ovary” March 2015, Arlington, VA
5. National LAM symposium, Patient seminar “Fertility when Estrogen is not an ally”, panel discussion “Hormones and LAM” March 2015 Chicago, IL
6. Grand Rounds, St Joseph’s Hospital. “Guidelines for the diagnosis and management of PCOS” November 2014 Syracuse, NY
7. Grand Rounds, University of Rochester Department of Obstetrics and Gynecology. “National Guidelines for the diagnosis and management of PCOS” January 2015 Rochester, NY

Vivian Lewis, M.D.

1. National Institute of General Medical Sciences- Interventions Progress Report Meeting- LaGuardia J, Lewis V- Psychological Need Satisfaction in Early Career Underrepresented Minority Academics: Implications for Job Satisfaction, Burnout, and Personal Well-being - 8/2014
2. National Human Genome Research Institute’s annual T32 and DAP program directors meeting lecture and panel member: Approaches to Mentor Training. Broad Institute at Harvard and Massachusetts Institute of Technology; 10/014
3. Association of American Medical Colleges annual national meeting-poster presentation: A randomized controlled trial of mentoring interventions and underrepresented groups of early career academics; 11/2014

Lioudmila V. Lipetskaia, M.D.

1. Treatment of refractory overactive bladder. Grand Rounds at Rochester General Hospital - 2/2015
2. N. E. Deveneau, C. F. Morales, L. Lipetskaia, A. Agrawal, A. Azadi, N. Herring, S. L. Francis "A unique method utilizing digital imaging for nerve stretch due to litotomy

- position" American Urogynecologic Society (AUGS). 35 Annual Scientific Meeting. Washington, DC. August, 2014 - 8/2014
3. FPMRS fellowship didactics lectures in topics of overactive bladder, vaginal pessaries, treatment of anterior prolapse and graft use in reconstructive surgery
 4. Lunch and lecture at community primary health clinic

Richard K. Miller, Ph.D.

1. Invited Education Lecturer, Teratology Society Education Course, Montreal, Canada June 27, 2015.
Title: How to Evaluate Workplace, Environmental and Home Exposure: Their Risks during Pregnancy
2. Invited Lecturer, Regional Postgraduate Teaching Morning, Golisano Children's Hospital at the University of Rochester, Rochester, New York, December 17, 2014
Title: Resources Available for Environmental Exposures in Infants, Children and Teenagers
3. Alumni Grand Rounds Speaker, Obstetrics/Gynecology Grand Rounds, University of Rochester School of Medicine and Dentistry, Rochester, New York October 16, 2014.
Title: Risk Assessment and Treatment Options for Pharmaceutical, Occupational and Environmental Exposures during Pregnancy: MotherToBaby UR Medicine.
4. Invited Symposium Speaker, European Network of Teratology Information Services (ENTIS) and the Organization of Teratology Information Services (OTIS) Joint Meeting II - Toronto, Canada, 18 – 21 September 2014.
Title: Placenta as a Predictor of Drug Toxicity, Environmental Exposures, and of Childhood & Adult Disease
5. Invited Speaker, International Federation of Placenta Association 2014 Meeting, Paris, France, Sept 9–14 2014.
Title: Human Placental Study of Genetics/Genomics, Environmental Contaminant and Morphology Assessments From 10 US Sites – Methods and Results from the US National Children's Study
6. Invited Symposium Speaker, Teratology Society, Bellevue, Washington, June 2014
Title: Environmental Exposures during Pregnancy: NCS Placenta Formative Research Investigation.

Shawn P. Murphy, Ph.D.

1. Shawn P. Murphy, Meghan Bushway, Scott Gerber, Richard K. Miller and Edith M. Lord. Imaging signal transduction in the human placenta. Society for Reproductive Investigation, San Francisco, California, March 25-28, 2015 (poster presentation).
2. Shawn P. Murphy, Meghan Bushway, Scott Gerber, Richard K. Miller and Edith Lord. Imaging the human placenta by whole mount immunofluorescence. South American Society for Reproductive Immunology, Mar del Plata, Argentina, April 13-15, 2015 (invited lecture).
3. Shawn P. Murphy, Meghan E. Bushway, Scott A. Gerber, Richard K. Miller and Edith M. Lord. Imaging cytokine signaling in the human placenta by whole mount immunofluorescence. American Society for Reproductive Immunology, Kingston, Ontario, June 2-5, 2015 (invited lecture).
4. Shawn P. Murphy, Catherine G. Burke, Meghan E. Bushway, Val Pyon and Scott A. Gerber. Differential responses of human trophoblast subtypes to type I and type III

interferons. American Society for Reproductive Immunology, Kingston, Ontario, June 2-5, 2015 (poster presentation).

Ellen L. Poleshuck, Ph.D.

1. Poleshuck, E., Alongi, D. (August, 2015). Patient-Centered Care in Obstetrics and Gynecology Settings: A Population Health Approach. Symposium panel to be presented to the the American Psychological Association Convention, Toronto, Canada.
2. Katz, J., Poleshuck, E., Beach, B., & Olin, R. (August 2015). Reproductive control by past sexual partners and young women's sexual health. Poster to be presented to the American Psychological Association Convention, Toronto, CA.
3. Poleshuck, E. (March, 2015). Screening, Diagnosis, and Treatment of Perinatal Depression. Invited address presented at The Maternal and Child Health Hospital of Hunan Province, in association with the School of Public Health, Central Southern University, Changsha, China.
4. Poleshuck, E., Crean, H., Danzo, S., Wittink, M., Juskiewicz, I., Cerulli, C. (March, 2015). Promote-W: Electronic Screening for Psychosocial Needs among Perinatal Women. Paper presented at the International Congress for Women's Mental Health, Tokyo, Japan.
5. Poleshuck, E. (February, 2015). Voices of Experience. Symposium panel presented at Getting to Know PCORI: From Application to Closeout, Houston, TX.
6. E Poleshuck, E. Bell (2014, August). Development of a Patient-Centered Approach to Depression for Women with Socioeconomic Disadvantage. Paper presented at the American Psychological Association, Washington, DC.
7. S Danzo, C Cerulli, E Poleshuck. (2014, April). Using a Tablet-Based Screen to Identify Psychosocial Needs in Women's Health Patients: A Feasibility Study. Poster presented at the 22nd Annual Congress on Women's Health, Washington, DC.

Eva K. Pressman, M.D.

1. Ru Y, Guillet R, Pressman E, Cooper E, Thomas C, O'Brien K. Placental Zip 8 expression is associated with heme and non-heme iron trafficking proteins. Experimental Biology Conference, Boston MA. - 3/31/2015
2. Mathew J, Thomas C, Rothenberg E, Guillet R, Cooper E, Pressman E, O'Brien K. Placental Calcium Transporter Expression and Calcitropic Hormones in Pregnant Teens. Experimental Biology Conference. Boston, MA. - 3/29/2015
3. Thomas C, Guillet R, Cooper E, Pressman E, Roberson M, O'Brien K. Exploring associations between vitamin D status and anemia in pregnant adolescents. Experimental Biology Conference, Boston, MA. - 3/29/2015
4. Lorelei L Thornburg, Lisa M Gray, Kristin M Knight, Holly Sato, Eva K Pressman. Postpartum Testing for Diabetes Mellitus in Women With Gestational Diabetes Mellitus. Society for Reproductive Investigation 62nd Annual Meeting, San Francisco, CA. - 3/27/2015

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

1. Post Graduate Course Chair, ASRM Annual Meeting. "Coding for Reproductive Endocrinology Practices. Lectures: "Fraud and Abuse." "Coding for ART Laboratories", "Evaluation and Management Services" , "Panel of Experts: Q + A."

Ruth Anne Queenan, M.D.

1. Biannual Obstetrics and Gynecology Presentation, Highland Hospital Board of Directors, Rochester, NY. - 11/2014
2. Panel Discussion on "Birth by the Numbers", Institute for Family-Centered Childbirth, Nazareth College, Rochester, NY. - 10/2014
3. Family Maternity Center Quality Initiatives, and the relationship to regional (New York State Perinatal Quality Collaborative) and national (American College of Obstetricians and Gynecologists) programs. Highland Hospital. - 7/2014

Neil S. Seligman, M.D.

1. Seligman NS, Gray L, Ozcan T, Berghella V. Transvaginal cervical length ultrasound: a cost analysis of screening and treatment strategies in high-risk women. New York State Perinatal Association 29th Annual Perinatal Conference, Albany, NY (Poster) - 6/2015
2. Anderson C, Gray L, Thorburg LT, Wissler R, Seligman NS. Unscheduled cesarean section: interval to delivery. Department of Obstetrics & Gynecology Resident Research Presentation Day, Rochester, NY (Oral Presentation) - 5/2015
3. TV Cervical Length Ultrasound: Cost analysis of screening and treatment strategies in high risk women. University of Rochester Department of Obstetrics and Gynecology, Rochester, NY (Grand Rounds) - 4/2015
4. Xiong Y, Berman J, Weiner S, Carre A, Seligman NS, et al. Noninvasive Prenatal Testing (NIPT) Registry-Patients' Results and Providers' Perspective. Society for Reproductive Investigation 62nd Annual Meeting, San Francisco, CA (Poster) - 3/2015
5. Gray L, Seligman N, Ozcan T, Berghella V. Transvaginal cervical length ultrasound: a cost analysis of screening and treatment strategies in high-risk women. Society for Maternal-Fetal Medicine 35th Annual Meeting, San Diego, CA (Poster) - 2/2015
6. Bacak S, Zozzaro-Smith P, Glantz J, Seligman N, Ozcan T. Impact of weight gain in triplet pregnancies on perinatal outcomes. Society for Maternal-Fetal Medicine 35th Annual Meeting, San Diego, CA (Poster) - 2/2015
7. Seligman NS and Laniewski S. An update on Genetics and Genetic Counseling. Associates for Women's Medicine, Syracuse, NY - 1/2015
8. Economic Analysis in Health Care: Using Dollars to Analyze Decisions. University of Rochester Department of Obstetrics and Gynecology, Rochester, NY (Research Workshop) - 12/2014

Rajesh K. Srivastava, Ph.D.

1. Aritro Sen, Xiaoting Ma, Rajesh K. Srivastava and Stephen R. Hammes. Cocaine and Amphetamine regulated transcript (CART) is a novel intrafollicular mediator of obesity related infertility. Endocrine Society 97th Annual Meeting, Abstract # THR-107, San Diego, CA 2015

Loralei L. Thornburg, M.D.

1. When to (still) use magnesium in obstetrics District II ACOG - 10/2014
2. Intrapartum Obesity management District II ACOG - 10/2014

Wendy S. Vitek, M.D.

1. Urology grand rounds, Fertility preservation: expanding our understanding of reproductive physiology, University of Rochester Medical Center
2. Pediatric Grand Rounds, Fertility Preservation: Hope for the future. Women and Children's Hospital of Buffalo
3. Ob/gyn grand rounds, Oocyte Cryopreservation: Hope for the future, University of Rochester Medical Center
4. Genesee Valley Oncology Nursing Society conference: Fertility Preservation: Hope for the future. Colgate Rochester Crozier Divinity School, Rochester, NY
5. Hematology/oncology conference, Fertility Preservation: Hope for the future. Rochester General Hospital
6. National Kidney Foundation annual meeting. Fertility preservation for women with chronic renal disease. Dallas, Texas
7. Uyenishi J, Vitek W, Queenan J, Bhagavath B, Hoeger K. Predictive value of serum anti-mullerian hormone in obese and non-obese women with polycystic ovary syndrome receiving oral ovulation induction agents. Poster presentation, Annual Meeting, American Society for Reproductive Medicine, Honolulu, HI

Ronald W. Wood, Ph.D.

1. PJ Doyle, E Duecy, R Wood: Sodium Fluorescein as an Alternative to Indigo Carmine™ during Intraoperative Cystoscopy Journal of Minimally Invasive Gynecology 22(3):S65. Abstracts of the 41st Annual SGS Scientific Meeting - 4/15/2015-4/15/2015
2. EM Bouta, I. Kuzin, K de Mesy-Bentley, RW Wood, H Rahimi, RC Ji, CT Ritchlin, A Bottaro, L Xing, EM Schwarz: Amelioration of Inflammatory Arthritis By Anti-TNF Therapy Is Associated with Restoration of Lymphatic Contraction. Platform presentation at ACR/ARHP Annual Meeting Boston, MA. - 11/16/2014-11/16/2014
3. JA. Wojtczak, DM. Mickelsen, RW Wood, MP Eaton, CN Morell: High - frequency Ultrasound Imaging of Murine Lung in Cardiogenic Pulmonary Edema. Oral Presentation at American Society of Anesthesiologists Annual Meeting - 10/12/2014-10/12/2014
4. Rahimi, Homaira, Yawen Ju, Echoe M. Bouta, Ronald Wood, Christopher T. Ritchlin, and Edward M. Schwarz. "The Nitric Oxide Receptor Soluble Guanylyl Cyclase Is Found in Lymphatic Vessels of Arthritic Mice and Inhibition Alters Lymphatic Pulse." In ARTHRITIS & RHEUMATOLOGY, vol. 66, pp. S1025-S1025. - 10/1/2014-10/1/2014
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Paula E. Zozzaro-Smith, D.O.

1. 34th Society for Maternal Fetal Medicine Annual Meeting--New Orleans, LA Poster Presentation: Second and Third Trimester weight Gain and Perinatal Outcome Among

- Twin Pregnancies; Tulin Ozcan, MD, Stephen Bacak, DO, Paula Zozzaro-Smith, DO, Lorelei Thornburg, MD, and Christopher Glantz, MD - 2014
2. 34th Society for Maternal Fetal Medicine Annual Meeting--New Orleans, LA Poster Presentation: Imaging of the placental architecture in normotensive versus pregnancies complicated by preeclampsia; Paula Zozzaro-Smith, DO, Meghan Bushway, Scott Gerber, PhD, Eva Pressman, MD, Edith Lord, PhD, and Shawn P. Murphy, PhD - 2014
 3. Annual ACOG Clinical Meeting--Chicago, IL Poster Presentation: Association Between Obesity During Pregnancy and the Utilization of Prenatal Services; Paula Zozzaro-Smith, DO, Stephen Bacak, DO, MPH, Jennifer Park, Melanie Spall, J. Christopher Glantz, MD, and Lorelei Thornburg, MD - 2014
 4. Annual ACOG Clinical Meeting –San Francisco, CA Poster Presentation: Association between insurance and adequacy of prenatal care: Does insurance status in the obese population influence prenatal care adequacy?; Paula Zozzaro-Smith DO, Stephen Bacak DO MPH, J. Christopher Glantz MD MPH, and Lorelei Thornburg MD – 2015
 5. 35th Society for Maternal Fetal Medicine Annual Meeting – San Diego, CA Poster Presentation: Impact of weight gain in triplet pregnancies on perinatal outcomes; Stephen Bacak DO MPH, Paula Zozzaro-Smith DO, J. Christopher Glantz MD MPH, Neil Seligman MD MS, and Tulin Ozcan MD - 2015

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3. Edlow A, Bacak SJ. What is PROM? Patient Handout from the Society for Maternal-Fetal Medicine. Contemporary OB/GYN. November 2014.
4. Bacak SJ, Thornburg LL. Hepatitis C in pregnancy. Peri-FACTS, University of Rochester Medical Center. September 2014.
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Emily S. Barrett, Ph.D.

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Gunhilde Buchsbaum, M.D.

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Timothy De Ver Dye, Ph.D.

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Amy R. Harrington, M.D.

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Kathleen M. Hoeger, M.D.

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Vivian Lewis, M.D.

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Richard K. Miller, Ph.D.

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2. Darrah TH, Kravchenko J, Lyerly HK, Miller RK, Vengosh A. "A review of the health impacts of barium from natural and anthropogenic exposure." *Environmental geochemistry and health*. 2014 Aug; 36(4): 797-814. Epub 2014 May 21.
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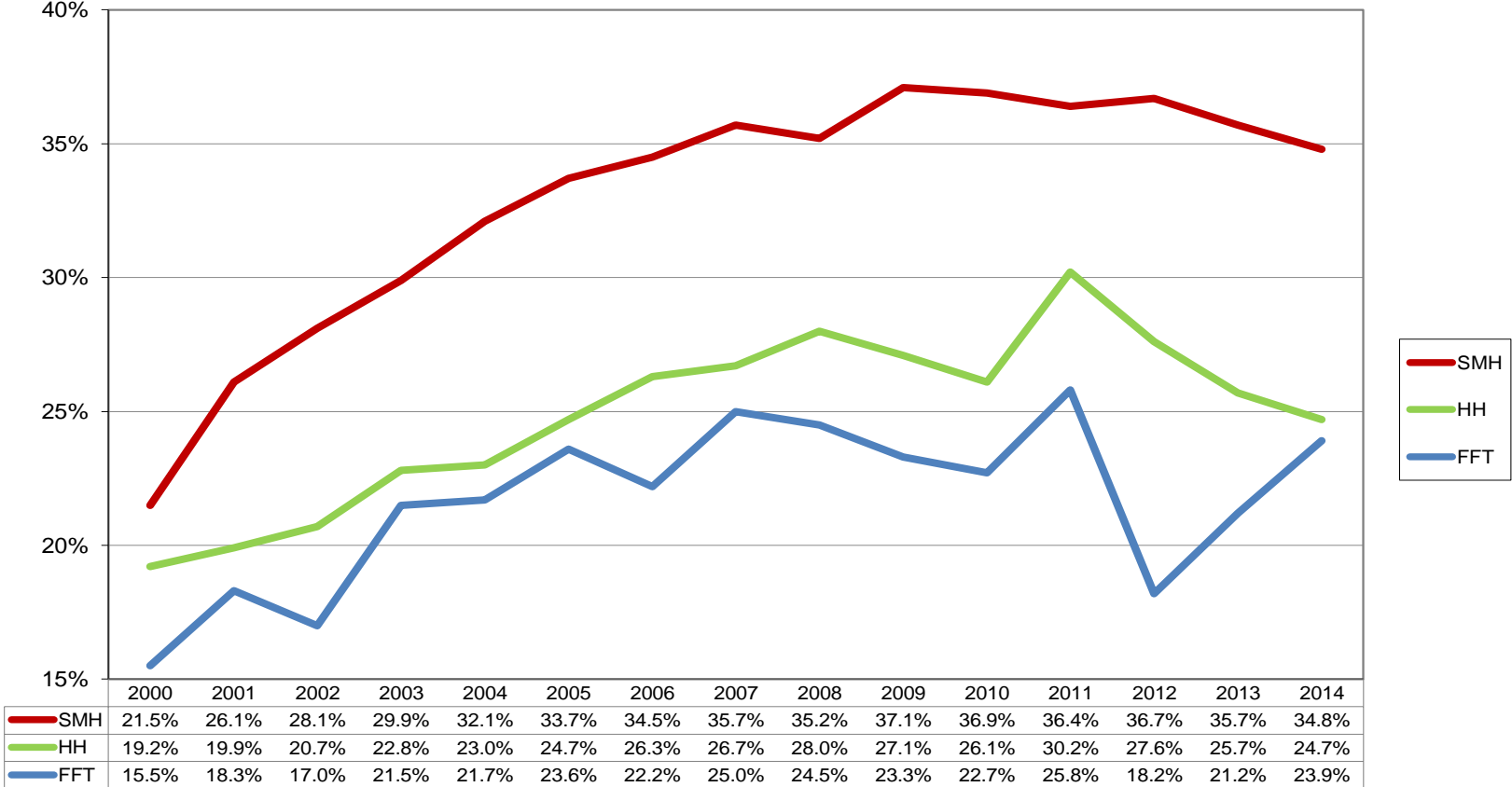
DEPARTMENTAL STATISTICS

University of Rochester

Department of Obstetrics and Gynecology

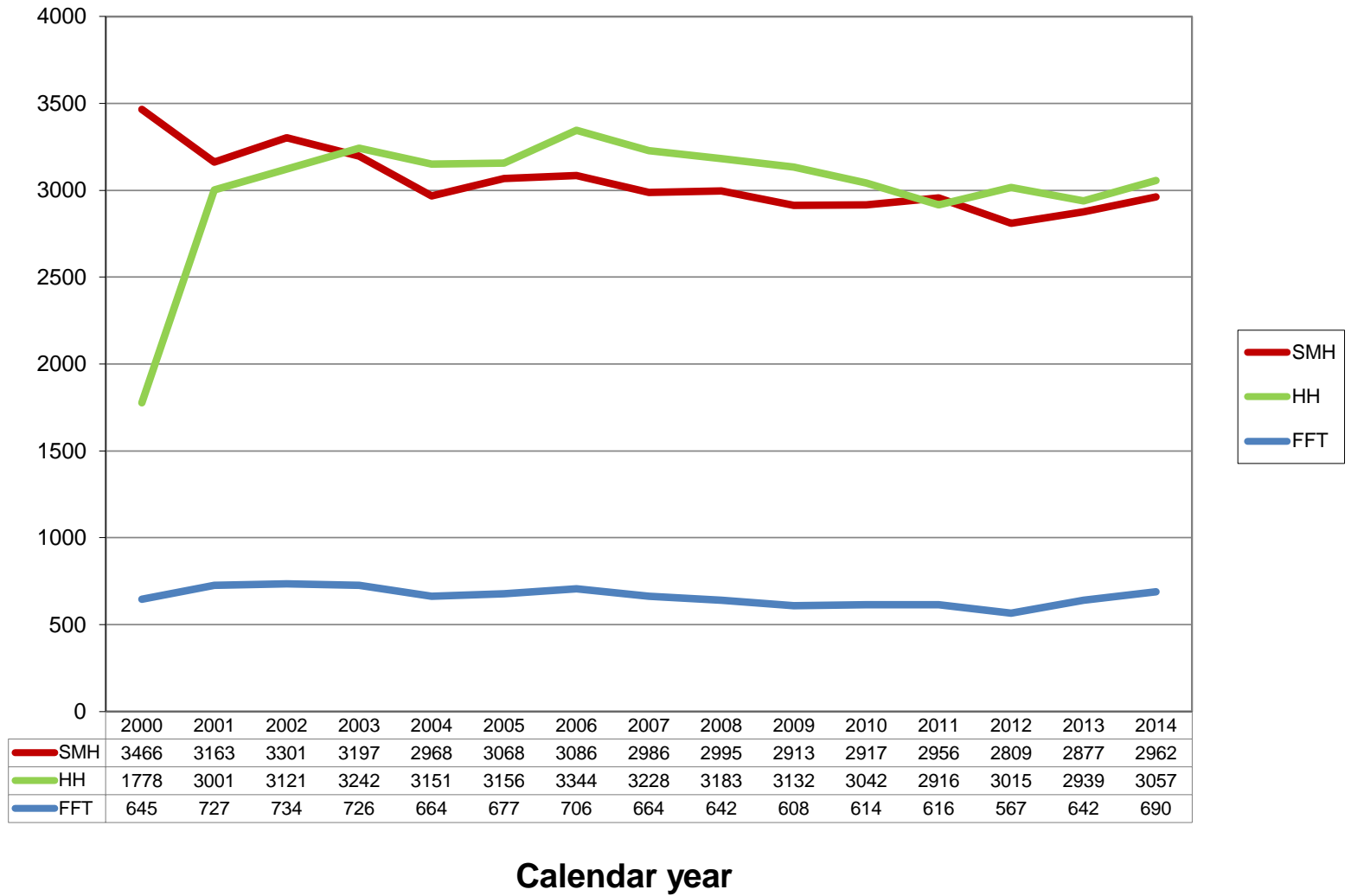
July 1, 2014 - June 30, 2015

Cesarean Section Rates



Calendar year

Number of Deliveries



Note: Deliveries = # of mothers

PERINATAL ULTRASOUND

				TOTALS
PROCEDURES	LATTIMORE	RED CREEK	INHOUSE	
OBSTETRICAL	6056	4258	1025	11339
GYNECOLOGIC	1417	625	145	2187
GENETIC-TAP	35	25	22	82
MATURE L/S-TAP	9	0	3	12
NT	449	417	4	870
BPP	168	130	294	592
CARDIAC	104	64	2	170
CARDIAC DOPPLER	102	63	2	167
DOPPLER (Umb art)	243	252	223	718
DOPPLER (MCA)	164	219	169	552
DOPPLER (GYN)	12	3	4	19
MULTIPLES	138	310	113	561
CVS	49	3	0	52
PUBS	0	0	4	4
U/S GUIDANCE	91	27	89	207
INVASIVE PRO.	0	0	28	28
RH Administration	5	3	0	8
SONOHYST	38	30	0	68
3 D	138	65	2	205
TRANSVAG OB	1857	1236	149	3242
TRANSVAG GYN	1372	556	54	1982
DAILY BILLABLE PROC	12447	8286	2332	23065
DAILY IN/OUT PATIENT	7473	4883	1170	13526
NO SHOW	915	130		1045
CANCELLED	169	137		306
RESCHEDULED	175	52		227
DELIVERED	26	22		48
ON CALL	0	0	194	194

**CLINICAL SUBSPECIALTY
DIVISIONS**

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2014 - June 30, 2015

GENERAL GYNECOLOGY AND OBSTETRICS



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

The Division also includes: Amy Benjamin MD, Sarah Betstadt MD, MPH, Kristen Burhans MD, Jorge Carrillo MD, Constantino Fernandez MD, David Foster MD, MPH, Sheila Geen, CNM, MSN, Amy Harrington MD, Diane Hartmann MD, Fred Howard MD, Jennifer Mariani PA, Jaclyn Morrison MD, Katrina Nicandri MD, Ellen Tourtelot MD and Natalie Whaley MD

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, Lattimore Women's Health, Lattimore Ob/Gyn and Sawgrass Surgical Center. 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 Lattimore UR Medicine Ob/Gyn, Women's Health Practice, and AJHC. The division members provide preceptorships for all the resident continuity clinics at Strong Women's Health Practice.

We are very excited to have recruited three new physicians to our practice this year. Dr. Jackie Morrison has just completed her residence in Ob/Gyn at URMC and comes with a special interest in pediatric and adolescent gynecology. Dr. Kristen Burhans also completed her residence with us and will be specializing in general ob/gyn care as well as running our resident simulation education program. Dr. Natalie Whaley comes back to us from Johns Hopkins where she completed a fellowship in family planning. She will be joining our family planning program and will also concentrate on care of the underserved. We are also thrilled to have completed the renovations of our new space on the second floor of the Lattimore building. The new site will allow us to expand our already robust practice and will allow us to provide patient care in close proximity to the hospital.

DIVISION MEMBERS

Amy Benjamin, 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. As site director for the third year medical student clerkship, she is responsible for the oversight of the education of those students assigned to Strong for their Ob/Gyn clerkship and holds weekly small group teaching sessions.

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. In 2012 she became the Division Chief for General Obstetrics and Gynecology. Her clinical area of interest is the diagnosis and treatment of disorders of the lower genital tract. She has developed a busy regional referral practice for these conditions. Dr. Bonham is actively involved in several research projects relating to vulvar pain, precepts the residents colposcopy clinic and supervises staff surgeries with the residents.

Kristen Burhans, MD, graduated from medical school at the University at Buffalo and completed her residency at the University of Rochester. The division is very happy to have her join us as a faculty member this year. Dr. Burhans is interested in the practice of general obstetrics and gynecology, and sees patients at both our UOG as well as Women's Health Practice offices. She is also very interested in resident and student education. During her residency, Dr. Burhans was involved in developing the simulation program for resident training. She has now taken on the role of director of the simulation program and continues to expand our capabilities in this exciting new method of training future physicians.

Jorge Carrill, MD completed his medical degree at Columbia-Pontificia Universidad Javeriana and completed his residency at Rochester General Hospital. He then completed a fellowship in minimally invasive surgery, specializing in the treatment of chronic pelvic pain, at the University of Rochester before joining the division as a faculty member. His areas of interest include minimally invasive and robotic surgery and the treatment of chronic pelvic pain and endometriosis.

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, Professor Emeritus, 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. He has recently retired from clinical practice, but remains on faculty as Professor Emeritus and continues to be active in research in the field of lower genital tract disorders.

Amy Harrington MD initially came 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 contraception difficult. She is actively involved in precepting the resident clinics and does many of the staff surgeries with the residents. She has recently been promoted to associate residency director for the department and as such develops and maintains the resident education curriculum.

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 has been named to be on the Board of Directors for the Accreditation Council on Graduate Medical Education's (ACGME).. 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 instituted the department's minimally invasive surgery fellowship which remains extremely successful today.

Jaelyn Morrison MD, graduated from medical school at the University at Buffalo and completed her residency at the University of Rochester. We are thrilled to have her join our division as a faculty member this year. Her areas of interest lie in pediatric and adolescent gynecology as well as the practice of general obstetrics and gynecology. Dr. Morrison is also very active in resident and student education and supervises the resident continuity clinics.

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, is chair of the Gyn Quality Assurance Committee has a special interest in patient safety initiatives.

Ellen Tourtelot MD obtained her medical degree and completed her residency at the University of Rochester before joining the faculty at Pennsylvania State University. Her passion for caring for the underserved, as well as her outstanding organizational capacities, has brought her back 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.

Natalie Whaley, MD, MPH is another new addition to our division family. Dr. Whaley completed her medical degree at the University of Washington School of Medicine in 2009 and did her residence in Obstetrics and Gynecology at the University of Rochester. She then spent the next two years at Johns

Hopkins completing a fellowship in family planning and received an MPH degree from the Johns Hopkins Bloomberg School of Public Health. We are very excited to have her join our division where she will be active in our family planning program. Her areas of interest are family planning, contraception and care of the underserved.

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
- Chronic pelvic pain
- Vulvovaginal disorders
- Care of the midlife woman

The Division provides office-based clinical care on the University campus in the Women's Health Practice and the University Obstetrics and Gynecology practice at Lattimore. 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. Harrington is the associate residency director and designs and implements the resident education curriculum. Dr. Betstadt is the site director for the third year clerkship and frequently gives both formal and informal lectures to both students and residents as well as serving as one of the primary clinic preceptors. She and Dr. Harrington have mentored many resident research projects. Dr. Nicandri is a frequent lecturer and clinic preceptor as well as running the M and M conferences and is director of the 4th year clerkship elective. Dr. Tourtelot 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.

It is our belief that the care of patients with chronic pain conditions is best provided in a comprehensive and integrated fashion. To this end, we are working to develop an integrated practice unit for pelvic and gynecologic pain which will include providers specializing in this area as well as allied health professions who treat women with these conditions. We are working toward developing a behavioral health and physical therapy program within our office to provide a comprehensive, team based approach to the care of women with gynecologic pain.

We have recently instituted a program to expand access for long acting reversible contraception to underserved patients in the immediate postpartum period and are actively working with the local insurers to provide coverage for these services. We are working with the department of pediatrics to improve teen education regarding effective contraception and have instituted a same day access policy for teens. We continue to 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 Jennifer Englert, FNP-C, RNFA

PATIENT CARE

Providing optimal care for women with gynecologic cancer has been and is still the main focus of the division. We recently received renewal of gold seal certification by the joint commission, in recognition of the care we provide for patients with endometrial and ovarian cancer. We continue to work closely with the palliative care service at Highland, and now offer a hospice room specially outfitted for end of life care.

Our division continues to be a leading provider of gynecologic oncology services in NYS and has the highest volume of minimally invasive robotic surgery in the state.

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 1200 entrants, and continues to enjoy wide ranging support, with many local institutional and corporate sponsors.

EDUCATIONAL ACTIVITIES

A weekly Tumor Conference continues to be popular with the residents and is attended by staff in radiation oncology and pathology. Blackboard remains an important vehicle for presenting educational material to our residents and medical students.

RESEARCH

Several research projects are ongoing this year. A multidisciplinary project evaluating the role of cell adhesion molecules in a variety of gynecologic malignancies is ongoing. In addition, a clinical review of our experience with robotic surgery for ovarian cancer is ongoing with the participation of several medical students.

FUTURE PLANS

This coming year will mark a transition for the division, with our successful recruitment of Richard Moore, M.D., as the new Director. An experienced clinician and accomplished researcher, Richard will significantly enhance the educational and research activities of our group, and we look forward to him joining us this October.

GYNECOLOGIC ONCOLOGY CLINICAL VOLUME

<u>Clinical Activity</u>	<u>Totals</u>						
<i>Surgical Volume</i>	2009	2010	2011	2012	2013	2014	2015
Partial vulvectomy	56	46	54	60	49	45	36
Cervical conization	20	27	31	31	21	20	26
Hysterectomy (open)	83	78	78	61	51	24	55
Hysterectomy (robotic)	214	284	314	352	378	327	330
Ovarian cancer debulking	122	109	114	95	100	91	42
Radical vulvectomy	27	26	25	31	31	17	20
Radical hysterectomy (open/robotic)	31	29	23	27	36	24	15
Total Procedures	553	599	639	657	666	548	524
<i>Outpatient Visits</i>							
New patients	842	877	898	909	958	838	796
Follow-up visits	2845	2811	2944	3210	3359	3215	3116
Colposcopy	394	369	373	386	345	262	321
Total	4081	4057	4215	4505	4662	4315	4233

MATERNAL-FETAL MEDICINE



Lorelei Thornburg, M.D.
Director of Maternal-Fetal Medicine Division
Director of Maternal-Fetal Medicine Fellowship

The Division of Maternal-Fetal Medicine faculty also includes: Stephan J. Bacak, D.O., M.P.H. (Fellow), Dzhamala Gilmandyar, M.D., J. Christopher Glantz, M.D., M.P.H. (Director, Inpatient Obstetrics and the Regional Perinatal Database), Lisa M. Gray, M.D., Erin Lemcke (Supervisor, OB/GYN Ultrasound), Lauren A. Miller, M.D., M.P.H. (Fellow), Courtney Olson-Chen, M.D. (Fellow), Tulin Ozcan, M.D. (Director of OB/GYN Ultrasound and Special Care Clinic through 9/30/15), Eva K. Pressman, M.D., (Chair of Obstetrics and Gynecology), Ruth Anne Queenan, M.D. (Chief of Obstetrics and Gynecology at Highland Hospital), Neil S. Seligman, M.D. (Director of Reproductive Genetics), David E. Seubert, M.D., J.D. and Paula E. Zozzaro-Smith, D.O. (Faculty through 9/16/15). 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 several transitions within the Division of Maternal Fetal Medicine in 2014-2015. Dr. Lorelei Thornburg became the Interim Division Director of Maternal Fetal Medicine in May 2015. Dr. Dzhamala Gilmandyar joined our faculty in May 2015.

PATIENT CARE

The Maternal-Fetal Medicine Division maintains an active full-service practice through Strong Perinatal Associates. The Strong Perinatal Associates practice based at The Women's Health Pavilion at 500 Red Creek Drive is a referral only practice for complicated pregnancies. Patients referred to us for antepartum and intrapartum obstetric care are seen throughout their pregnancy, delivered by our faculty members, and then return to their regional 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. With over 2500 office visits and over 260 deliveries (up from less than 200 last year), this practice continues to serve as an important referral center for the area. Additionally, the practice provides perinatal consultation services 1/2 day a week for those patients that do not require transfer for delivery, but evaluation and discussion of pregnancy complications or maternal diseases in pregnancy, or planning for future pregnancies. Last year over >200 patients were seen in consultation. Wait times for both the office practice and consultation clinic remain low, with pregnant patients able to be seen within 1 week of referral, and preconception consultations with 2-3 weeks.

Additional high-risk pregnancy services are provided at the Special Care Clinic housed within The Women's Health Pavilion at 125 Lattimore Road. 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 200 deliveries last year and over 1500 obstetrical provider office visits, as well as over 1300 visits with support service (social work, psychiatry, nutrition. In addition, the specialized Diabetes in Pregnancy Clinic housed within the Special Care Clinic continues to provide specialized care for women with diabetes complicating pregnancy with over 600 obstetrical provider visits this last year (up from 500 last year).

Strong Fetal Monitoring continues to flourish with outpatient fetal monitoring offered at Lattimore Road and Red Creek Drive. More than 2300 outpatient non-stress tests were performed in the last year, up from 2200 the prior year.

OB/Gyn ultrasound services are provided at Lattimore Road, Highland Hospital, Rochester General Hospital and our facility at Red Creek Drive. The volume of patients seen for OB/Gyn ultrasound at the URMC locations (Lattimore and Red Creek) remains high and stable, with almost 25,000 studies on almost 14,000 patients performed between July 2014 and June 2015.

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, as well as providing Labor and Delivery coverage and support as needed for the generalist staff 1-2 days/week.

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 again saw nearly 200 patients in consultation.

Starting in August 2006, The University of Rochester also provides Ob/Gyn ultrasound by remote services 5 days per week, weekend mornings, and on-site services 1 days/month at FF Thompson- with over 2200 studies performed last year.

Reproductive Genetics continues to provide genetic counseling to patients throughout the region with over 1500 (up from 1,400 in 2014-5) prenatal and pre-pregnancy patients seen during the past year. With the introduction of noninvasive testing options in pregnancy, these counseling services are more needed than ever. The number of invasive diagnostic continues to be lower than previously with the new availability of non-invasive testing, but remained approximately stable from last year with 100 amniocenteses and over 50 chorionic villus sampling procedures performed. Additionally, Dr. Seligman has developed beginning in 2013 a High-Order Multiples treatment program housed within Reproductive Genetics, with growing numbers of patient's taking advantage of this service regionally and avoiding referral to the next closest centers of New York and Philadelphia. This year a total of 10 consults were completed with 7 patients undergoing care here and 1 referral (compared to 2013-4 with 9 consults, 2 undergoing care locally and 5 outside the region).

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 contributes 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. Radiology, Family Medicine and Anesthesia residents also rotate through the MFM service. 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:

Induction of labor with oral misoprostol vs. IV oxytocin in term premature rupture of membranes. Investigators: J. Christopher Glantz, Courtney Olson-Chen. Funding – MFM Division

Imaging of the placental vascular network in normal versus preeclamptic pregnancies. Investigators: Shawn Murphy, Paula Zozzaro-Smith. Funding – NIH

Weight gain in Multiple Pregnancies. Investigators: Tulin Ozcan, J. Christopher Glantz, Paula Zozzaro-Smith, Stephen Bacak. Funding – MFM Division

Prediction of Lethality by Ultrasound in Fetal Skeletal Dysplasia. Investigator: Tulin Ozcan. Funding – MFM Division

Immunologic responses in Pregnancy. Investigators: Lorelei Thornburg, Lisa Gray, Tim Mossman. Funding - Center for Vaccine Biology and Immunology

Comparison of gabapentin and ondansetron for treating hyperemesis gravidarum. Investigators: Lorelei Thornburg, Thomas Guttuso. Funding - NIH

Postpartum Screening for Diabetes Mellitus in Women with Gestational Diabetes Mellitus. Investigator: Lorelei Thornburg. Funding – MFM Division

Head Circumference to Abdominal Circumference Ratio: Is this an accurate predictor of shoulder dystocia? Investigators: Lorelei Thornburg, Lisa Gray, J. Christopher Glantz. Funding – MFM Division

Maternal exposure and the risk of Gastroschisis. Investigators: Lorelei Thornburg, Stephen Bacak, David Rich. Funding – MFM Division

Gene expression in pregnancies complicated by preeclampsia. Investigator: Eva Pressman. Funding – MFM Division

Early Pregnancy Iron Deficiency. Investigators: Eva Pressman, Philip Katzman. Funding – MFM Division

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

The Infant Development and the Environmental Study (TIDES)

Investigators: Barrett, E; 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

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

Cervical length in women with a prior preterm birth: Does progesterone change the incidence of short cervix? Investigators: Neil Seligman, Kristen Klosterman. Funding: Departmental Funding.

Electronically-Mediated Weight Interventions for Pregnant and Postpartum Women (eMoms). Investigators: Diana Fernandez, Christine Olson, Lorelei Thornburg, Eva Pressman. Funding National Heart, Lung, and Blood Institute NIH

Peridontal disease in pregnancy. Dr. Thornburg, Dr. Olson-Chen, Dr. Timothy Dye. Funding- MFM Division

Early onset fetal growth restrictions. Investigators: Dr. Seligman, Dr. Thornburg. Funding- MFM Division Funding- MFM Division

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

Glance LG, Dick AW, Glantz JC, Wissler RN, Qian F, Marroquin BM, Mukamel DB, Kellermann AL. "Rates of major obstetrical complications vary almost fivefold among US hospitals." *Health affairs*. 2014 Aug; 33(8): 1330-6.

Abril D, Adair CD, Browne P, Combs CA, Galyean A, Garite TJ, How H, Iriye BK, Kominiarek M, Lu G, Luthy D, Maurel K, Miller H, Nageotte M, Ozcan T, Porto M, Ramirez M, Sawai S, Sorokin Y. "Removal versus retention of cerclage in preterm premature rupture of membranes: a randomized controlled trial." *American journal of obstetrics and gynecology*. 2014 Oct; 211(4): 399.e1-7. Epub 2014 Apr 12.

Suhag A; Seligman N; Giraldo-Isaza M; Berghella V. "Pre-pregnancy body mass index (BMI) and cerclage success." *The journal of maternal-fetal & neonatal medicine*. 2015.

Hackney DN, Olson-Chen C, Thornburg LL. "Does increased peripheral C-reactive protein predate the occurrence of a short cervical length?". *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*. 2014 Jul; 27(11): 1138-41. Epub 2013 Oct 24.

Bromley B, Fuchs K, Spitz J, Thornburg LL. "Do clinical practitioners seeking credentialing for nuchal translucency measurement demonstrate compliance with biosafety recommendations?"

Experience of the Nuchal Translucency Quality Review Program." *Journal of ultrasound in medicine: official journal of the American Institute of Ultrasound in Medicine*. 2014 Jul; 33(7): 1209-14.

Guttuso T, Shaman M, Thornburg LL. "Potential maternal symptomatic benefit of gabapentin and review of its safety in pregnancy." *European journal of obstetrics, gynecology, and reproductive biology*. 2014 Oct; 181: 280-3. Epub 2014 Aug 17.

Cuckle H; Platt LD; Thornburg LL; Bromley B; Fuchs K; Abuhamad A; Benacerraf B; Copel JA; Depp R; D'Alton M; Goldberg J; Okeeffe D; Spitz J; Toland G; Wapner R; . "Nuchal Translucency Quality Review (NTQR) program: first one and half million results." *Ultrasound in obstetrics & gynecology: the official journal of the International Society of Ultrasound in Obstetrics and Gynecology*. 2015;45(2):199-204.

Zozzaro-Smith, PE; Fountaine, E; Thornburg, L. "Enlargement of hepatic hemangioma in successive pregnancies". *Case Reports in Perinatal Medicine*. 2015.

Swan SH; Sathyanarayana S; Barrett ES; Janssen S; Liu F; Nguyen RH; Redmon JB; "First trimester phthalate exposure and anogenital distance in newborns." *Human reproduction*. 2015;30(4):963-72.

Whisner CM; Young BE; Pressman EK; Queenan RA; Cooper EM; O'Brien KO. "Maternal diet but not gestational weight gain predicts central adiposity accretion in utero among pregnant adolescents." *International journal of obesity: journal of the International Association for the Study of Obesity*. 2015;39(4):565-70.

Snyder Y; Donlin-Smith C; Snyder E; Pressman E; Ciafaloni E. "The course and outcome of pregnancy in women with nondystrophic myotonias." *Muscle & nerve*. 2015; Epub 2015 Apr 21.

Finkelstein JL; Pressman EK; Cooper EM; Kent TR; Bar HY; O'Brien KO. "Vitamin D Status Affects Serum Metabolomic Profiles in Pregnant Adolescents." *Reproductive sciences*. 2015;22(6):685-95.

Lumish RA; Young SL; Lee S; Cooper E; Pressman E; Guillet R; O'Brien KO. "Gestational iron deficiency is associated with pica behaviors in adolescents." *The Journal of nutrition*. 2014;144(10):1533-9.

Lee S; Guillet R; Cooper EM; Westerman M; Orlando M; Pressman E; O'Brien KO. "Maternal inflammation at delivery affects assessment of maternal iron status." *The Journal of nutrition*. 2014;144(10):1524-32.

Other Publications:

Bacak S, Porter TF. Fetal Anemia. Patient Handout from the Society for Maternal-Fetal Medicine. *Contemporary OB/GYN*. April 2015.

Abstracts Presented:

Bacak SJ, Glantz JC, Smith PE, Thornburg LL. "Association Between Insurance and Adequacy of Prenatal Care [257]." *Obstetrics and gynecology*. 2015 May; 125 Suppl 1: 83S.

Bacak SJ, Ozcan T, Zozzaro-Smith P, Seligman N, Glantz CJ. Impact of weight gain in triplet pregnancies on perinatal outcomes. *The Society for Maternal-Fetal Medicine Pregnancy Meeting*, 2015. (poster)

Bacak SJ, Ozcan T, Zozzaro-Smith P, Seligman N, Glantz CJ. Impact of weight gain in triplet pregnancies on perinatal outcomes. 29th Annual NYSPA Perinatal Conference, 2015. (poster)

Zozzaro-Smith P, Bacak SJ, Glantz JC, Thornburg LL. Association between insurance and adequacy of prenatal care. 2015 Annual Clinical Meeting of the American College of Obstetricians and Gynecology, 2015. (poster)

Nwabuobi C, Bacak SJ, Glantz JC, Li D, Dye T, Ozcan T. Incidence of gestational diabetes mellitus in twin pregnancies and association with perinatal outcomes. American Diabetes Association 75th Scientific Session, 2015. (abstract publication)

Thornburg LL, Gray LM, Knight KM, Sato H, Pressman EK. Postpartum testing for diabetes in women with gestational diabetes mellitus. Presented at the Society of Reproductive Investigation 2015 Annual Scientific Meeting. San Francisco, CA. | March 2015 (poster)

Gray LG, Seligman N, Ozcan ST, Berghella V. Transvaginal Cervical Length Ultrasound: A cost analysis of screening and treatment strategies in high-risk women. Presented at the Society of Maternal-Fetal Medicine 2015 Annual Meeting. San Diego, CA. | February 2015 (poster)

FUTURE PLANS

Many exciting changes are planned for the upcoming year. Dr. Lisa Gray will be joining the faculty in August 2015. Dr. Paula Zozzaro-Smith will be leaving in August 2015 to join the faculty at Scott and White Memorial Hospital and Dr. Tulin Ozcan will be leaving in September 2015 to join the faculty at the Children's Hospital of Philadelphia. Recruitment for a Maternal Fetal Medicine faculty member, as well as a Geneticist is ongoing. As a division, we continue to support our faculty, fellows and staff in the provision of excellent patient care, advancement of our subspecialty and education of our future providers.

MIDWIFERY DIVISION AND ROCHESTER ADOLESCENT MATERNITY PROGRAM



Michele Burtner, CNM, MS
Director of Midwifery Division
Senior Associate

Division Members: Michele Burtner, CNM, Jennifer Banda, CNM, Elizabeth Cooper, CNM, EdD, FACNM, Tammy Farnham, CNM, Pamela Jurich-Wright, CNM, Heather Lane, CNM, Caitlin LeGros, CNM, Jacqueline Nasso, CNM, Melinda Pisaro, CNM, Rebecca Skovgaard, CNM, Jenney Stringer, CNM, Helene Thompson-Scott, CNM, and Jo Wrona, CNM.

Clerical Staff: Barbara Williams, Front Office Coordinator (Faculty Practice); Bridget Hyde, Practice Manager (Highland Women's Health @ Culver Rd.), Clarissa Breedlove, LaKeisha Clark, Cassandra Smith, Megan Scott, Felicia McAllister, Ingrid Brumfield. **Nursing Staff:** Margaret Militello, RN, Joanne Doran-Hills RN, Jean Farruggia LPN, Edna Brinson,

Sue Demming, LPN, Chris Nice, RN, Cindy Schutt RN, Kelly Shannon, RN. **Social Work Staff:** Audry Gropp, SW, Karen Rabish, SW, Dana Bowen, financial counselor. **RAMP Staff:** Betsy Crumb, dietician.

DEPARTURES AND ARRIVALS

Caitlin LeGros, CNM joined the Division in October 2014. She came from practicing midwifery in Maryland. Her husband is an internal medicine resident at Strong. They welcomed their second child in April. **Jennifer Banda, CNM** planned to relocate back to Seattle, WA in July 2015 due to family needs.

AMBULATORY CARE

Highland Hospital continues to run operations of the Culver Road site where the Midwifery division sees patients at 909 Culver Road co-located alongside the Community OB/GYN practice. Staff at Culver Road is shared between the two practices of the Midwifery Group and COB.

Midwifery patients were also seen at our Henrietta office on Red Creek Drive and in shared space at 125 Lattimore Road, Suite 150 during this fiscal year. The Midwifery Faculty practice will relocate in September 2015 to a new space in Suite 200 at 125 Lattimore Road to facilitate the growing volume which will enable the midwives to care for patients 5 days/week. The Midwife group will continue to see patients at the Highland Women's Health site and RAMP at 909 Culver Road 5 days a week as well.

The Prenatal Care at School Program (group care) continued in 2014-2015. Jacquie Nasso, CNM was the primary provider and liaison with the City School district. Continuation of this program will continue to be explored.

The Midwifery Division continues to be a part of the community-wide initiative to provide Centering (group prenatal care) to OB patients, which is being supported initially by a Perinatal Network Grant. Group care has been a long standing method of prenatal care (started by Beth Cooper) in the RAMP program, and has been successfully expanded to routine patients with this initiative.

This year the Midwifery practice completed over 11,000 outpatient visits. We continue to draw patients from the Southern Tier, and from all over the Rochester area, who are looking to attempt trial of labor after cesarean. We have also seen an increase in the number of patients who are seeking out midwifery care during trial of labor after two cesareans.

INPATIENT CARE AND CLINICAL OUTCOMES

The practice completed 20 years of continuous care to RAMP and Midwifery patients in 2012. The data for birth outcomes over a 23 year period is presented below. In the upcoming fiscal year, we will have reached our practice's 10,000th birth!

	<i>Spontaneous Vaginal</i>	<i>Assisted Vaginal</i>	<i>All C/S</i>	<i>TOTAL</i>	<i>%C/S</i>
92-93	110	3	14	127	12.4
93-94	145	9	21	175	12
94-95	168	13	16	197	8.1
95-96	219	20	23	262	8.8
96-97	221	11	27	259	10.4
97-98	234	20	24	278	10.3
98-99	286	15	29	330	8.8
99-00	310	16	28	354	7.9
00-01	346	11	30	387	7.8
01-02	382	4	38	424	9
02-03	421	10	59	490	12
03-04	442	11	60	513	11.7
04-05	469	19	62	550	11.3
05-06	432	24	64	520	12.3
06-07	506	26	93	625	16
07-08	484	36	97	617	17
08-09	413	22	91	526	14
09-10	439	24	80	543	17
10-11	428	19	82	529	15
11-12	366	20	84	470	17.8
12-13	428	14	62	504	12
13-14	491	24	88	603	15
14-15	533	8	82	623	13.2
TOTAL	8273	379	1254	9906	12.2

EDUCATION

The midwives continue to cover during resident teaching at Strong Memorial Hospital once a week, as well as for CREOG exams and for resident's graduation activities. All midwives provide clinical teaching in labor and delivery of 3rd year medical students, Ob-Gyn, ED and FM residents. In 2013-2014, the interns rotated on the midwifery service for one week, both in the office and in the hospital.

Unfortunately, the intern schedules did not allow for this in 2014-2015. Midwives are lecturing to the Ob/Gyn residents this year regarding physiologic birth.

Pediatric and Med-peds residents doing a 2 week adolescent rotation frequently spend an afternoon in RAMP. Medical students doing their Primary Care Clerkship also rotate through the office. In addition, medical students will be involved in the Young Mother's program as part of their 4th year Community Health Improvement Course.

Midwifery students continue to seek our practice for clinical rotation in their distance learning Midwifery programs. We currently have Megan Hogan-Roy with us as she completes her midwife education at Philadelphia University. Additional midwifery students are already committed to for calendar years 2015-16 and 2016-17.

The midwives serve as preceptors for Family Nurse Practitioner students from the University of Rochester and St John Fisher for outpatient care rotations. Undergraduate nursing students from Brockport occasionally spend time in the office as well.

RESEARCH AND PRESENTATIONS

The Midwifery practice continues to be a clinical research site for studies Dr. Kimberly O'Brien of Cornell University Department of Nutrition. The midwifery office provides office space for the study coordinators and the midwives participate in recruitment and collection of blood and placentas at delivery.

Studies actively recruiting subjects and collected blood and placenta samples during the time covered by this report were:

1. Absorption of Iron from Heme and Non-Heme Sources and Mechanisms of Fetal Iron Transfer (RSRB 18180) PI: Eva Pressman
2. Vitamin D and Infection in Pregnancy. Co-PI: Eva Pressman, Beth Cooper, Ruth Anne Queenan, & Kimberly O'Brien
3. Attitudes Towards Biorepository Participation. Co-PI: Richard Miller, Timothy Dye and Margaret Demment.

Publications continue to be generated from the extensive study data collected from midwifery and RAMP clients.

HOSPITAL, MEDICAL CENTER, AND COMMUNITY COMMITTEES

Michele Burtner

Division Director

Scheduling Coordinator for Division

HH Breastfeeding Committee

SMH/HH Credentialing and Privileging Committee

Elizabeth Cooper

Chair, State Board of Midwifery

Highland Medical Executive Committee

SMH/HH Credentialing and Privileging Committee

Pam Jurich-Wright	Colposcopy Perinatal Review Committee
Heather Lane	Education/ Student Coordinator for Midwifery Division HH FMC Clinical Quality Committee
Jacqueline Nasso	Coordinator, Young Mother's Prenatal Care Program Board of Directors, Monroe County March of Dimes Center for Community Health Faculty Group and Worsksite Wellness Committee Metro Council for Teen Potential (MCTP) eRecord SME and Super User
Rebecca Skovgaard	Division Statistician Perifax Editorial Board
Jenney Stringer	Centering Coordinator RAMP Co-Coordinator Mini Grant recipient for RAMP (2015)
Helene Thompson-Scott	Division Colposcopy Coordinator RAMP Co-Coordinator Founding Board member for Institute for Family Centered Childbirth HH L&D renovation committee Community participant in restructuring of East High in UR program
Caitlin LeGros	Presenter at ACNM Convention in 2015 eRecord Midwifery practice representative

REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY



Kathleen M. Hoeger, M.D., M.P.H.
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; Wendy Vitek, MD (Director Fertility Preservation), Bala Bhagavath MD (Director Minimally Invasive Surgical Fellowship, Director Donor Oocyte and Director of URMF Fibroid Center)

OVERALL

In 2014-2015, the Strong Fertility Center continued to expand our clinical offerings and focus on the clinical service. The division saw a total of over 700 new patients. Our ultrasound program performed close to 7,000 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 continues to offer a team approach to the management of PCOS with nutrition and behavioral health support as complimentary to the medical management. The integrated Fibroid Center together with Imaging Sciences is actively growing with 67 new consultations and 64 surgeries/intervention procedures. We have active research programs continuing in PCOS and added research in the environment and reproduction, as well as fertility preservation and uterine myomas. 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 have established regular outreach activities to the local OB/GYN and primary care practices and look forward to continued growth in both the clinical and research arms of the division as we continue to expand our services in the community.

PATIENT CARE

Our IVF program continues to improve its clinical offerings. We renewed our grant for participation in the New York State Infertility Demonstration Project and added lower cost package pricing to our IVF program to make this more affordable. We continue to look for options that improve access and affordability of IVF for couples who need our services. Our focus for 2014 and beyond has been to increase the implantation rate so that we can provide high pregnancy rates **with only a single embryo for transfer**. Figure 1 shows the implantation rate from a **single embryo** for 2014. We have made great strides in reducing the multiple pregnancy rate from IVF and hope to see a continued decline in this key measure. Additionally we have expanded the frozen embryo transfer(FET) number as there is evidence that pregnancies resulting from FET may be overall lower risk for perinatal complications. The success rates of this program has risen dramatically in the past year.

As IVF success is related to the rates of aneuploidy in the embryo, we are expanding our preimplantation genetic screening to women who may be at risk for high rates of aneuploidy. Additionally we continue to offer preimplantation genetic diagnosis and screening for couples with a single gene defects. We anticipate a new working relationship with Genesis Genetics to offer lower cost screening. We continue our affiliation with My Egg Bank in Atlanta, the largest frozen oocyte bank in the US and are looking at other donor oocyte banks for diversity of offering. We also re-expanded our fresh oocyte donation program under the directorship of Dr. Bhagavath. We now offer shared donors and frozen donor oocyte to lower the costs and expand outreach for our donor program. In addition to our laboratory director, our embryology team includes, Amonjot Grewal and Zahra Ridgeway and we are looking forward to welcoming a laboratory supervisor to expand our clinical service offerings. We continue to offer our program in fertility preservation offering counseling and IVF therapies for young reproductive aged patients facing cancer. Our outreach efforts allow us to connect with all the local cancer centers to allow information on fertility preservation to be included in patients initial consultations for cancer therapy. Our preservation program, CARE (Childbearing After REcovery) after cancer, successfully held our sixth fundraiser in March. The party and silent auction benefit raised more than \$15,000 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, letrozole and those for gonadotropins are included in Tables 1-4. Multiple births remain a concern with treatment and a focus for our practice to reduce to as low as possible a rate.

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. Dr. Bhagavath is also active in the national arena for reproductive surgery. Nationally he is involved in the American Association of Gynecologic Laparoscopy (AAGL) leadership and is the editor of the Society for Reproductive Surgeons newsletter.

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 behavioral health specialist experienced in treating patients with metabolic disease. The program operates out of our Red Creek site. Dr. Hoeger was selected to work with the American Society of Reproductive Medicine and the American Society for Metabolic and Bariatric Surgery to compose a position paper on the impact of obesity and its treatment in reproduction

The URM Fibroid Center run by Drs. Bhagavath and Lee (of Imaging Sciences) the first of its kind in the area, offers the latest surgical and radiological treatments for uterine fibroids. As director of the Minimally Invasive Surgical Fellowship, Dr. Bhagavath also directs the Center of Excellence in Minimally Invasive Surgery (COEMIG) at UR attaining this certification for the Department.

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. This year we will be adding a 2nd 2 week rotation. 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 oversight 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. He has also served nationally on the PROLOG task force and a contributor to the Reproductive Endocrinology PROLOG.

Dr. Bhagavath is the director of the Minimally Invasive Surgical Fellowship and has modified and expanded the curriculum and the MIG fellow attends the biweekly Fibroid clinics. Dr. Bhagavath helped to organize the surgical simulation course for the residents along with faculty in GYN specialties and continues to develop the surgical curriculum.

Dr. Vitek is the coordinator of the Men's and Women's Health block for the second year medical student course "Disease Process and Therapeutics". She is working closely with the faculty to enhance the curriculum moving forward. She has taken on additional work improving the basic science curriculum during the 3rd year clerkship. The division supports a ½ day session during this time, focused 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. She has a collaboration with Cornell focused on the correlation between ultrasound findings and metabolic status in PCOS. Dr. Hoeger also continues her work as a member of the National Guidelines Committee on PCOS and was instrumental in the development of these guidelines that were published in 2014. She will lead the affiliation with the NIH funded Reproductive Medicine Network as the site Principle Investigator. She has completed pilot trial with the Division of Endocrinology in the Department of Medicine on the impact of doxycycline in PCOS that will be presented at the annual ASRM meeting.

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.

Drs. Vitek, Bhagavath and Srivastava have active development of research programs and have all received MaeStone Goode foundation funding to assist in these efforts. Dr. Vitek is exploring the impact of tissue thickness on the viability of ovarian tissue in cryopreservation and is continuing her research as an NIH funded Clinical Research/Reproductive Scientist Training (CREST) scholar. Dr. Srivastava is exploring the impact of environmental exposures on granulosa cells. Dr. Bhagavath is collaborating with Dr. Hammes in medical endocrinology on a mouse model of uterine fibroids. He is also the principal investigator on a Hologic study on menorrhagia.

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

NATIONAL/INTERNATIONAL PRESENTATIONS BY REI FACULTY:

Dr. Hoeger

1. ASRM Annual Meeting Interactive Symposium “Patient Dilemmas in PCOS” October 2014 Honolulu, HI
2. Androgen Excess PCOS Society Annual Meeting, “Weight management and Lifestyle Modification in PCOS” October 2014 Kauai, HI
3. Endocrine Society Annual Meeting, Symposium “Putting the Ovary to Rest: Benefits and Risks of OCs in Adolescents with PCOS” March 2015 San Diego CA
4. Postgraduate course faculty, Frontiers in Reproductive Endocrinology. “Hirsutism and Polycystic Ovary” March 2015, Arlington, VA
5. National LAM symposium, Patient seminar “Fertility when Estrogen is not an ally”, panel discussion “Hormones and LAM” March 2015 Chicago, IL
6. Grand Rounds, St Joseph’s Hospital. “Guidelines for the diagnosis and management of PCOS” November 2014 Syracuse, NY
7. Grand Rounds, University of Rochester Department of Obstetrics and Gynecology. “National Guidelines for the diagnosis and management of PCOS” January 2015 Rochester, NY

Dr. Queenan

1. Post Graduate Course Chair, ASRM Annual Meeting. “Coding for Reproductive Endocrinology Practices. Lectures: “Fraud and Abuse.” “Coding for ART Laboratories”; “Evaluation and Management Services.” “Panel of Experts: Q + A.”

Dr. Lewis

1. National Institute of General Medical Sciences- Interventions Progress Report Meeting- LaGuardia J, Lewis V- Psychological Need Satisfaction in Early Career Underrepresented Minority Academics: Implications for Job Satisfaction, Burnout, and Personal Well-being - 8/2014
2. National Human Genome Research Institute’s annual T32 and DAP program directors meeting lecture and panel member: Approaches to Mentor Training. Broad Institute at Harvard and Massachusetts Institute of Technology; 10/014
3. Association of American Medical Colleges annual national meeting-poster presentation: A randomized controlled trial of mentoring interventions and underrepresented groups of early career academics; 11/2014

Dr. Bhagavath

1. Speaker on "How to Detect, Characterize and Treat Uterine Fibroids". Society for Reproductive Surgeons Symposium, ASRM 2014 Annual Meeting, Honolulu, Hawaii - 10/20/2014
2. Roundtable Discussion “Fibroid Morcellation and Cancer Risk – Must We Now Change Practice?” Society for Reproductive Surgeons Symposium, ASRM 2014 Annual Meeting, Honolulu, Hawaii - 10/20/2014
3. Speaker on Multimedia Presentation Skills, Faculty Development Workshop, University of Rochester Medical Center - 9/9/2014

Dr. Vitek

1. Urology grand rounds, Fertility preservation: expanding our understanding of reproductive physiology, University of Rochester Medical Center - 2014
2. Pediatric Grand Rounds, Fertility Preservation: Hope for the future. Women and Children's Hospital of Buffalo - 2014
3. Ob/gyn grand rounds, Oocyte Cryopreservation: Hope for the future, University of Rochester Medical Center – 2014
4. Genesee Valley Oncology Nursing Society conference: Fertility Preservation: Hope for the future. Colgate Rochester Crozier Divinity School, Rochester, NY - 2015
5. Hematology/oncology conference, Fertility Preservation: Hope for the future. Rochester General Hospital – 2015
6. National Kidney Foundation annual meeting. Fertility preservation for women with chronic renal disease. Dallas, Texas – 2015
7. Uyenishi J, Vitek W, Queenan J, Bhagavath B, Hoeger K. Predictive value of serum anti-mullerian hormone in obese and non-obese women with polycystic ovary syndrome receiving oral ovulation induction agents. Poster presentation, Annual Meeting, American Society for Reproductive Medicine, Honolulu, HI

PUBLICATIONS

Dr. Hoeger

1. Alur S, Wang H, **Hoeger K**, Swan SH, Sathyanarayana S, Redmon BJ, Nguyen R, Barrett ES. Urinary phthalate metabolite concentrations in relation to history of infertility and use of assisted reproductive technology (ART), *Fertil Steril in press* 2015.
2. Vitek W, Alur S, **Hoeger KM**. Off-label drug use in the treatment of polycystic ovary syndrome. *Fertil Steril*. 2015 Mar;103(3):605-11. doi: 10.1016/j.fertnstert.2015.01.019. Review. PubMed PMID: 25726702.
3. Wunderle K, **Hoeger KM**, Wasserman E, Bazarian JJ. Menstrual phase as predictor of outcome after mild traumatic brain injury in women. *J Head Trauma Rehabil*. 2014 Sep-Oct;29(5):E1-8. doi: 10.1097/HTR. PubMed PMID: 24220566.
4. Bhagavath B, Vitek W, Queenan J, **Hoeger K**. Metformin and other insulin sensitizers in polycystic ovary syndrome. *Semin Reprod Med*. 2014 Jul;32(4):323-30. doi: 10.1055/s-0034-1375186. Epub 2014 Jun 11. Review. PubMed PMID: 24919033.

Dr. Queenan

1. Bhagavath B, Vitek W, Queenan J, Hoeger K: Metformin and Other Insulin Sensitizers in Polycystic Ovary Syndrome. *Seminars in Reproductive Medicine*, 32(04): 323-30, 2014

Dr. Lewis

1. Martina CA, Mutrie A, Ward D, Lewis V. "A sustainable course in research mentoring." *Clinical and Translational Science*. 2014 Oct; 7(5): 413-9. Epub 2014 May 29.

Dr. Bhagavath

1. Bhagavath B, Hoeger K, Queenan J, Vitek W. "Metformin and other insulin sensitizers in polycystic ovary syndrome." *Seminars in reproductive medicine*. 2014 Jul; 32(4): 323-30. Epub 2014 Jun 11.
2. Bhagavath B, Carr BR, Ha K, Kim HG, Layman LC, Looney S, McDonough PG, Rehman K, Shen Y, Ullmann R. "Familial 46,XY sex reversal without campomelic dysplasia caused by a deletion upstream of the SOX9 gene." *Molecular and cellular endocrinology*. 2014 Aug 5; 393(1-2): 1-7. Epub 2014 Jun 4.

Dr. Vitek

1. Bhagavath B, Hoeger K, Queenan J, Vitek W. "Metformin and other insulin sensitizers in polycystic ovary syndrome." *Seminars in reproductive medicine*. 2014 Jul; 32(4): 323-30. Epub 2014 Jun 11.
2. Fung C, Han Y, Hoeger K, Messing S, Shayne M, Vitek WS. "Gonadotropin-releasing hormone agonists for the preservation of ovarian function among women with breast cancer who did not use tamoxifen after chemotherapy: a systematic review and meta-analysis." *Fertility and sterility*. 2014 Sep; 102(3): 808-815.e1. Epub 2014 Jul 17.
3. Alur S, Hoeger KM, Vitek W. "Off-label drug use in the treatment of polycystic ovary syndrome." *Fertility and sterility*. 2015 Mar; 103(3): 605-11.

FUTURE PLANS

We are anticipating continued growth in our clinical offerings this year while we expand our efforts on continued IVF growth. We are looking forward to outreach into Syracuse where we will be partnering with Associates for Women's Health, a large private practice in Syracuse. Drs. Vitek and Hoeger will be seeing patients there starting in November. Dr. Bhagavath will continue to grow and develop the Fibroid Center. Dr. Srivastava has established a new Andrology Laboratory in the Department of Pathology and acting as its off-site laboratory Director. We have incorporated the ASRM clinical modules to improve resident knowledge base in REI and have extended exposure with the residents during their second year. Our research program will expand as we start recruitment with the Reproductive Medicine Network as an affiliate site to participate in large clinical trials in fertility treatments.

Figure 1. Ongoing pregnancies from non-donor IVF transfer cycles, SFC 2014

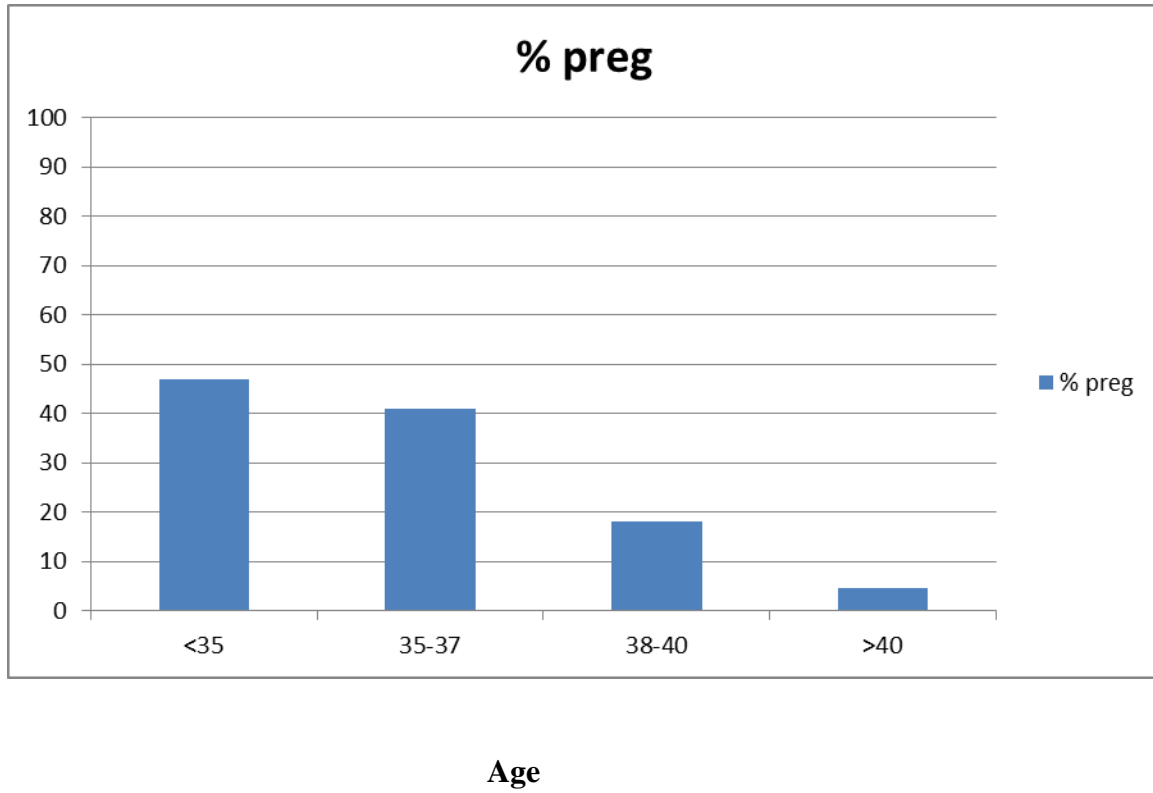


Figure 2. Chances that a SINGLE embryo will implant by age, SFC 2014

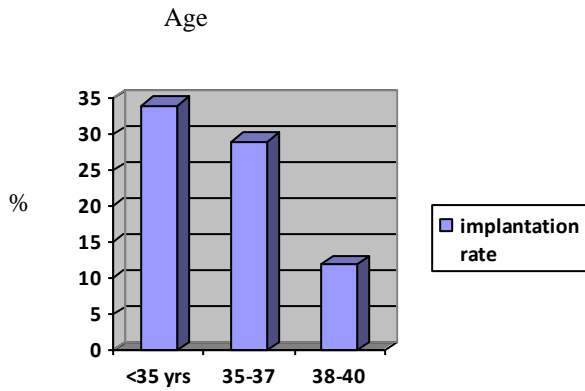


Figure 3. Ongoing pregnancies and live birth rates from frozen embryos (nondonor), SFC 2014

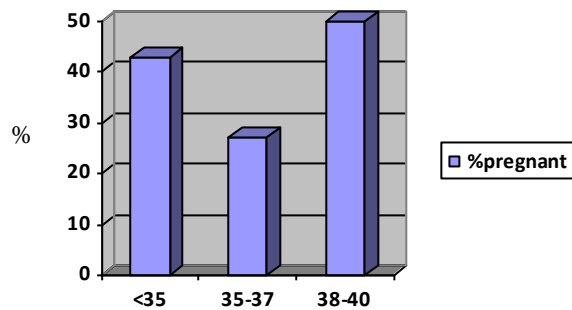


Table 1. Non IVF treatment cycles (with or without IUI) 2014

	Natural Cycle	Clomiphene	Letrozole	Gonadotropin	FSH with Antagonist
Total cycles	111	392	250	279	10
Ongoing Pregnancies	11	49	32	49	1
% ongoing	17.1%	12.5%	12.8%	17.5%	10%

Table 2: Donor Sperm IUI 2014

	Natural	Clomiphene	Letrozole	Gonadotropins
Total cycles	54	72	25	24
Ongoing pregnancies	10	9	4	4
Percent viable pregnancy	18.5%	12.5%	16%	16.6%

Table 3: Age and Fertility non IVF treatment 2014

	<40 yrs				>40 yrs			
	Natural	CC	Letrozole	FSH	Natural	CC	Letrozole	FSH
Number of cycles	157	394	240	259	8	384	35	54
Number of pregnancies	29	55	34	51	0	50	2	3
Percent viable pregnancy	18.5%	13.9%	14.2%	19.7%	0	13.0%	5.7%	5.5%

Table 4. % Multiple pregnancy per viable pregnancy with ovulation induction 2014

	CC	Letrozole	Gonadotropins
Twins	7.9%	4.4%	18.5%
Triplets	0	0	3.7%
Quadruplets	0	0	0

UROGYNECOLOGY AND RECONSTRUCTIVE PELVIC SURGERY



Gunhilde Buchsbaum, M.D., M.B.A.

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: Paula Doyle, M.D. (Assistant Professor), Erin Duecy, M.D. (Associate Professor), Lioudmila Lipetskaia, M.D. (Assistant Professor), Pamela Wigent, N.P. and Amy Collins, M.D. (2nd year fellow in Female Pelvic Medicine and Reconstructive Surgery)

INTRODUCTION

The division of Urogynecology and Reconstructive Pelvic Surgery is now in its 10th year. This is the report for the 2014-2015 academic year.

CLINICAL

In October 2014 Dr. Paula Doyle joined our faculty following completion of her fellowship training in Female Pelvic Medicine and Reconstructive Surgery at URMC. This brings the number of faculty in the division of Urogynecology and Reconstructive Pelvic Surgery to four and allows seeing patients with pelvic floor disorders within two weeks for an initial visit. It also allowed the division to increase the number of new patients seen by 22%. The division has also increased surgical volume at Highland Hospital. Dr. Lipetskaia conducts a bi-monthly outpatient Urogynecology clinic sessions at Women's Health Practice.

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.

Resident surgical experience in pelvic reconstructive and continence procedures occurs during the Inpatient Gynecology rotation at Strong Memorial Hospital and at Highland Hospital. Residents at all levels participate in the surgical care of our patients. Members of the division of Urogynecology participate 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 office as part of an elective in Obstetrics and Gynecology. Residents on the Women's Health track in Internal Medicine and fellows in Geriatric Medicine also spend part of their elective time in the Urogynecology office. An elective rotation in Urogynecology is offered as part of the curriculum for Urology residents.

All of the members of our 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 medical students. Members of our division participate in the 3rd year student core rotation lecture series and host 3rd and 4th year students with an interest in OB/GYN in faculty ambulatory clinics.

Dr. Doyle, Dr. Lipetskaia and Dr. Collins participated as faculty in the Cadaveric Pelvic Anatomy Lab. This course is taught to 3rd year medical students as a basic science component towards completion of the Gynecology and Obstetrics rotation. Dr. Doyle and Dr. Lipetskaia also proctored on resident simulation days, teaching repair of 4th degree perineal defects and TVT techniques.

Dr. Duecy served as co-chair for the Residents as Teachers course attended by all URMC interns. She also participated as instructor for a series of lectures as part of the Minimally Invasive Gynecology Curriculum for Nursing at URMC.

Additionally, all members of the division of Urogynecology have been presenting at various regional CME courses and grand rounds on topics such as evaluation of urinary incontinence, treatment for refractory overactive bladder, pelvic floor disorders following irradiation, incontinence in the geriatric population, fistula treatment in Africa and the business of medicine.

RESEARCH

Ongoing and recently completed research projects:

Buchsbaum (PI), Doyle PJ, Collins AC: Variability of anterior vaginal wall and total vaginal length (completed, manuscript in progress)

Buchsbaum (PI), Collins AC: Patient Flow in a University-Based Urogynecology Practice (completed, manuscript in progress)

Buchsbaum (PI), Doyle PJ: Cost analysis of DaVinci assisted sacral colpopexy versus and open 5cm sacral colpopexy. (completed, manuscript in progress)

Collins (PI), Doyle PJ, Duecy E, Lipetskaia L, Buchsbaum GM. Anxiety and Surgical Outcomes. (Thesis project, ongoing)

Doyle PJ (PI), Woods R. Prevention of Acute Radiation Cystitis in a Mouse Model (completed, manuscript in progress)

Doyle PD (PI), Thomas S, Buchsbaum GM. Barriers to Urogynecologic Care in a Gynecologic Oncology Patient population (completed, manuscript in progress)

Doyle PJ (PI), Reeder J, Woods R. Visualization of Pelvic Anatomy with a Fluorescent uterine/vaginal manipulator during Robotic Surgery (in progress, funded by UR Ventures)

Duecy E (PI), Buchsbaum GM. Colpocleisis Study (completed, manuscript in progress)

Duecy E (PI), Previte C, Harrington A. Comparison of “Holistic vs. Traditional” criteria for screening medical student applications to OB-GYN residency. (Ongoing)

Bhagavath (PI), Alur S, Duecy E. Laparoscopic Training: Low vs. High Fidelity Trainers. (Completed. Abstract submitted to APGO-CREOG)

Lipetskaia L (PI), Collins AC. My Chart Project (Ongoing)

PRESENTATIONS AT SCIENTIFIC MEETINGS

N. E. Deveneau, C. F. Morales, L. Lipetskaia, A. Agrawal, A. Azadi, N. Herring, S. L. Francis "A unique method utilizing digital imaging for nerve stretch due to lithotomy position" American Urogynecologic Society (AUGS) and the International Urogynecological Association (IUGA) Annual Scientific Meeting In Washington DC July 2014.

Collins A; Lipetskaia L. American Urogynecologic Society (AUGS) and the International Urogynecological Association (IUGA) Annual Scientific Meeting In Washington DC July 2014. Patient enrollment in electronic personal health records. Poster Presentation

Doyle PJ; Wood R. Society of Gynecologic Surgeons (SGS) in Orlando FL March 2015. Sodium Fluorescein use during Intraoperative cystoscopy. Video Presentation

PUBLICATIONS

Evans JM; South MM; Jaekle R; Collins A; Lucas F; Simulian G. "The use of a Google search in the diagnosis of a rare condition." Female Pelvic Medicine & Reconstructive Surgery. 2014;20(2):121-2.

Collins AC, Buchsbaum GM. Colpocleisis. Strong Peri-FACTS. 2014

Azadi A, Deveneau NE, Francis SL, Greenstein M, Herring NR, Lipetskaia L, Mahalingashetty A, Ostergard DR. "Surface and boney landmarks for sacral neuromodulation: a cadaveric study." International Urogynecology Journal. 2015 Feb; 26(2): 263-8. Epub 2014 Sep 26.

Doyle PJ, Buchsbaum GM, Duecy E, Lipetskaia L, Wood RW. "Sodium fluorescein use during intraoperative cystoscopy." Obstetrics and Gynecology. 2015 Mar; 125(3): 548-50.

Doyle PJ, Duecy EE, Wood R. Sodium Fluorescein use during intraoperative Cystoscopy. Obstetrics and Gynecology Management. Video Library. 2015 September.

FUTURE PLANS

The primary goal for the upcoming years is to lay the foundation for a multi-specialty Center for Continence Care within UR Medicine. This center will serve as a regional resource in the treatment of women and men with incontinence and other pelvic floor disorders. The center will be the home of health care providers from several specialties such as gynecology, urology, colorectal surgery, physical therapy, gastroenterology and internal medicine with focus on diagnoses and treatment of incontinence due to

various etiologies. We anticipate in early 2016 for members of the divisions of colorectal surgery and urology to start providing care for patients with pelvic floor disorders together with members of the division of Urogynecology out of the Pelvic Health & Continence Specialties office at 500 Red Creek Drive in Henrietta. This close collaboration between these specialties will serve as the foundation on which to construct and expand further.

A regional continence center allows for pooling of resources. It will also allow for gathering of information on treatment approaches and their outcomes. These data are invaluable for streamlining care, developing and tracking outcome measures.

Overall, a regional Center for Continence Care will provide improved care of patients with incontinence as measured by outcomes. Treatment approaches will be patient-centered (providing one-stop individualized care) and outcome oriented. In addition to improving care, a continence center is expected to be cost effective, saving regional health care dollars.

EDUCATIONAL PROGRAMS

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2014 - June 30, 2015

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 the number of students choosing obstetrics and gynecology has remained stable. The number of students choosing Ob/Gyn in the last ten years is listed below:

Year of Graduating Class	Students Matching in Ob/Gyn
2006	4
2007	4
2008	10
2009	3
2010	4
2011	7
2012	8
2013	4
2104	5
2015	5

Five students in the Class of 2015 chose Ob/Gyn as a career choice and all five successfully matched. These students and match sites are listed below.

Class of 2015

Vanessa Canas
Katherine Congelosi
DeAndra Jamerson
Olivia Meier
Alexis Pilato

WSU/Detroit Medical Center - MI
University of Rochester Medical Center/Strong Mem - NY
University of Buffalo SOM - NY
University of Rochester Medical Center/Strong Mem - NY
University of Rochester Medical Center/Strong Mem - NY

During the fall of 2015, seven students from the University of Rochester School of Medicine and Dentistry are applying to residency programs in Obstetrics and Gynecology. The seven students are interviewing at programs across the country.

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.

2015 APGO Excellence in Teaching Award—Cynthia Angel, 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 speculae, and performing examinations. In 2014, Dr. Amy Nosek 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 – April

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 Sharlin Varghese 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 are small groups 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 at Lattimore Road.

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 Recurrent Miscarriage. These questions are written by Dr. Previte and Dr. Anne Nofziger, Course Director for the Primary Care Clerkship.

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. 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). Updates to the clerkship include:

- Continued initiatives pertaining to professional development of the students, including instruction on how to elicit constructive feedback in an effective manner, and how to handle situations with multiple different personalities.
- An update to the clerkship “passport,” which serves as both a guide for expected experiences and as a feedback tool for the students.
- An update to the clerkship required components of the physical examination, clinical diagnoses, and procedure skills.
- Continued assessment of strengths of each of the three clinical sites, collaboration between the site coordinators for shared improvement, and identification of weaknesses at the three sites.
- Focused teaching to the OB/GYN residents regarding Teaching, Learning and Feedback for medical students.
- Focused meetings with residents and faculty regarding the medical student experience, ways to integrate them into the clinical teaching, etc.
- Nursing education and interventions to enhance student involvement on the floors.

A current project underway for the clerkship:

- Clinical rounds with the department Chair, Dr. Eva Pressman, at all three clinical sites, focusing on observation of students obtaining histories and performing clinical examinations.

The site coordinators for the third year clerkship are:

Highland Hospital – Colby Previte, M.D.

Rochester General Hospital - Rehan Asif, M.D.

Strong Memorial Hospital – Dr. Katrina Nicandri, M.D., who took over from Dr. Sarah Betstadt in June 2015.

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.

Katrina Nicandri are Course 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 Course Directors of the Family Planning Elective, with Dr. Natalie Whaley joining them in August 2015*. 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 continually improving upon teaching, and finding ways to engage students and spark their interest in obstetrics and gynecology.

RESIDENCY EDUCATION PROGRAM



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

The 2014/2015 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
Katherine Congelosi, MD	University of Rochester School of Medicine and Dentistry
Alecia Fields, DO	Edward Via Virginia College of Osteopathic Medicine
Laura Hanks, MD	University of Wisconsin SOM and Public Health
Olivia Meier, MD	University of Rochester School of Medicine and Dentistry
Alexis Pilato, MD	University of Rochester School of Medicine and Dentistry
Rachelle St. Onge, MD	State University of New York Upstate Medical University
Marika Toscano, MD	State University of New York Upstate Medical University
Phoebe Whalen, MD	Oregon Health & Science University School of Medicine

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 81% 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, Katina Foster, MD and, Charisse Loder, MD; third year representatives, Laura Melcher, MD and Raksha Soora 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.

Resident Research Day was conducted in May, 2015 and complemented by the Chief Resident Dinner and Awards Ceremony held at Casa Larga in June.

RESEARCH DAY ACTIVITIES

May 7, 2015

RESEARCH PAPERS AND PRESENTATIONS

Resident Papers:

“Differences in birth outcomes between Caucasian and African American women undergoing ART”

Presented by Snigdha Alur, MD

“Unscheduled cesarean section: interval to delivery”

Presented by Corrie Anderson, DO

“Safety and efficacy of prolonged laminaria in second trimester pregnancy termination”

Presented by Megan Locher, MD and Laura Melcher, MD

“Immediate postpartum contraception: continuation and repeat pregnancy rates”

Presented by Amy Nosek, MD

“Incidence of gestational diabetes mellitus in twin pregnancies and association with perinatal outcomes”

Presented by Chinedu Nwabuobi, MD, MS

“Induction of labor with oral misoprostol vs. intravenous oxytocin in term premature rupture of membranes”

Presented by Raksha Soora, MD

“Counseling practices and social outcomes in pregnancies conceived with assisted reproductive technologies”

Presented by Ethan Gable, MD

35th ANNUAL JEROME H. RUDOLPH MEMORIAL LECTURE

“The Science behind Prenatal Vitamins”

Presented by Eva K. Pressman, MD
The Henry A. Thiede Professor and Chair
Department of Obstetrics and Gynecology
University of Rochester

RESIDENTS' HONORS AND AWARDS

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: **Mary Towner, 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: **Kristen Burhans, MD**

Faculty Awards

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: **Mary Wilsch, MD** (Highland Hospital)
Deborah Rib, 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: **Stefanie Hollenbach, 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 winners: **Megan Locher, MD** and **Laura Melcher, MD**
2nd place winner: **Amy Nosek, MD**
3rd place winner: **Raksha Soora, 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: **Megan Locher, MD**

Administrative Chiefs for 2014/2015:

Katina Foster, MD and Charisse Loder, 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: **Anne F. Calvaruso, NP**

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: **Kristen Burhans, MD**

The Obstetrics and Gynecology Department Award

Established in 2010, in recognition of the Ob/Gyn resident who has consistently demonstrated excellence in teaching of medical students and fellow residents.

Recipient: **Kristen Burhans, MD**

The 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: **Rachel Flink-Bochacki, MD**

The Reproductive Endocrinology Award

Given to the resident who demonstrates, through interaction, teaching and/or testing, a superior understanding of Reproductive Endocrinology, an excellent performance on his/her Reproductive Endocrinology Rotation, and the highest standards for care of patients with Reproductive Endocrinology and Infertility concerns

Recipients: **Elizabeth Bard, MD and Ethan Gable, MD**

The 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.

Recipients: **Megan Locher, MD and Chinedu Nwabuobi, MD, MS**

OTHER AWARDS/OPPORTUNITIES DURING 2014/15:

AAGL Resident of Excellence in Endoscopic Procedures Award

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: **Emily Thompson Carrillo, 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: **Cynthia Angel, MD**

CREOG 2015 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: **Neil Seligman, 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: **Kristen Burhans, MD**

The Society of Maternal Fetal Medicine Award for Excellence in Obstetrics

This award is given to a resident who best exemplifies the qualities of the vision of the Society of Maternal Fetal Medicine (SMFM) to improve pregnancy and perinatal outcomes.

Recipient: **Kristen Burhans, MD**

The 2015 Ryan Program Resident Award

This award is given to the resident who best exemplifies the dedication to service, training and education in family planning.

Recipient: **Jennifer Black, MD**

The 2015 Conventional Laparoscopic Olympics Recognition

This award is given to the resident(s) who demonstrate interest and continuity in practicing and acquiring different conventional laparoscopic skills.

Recipients: **Rachel Flink-Bochacki, MD and Mary Towner, MD**

HIGHLAND HOSPITAL

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2014 - June 30, 2015

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

FF THOMPSON HOSPITAL

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2014 - June 30, 2015

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

RESEARCH

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2014 - June 30, 2015

RESEARCH DIVISION

DEPARTMENT HIGHLIGHTS

- ◆ 16 New Grants in the Department
- ◆ 49 Active NIH and non-NIH Grants in the department with total costs of \$9,260,236
- ◆ 47% of the PhD or MD faculty members are PI on a grant
- ◆ 33% of the MD faculty members are PI on a grant

RESEARCH DIVISION HIGHLIGHTS FOR 2014 – 2015:

1. **10 New Grant Awards for Research Faculty:**
 - a. *Emily S. Barrett, Ph.D.* NIH Grant in the amount of \$80,591 for “Phthalate exposure and gender-related development: The Infant Development and the Environment Study (TIDES) II, Year1.”
 - b. *Emily S. Barrett, Ph.D.* EHSC Grant in the amount of \$8000 for “Autism and inflammation: towards a translational animal model.”
 - c. *Emily S. Barrett, Ph.D.* from Mae Stone Goode in the amount of \$2,397 for “Environmental Chemicals, Hormones and Ovary Study.”
 - d. *Timothy De Ver Dye, Ph.D.* from CDC in the amount of \$1,000,000 for “Coordination Center for the Global and Territorial Health Research Network.”
 - e. *Timothy De Ver Dye, Ph.D.* from Pfizer in the amount of \$500,000 for “Electronic Health Record (EHR) - Enhanced Clinical Communication and Quality-of-Life Improvement in Managing Menopausal Vasomotor Symptoms (MVS).”
 - f. *Timothy De Ver Dye, Ph.D.* from Worldwide Universities Network in the amount of \$15,278 for “Data Diplomacy: Political & Social Dimensions of Data Collection & Sharing.”
 - g. *Timothy De Ver Dye, Ph.D.* from NIH in the amount of \$326,000 for “MundoComm: ICT for Maternal Health in Costa Rica and Latin America.”
 - h. *Timothy De Ver Dye, Ph.D. and Richard K. Miller, Ph.D.* from Mae Stone Goode in the amount of \$41,383 for “Enhancing Clinical and Translational Research in Maternal Fetal Health Through Development of a Birth-Related Tissue Repository.”
 - i. *Richard K. Miller, Ph.D.* from The Organization of Teratology Information Specialists in the amount of \$100,000 for “The OTIS/Mother to Baby Reproductive and Environmental Health Network” as well as a \$9,000 supplement for outreach to Deaf and Hard-of-Hearing mothers.
 - j. *Shawn P. Murphy, Ph.D.* from Mae Stone Goode in the amount of \$12,236 for “Imagining the Human Placental and Extracellular Matrix.”
2. **28 Peer-Reviewed Publications** in journals including: American Journal of Human Biology, Breast Cancer Research, Endocrinology, Fertility and Sterility, Hormones and Behavior, Human Reproduction, Journal of Clinical Endocrinology and Metabolism, Journal of Developmental Origins of Health and Disease, Journal of Pediatric Urology, Maternal Child Health Journal, Birth Defects Research, Placenta, American Journal of Obstetrics and Gynecology, Environmental Geochemistry and Health, Toxicology and Applied Pharmacology, Journal of Maternal-Fetal and Neonatal Medicine, Drugs During Pregnancy and Lactation (Academic Press,) Chemosphere, The Journal of Urology, Obstetrics and Gynecology, Journal of Bone and Mineral Research, PloS One, BMC Bioinformatics, Journal of Perinatal Medicine, Embryo Today, Epigenetics, Pain.

FACULTY

Emily S. Barrett, Ph.D. is an Assistant Professor of Obstetrics and Gynecology at the University of Rochester School of Medicine and Dentistry. In the spring of 2015, she completed her final year as a scholar in URM's BIRCIWH (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 studied how environmental factors, particularly those operating early in development, affect the reproductive system. In that capacity, Dr. Barrett co-authored 12 peer-reviewed scientific papers in 2014 (6 as first author) as well as 10 thus far in 2015 (5 as first author), with five additional manuscripts currently in preparation or under review.

In 2015, Dr. Barrett and colleagues were awarded funding from the National Institute of Environmental Health Sciences (NIEHS) to continue to follow children born into their multi-center TIDES cohort for five more years. In 2014, the TIDES team published findings from the study's first funding cycle demonstrating that even at very low levels, prenatal exposure to phthalates (a ubiquitous class of endocrine disrupting chemicals) is associated with altered reproductive development in male infants. In the next phase of the study, the team will investigate whether these chemicals also affect certain aspects of brain development and Dr. Barrett will continue to serve as the PI of the University of Rochester TIDES Study Center. Dr. Barrett also received excellent scores on her R01 proposal (submitted to the National Institute of Child Health and Development in late 2014) entitled "Prenatal anxiety, androgens, and sex-dependent development". The study received a 1% with a priority score of 10 and the team anticipates that funding will start in fall 2015.

As these large new studies get underway, Dr. Barrett completed data collection for several pilot studies including ECHO, which examined how exposure to environmental chemicals contributes to ovarian function in women with unexplained infertility and healthy controls. Dr. Barrett and her team are currently analyzing data from this study and hope to use their results as the basis for a new NIH grant proposal in the coming year. Dr. Barrett and colleagues presented results from these and other studies at several large national and international meetings in 2014-2015 (3 oral presentations, 4 posters) as well as at local venues (2 oral presentations).

In spring 2015, Dr. Barrett was appointed to the editorial board of two leading journals, Fertility and Sterility and Hormones and Behavior. She was also elected to the Board of Directors of Rochester's Healthy Baby Network, a not-for-profit organization seeking to improve local maternal-child health. Dr. Barrett continued as co-Director of the Office of Research Administration in the Department of Obstetrics and Gynecology, helping to oversee the scientific and administrative aspects of all research underway in the department, and the department reviewer for the URM Research Subjects Review Board. She continues to sit on the URM Environmental Health Sciences Center faculty.

Timothy De Ver Dye, Ph.D. is Associate Chair for Research in Ob/Gyn and Professor of Obstetrics and Gynecology, Medical Informatics, Pediatrics, and Public Health Sciences. He is a perinatal epidemiologist with a particular interest in how social determinants interact with medical factors in pregnancy. As Director of the Biomedical informatics Core of the Clinical and Translational Science Institute (CTSI), Dr. Dye is also keenly interested in creating large-scale datasets accessible to maternal and child health researchers, and that promote the integration of biological insight with clinical and social interventions. Dr. Dye, an elected Fellow of the American College of Epidemiology, has extensive experience in global maternal and child health, having collaborations in more than 20 countries throughout the world. His recent publications reflect this diverse range and include reviewing the scope of breast and cervical cancer research in developing countries, deconstructing notions around unintended pregnancy among Native Hawaiians, evaluating risk of diabetes during pregnancy, and developing

statistical methods to understand DNA methylation. Dr. Dye currently serves as Editor-in-Chief of the Maternal and Child Health Journal, which publishes public health, obstetrics, gynecology, prenatal medicine, pediatrics, and neonatology research and serves as Chair of the Medical Advisory Board of OneHEART Worldwide, an international NGO that aims to reduce maternal mortality around the world.

Morton W. Miller, Ph.D., an NIH Merit Awardee and an OB/GYN Research Professor Emeritus faculty member, continues his research on the teratologic 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, which jointly are expected to produce synergistic levels of teratogenesis in exposed embryos and fetuses. His projects have been funded in the past by the NCI, NICHD, NIBIB and the Mae Stone Goode Foundation, some in collaboration with URM OB/GYN fellow faculty members Dr. Richard K. Miller and Dr. Christopher J. Stodgell, and also involving Dr. Charles C. Church of the University of Mississippi. 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 (30+ years) in activities of the National Council on Radiation Protection and Measurements (NCRP). 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 MotherToBaby URMedicine (formerly known as the Perinatal Environmental/Drug Exposure Consultation Service (PEDECS) - Teratogen Information Service for New York, and now New Jersey and Pennsylvania), Co-Director of the Finger Lakes Children's Environmental Health Center (NYS Center of Excellence in Children's Environmental Health). He has also been lead investigator of a 20 institution NIH-National Children's Study Formative Research Project involving the placenta with Drs. Stodgell and Katzman. This 105 investigator study is 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. As part of this NCS Study, Drs Miller, Stodgell, Darrah and Dye are following up on the finding that a 6% of the 250 women studied had dramatically elevated gadolinium levels via studies in Hawaii. They are currently attempting to determine associations with adverse perinatal outcomes and origins of the exposures. Additional investigations at URM with Dr. Lauren Miller are also investigating the relationship between Magnetic Resonance Imaging with gadolinium contrast agents and the placental levels of Gd and potential effects on the pregnancy and newborn. Also preliminary studies are exploring the non-invasive methods for evaluation of placental pathology in pregnancy using Ultrasound and MR elastography and a functional method to determine placental fetal vascular branching with Drs. Parker, McAleavey, Doyley, Dombroski, Stodgell, Hyrien, Wood, Carroll, Katzman, Thornburg, Pressman, Wang and Zhong from URM and the School of Engineering. He is also collaborating with Drs. Barrett, O'Connor, Katzman, Salafia and Stodgell in a recently funded NIH study (UPSIDE: PI Barrett) examining Maternal Anxiety, Androgens, and Sex-Dependent Development. 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 is completing his research studies funded by NIH concerning the role of the placenta in transporting nanoparticles. He is 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 the dysmorphologist and member of the Scientific Advisory Boards for the US Ribavirin Pregnancy Registry, for the Genentech MoTHER Pregnancy Registry and for the international Belimumab Pregnancy Registry. He is also 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 (Montreal, Canada), Federation of Placenta Association 2014 Meeting (Paris, France), and European Network of Teratology Information Services (ENTIS) and the Organization of Teratology Information Services (OTIS) Joint Meeting II (Toronto, Canada). Dr. Miller is Chair of the International ENTIS-OTIS Scientific Research Consortium and member of the OTIS Research Committee. At URSMD, Dr. Miller is Section leader and lecturer in the Reproductive and Developmental Toxicology Section of Toxicology 522 and Course Director for Toxicology 530 (Reproductive and Developmental Toxicology). He is involved with medical students in all four years including the 4th year medical student team for the Process of Discovery Program. This year, Dr. Miller edited the 3rd edition of *Drugs During Pregnancy and Lactation: Risk Assessment and Treatment Options* (Academic Press 2015) and published six papers and twelve abstracts in *Birth Defects Research A and C, Epigenetics, Placenta, PERIFacts, Biology of Reproduction and Environmental and GeoChemical Health*.

Shawn P. Murphy, PhD, and his research team, Ian Perry and Val Pyon, are studying immunity and infection within the human placenta. This unique organ plays multiple critical roles in successful pregnancy, including gas and nutrient exchange, and protection of the genetically distinct fetus from infection and maternal immune-mediated destruction. We recently developed a whole mount immunofluorescence (WMIF) method, which enables us to study cell signaling and infection in the major placental cell types within morphologically intact tissue.

We subsequently utilized WMIF to characterize placental cell responses to type I and type II interferons (IFN-I and IFN-II), which are pro-inflammatory cytokines that play critical roles in activating immune responses to tumors, viruses (IFN-I) and intracellular bacteria (IFN-II). Importantly, we demonstrated that trophoblast subpopulations from 1st trimester placentas differentially respond to both IFN-I and IFN-II in the syncytiotrophoblast layer and underlying villous cytotrophoblast are hypo-responsive to IFNs, while extravillous trophoblast cells (EVTs) are strongly responsive. The identification of differential IFN responsiveness in distinct human trophoblast cell subpopulations suggests that IFNs may play an important role in controlling the functions of EVT, which invade into the uterine wall and remodel maternal blood vessels to facilitate blood flow to the fetus. Additional studies using model trophoblast cell lines and primary villous cytotrophoblast (vCTBs) isolated from term placentas confirmed that the magnitude and duration of IFN responses is significantly higher in EVT compared to vCTBs. Furthermore, IFN-I induce significantly higher levels of interferon stimulated gene (ISG) products in EVT versus vCTBs. Lastly, we extended these studies to show that the profile of trophoblast cell responsiveness to type III IFNs, which also promote an antiviral state, are comparable to IFN-I and IFN-II. Our current studies are examining whether trophoblast cell subpopulations differentially utilize IFNs to combat infection by viruses and intracellular bacteria.

Infections by food borne pathogens such as *Listeria* and *Salmonella* represent a significant danger for pregnant, domesticated farm animals and pregnant rodents, for these infections are associated with significant increases in fetal and maternal mortality and morbidity. Studies in pregnant mice demonstrate that *Salmonella* homes to and rapidly replicates within the placenta, leading to rapid destruction of the mouse placenta, septicemia and subsequent death of the mother. Despite these observations, and case reports demonstrating an association between *Salmonella* infection and complications of pregnancy such as miscarriage, relatively little is known about the potential effects of *Salmonella* infection on pregnancy in women. Thus, Ian Perry is pursuing his PhD degree by studying the capacity of *Salmonella* to infect the human placenta. To date, Mr. Perry's studies demonstrate that *Salmonella typhimurium* (S.Tm) has the capacity to infect human placental explants from all three gestation ages tested (1st trimester, 2nd trimester and term), but the bacterial burden does not significantly increase over time. Greater numbers of colonies were obtained from infected explants of 1st trimester compared to term placentas, suggesting that early stage tissues are more susceptible to S.Tm. Immunolocalization analysis performed using whole

mount immunofluorescence demonstrated the presence of S.Tm primarily in the syncytiotrophoblast layer that is exposed to maternal blood, and to a much lesser degree in the underlying villous cytotrophoblast cells. Thus, S.Tm infection appears to be restricted to the trophoblast layer of placental explants. S.Tm utilizes a needle-like apparatus termed the type III secretion system (T3SS) to gain entry into non-phagocytic mammalian cells, and studies using S.Tm T3SS mutant strains demonstrated that the T3SS locus is required for successful infection of intact placental explants. However, infection of villous cytotrophoblast cells (vCTBs) that were isolated from term placentas demonstrated that S.Tm can replicate extensively in these cells, and furthermore, that the T3SS is not necessary for S.Tm infection of these cells. Taken together, our collective results suggest that the intact human placenta can act as a barrier to infection by S.Tm. However, in the event that Salmonella penetrates the outer syncytiotrophoblast, the bacteria may have the capacity to replicate extensively and potentially cause complications of pregnancy.

Dr. Murphy is one of the original faculty members involved in teaching the Human Placenta Biology Workshop at Queen's University in Kingston, Ontario, Canada, and has now lectured in the course for the past nine years. The course provides an intensive introduction to the biology of the human placenta, and trophoblast cells in particular, to clinicians, principal investigators and PhD students interested in pursuing pregnancy research. To date, students from over thirty countries have participated. Although Dr. Murphy was originally responsible for teaching the molecular biology component of the course, for the past two years he has given lectures emphasizing the utility of the whole mount immunofluorescence method for studies of the human placenta. He also provides a laboratory component on the whole mount immunofluorescence technique.

Jay E. Reeder, Ph.D. Dr. Reeder is investigating the genetics of recurrent superficial bladder cancer in collaboration with Dr. Edward Messing of the Department of Urology. Superficial bladder cancer patients have a high risk of developing additional bladder tumors after initial resection. We are studying the mutations found in multiple tumors to better understand the relationships between them and the impact of therapy on clonal recurrence. Dr. Reeder is collaborating with Drs. Paula Doyle and Ronald Wood in developing near-infrared imaging technology for use in surgery and non-invasive medical procedures. Several issued and pending patents have been generated from this work and efforts are underway to validate these in model systems and clinical trials as well as to commercialize the intellectual property. Dr. Reeder participated in the development of GESPA, a software program that uses comparative genomics and published literature, to better predict the impact of specific genetic variations on protein function. The algorithm was demonstrated to be superior to previous attempts and a manuscript describing GESPA was recently published. The software and database are publicly available for use by the scientific community.

Richard W. Stahlhut, M.D., M.P.H. Research Assistant Professor, is currently collaborating with URMIC assistant professor Camille Martina, PhD and allergy/immunology professor John Looney, MD on a study examining the relationship of animal exposure (i.e., hygiene hypothesis) and consumer product use (chemical exposures) on the rate of allergy in an Old Order Mennonite community. He is working on translational studies with basic scientist Fred vom Saal PhD who is internationally-known for his work on the hormonally-active contaminant bisphenol A (BPA). Dr. Stahlhut was a contributor to the vom Saal lab publication showing that under plausible (if worst case) real world conditions, the handling of commonly-used thermal cash receipt paper can result in substantial, potentially meaningful, BPA exposure. He is also PI on a pilot study with Dr. vom Saal that looking at possible BPA effects on metabolism in humans.

Christopher J Stodgell, Ph.D. received his doctorate in Pharmacology and Toxicology from the University of Kansas, where he studied the behavioral neurochemistry of rats exposed to environmental and chemical agents to induce brain defects. Dr. Stodgell's main area of research is on the environmental

and genetic causes of developmental disorders such as autism. He 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 collaborating with Dr. Alex Patchiorkowski on identifying new de novo mutation in cases of autism. In addition to his research on autism, Dr. Stodgell, and 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 collaborating with Dr. David Foster, in the department on the genetic and environmental etiologies of vulvar vestibulitis, and more recently recently, he has started working with Dr. Morton Miller on teratogenic synergism that may occur when the fetus simultaneously experiences multiple teratogenic exposures. 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 Education Committee for the Teratology Society and is Vice Chair of the University Committee on Animal Resources, serves on the Medical Student Admissions Committee, and is a member of the University's Senate Executive Committee. Dr. Stodgell regularly lectures on teratology for the third year medical students in the Women's Health Clerkship, Developmental and Reproductive Toxicology Tox 552, and genetics and psychopharmacology in CSP 553, as well as a group leader for the Process of Discovery with the 4th year medical students.

Ronald Wood, Ph.D. The laboratory of Dr. Wood has focused extensively on murine lower urinary dysfunction and associated anatomical changes. This research program also relevance to overactive bladder, benign prostatic hypertrophy, cystitis and genitourinary malignancies; resultant collaborations have produced innovations used in the human operating room. High resolution 3D ultrasound imaging is supported from this lab, a technology permitting rapid high contrast imaging of soft tissues and blood flow. Multimodal imaging of placental structure and function is an emerging research focus of a large collaborative team (Kevin Parker and colleagues) that has recently demanded use of the Bluehive supercomputer and the VISTA Collaboratory. 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, Paula Doyle, Gunhilde Buchsbaum, Christopher Stodgell and Richard Miller in the Department; Drs. Edward Messing, YiFen Lee and ShuYuan Ye in Urology; Drs. Edward Schwarz, Brendan Boyce and Lianping Xing in Orthopedics and Pathology. The laboratory of Dr. Wood continues to provide research experience for graduate students, residents and fellows in these departments.

PROGRAMS, CENTERS AND SERVICES

MotherToBaby UR Medicine is a service of the Department of Obstetrics and Gynecology at the University of Rochester, School of Medicine and Dentistry, in Rochester, New York staffed by Teratologists, Pharmacologists/ Toxicologists, Pharmacists, Obstetricians and Pediatricians who specialize in prenatal exposures and breastfeeding. Directed by Dr. Richard K. Miller, families and health care providers can call this service from 8:30am to 4:00pm Monday through Friday at 585.275.3638 to address concerns involving environmental, occupational and therapeutic exposures during pregnancy and breastfeeding. You may also email us at MotherToBaby@urmc.rochester.edu especially for Deaf / Hard of Hearing Families. Please visit our website at <http://www.urmc.rochester.edu/ob-gyn/obstetrics/mother-to-baby>. Meet our Staff and members of our Advisory Board, review fact sheets, see Healthy Homes Healthy Families Booklets (English and Spanish) and Videos in English, Spanish, ASL with Subtitles in both English and Spanish, and also current information about exposures. MotherToBaby UR Medicine is

a member of the MotherToBaby national network, a service of the Organization of Teratology Information Specialists (OTIS) <http://www.mohtertobaby.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. In 2014-2015, members of ORA included: Emily Barrett and Rebecca Rowley, co-Directors; Meghan Goodwin, Staff Accountant; Ken Edell, Data Base Manager; Sarah Caveglia, Heather Fiore, Lynda Kochman, Divya Kumar, Jessica Gulliver, Study Coordinators; Shaya Greathouse and Hillary Rich, Study Recruiters; Val Pylon, Technician; Ian Perry, Graduate Student.

SUMMARY

In fiscal year 2014-2015, the Office for Research Administration (ORA) in Ob/Gyn managed over \$9 million in grant funding, assisted in the preparation and submission of dozens of new grants, and helped to implement a number of new and continuing studies led by our faculty. The nine faculty members in the Research Division represent a broad range of backgrounds and research areas, ranging from environmental epidemiology to placental immunology to in vivo urogynecology. Dr. Timothy De Ver Dye, who joined the research faculty in January 2014, led Research Division efforts as Associate Chair for Research. Under his leadership, the department's resident research program has flourished and new collaborations have been established with the Clinical and Translational Science Institute (CTSI), of which Dr. Dye is Director of the Biomedical Informatics Core.

Indeed, the research faculty continued to be productive, publishing numerous articles in leading journals including *Human Reproduction*, *Placenta*, the *American Journal of Obstetrics and Gynecology*, *Obstetrics and Gynecology*, *BMC Bioinformatics*, *PLoS One*, and *Biology of Reproduction*. They gave presentations at meetings on the local, national, and international levels and have continued to develop new collaborations with colleagues at the University of Rochester, as well as across the U.S. and internationally. In 2014-2015, research division faculty were awarded several large national-level grants for innovative projects on topics ranging from the political and social dimensions of data collection and sharing to the effects of maternal anxiety on fetal development. A number of smaller pilot studies were funded in 2014-2015 as well, which will allow the research division faculty to continue to strive for larger awards even in the face of heightened competition for national level funding.

ORA helped 12 PIs in the Department of Ob/Gyn to develop and submit 24 new grant proposals this year, including 10 NIH proposals and 14 applications to other funding agencies (federal, state, foundation, or industry). ORA continued its efforts to facilitate research for all departmental investigators (from residents to senior faculty) through the development of research infrastructure at our off-site outpatient clinics as well as further development of our in-house research support team. Our successful weekly research workshop series continued, and provided a forum for sharing results, discussing new ideas, and learning new research tools. We were also pleased to host speakers from a number of different URMC departments as well as outside institutions, and these talks continue to provide a forum for developing new inter-disciplinary collaborations and stimulating new research directions. ORA 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, 2014 - June 30, 2015

NURSING SERVICE SUMMARY

The OB/GYN Nursing service continues to strive to deliver the highest quality care to our patients and families. We continue to validate the great care by our Press Ganey/HCAHPS scores that are received every month. This past June, the OB/GYN units exceeded target thresholds for patients responding “always” in all 15 categories for quality expectations. These measures rank the units across the disciplines, and we celebrated this teamwork and commitment to our mission and vision with a well-attended ice cream social.

Each unit participates in the UPP (Unit Performance Projects) program; which is a hospital initiative to share best practices in the areas of patient and family centered care, safety and quality, and LEAN. Again, this is an interprofessional approach to unit improvements. We have many great achievements including pet therapy for the long term antepartum patients, interactive prenatal teaching sessions for patients on bedrest, improvements in the discharge process, a review of our approach to chorioamnionitis, interdisciplinary rounding, multiple LEAN initiatives, and more!

The units have seen a great deal of change in the past year. The Birth Centers completed their renovations which are inclusive of calm, home-like color choices and head walls that try to mask the “hospital” look, creating more storage in the nurseries including mobile circumcision carts and separate medication prep areas, and a facelift to the nurses’ station. 31200 is currently under renovation and will see an increase in the number of private rooms as part of a similar renovation style. Planning is underway for 31400.

Golisano Children’s Hospital opened this past July, and that represented changes in workflow, given our close relationship with the NICU. A transitional phase team now meets regularly so we can look towards perfecting communication and maintaining smooth and efficient workflow. As part of the preplanning, we offered simulation of “the first five minutes” to help nurses bolster their confidence in NRP skills, knowing that a NICU team is slightly further away.

On top of the physical changes, we have seen many personnel changes this past year. Barb Maier is the new nurse manager of 31400, replacing Keri Cockman, who moved to Women’s Health Practice. We were very fortunate to have Bonnie Walden join us as our MCIC Perinatal Safety Nurse in January. Deb Phillips, our Associate Director for many years, retired on June 30, 2015. Discussions are underway to move the OB/GYN service to a partnership with pediatrics. As part of that change, Sue Bezek, the current nursing Associate Director for Pediatrics will be the Associate Director for the merged service line. Jennifer Carey is the new Assistant Associate Director for OB/GYN. Lynn Frenett has stepped in as the interim Nurse Manager on the Birth Centers, to assure smooth functioning continues. We have also seen additional changes to our assistant nurse manager roles as we continue to realize the potential in our Strong nursing staff.

A change our units have been working on is the promotion of ICARE values. In fact, representatives from the Birth Center ICARE/PFCC team (Melissa Gramse, Julie Butterbrodt, and Teri Kachala) led a project this past Spring asking all staff to write an interesting fact about themselves on paper sunflower petals so as to cultivate a garden where we care more about each other by knowing each other better. Everyone was encouraged to participate; med students, secretaries, environmental services, attendings, etc. The petals were used to create a wall garden of sunflowers, which was beautiful and fun! In addition, the team made small pots, soil, and sunflower seeds available. If someone witnessed an ICARE behavior, they were encouraged to plant the seed in the pot, write the behavior on a stick in the pot, and present it to the person so we could watch the values continue to “grow.” The team submitted their poster,

“Cultivation and Growth” to a UR Medicine poster presentation and won in the category, “Most Creative/Innovative!” This was a big win because not only did they have the pride in winning from a huge selection of posters, including offsite areas, but the big win was in the increased comradery and proliferation of ICARE values.

URMC’s Nursing Service conducts a research poster presentation which requires that strict guidelines are met. A few of these posters that speak to best practice changes based on research are selected for the presentation. Ingrid Nyman, RNC from the Birth Center, submitted an abstract and her poster, “Intrauterine Resuscitation- Is Oxygen the right thing to do?”, was selected. The poster was a reflection of a compilation of research regarding the use of oxygen in labor which she had presented to our OB Service team and resulted in some changes to our standards of care.

We are also very proud of OB nursing’s part in GCH and SMH being recognized as ‘Gold Safe Sleep Champions.’ The National Safe Sleep Hospital Certification Program awarded us this highest designation because of our commitment to best practices and education on infant safe sleep. We are the first and only hospitals in New York State to receive the title. Our robust program includes nursing and patient education, attestations regarding the education, distribution of literature and baby board books, and through a generous contribution from Friends of Strong, we now give every baby a UR branded Halo sleep sack. The sleep sacks speak to swaddling without loose blankets so we can promote the ABC’s of safe sleep: Alone, on the Back, and in the Crib. Thanks to Maureen Freedman for spearheading this project on behalf of OB/GYN Nursing. We hope to continue to have an impact on safe sleep in the community and reduce infant mortality of healthy babies related to unsafe sleep practices.

Our service nursing leadership team led half day Service Retreats in March. The staff members were mixed from all three units. There were mixed presentations from our HR Partners, leadership, and interactive activities to strengthen the relationships of the staff across the service. We asked staff at each session to submit ideas for “wouldn’t it be great if...?”- to look for frontline suggestions for improvement.

One of the ideas brought forward was the development of an LPN role on 314 to facilitate skin to skin contact in the OR. We are very pleased to see that idea coming to fruition as we are currently in the orientation process for this role. Interestingly, this request was also brought forward at a FT/PT faculty meeting, and we were thrilled to answer that we were in the hiring process at that time. It is significant that across the disciplines, the importance and relevance of skin to skin contact at delivery is valued so highly. Also of great importance and another great change is that this fall, we will introduce our wireless fetal telemetry system so that patients have increased independence with positioning choices in labor. In the realm of quality and safety measures, we continue robust work through the guidance of Candace Galle and Bonnie Walden, as well unit regulatory compliance and safety nurses. Current work includes the SMI initiative (PPH, hypertension, and VTE), pain documentation compliance, anti-coagulation compliance, breastfeeding initiation and exclusivity rates, among many other markers of great experiences and JC core measures. Along with introducing education pieces to our service, Jennifer Truax continues reviews to ensure we meet expectations regarding 36-39 week deliveries and coordinates communication for regional transfers. Coming soon, we hope to address safe handoffs. We have also begun some initial conversations to introduce GNOSIS learning modules through MCIC and will also be doing work on shoulder dystocia simulations with Chris Arnold. Chris Arnold is first author of an article, “The Difficult Team Debrief: Strategies for the Facilitator” that will be published in Neo Reviews this fall. She is also involved in abstract submissions related to conducting workshops for faculty development and simulation.

Interprofessional growth and development is at an exciting place. The nursing service has partnered with Dr. Duecy in the “walk in my shoes program,” meets regularly to work on collaboration between nursing

and medicine, inclusive of teaching opportunities. Faculty have been reaching out to nursing through invitations to lecture series, grand rounds, and ongoing conversations when areas for improvement are noted with standards of care. The existing ICARE values of courtesy and respect continue to grow as we share goals for our patients and consider best practices in reaching those goals together.

Our nursing service is extremely proud of the challenges, initiatives, and safe and quality care we have been delivering. We are also proud of our interdisciplinary relationships with the medical team, as we continue seeking out ways to share learning opportunities and formulate best practice plans of care. Nursing looks forward to our ongoing growth and achievements which are facilitated in the framework of a Magnet accredited hospital.

IN-PATIENT OB/GYN NURSING SERVICE

Assistant Associate Director for OB/GYN Nursing

Jennifer Carey, BSN, RNC

Nursing Educators

Jennifer Truax, MS, RNC

Maureen Freedman, MS, RNC

Christine Arnold, MS, RNC CHS

Nurse Managers

Rebekah Huff, MS, RNC 3-1200

Barb Maier, BSN, RNC 3-1400

Lynn Frenett, MS, RNC (Interim NM) Birth Center

Coordinator of OB/GYN Quality Improvement

Candace Galle, BS, RN

MCIC Safety Nurse for Obstetric Practice at Strong Memorial Hospital

Bonnie Walden, MS, RNC

SOCIAL WORK

The Strong Health 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, , 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 ambulatory or inpatient clinical area, suspected to be the victims of child abuse/neglect or domestic violence. 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 is staffed by 2.65 FTE masters' level social workers. Staff includes the following:

Sarah Gallivan LMSW .9 FTE
Kim Hober LMSW .65 FTE
Amelia Nevarez LMSW .5FTE
Michelle Siembor LMSW .5FTE

GRANT SUPPORTED PROGRAMS

Social Work is partnering with WHP Behavioral Health in the implementation of Patient Priorities and Community Context: Navigation for Disadvantaged Women with Depression - a PCORI supported study that aims to evaluate two interventions that patients with depression may find useful.

Amelia Nevarez-Holmquist, LMSW has been recruited to serve as The Centering Pregnancy case manager for patients enrolled in Centering Prenatal Care Groups. The case manager is responsible for identifying and addressing the psychosocial needs of centering participants and to facilitate ongoing attendance at group prenatal care visits.

Sarah Gallivan LMSW along with Dr. Cindy Rand and Dr. Amy Harrington secured a Wilson Foundation grant to improve contraceptive use among postpartum women, reduce the number of unintended pregnancies, reduce the number of short interval pregnancies (defined as less than 18 months between deliveries), and keep postpartum women and their newborns up to date on recommended preventive care. The project's outreach intervention is modeled after a successful outreach project that boosted immunizations and preventive care for children.

The Social Work Division has maintained 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. These programs include the:

- (1) Social Work Division Preventive Program, a Monroe County sponsored, mandated foster care prevention program serving families of newborns at high risk for child maltreatment.
- (2) Baby Love, a community based perinatal outreach program, serving pregnant women and teens that are at risk of poor pregnancy outcomes, The Baby Love program receives support through the NYS MICHGrant, United Way, Excellus Health Plan and MVP. The program continues to demonstrate effectiveness in reducing neonatal intensive care admissions for the two Medicaid Managed Care Plans.
- (3) Building Healthy Children is a collaborative project involving the Social Work Division, and U of R's Mt. Hope Family Center. 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.

COMMUNITY COLLABORATIVES:

The Social Work Division is providing leadership to the DSRIP Maternal Child Health Project for the Finger Lakes Performing Provider System (FLPPS). A proposal has been submitted to expand the SWD's Baby Love project in order to service more women in the community who are at risk of poor perinatal outcomes.

In collaboration with the Injury Free Coalition for Kids, perinatal social workers have implemented the Safe Ride Home project assuring all newborns leave the hospital in an approved and appropriately installed car seat. Grant funding was secured from the Friends of Strong and the Ronald McDonald House charities to purchase infant car seats for patients without sufficient resources for a car seat. Parents who are provided with a car seat first watch a DVD instructing them on the importance of car seats and appropriate installation of the car seats. This new program has enhanced safe and timely discharges of newborns

Safe Crib Coalition – Perinatal social workers continue to collaborate with the Safe Crib Coalition to secure safe sleeping environments for newborns. Unnecessary infant deaths resulting from unsafe sleep situations continued to be a community concern. Social Workers along with other OB/GYN staff reinforce safe sleep practice for newborns in discussions with new parents.

UR, OB/GYN social workers participate in a number of additional community collaboratives and advisory committees that promote coordinated, multi – systems, community approaches to caring for women of reproductive age.