

**DEPARTMENT OF
OBSTETRICS AND GYNECOLOGY**
Annual Report for July 1, 2015 – June 30, 2016



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, 2015 - June 30, 2016

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MESSAGE FROM THE CHAIR



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

Each academic year brings new opportunities, successes and challenges. In 2015-16, the Department of Obstetrics and Gynecology has continued its longstanding tradition of delivering the best, evidenced based care available to the women of Western New York, providing educational opportunities at all levels of medical education and pushing the boundaries of research in women's health. Working with the other departments of the University of Rochester, we strive to be the local health system of choice, create the Upstate's premier health network, and be preminent in research and education.

Our faculty continues to grow with 46 full time physicians, 14 midwives, 13 nurse practitioners, 3 genetic counselors, 6 fellows, 31 residents, 11 PhD's and 118 community affiliated providers practicing at Strong Memorial, Highland and Thompson Hospitals. In addition to seeing more than 100,000 outpatient visits and performing over 8000 surgical procedures and 6400 deliveries, our faculty have published 60 peer-reviewed articles, presented 60 talks and posters at national and international meetings, and secured 20 new grants bringing the total funded projects in Obstetrics and Gynecology to 71 with a total of \$16.7 million in committed funding.

Highlights of this year include:

- UR affiliations with Noyes Memorial Hospital in Dansville and Jones Memorial Hospital in Wellsville
- UR Collaboration with Wyoming County Community Health System in Warsaw
- Recruitment of Dr. Richard Moore 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.
- Recruitment of Drs. Whaley, Morrison, Burhans and Linder in Obstetrics and Gynecology
- Recruitment of Dr. Gray in Maternal Fetal Medicine
- Recruitment of Dr. Ibrahim at Highland Hospital
- Relocation of University OB/Gyn and Midwifery to new office space at 125 Lattimore Road

Looking forward to next year, we are excited about the new UR Medicine Lactations Services, a joint venture between OB/Gyn and Pediatrics and directed by Dr. Casey Rosen-Carole. Continuing in the tradition of Dr. Ruth Lawrence, this program will provide breastfeeding consultations and support for both inpatients and outpatients in the Rochester region. We are also poised for the opening of the multidisciplinary Adult Continence Center at Red Creek 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. Similarly, a multidisciplinary program in pelvic and vulvar pain is planned for Lattimore Road.

On the regional front, Maternal Fetal Medicine is expanding its coverage of OB/Gyn ultrasound to several additional hospitals in Central and Western New York including Dansville and Auburn. In addition, we are beginning to provide telemedicine services in Maternal Fetal Medicine, Reproductive Endocrinology, Gynecology, Gynecologic Oncology and Urogynecology to allow patients throughout the region to have better access to University services in their own home towns.

I am proud to lead such a caring and accomplished department and look forward to all we will do together in the coming years.

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.

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.

Joseph J. Scibetta, M.D.

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

James R. Woods, Jr. Professor

Loralei L. Thornburg, M.D.

Professor Emeritus

Marvin S. Amstey, M.D.

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

Constantino Fernandez, M.D. (effective 6/1/16)

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

Henry M. Hess, M.D., Ph.D. (effective 1/1/17)

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

Emily S. Barrett, Ph.D. (promotion effective 7/1/16)
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.
Monique Ho, M.D. (effective 1/17/2017)
Shawn P. Murphy, Ph.D.
Katrina F. Nicandri, M.D. (promotion effective 7/1/16)
Tulin Ozcan, M.D. (terminated 11/12/15)
Colby A.H. Previte, M.D. (promotion effective 8/1/16)
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.

Adjunct Associate Professor

Emily S. Barrett, Ph.D. (change in appointment effective 10/10/16)
Carmen Milagros Velez Vega, Ph.D., M.S.W. (appointment effective 8/1/16)

Assistant Professor

Amy R. Benjamin, M.D.
Kristen E. Burhans, M.D. (appointment effective 9/1/15)
Jorge F. Carrillo, M.D.
Paula J. Doyle, M.D.
Kathryn J. Drennan, M.D. (effective 1/9/2017)
Dzhamala Gilmandyar, M.D.
Lisa M. Gray, M.D. (promotion effective 8/1/15)
Amy R. Harrington, M.D.
Marwa Ibrahim, M.D. (appointment effective 11/1/15)
Mitchell A. Linder, M.D. (appointment effective 6/1/16)
Lioudmila V. Lipetskaia, M.D.
Mary Ma, M.D. (appointment effective 8/1/16)
Amol K. Malshe, M.D. (appointment effective 10/1/16)
Erin M. Masaba, M.D. (appointment effective 7/1/16)
Jaclyn E. Morrison, M.D. (appointment effective 7/1/15)
Jacqueline T. Nasso, C.N.M., M.S.
Brittany M. Paivanas, M.D.
Sraddha S. Prativadi, M.D.
Neil S. Seligman, M.D.
Rebecca L. Skovgaard, C.N.M., M.S.
Sajeena G. Thomas, M.D.

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

Kyu Kwang Kim, Ph.D. (appointment effective 1/1/16)
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.

Instructor

Elizabeth A. Fountaine, M.D. (appointment effective 8/1/16)
Ivelisse Rivera, M.D. (appointment effective 8/1/16)

Adjunct Instructor

Arthur M. Dee, M.S.

Fellow

Stephen J. Bacak, D.O., M.P.H. (terminated 6/30/16)
Amy F. Collins, M.D. (terminated 6/30/16)
Toy Gee (Annie) Lee, M.D. (appointment effective 7/1/15)
Heather M. Link, M.D. (appointment effective 7/1/16)
Yolianne A. Lozada Capriles, M.D. (appointment effective 7/1/16)
Tara A. Lynch, M.D. (appointment effective 7/1/16)
Lauren A. Miller, M.D., M.P.H. (appointment effective 7/1/15)
Courtney Olson-Chen, M.D.
Smitha Vilasagar, M.D. (terminated 6/30/16)

Senior Associate

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

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.
Shrenik Shah, M.S. (appointment effective 1/1/16)
Helene M. Thompson-Scott, C.N.M., M.S.
Jo A. Wrona, C.N.M., M.S.

Clinical Associate

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. (effective 8/1/15)
Megan Hogan-Roy, C.N.M., M.S. (appointment effective 11/1/16)
Stephanie C. Laniewski, M.S.
Caitlin Phillips LeGros, C.N.M., M.S.
Laura A. Martin, M.S. (transferred to Genetics 9/3/16)
Melinda A.S. Pisaro, C.N.M., M.S.
Julana M. Spaulding, B.S.N., M.N., C.N.M. (effective 1/1/2017)
Jenney A. Stringer, C.N.M., M.S.

FULL-TIME FACULTY WITH SECONDARY APPOINTMENT IN OBSTETRICS AND GYNECOLOGY

Cabiria M. Barbosu, Ph.D. (appointment effective 10/1/16)
Staff Scientist and Instructor, 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.
Assistant Professor Pediatrics (Adolescent) and Obstetrics and Gynecology

Kathleen D. Holt, Ph.D. (appointment effective 10/1/16)
Staff Scientist Clinical and Translational Science Institute and Instructor, Obstetrics and Gynecology

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

Dongmei Li, Ph.D. (appointment effective 11/1/16)
Associate Professor of Clinical and Translational Science Institute and Obstetrics and Gynecology

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

Melissa A. Mroz, M.D.

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

Casey B. Rosen-Carole, M.D., M.P.H. (appointment effective 8/7/16)

Assistant Professor Pediatrics (Neonatology) and Obstetrics and Gynecology

Gareth J.W. Warren, M.S. MSc (appointment effective 10/1/16)

Assistant Professor of Urology and Obstetrics and Gynecology

Miriam T. Weber, Ph.D.

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.

Clinical Professor Emeritus

W. Patrick Bernal, M.D.

Richard E. Fullerton, M.D.

Peter L. Kogut, M.D.

Robert A. Stookey, M.D.

Elizabeth D. Warner, M.D.

Clinical Associate Professor

Diane M. Cunningham, M.D.

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.

Deborah M. Rib, M.D.

Clinical Assistant Professor

Mary E. Ciranni-Callon, D.O.
Nancy E. McKnight, M.D.
Julie C. Sandruck, M.D.
Marit B. Sheffield, M.D.

Clinical Senior Instructor

Beth M. Cerrito, Ph.D.

Clinical Instructor

Corrie P. Anderson, D.O. (appointment effective 7/10/2016)
Melissa A. Gunter, 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.
Mark S. Levine, M.D. (effective 7/1/16)
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.
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.
Emily Thompson Carrillo, M.D. (change in appointment effective 7/22/16)
Joan W. Chisholm, M.D. (terminated 5/23/16)

Jane K. Doebelin, M.D.
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.
Elizabeth D. Morningstar, M.D.
Marcy C. Mulconry, M.D.
Edward B. Ogden, M.D.
Roger M. Olander, M.D. (terminated 6/30/16)
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

Rehan B. Asif, M.D.
Julius Avorkliyah, M.D. (terminated 6/30/16)
Anna Barbi, D.O. (appointment effective 8/1/16)
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. (appointment effective 8/1/15)
Miranda Harris-Glocker, M.D.
Kelly A. Herron, M.D.
Michelle M. Herron, M.D.
Hal dipur V. Janardhan, M.D.
Judith E. Kerpelman, M.D.
M. Jamil Mroueh, M.D.
M. Raymond Naassana, M.D.
Johann Piquion Joseph, M.D., M.P.H.
Kathleen Robischon, M.D.
Gustave T. Ruckert, D.O. (appointment effective 8/1/16)
Maureen R. Slattery, M.D.
Amy E. Smith, M.D. (appointment effective 6/23/16)
Katherine Stouter Lammers, M.D.
Samuel E. Tripp, M.D.
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.
Sandra A. Houle, C.N.M., M.S. (appointment effective 5/1/16)
Mary Jo Spallina, C.N.M., M.S. (appointment effective 5/1/16)

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

Snigdha Alur, MD
REI Fellowship
University of Pennsylvania
Penn Fertility Care, Dept. Ob/Gyn
3701 Market St. Suite 800
Philadelphia, PA 19104

Laura Melcher, MD
Health Partners – St. Paul Clinic
215 S. Wabasha Street
St. Paul, MN 55107
952-967-5584

Raksha Soora, MD
MUSC
96 Jonathon W Street
Charleston, SC 29425

Corrie Anderson, DO, MS
RGOA
125 White Spruce Blvd., Suite 600
South View Commons
Rochester, NY 14623
585-461-5940

Chinedu Nwaboubi, MD, MS
MFM Fellowship
University of South Florida
Dept. of Ob/Gyn
2 Tampa General Circle ST C 6th Floor
Tampa, FL 33606

Megan Locher, MD
Columbia Women's Clinic
Providence Medical Group
9427 SW Barnes Road, #395
Portland, OR 97225
503-216-2602

Amy Nosek Smith, MD
Women Gynecology & Childbirth
Associates
1815 S. Clinton Avenue, Suite 610
Rochester, NY 14618
585-244-3430

PGY4 (2016/2017)

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

PGY3 (2016/2017)

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

PGY2 (2016/2017)

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

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

Marika Toscano, MD
Phoebe Whalen, MD

INTERNS (2016/2017)

Jillian Dodge, DO
Matthew Gevelinger, MD
Katrina Heyrana, MD, PhD

Danielle Krueger, MD
Rachel O'Connell, MD
Erin Scott, MD, PhD

Arti Ajmani Taggar, MD, MPH
Elizabeth Whinston, MD, PhD

FACULTY ACTIVITIES

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2015 - June 30, 2016

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
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

Emily S. Barrett, Ph.D.

Community:

1. Board of Directors, Healthy Baby Network, Rochester, NY

Editorial Boards:

1. Fertility and Sterility
2. Hormones and Behavior

Amy R. Benjamin, M.D.

Hospital and Medical School:

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

National:

1. Program Committee, International Pelvic Pain Society
 - a. CME Committee Chair
 - b. Roundtable committee

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

Hospital and Medical School:

1. Medical School Admissions Committee- review/interview medical school applicants
2. Medical Staff Council, University of Rochester -Approve hospital-wide policies
3. Member, Junior Women's Faculty Group, University of Rochester
4. Patient Family Centered Care, University of Rochester

National:

1. Reviewer, Contraception, Official Journal of Association of Reproductive Present Health Professionals and Society of Family Planning

Bala Bhagavath, M.D.

Hospital and Medical School:

1. Liaison Committee on Medical Education (LCME)
2. Simulation Steering Committee
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. Essentials in Minimally Invasive Gynecology Committee, AAGL-
6. EMIG Skills Team, AAGL
7. Special Interest Group on Reproductive Surgery/Endometriosis, AAGL
8. Special Interest Group on Robotics, AAGL
9. CGE Committee
10. COEMIG Standards Committee
11. ACOG RUC Team Member
12. Coding Committee, AAGL
13. Fellowship Education Committee, FMIGS
14. Curriculum Standardization Committee, FMIGS
15. EMIG Cognitive Exam Review Committee, AAGL
16. Editorial Boards:
 - a. Newsletter Society of Reproductive Surgeons
 - b. Obstetrics and Gynecology
 - c. Fertility and Sterility
 - d. American Journal of Obstetrics and Gynecology
 - e. Journal of Minimally Invasive Gynecology
 - f. NAMS Menopause Care Updates

Adrienne D. Bonham, M.D.

Hospital and Medical School:

1. Perioperative Services Committee
2. Quality Assurance Council
3. OB Quality Assurance Committee
4. OB Clinical Council
5. Medical Faculty Council
6. Unit Based Performance Program, Birth Center
7. University of Rochester Medical Center Committee on Diversity
8. Perioperative ICARE Guiding Coalition
9. Complications Integration Team, Strong Memorial Hospital

10. OB/GYN Residency Competency Committee
11. Advisory Committee on Education
12. Ob/Gyn Resident Selection Committee

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

Hospital and Medical School:

1. Ad hoc faculty promotion committees
2. MEDSAC Steering Committee
3. Strong Memorial Hospital Robotic Surgery Committee
4. Department Leadership Committee

Kristen E. Burhans, M.D.

Hospital and Medical School:

1. Simulation Steering Committee
2. Clinical Competency Committee
3. Advisory Committee on Education

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

Hospital and Medical School:

1. Medical Staff Credentials Committee
2. Highland Hospital Breastfeeding Committee
3. Division scheduler
4. L&D Service Team at SMH
5. UR Medicine Breastfeeding Team member
6. Centering Steering Committee (Midwifery)

Paula J. Doyle, M.D.

Hospital and Medical School:

1. Research Subject Review Board
2. Clinical Competency Committee for Urogynecology
3. Annual Urogynecology Fellowship Evaluation Committee

National:

1. Society of Gynecologic Surgeons Systematic Review Group

Brent DuBeshter, M.D.

Hospital and Medical School:

1. Cancer Center Clinical Advisory Committee
2. Cancer Center Oncology Therapeutics Committee James P Wilmot Cancer Center
3. Quality Assurance Highland Hospital

National:

1. Taskforce on Coding and Reimbursement, Society of Gynecologic Oncology
2. 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. Accountable Health Partners Specialist Advisory Committee Meeting
2. Promotions Committee Evaluator Small group evaluation of promotion applications for URM faculty.
3. Graduate Medical Education Subcommittee for Program Review
4. Graduate Medical Education Committee
5. OB-GYN Clinical Competence Committee.
6. Urogynecology Clinical Competence Committee.
7. OB-GYN Education & Nursing Liaison Committee Quarterly meeting
8. OB-GYN Simulation Steering Committee.
9. OB-GYN Safety Rounds Committee.
10. Departmental Leadership Committee
11. Chair, Advisory Committee on OB-GYN Education (ACE)

Timothy De Ver Dye, Ph.D.

Hospital and Medical School:

1. Strategic Leadership Group, Clinical and Translational Science Institute
2. CTSI Operations Committee
3. Committee on International Travel, Health, & Safety
4. Academic IT Advisory Committee
5. Enterprise Clinical Steering (ECS) Committee
6. Population Health Analytics Committee

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. Steering Committee Member, Institute for Data Science
4. Editorial Boards:
 - a. Editor-in-Chief, Maternal and Child Health Journal
 - b. Editorial Board, Data Science Journal

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

Hospital and Medical School:

1. Patient Safety and Risk Management Committee
2. Interviewer, Medical School Admission
3. Perinatal Morbidity and Mortality Committee
4. Prenatal Diagnosis 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 Perifacts

Dzhamala Gilmandyar, M.D.

Hospital and Medical School:

1. Prenatal Diagnosis Committee.
2. SMH Perinatal Morbidity and Mortality Committee.

Lisa M. Gray, M.D.

Hospital and Medical School:

1. DSRIP (Delivery System Reform Incentive Payment) Maternal/Child Health Project. Interdisciplinary team charged with developing and championing a plan for UR Medicine to address the DSRIP outcome measures in maternal/child health.
2. Prenatal Diagnosis Committee.
3. SMH Perinatal Morbidity and Mortality Committee.

Diane M. Hartmann, M.D.

Hospital and Medical School:

1. Chair Graduate Medical Education Committee

National:

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

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

National:

1. Membership Committee and Past Chairman North American Menopause Society
2. Committee Chair for 2016 St. John Fisher College, Wegmans School of Pharmacy

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

Hospital and Medical School:

1. Medical Faculty Council
2. Human Stem Cell Research Oversight Committee
3. Advisory Committee on Education
4. MEDSAC Steering Committee for Faculty Promotion and Tenure

National/International:

1. Consultant for the US Food and Drug Administration (FDA) Bone, Reproductive and Urologic Drugs Advisory Committee (BRUDAC)
2. Endocrine society Clinical practice guidelines committee for PCOS
3. 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

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

Hospital and Medical School:

1. Highland Hospital Family Maternity Center Clinical Service Quality Committee
2. Student Coordinator for Midwifery Division

Stephanie C. Laniewski, M.S.

Hospital and Medical School:

1. Prenatal Diagnosis Committee

Vivian Lewis, M.D.

Hospital and Medical School:

1. Chair, Mentor development committee in the Research Education, Training and Career Development key function, The University of Rochester's Clinical Translational Science Institute- 5 UL1 TR000042-10 (PIs: Kieburz, K/Bennett N/Zand M), NIH/National Center for Research Resources.

National/International:

1. External Advisory Board Member for Rochester Institute of Technology's National Science Foundation institutional transformation grant (ADVANCE)
2. Diversity Task Force Member, Eunice Kennedy Shriver National Institute of Child Health and Human Development
3. Oversight Committee, Rochester bridges to the doctorate for deaf and hard of hearing students (GM107739-01). This is an education and training grant to increase opportunities for deaf and hard of hearing students to earn advanced degrees in biomedical sciences. (PI- Simpson-Haidaris, Patricia J)
4. *Quality Improvement Committee, Hedwig van Ameringen* Executive Leadership in Academic Medicine (ELAM) for senior women faculty at Drexel University College of medicine.
5. Chair, Advisory Committee on bone, reproductive and urologic drugs for Food and Drug Administration

Lioudmila V. Lipetskaia, M.D.

Hospital and Medical School:

1. SMH robotic surgery steering committee

Lauren A. Miller, M.D., M.P.H.

National:

1. ACOG District II Junior Fellow Vice Chair, October 2015-October 2016
2. ACOG District II Junior Fellow Chair, October 2016 – October 2017

Richard K. Miller, Ph.D.

Hospital and Medical School

1. Director, MotherToBaby UR Medicine; (New York, Pennsylvania, New Jersey State Teratology Information Service)
2. Interviewer, School of Medicine, Medical School Applicants
3. Co-Director, Finger Lakes Children's Environmental Health Center (New York State Center of Excellence for 15 New York Counties)

National/International

1. Chair, International Committee on Research - European Network of Teratology Information Services and the Organization of Teratology Information Services.
2. OTIS Research Committee
3. Scientific Review Board, National Institutes of Health - TERIS, Teratology Information Computer System
4. Organization of Teratology information Specialists (OTIS) Member Scientific Review Board
5. Organization of Teratology information Services (OTIS) Member Committee on Occupational Exposures
6. OTIS-HRSA Lead and Pregnancy Committee
7. Scientific Advisory Board, US National Ribavirin Pregnancy Registry
8. Scientific Advisory Board, US National MotHER Pregnancy Registry
9. Scientific Advisory Board, International Belimumab Pregnancy Registry
10. Editorial Boards:
 - a. Trophoblast Research
 - b. Journal of Pregnancy

Richard G. Moore, M.D.

Hospital and Medical School

1. Chair: Gynecology service line committee, Wilmot Cancer Institute / University of Rochester Medical Center

Jaclyn E. Morrison, M.D.

Hospital and Medical School

1. LEAD Leadership Development

Katrina F. Nicandri, M.D.

Hospital and Medical School

1. Working Group for Persons' with Disabilities
2. Minimally Invasive Gynecology Surgery
3. MCIC Delivery of the Obstetrics and Gynecology Chair Report - Review MCIC cases as part of the QA review process
4. Residency Competency Committee
5. Junior Obstetrics and Gynecology Faculty Group
6. Chair, Gynecology Quality Assurance
7. Quality Assurance Counsel Department of Obstetrics and Gynecology

National/International

1. ACOG District II LARC Task Force -Educate Providers and Patients in ACOG District II about LARC -Decrease Barriers to LARC both in the immediate post-partum period and to all women seeking contraception - 6/2016-Present

Eva K. Pressman, M.D.

Hospital and Medical School

1. UR Medical Center Board
2. Medical Executive Committee
3. Clinical Council
4. Quality Assurance Council
5. OB Service Team
6. ACE Education Committee

National/International

1. ACOG Committee on Ethics
2. The Pregnancy Foundation Website Committee
3. ACOG Ethics Document Review Committee
4. SMFM Publications Committee

Colby A. H. Previte, M.D.

Hospital and Medical School

1. Highland Hospital Medical House Staff Leadership. Elected to serve as Medical House Staff leadership, starting January 1, 2016, for a term that includes two years in each the

- following roles in sequence: Treasurer, Vice-President, President, and Immediate Past President (serving as a member of the Highland Hospital Board of Trustees).
2. Highland Hospital, Highland Women's Health (HWH) at Culver Road Leadership Meetings. Medical Director of HWH at Culver Road member at monthly interdisciplinary leadership meetings with other team members, including Practice Manager, Nurse Leader, and Director of University Midwifery Group.
 3. UPMC, Instruction Committee Member.
 4. UPMC, Third Year/Fourth Year Core Instruction Committee Member
 5. UPMC Department of Obstetrics and Gynecology, OB/GYN Residency Competency Committee.
 6. UPMC, Highland Hospital Department of OB/GYN, Highland Women's Health at Culver Road Leadership Committee.
 7. UPMC, OB/GYN Residency, Highland Women's Health at Culver Road Community OB/GYN resident meetings.
 8. UPMC, Department of OB/GYN |Advisory Committee on Education, Executive Committee
 9. UPMC, Department of OB/GYN |Advisory Committee on Education, General Committee
 10. UPMC, Department of OB/GYN, Education Committee
 11. UPMC, Department of OB/GYN Leadership Committee

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

Hospital and Medical School

1. Medical Student Education Committee
2. URFMG Contracting Committee

National/International

1. Panel of Experts, ICD-11 Task Force, World Health Organization. Geneva, Switzerland. 2010-present.
2. Medical Advisory Board, Jones Institute for Reproductive Medicine, Norfolk, VA Member, CPT Advisory Committee, American Medical Association, Chicago, IL.
3. Chairman, CPT/Coding Committee, American Society for Reproductive Medicine, Birmingham, AL.
4. Subspecialty Liaison, CPT/Coding Committee, American College of Obstetrics and Gynecology, Washington DC.
5. ACOG Communications Committee, ACOG District II
6. Member, Communications Committee, ACOG District 2, Albany, NY.
7. Mentorship program. ACOG. Washington DC
8. 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., M.B.A.

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 James 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. Resident Advancement Committee
2. Director of Labor and Delivery 3-1400
3. Acting Director of Reproductive Genetics
4. Director of Prenatal Diagnosis Conference
5. Obstetrics Quality Assurance Workgroup Chair
6. Obstetrics and Gynecology Council
7. Perinatal Morbidity and Mortality Committee

David E. Seubert, M.D., J.D.

Hospital and Medical School

1. Compliance Liaison Committee
2. Prenatal Diagnosis Committee.
3. SMH Perinatal Morbidity and Mortality Committee.

National/International

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

Rakesh K. Singh, Ph.D.

Hospital and Medical School:

1. Gynecologic Oncology Serviceline Committee

National/International:

1. Editorial Board: Scientific Report (Nature)

Rajesh K. Srivastava, Ph.D.

National/International:

1. ASRM Abstract Review Committee

Christopher J. Stodgell, Ph.D.

Hospital and Medical School:

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

National/International:

1. Treasurer, Teratology Society
2. Chair, Congressionally Directed Medical Research Program, Autism Research Panel
3. Chair, Teratology Society Education Committee
4. Teratology Education Committee
5. Congressionally Directed Medical Research Program, Autism Research Panel Member

Sajeena G. Thomas, M.D.

Hospital and Medical School:

1. Residency Clinical Competence Committee
2. Wilmot Gynecologic Oncology Service Line

3. Quality Assurance Highland Hospital

Loralei L. Thornburg, M.D.

Hospital and Medical School:

1. Executive Committee Member, Academic Research Tract (ART)
2. Director of Thursday Perinatal Fellows Education & Research Seminar
3. Director, Obstetrical Educational Simulation
4. Education Committee, MFM Fellowship Program
5. Medical Associate Editor, Peri-FACTS. Editor of the new Peri-FACTS textbook, 2012. Contributor to Peri-FACTS and to Peri-FACTS clinical quandaries series
6. Creation of obstetrical skills simulation program Due to a need for competency based skills testing
7. QA committee liaison
8. Prenatal Diagnosis Committee
9. SMH Perinatal Morbidity and Mortality Committee

National/International:

1. Society of Maternal Fetal Medicine Member, External Communications Committee, 2/2015-present: Member, Education Committee, 2012-present: Committee to develop and evaluate educational content of the SMFM website and engagement of MFM fellows. Member, M in MFM Committee, 2012-present: Group to develop and teach maternal critical care for MFM fellows and members. Content Co-Chair M in MFM course: 2013-Present. Critical Care in Obstetrics: An innovative and integrated model for learning the essentials. First course to be offered November 2014. Member, Literature Review Committee, 2012-present: Committee to review recent journals to compile list of relevant abstracts for membership.
2. Perinatal Quality Foundation Board Member 2/2014- Present Committee assignments: - Research and Innovation Committee. 2010-present: Committee to develop research related to the Nuchal Translucency Quality Review (NTQR) data and evaluation of project requests from outside researchers using that data. -Education Committee, 2012-present: Committee to develop educational projects, including creation and development of a first trimester ultrasound and anomaly database, with an online quiz and education related to anatomy in the first trimester.
3. 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. - 6/2010-Present
4. Steering Committee Finger Lakes Regional Perinatal Data System
5. Editorial Boards: Medical Associate Editor, Perifacts

Ellen J. Tourtelot, M.D.

Hospital and Medical School:

1. DSRIP-working on smoking cessation for pregnant patients subgroup to try and decrease low birth weight. I am also working with the pediatric subgroup exploring joint postpartum/well baby visits. I am also involved in the medical records subgroup exploring tracking mechanisms in e-record.
2. Council of the Medical Staff
3. SCOPE-Safety Certification in Outpatient Practice Excellence Application submitted, site visit done 12/2015. Approval for 5 years granted April 2016 for WHP.
4. Quality Assurance Council
5. Women's Health Practice Weekly Operations Meeting

Wendy S. Vitek, M.D.

Hospital and Medical School:

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

National/International:

1. Editorial Boards:
 - a. Ad-Hoc Reviewer: Fertility and Sterility
 - b. Human Reproduction

Natalie S. Whaley, M.D., M.P.H.

Hospital and Medical School:

1. Patient Engagement Committee
2. Accountable Health Partners Specialist Advisory Committee

National/International:

1. ACOG District 2 LARC Taskforce

Ronald W. Wood, Ph.D.

National/International:

1. Executive Board Division of Psychopharmacology and Substance Abuse, American Psychological Association

EDUCATIONAL ACTIVITIES

Cynthia L. Angel, M.D.

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

Emily S. Barrett, Ph.D.

1. PM486- Medical Ecology
2. Preceptor, 3rd year medical student debates:
“Are endocrine-disrupting chemicals causing earlier menarche in girls?”
“Does in utero health really predict adult health?”

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

1. Course Coordinator, OBG 622, Fourth Year Family Planning Elective University of Rochester
 - 8-10 students per year take this two week elective
 - Two weeks/8 hours per day Family Planning clinical instruction
 - Final oral presentation required
2. Course Coordinator, Primary Care Clerkship, ambulatory curriculum on contraception and abortion for second year medical students, University of Rochester
 - Yearly Abortion Lecture
 - Yearly Contraception lecture and coordination of small group sessions and standardized patient options counseling session (four hour total session)
3. Faculty Facilitator, Professional Development Group for Class of 2017 University of Rochester School of Medicine and Dentistry
 - Participant in URM medical school orientation and White Coat Ceremony
4. Site Coordinator, Obstetrics and Gynecology Medical Student Clerkship, University of Rochester
 - Meet with students at SMH for mid-clerkship evaluations, eight blocks of students per year
 - Give “Contraception and Vaginitis Didactic” to each block of medical students
5. Nexplanon Trainer
6. Medical Student Didactics for Third Year Medical Students-Postmenopausal Vaginal Bleeding and Menopause and Hormone Replacement Therapy
7. Mentor, Medical Students For Choice summer externship, University of Rochester
8. Planned Parenthood of the Rochester/Syracuse Region - Provide and teach Ob/Gyn residents family planning services
9. Resident Lecture Series (created original lectures)
 - Annual: Orientation to Family Planning Services (incoming interns)
Top Ten reasons the intern’s pager goes off
Values Clarification exercise
Nexplanon training certification
 - Bi-annual: Short-term Contraception Lecture/ Case Studies
Long-term Contraception

Contraception for Medically Complex Patients

10. Authored Clinical Protocols:
 - Fetal Demise Work-up Algorithm
 - Dilipan Protocol (cervical dilators used in family planning clinic)
 - Long Acting Reversible Contraception (LARC) protocol
 - Second Trimester Labor Induction protocol

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. Laparoscopy and hysteroscopy simulation course director for OB/GYN residents, Department of Obstetrics and Gynecology, University of Rochester Medical Center
3. Residency Core lecture series on Endocrinology of Pregnancy, Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies, University of Rochester Medical Center
4. Basic science lecturer/preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine, University of Rochester School of Medicine and Dentistry
5. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea, University of Rochester School of Medicine and Dentistry
6. Endocrine Core Conference Lecture Series Female Infertility; The Normal Reproductive Cycle and Amenorrhea; Menopause, University of Rochester Medical Center
7. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion, University of Rochester Medical Center
8. 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.
9. Course Faculty for SRS-SREI Boot Camp run by ASRM, Tampa FL, April 28-30, 2016.

Adrienne D. Bonham, M.D., M.S.

1. 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. 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.
3. Teaching Attending, Colposcopy Clinic. Director of the resident colposcopy and lower genital tract disorder clinic. One half day per week supervise and act as resident

- preceptor for the clinic. Teaching of colposcopy skills as well as principles of abnormal pap smear management, colposcopy, vulvovaginal pain and dermatology.
4. Fourth Year Student Successful Interning elective, Interning in Ob/Gyn.
 5. Lecturer, Resident Core Curriculum - Ambulatory Ob/Gyn series.
 6. 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, Vulvovaginal Disorders.
 7. Lecturer, Third Year Student Core Curriculum: Dysfunctional uterine bleeding, Management of menopausal symptoms.

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

1. CME Course Faculty Bath VA Clinical Conference Day on Women's Health - "Urinary Incontinence Evaluation and Treatment Options" - 10/8/2015.

Kristen E. Burhans, M.D.

1. Simulation Coordinator: Resident Simulation Skills days – organize 4 sessions annually to simulate a variety of obstetric and gynecologic skills, develop formal evaluation tool to assess competency and proficiency of a variety of skills.
2. Course Coordinator: OBG-EXT: 4th year medical student elective (sub-internship).
3. Medical Student 3rd Year Clerkship Site Coordinator for Strong Memorial Hospital – including site-coordinator didactics on vaginitis and contraception, as well as postmenopausal bleeding, menopause symptoms, hormone replacement therapy.
4. General OB/GYN Attending – provide supervision to residents in outpatient clinical setting during their continuity clinics; also provide supervision to residents on the inpatient obstetrics and gynecology services. Responsible for covering the low risk obstetrical unit, supervising resident management of labor and deliveries, as well as supervising all staff gynecology patients and coverage of ED/inpatient consultations – including teaching surgical skills during urgent surgeries and procedures on staff and unregistered patients.
5. Guest lecturer: Rochester Fire Department EMT course – Basic Obstetrics, Obstetric Complications, Gynecologic Emergencies.
6. Lecturer, Resident Core Curriculum: Ambulatory CREOG review, Transitioning from Resident to Attending.
7. Lecturer/Proctor: Second year medical student didactic and simulation of routine vaginal delivery; preceptor for breast and pelvic examinations.
8. Proctor: Fourth year medical student simulation session as part of the Successful Interning Elective Course.
9. Course Co-coordinator: AAP District Education Grant awarded to develop a joint OB/GYN and NICU sponsored First Responders Conference to familiarize regional first responders on infant delivery and stabilization.
10. MCIC Physician Simulation Champion: Develop simulation scenarios for interdisciplinary team including OB/GYN and NICU nursing, faculty and residents. Participate in facilitation discussion of teamwork and communication skills as well as act as clinical content expert.

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.
3. Disease Processes and Therapeutics: Introduction to pelvic organ prolapse and urinary incontinence. Annual course for 2nd year medical students.
4. OB-GYN Medical Student Clerkship Lecture Series: Pelvic Floor & Vulvar Disorders. Present as problem-based learning activity throughout the year as students rotate through their clerkships.
5. OB/GYN Resident Simulation: Taught TVT techniques and 4th degree laceration repairs.

Brent DuBeshter, M.D.

1. Annual CREOG Review
2. Medical student clerkship didactics
3. Primary care clerkship lecture on gynecologic cancers

Erin E. Duecy, M.D.

1. URMC 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.
2. 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.
3. 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.
4. 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.
5. Pelvic Floor Disorders: Clinical experience for Family Medicine residents. Created curriculum and provide teaching & mentorship during longitudinal office experience.
6. Urogynecology Rotation for OB-GYN Residents: Created curriculum, provide on-on-one teaching sessions, final exam, Blackboard content, etc.
7. 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.

8. Faculty Facilitator, Outpatient Urogynecology Rotation for Family Medicine Residents * Development of curriculum and teaching plan.
9. Faculty Facilitator, Outpatient Urogynecology Rotation for Urology Residents * Development of curriculum & teaching plan. *Trial rotations have resulted in development of a formal rotation for senior Urology residents.
10. 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.
11. 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.
12. 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. *Have acted as accessory faculty advisor on several resident research projects resulting in successful presentation at Resident Research Day, national presentation, and publication.
13. 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.
14. 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.
15. 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.

Timothy De Ver Dye, Ph.D.

1. Courses Taught:
PM 486 Medical Ecology
PM 403 Team Science Seminar
PM 402 Human Biology in Health Research
PM 400 Data Science Practicum
2. Director, Graduate Certificate in Biomedical Data Science
3. Principal Investigator, UR CTSI Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training (TL1)

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

1. Involvement with medical student and resident training as well as precepting various Nurse Midwifery and Nurse Practitioner students in my current practice.

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

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

Amy R. Harrington, M.D.

1. Obstetrics and Gynecology Simulation Course: IUD and Implant knowledge and procedural evaluation, Dilation and Evacuation Skills, Essure Skills and Informational training, Postpartum Hemorrhage Management, Bakri and B-Lynch Skills, Dilation and Evacuation Skills, Dilation and Evacuation knowledge and procedural evaluation, Mock Oral Board – Ectopic/PID, Dilation and Evacuation Skills.
2. Successful Interning Elective Women's Reproductive Health Fourth year medical student elective.
3. Patient Education, Obstetrics & Gynecology, University of Rochester School of Medicine. Created comprehensive evidenced based, up to date patient information sheets on all forms of contraception-reversible and permanent. Facilitated Group Prenatal Contraception education sessions. Collaborated to create a Postpartum Birth Control Pamphlet for Strong Obstetrics service.
4. Women's Health Practice Staff Family Planning & Contraception in-service.
5. Course Co-Coordinator, OBG 622, Fourth Year Family Planning Elective, University of Rochester. 8-10 students per year take this two week elective. Two weeks/8 hours per day Family Planning clinical instruction. Final oral presentation required.
6. Medical student didactics: Postmenopausal Bleeding, Menopause, Hormone Replacement Therapy, Antenatal and Intra-partum Fetal Assessment, Contraception and Vaginitis, Vaginal Bleeding in Early Pregnancy.
7. Resident Ambulatory Curriculum Responsible for creating a 2 year cycle of topics and articles covering CREOG topics to review during resident weekly continuity clinics.
8. Preceptor for second year medical student teaching including: Medical student breast and pelvic examination teaching Primary Care Clerkship Contraceptive sessions.
9. 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). Creation of family planning resource website at URM (www.urmc.rochester.edu/ob-gyn/family-planning.aspx). Creation and implementation of a Postpartum LARC protocol -Creation of up-to-date evidence based contraception handouts for Women's Health Practice.
10. Small Group Facilitator, Primary Care Clerkship, ambulatory curriculum on contraception and abortion for second year medical students, University of Rochester. Facilitate small group sessions and standardized patient options counseling session. Proctor and teach breast and pelvic examinations with volunteer patients.

11. Family Planning Attending: Daily bedside/operating room teaching with residents and students. Weekly journal club at Planned Parenthood and review of Ryan residency training curriculum. Mentor multiple family planning resident research projects (see research section).
12. General Obstetrics and Gynecology Attending: Precept in resident continuity clinic two-four days per month. Review weekly ambulatory journal club article with residents. Attend on resident continuity cases going to the operating room.
13. Faculty Advisor, Medical Students For Choice, University of Rochester Chapter: Organize and facilitate yearly Papaya workshops for medical students. Organize and facilitate yearly LARC (long-acting reversible contraception) workshops for medical students. Facilitate yearly Abortion Policy & Politics session. Facilitate shadowing opportunities. Participate in yearly Reproductive Rights Panel.
14. Participate in Teaching Rounds/ Service attending for low risk obstetrics service and gynecology service. Ten weeks per year. Daily gyn rounds at 7AM. Precept presentations by residents and students. Daily bedside rounds for obstetrics and gynecology services Staff ED consults.

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

1. Lectures at St. John Fisher College: Wine and Health; Integrative Medicine; Menopause; Collaboration in health care; Herbs and Alternative Medicine

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

1. Residency Core lecture series on Primary Amenorrhea; Galactorrhea; PCOS; 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-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion, University of Rochester Medical Center.

Kyu Kwang Kim, Ph.D.

1. Co-mentored The summer program by Strong Children's Research Center, which resulted in a poster presentation of Jennifer Rutishauser (a undergraduate student of Fordham University) and Aaron Jones (a undergraduate student of University of Rochester) titled "Discovery of Compound A: A MEK Inhibitor for Treatment of Clear Cell Ovarian Carcinoma"

Stephanie C. Laniewski, M.S.

1. MFM Fellow Rotation
2. Ob Resident Simulation Day
3. Lectures:

- a. “Soft Markers Update” MFM division
- b. “Soft Markers Update, Part 2” MFM division
- c. “Multifetal & Selective Fetal Reduction” RGH sonographers/staff
- d. “Multifetal & Selective Fetal Reduction” URMC sonographers
- e. “Complex Fetal Syndromes” MFM Fellows
- f. “Microdeletion Syndromes” RGH sonographers/staff

Vivian Lewis, M.D.

1. URMC - Leading from within: exploring and enhancing choices for midcareer women in academic medicine- lecture- Mentors versus Sponsors.
2. UR Mentors - a CTSI and Provost sponsored in depth professional development program for master mentors at URMC and College of Arts and Sciences. This 4-workshop series is a university wide resource to train mentors.

Lioudmila V. Lipetskaia, M.D., M.Sc.

1. Faculty Facilitator, Outpatient Urogynecology Rotation for OB-GYN Residents. Development & implementation of formal curriculum, scheduling, and resident evaluations
2. Developing of surgical video coaching program for FPMRS fellows (on-on-one review sessions of surgical videos with providing feedback on fellows personal performance and facilitating surgical skills development)
3. Moderator for journal clubs for PFRMS fellows
4. Cadaveric pelvic anatomy lab for medical students
5. OBGYN resident simulation course for TVT and 4th degree laceration repairs

Lauren A. Miller, M.D., M.P.H.

1. Resident Simulation Day
2. Resident Didactic Lecture – Fetal Surgery
3. Resident Simulation Day
4. Medical Student FHR Orientation Lecture

Shawn P. Murphy, Ph.D.

1. One of the original faculty members for the Human Placenta Biology Workshop at Queen’s University in Kingston, Ontario, Canada, Dr. Murphy has lectured in the course for the past ten years. The course provides an intensive introduction to the biology of the human placenta, and trophoblast cells in particular, to clinicians, principal investigators, postdoctoral fellows and PhD students interested in pursuing pregnancy research. Over 190 students from thirty five countries have now completed the course. Dr. Murphy gives lectures on the molecular biology and immunology of the placenta, and the utility of the WMIF method. He also provides a laboratory demonstration on placental WMIF.

Richard K. Miller, Ph.D.

1. Instructor - Year 2 Medical Student Lectures- 1. Teratology Counseling 2. Occupational and Viral Exposures during Pregnancy
2. Year 4 - Medical Student Program Process of Discovery - Mentor for Obs/Gyn Group
3. Year 3 Medical Student Lectures - Reproductive Endocrinology Testing Teratology lecture and student presentations
4. Course Master and Instructor - Toxicology 530 Reproductive and Developmental Toxicology
5. Section Director and Instructor - Toxicology 522 - Reproductive and Developmental Section
6. Process of Discovery, 8 sessions/year, 4th Year Medical Students
7. Hormone Laboratory, 3rd year medical students (4 - 2 hour sessions per year)
8. Pharm 530/Tox 530, Reproductive and Developmental Pharmacology/Toxicology (graduate and medical students; and perinatal fellows)
9. Tox 522, Toxicology Section Head, 6 lectures and laboratories for graduate students

Richard G. Moore, M.D.

1. Basic Science Research mentor for gynecologic oncology fellows.

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

1. Women's Health Course at the SON for Family Nurse Practitioners and as part of this Dr. Previte and I held an interprofessional educational seminar for both the NP students and the third year medical students on pap smear management.

Katrina F. Nicandri, M.D.

1. Nexplanon/Implanon Trainer -Teach residents and faculty indications for use of Nexplanon. -Teach residents and faculty proper technique for Nexplanon insertion and removal.
2. 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
3. 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
4. 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
5. 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.

6. 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.
7. 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.
8. Co-Directory, 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
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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)
16. 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.
17. Lecturer, Pelvic Inflammatory Disease -University of Rochester School of Medicine - Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture -Review of diagnostic criteria, etiologies, and treatment of PID

18. 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.
19. 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.
20. 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)
21. 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.
22. 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.
23. 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.
24. 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.
25. 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
26. 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.

Eva K. Pressman, M.D.

1. 3rd Year Medical Student Chair Rounds
2. Fetal Heart Rate Monitoring Introduction for 3rd Year Medical Students
3. Resident and Fellow OB Simulation

Colby A.H. Previte, M.D.

1. Coordinate the “Women’s Health” portion of the Primary Care Clerkship course in the URSMD second year.
2. URSMD Third Year OB/GYN Clerkship.
3. Site Coordinator for URSMD Third Year OB/GYN Clerkship at Highland Hospital
4. RIT OB/GYN Clerkship at University of Rochester Site (Highland Hospital)

5. Rochester General Hospital, OB/GYN Residency Program, Rochester, NY. Lecturer, "Teaching Medical Students," a didactic reviewing adult learner education theory, learning objectives for the third year OB/GYN clerkship, and trouble-shooting of teaching struggles residents have encountered. Updated yearly to review changes in medical school curriculum, and to include direct examples provided by resident physicians of their own teaching struggles in the preceding academic year.
6. Rochester General Hospital, OB/GYN Residency Program, Rochester, NY. Lecturer, "Teaching Medical Students," a didactic reviewing adult learner education theory, learning objectives for the third year OB/GYN clerkship, and trouble-shooting of teaching struggles residents have encountered. Updated based upon direct examples provided by resident physicians of their own teaching struggles.
7. University of Rochester Medical Center, Department of OB/GYN, Lecturer, "Residents as Teachers," OB/GYN residency intern orientation. Annual interactive session reviewing URSMD third year medical student learning objectives, education theory, teaching responsibilities and resources, and trouble-shooting exercises for residents addressing teaching, learning, and feedback.
8. University of Rochester, Highland Women's Health Lunch and Lecture Series, Consulting Physician. Role includes partnering with Jacqueline Nasso, CNM, to determine medical topics, assist in finding presenters, and provider clinical consultation for didactic series addressing pertinent clinical diagnoses, and their ambulatory management, including the roles of office administrators, nursing, and providers in facilitating team-based care.
9. 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.
10. 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).
11. 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).
12. 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).
13. University of Rochester School of Medicine and Dentistry, Rochester, NY, First Year Medical Student Lecture/Lab, Primary Care Clerkship Course, Male/Female Genitourinary Integration Conference, "The Female Genitourinary Examination" and accompanying skills lab.
14. University of Rochester Medical Center, Department of OB/GYN Lecturer, "Clinical Anatomy Review," twice quarterly lecture, OB/GYN clerkship orientation.
15. University of Rochester, Department of OB/GYN, Rochester, NY Instructor, Female breast and pelvic examination, performed on standardized patients, taught to second year students as part of Primary Care Clerkship course.

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

1. OBG 620: Reproductive Endocrinology and Infertility. URM

2. Lecturer: Molecules to Cells. URM
3. Contract Committee, University of Rochester Medical Faculty Group
4. Medical Advisory Council, Milstein Medical Asian American Partnership Foundation.
5. Postgraduate Course Chair and Speaker, "CPT Coding for Reproductive Endocrinology Practices", 71st Annual Clinical Meeting, American Society for Reproductive Medicine, Baltimore, MD, October 18-22, 2015.
6. Course Faculty, SREI Fellows Retreat, Park City, Utah August 1-4, 2015.
7. Course Faculty, ACOG CPT Coding Course, Seattle WA, June 25-28, 2015
8. Lecturer, Gender Affirmation Surgery. Ob/Gyn Student Interest Group. University of Rochester Medical Center, Rochester, NY May 1, 2015.
9. Member, Panel of Experts, ICD-11 Task Force, World Health Organization. Geneva, Switzerland.
10. Mentor, ACOG Mentor Program.
11. Clerkship Director, Obstetrics and Gynecology 620: Reproductive Endocrinology, University of Rochester Medical Center, Rochester, NY
12. Faculty Advisor, Ob/Gyn Student Interest Group, University of Rochester Medical Center, Rochester, NY, 2002-present.
13. Lecturer. Reproduction Section. Disease Processes and Therapeutics 2. URM.
14. Lecturer. Basic Science Course: Fertilization and Human Embryo Implantation. From Genes to Generations. Double Helix Curriculum, URM.
15. Lecturer, ACE Clerkship Curriculum. Department of Obstetrics and Gynecology, URM.
16. Lecturer: Molecules to Cells, University of Rochester Medical Center, Rochester, NY.
17. Residency Core lecture series on Endocrinology of Pregnancy; Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies, University of Rochester Medical Center
18. Basic science lecturer/preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine, University of Rochester School of Medicine and Dentistry
19. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea, University of Rochester School of Medicine and Dentistry
20. Endocrine Core Conference Lecture Series Female Infertility; The Normal Reproductive Cycle and Amenorrhea; Menopause, University of Rochester Medical Center
21. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion, University of Rochester Medical Center

Joseph James Scibetta, M.D.

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

Neil S. Seligman, M.D.

1. Curricular Fellow Lectures: Renal Disease
2. Curricular Resident Lectures: Renal Disease
3. Curricular Fellow Lectures: Stillbirth
4. Curricular Resident Fetal Heart Tracing Rounds

Shrenik Shah, M.D.

1. Demonstration of various IVF technique with basic biology explanations to the students.

Rakesh K. Singh, Ph.D.

1. PhD thesis examiner. Mentored and performed the role of thesis defense examiner of graduate student (Yifei Wang), registered with the Rutgers University.
2. Mentored Dr. Evelyn Cantillo MD, Gynecologic Oncology Medical Fellow in basic science component of her fellowship training at Women and Infants Hospital of Rhode Island.
3. Currently co-mentoring graduate student Nicole Romano towards her PhD thesis at the University of Rhode Island, School of Pharmacy.
4. Currently co-mentoring Dr. Matthew Oliver MD Gynecologic Oncology Medical Fellow in basic science component of his fellowship training at Women and Infants Hospital of Rhode Island.

Rajesh K. Srivastava, Ph.D.

1. IVF review Course to third year medical students at URMC.
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 Basic Science Section (Teratology), Lectures given quarterly.
2. Tox 522 Developmental Toxicology
3. Tox 530: Reproductive and Developmental Toxicology (Mechanisms of Gene Expression)
4. Tox 522: Organ Systems Toxicology (Developmental Gene Expression)
5. CSP 384 Research in Developmental Neuropsychology (Ethics in Reporting Data)
6. Process of Discovery, 8 sessions/year, 4th Year Medical Students

Sajeena G. Thomas, M.D.

1. Ovarian Cancer Review, 3rd year Medical Student Lecture, University of Rochester, NY
2. Tumor Board, Highland Hospital

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: Genetic screening, Multiple Gestation, Annual CREOG Review for Obstetrics, Acute obstetrical ultrasound for the ob/gyn resident, Acute evaluation of the obstetric patient, Medical complications of pregnancy, Obesity in Pregnancy, Renal disease in pregnancy, Preparing for the Oral Board examination
7. Medical Student Breast and Pelvic Teaching

Ellen J. Tourtelot, M.D.

1. Supervise Internal Medicine interns and residents in the outpatient clinic setting at Women's Health Practice. -
2. Development of ambulatory curriculum for OBGYN residents. Review various ambulatory topics with residents in continuity clinic.
3. Breast and Pelvic Exam Teaching for 2nd year medical students.
4. Medical Student 3rd Year Clerkship Group Teaching.
5. 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.
6. Osteoporosis lecture for resident teaching.

Wendy S. Vitek, M.D.

1. Women's health course, Disorders of Sexual Development and Ovulatory disorders flipped classroom. University of Rochester School of Medicine and Dentistry, Rochester, NY
2. Women's health course, Infertility and early pregnancy disorders. University of Rochester School of Medicine and Dentistry, Rochester, NY
3. Women's health course, Gynecology team based learning. University of Rochester School of Medicine and Dentistry, Rochester, NY
4. Disease process and therapeutics course, Ovulatory disorders, University of Rochester School of Medicine and Dentistry
5. Disease process and therapeutics course, Reproductive disorders, University of Rochester School of Medicine and Dentistry
6. Residency Laparoscopy and hysteroscopy simulation course instructor, University of Rochester Medical Center
7. Basic Science Lecturer/Preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine, University of Rochester School of Medicine and Dentistry
8. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea, University of Rochester School of Medicine and Dentistry
9. Residency Core lecture series on Endocrinology of Pregnancy; Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies, University of Rochester Medical Center
10. Endocrine Core Conference Lecture Series Female Infertility; The Normal Reproductive Cycle and Amenorrhea; Menopause, University of Rochester Medical Center
11. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion, University of Rochester Medical Center
12. Fertility preservation for women with hematologic disorders, Hematology/Oncology fellows conference, University of Rochester Medical Center, Rochester, NY
13. Fertility preservation for Turner Syndrome patients, Medical endocrinology fellows conference, University of Rochester Medical Center, Rochester, NY
14. Director, Women's Health Course, Second year medical student course, University of Rochester School of Medicine and Dentistry, Rochester, NY
15. Co-director, Genes to Generations Course, Third year medical student course, University of Rochester School of Medicine and Dentistry, Rochester NY

Ronald W. Wood, Ph.D.

1. Process of Discovery Course
2. Urogynecology Fellowship Program faculty participant in educational programs and research experiences since its inception

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

1. Editor in Chief Perifacts OB/GYN Academy supplying education on-line to over 12,000 nurses and physicians.

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:	Mae Stone Goode
Title:	Prenatal Androgens and PCOS
Dates:	1/1/2012 - 12/31/2016
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 - 12/31/2016
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 - 1/31/2017
Direct Funds:	\$133,879
Indirects:	\$70,662
Total Funding:	\$204,541
Principal Investigator:	Barrett, Emily S
Sponsor:	DHHS/PHS/NIH
Title:	Prenatal anxiety, androgens and sex-dependent development
Dates:	9/1/2015 - 5/31/2020
Direct Funds:	\$1,733,360
Indirects:	\$890,616
Total Funding:	\$2,623,976
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 - 12/31/2016
Direct Funds:	\$10,043
Indirects:	\$1,507
Total Funding:	\$11,550
Principal Investigator:	Betstadt, Sarah J
Sponsor:	UNIV/Washington, St. Louis
Title:	Levonorgestrel 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: \$144,834
Indirects: \$42,340
Total Funding: \$187,174

Principal Investigator: **Bhagavath, Balasubramanian**
Sponsor: Mae Stone Goode
Title: Role of Dopamine Agonists in Uterine Myoma
Dates: 2/1/2014 - 12/31/2016
Direct Funds: \$13,043
Indirects: \$1,957
Total Funding: \$15,000

Principal Investigator: **Bhagavath, Balasubramanian**
Sponsor: Halt Medical Inc.
Title: Treatment Results of Uterine Sparing Technologies (TRUST)
Dates: 4/4/2016 - 4/30/2024
Direct Funds: \$1,065,750
Indirects: \$316,005
Total Funding: \$1,381,755

Principal Investigator: **Bonham, Adrienne D**
Sponsor: Mae Stone Goode
Title: Novel therapies for the treatment of genital pain
Dates: 1/1/2013 - 12/31/2016
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 Stress Urinary Incontinence: A Case Control Study
Dates: 2/1/2005 - 12/31/2016
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 - 12/31/2016
Direct Funds: \$10,000

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

Principal Investigator: **Doyle, Paula J**
Sponsor: Mae Stone Goode
Title: Prevention of acute readiation cystitis with intravesical chondroitin sulfate
Dates: 1/1/2013 - 12/31/2016
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 - 8/31/2016
Direct Funds: \$1,500
Indirects: \$0
Total Funding: \$1,500

Principal Investigator: **Doyle, Paula J**
Sponsor: Tribute Pharmaceuticals Inc
Title: Pilot study to pursue new applications for intravesical chondroitin sulfate with the trade name Uracyst
Dates: 3/1/2016 - 2/28/2021
Direct Funds: \$0
Indirects: \$0
Total Funding: \$0

Principal Investigator: **Dye, Timothy D**
Sponsor: Health Research Inc
Title: Web Resources for Expanded HIV Testing NYS
Dates: 12/1/2015 - 12/31/2016
Direct Funds: \$95,834
Indirects: \$19,166
Total Funding: \$115,000

Principal Investigator: **Dye, Timothy D**
Sponsor: NYS/AIDS Institute
Title: Component C: Resource Center for Excellence
Dates: 12/1/2015 - 6/30/2019
Direct Funds: \$2,174,408
Indirects: \$217,438
Total Funding: \$2,391,846

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 - 12/31/2016
Direct Funds: \$66,633
Indirects: \$9,995

Total Funding: \$76,628

Principal Investigator: **Dye, Timothy D**
Sponsor: Worldwide Universities Network
Title: Data Diplomacy: Political & Social Dimensions of Data Collection & Sharing
Dates: 1/1/2015 - 12/31/2016
Direct Funds: \$15,278
Indirects: \$0
Total Funding: \$15,278

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: \$368,589
Indirects: \$17,250
Total Funding: \$385,839

Principal Investigator: **Dye, Timothy D**
Sponsor: Health Research Inc
Title: Linkage, Retention and Treatment Adherence
Dates: 12/1/2015 - 3/31/2016
Direct Funds: \$86,547
Indirects: \$8,455
Total Funding: \$95,002

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: **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 - 6/30/2016
Direct Funds: \$11,100
Indirects: \$1,665
Total Funding: \$12,765

Principal Investigator: **Foster, David C**
Sponsor: DHHS/PHS/NIH
Title: Localized vulvodinia pathogenesis: fibroblast, yeast & melanocortin
Dates: 8/1/2012 - 7/31/2017
Direct Funds: \$1,003,680
Indirects: \$543,410

Total Funding: \$1,547,090

Principal Investigator: **Glantz, John Christopher**
Sponsor: NYS/Health
Title: Regional Perinatal Center
Dates: 4/1/2014 - 3/31/2019
Direct Funds: \$1,175,309
Indirects: \$0
Total Funding: \$1,175,309

Principal Investigator: **Harrington, Amy**
Sponsor: University of Rochester Department of Obstetrics and Gynecology
Title: EQUATE – Evaluating Quantity of Antenatal Transplacental Cell Exchange
Dates: 7/1/2016 – 6/30/2017
Direct Funds: \$10,000
Indirects: \$0
Total Funding: \$10,000

Principal Investigator: **Hoeger, Kathleen M**
Sponsor: Mae Stone Goode
Title: Defining the Impact of Polycystic Ovary Syndrome on Sleep Quality and Melatonin Levels
Dates: 1/1/2016 - 12/31/2016
Direct Funds: \$13,044
Indirects: \$1,956
Total Funding: \$15,000

Principal Investigator: **Hoeger, Kathleen M**
Sponsor: UNIV/Penn State
Title: Ancillary Site for Reproductive Medicine Network
Dates: 4/1/2016 - 6/30/2016
Direct Funds: \$48,128
Indirects: \$25,749
Total Funding: \$73,877

Principal Investigator: **Lewis, Vivian**
Sponsor: Xavier University of Louisiana
Title: Xavier University Build Project "Pathways"
Dates: 12/1/2014 - 6/30/2016
Direct Funds: \$2,701
Indirects: \$548
Total Funding: \$3,249

Principal Investigator: **Miller, Lauren A**
Sponsor: Mae Stone Goode
Title: Analysis of Gadolinium in the Human Placenta in Women with Prior MRI with and without Gadolinium-based Contrast Prior to Conception
Dates: 1/1/2016 - 12/31/2016
Direct Funds: \$12,992
Indirects: \$1,948

Total Funding: \$14,940

Principal Investigator: **Miller, Lauren A**
Sponsor: University of Rochester Department of Obstetrics and Gynecology
Title: The Association between Sleep Duration, Adipocytokine & Ghrelin Levels, and Maternal Weight Gain in Pregnancy
Dates: 7/1/2016 – 6/30/2017
Direct Funds: \$6,000
Indirects: \$0
Total Funding: \$6,000

Principal Investigator: **Miller, Morton W**
Sponsor: Mae Stone Goode
Title: Hyperthermic Chemical Synergistic Teratogenicity
Dates: 2/1/2014 - 12/31/2016
Direct Funds: \$13,043
Indirects: \$1,957
Total Funding: \$15,000

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: \$109,000
Indirects: \$0
Total Funding: \$109,000

Principal Investigator: **Moore, Richard G**
Sponsor: Mae Stone Goode
Title: Determining the Role of HE4 in Immune Dysfunction in Epithelial Ovarian Cancer
Dates: 1/1/2016 - 12/31/2016
Direct Funds: \$13,030
Indirects: \$1,955
Total Funding: \$14,985

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 - 12/31/2016
Direct Funds: \$16,035
Indirects: \$2,405

Total Funding: \$18,441

Principal Investigator: **Nasso, Jacqueline Terese**
Sponsor: March of Dimes
Title: Gestational Diabetes: The Effect of a Group Prenatal Care Program on Knowledge, Empowerment and Patient Outcomes (GDGPCP)
Dates: 9/1/2015 - 4/30/2017
Direct Funds: \$2,130
Indirects: \$0
Total Funding: \$2,130

Principal Investigator: **Olson-Chen, Courtney**
Sponsor: Mae Stone Goode
Title: Lymphocytic Choriomeningitis Virus Infection of the Human Placenta across Gestation
Dates: 1/1/2016 - 12/31/2016
Direct Funds: \$13,000
Indirects: \$1,950
Total Funding: \$14,950

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 - 12/31/2016
Direct Funds: \$8,519
Indirects: \$1,278
Total Funding: \$9,797

Principal Investigator: **Seligman, Neil S**
Sponsor: Mae Stone Goode
Title: Cost Effectiveness of Cervical Length Screening Using Transvaginal Ultrasound to Prevent Preterm Birth in Women with a History of Prior Spontaneous Pr
Dates: 3/1/2014 - 12/31/2016
Direct Funds: \$9,365
Indirects: \$955
Total Funding: \$10,320

Principal Investigator: **Seligman, Neil S**
Sponsor: PreTel Inc.
Title: Clinical Efficacy of an EMG/ECG Fetal Monitor

Dates: 4/20/2016 - 4/20/2018
Direct Funds: \$5,769
Indirects: \$1,731
Total Funding: \$7,500

Principal Investigator: **Singh, Rakesh**
Sponsor: University of Rochester Department of Obstetrics and Gynecology
Title: Development of MeTC7 for the Treatment of Clear Cell Ovarian Carcinoma (CCOC)

Dates: 7/1/2016 – 6/30/2017
Direct Funds: \$10,000
Indirects: \$0
Total Funding: \$10,000

Principal Investigator: **Singh, Rakesh**
Sponsor: CTSI pilot studies award of University of Rochester
Title: MeTC7 a Novel Vitamin-D Receptor Antagonist for immunotherapy of Ovarian Cancer

Dates: 7/1/2016 – 6/30/2017
Direct Funds: \$50,000
Indirects: \$0
Total Funding: \$50,000

Principal Investigator: **Srivastava, Rajesh K**
Sponsor: Mae Stone Goode
Title: Effects of Bisphenol A and Phthalates on Human Ovarian Granulosa Cell Steroidogenesis

Dates: 3/1/2014 - 12/31/2016
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 - 12/31/2016
Direct Funds: \$26,088
Indirects: \$3,912
Total Funding: \$30,000

Principal Investigator: **Stodgell, Christopher J**
Sponsor: Mae Stone Goode
Title: Gene-Environment Interactions in Teratogen-Induced Autism

Dates: 1/1/2010 - 12/31/2016
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 - 12/31/2016
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 - 12/31/2016
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 - 6/30/2016
Direct Funds: \$165,591
Indirects: \$87,523
Total Funding: \$253,114

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 - 12/31/2016
Direct Funds: \$14,130
Indirects: \$2,119
Total Funding: \$16,249

Principal Investigator: **Tourtelot, Ellen J**
Sponsor: University of Rochester Department of Obstetrics and Gynecology
Title: Risk assessment of breakthrough varicella infection in Varicella-immunized women of childbearing age
Dates: 7/1/2016 – 6/30/2017
Direct Funds: \$9,977
Indirects: \$0
Total Funding: \$9,977

Principal Investigator: **Towner, Mary**
Sponsor: University of Rochester Department of Obstetrics and Gynecology
Title: Assessment of a gynecologic surgery simulation model
Dates: 7/1/2016 – 6/30/2017
Direct Funds: \$3,500
Indirects: \$0
Total Funding: \$3,500

Principal Investigator: **Vitek, Wendy S**
Sponsor: Mae Stone Goode
Title: Does Tissue Thickness Impact the Recovery of Viable Follicles from Vitri-fied Ovarian TIssue?
Dates: 3/1/2014 - 12/31/2016
Direct Funds: \$10,125
Indirects: \$1,070
Total Funding: \$11,195

Principal Investigator: **Whaley, Natalie**
Sponsor: University of Rochester Department of Obstetrics and Gynecology
Title: Family Planning in the US Affiliated Pacific Islands: A Rapid Assessment Procedure
Dates: 7/1/2016 – 6/30/2017
Direct Funds: \$10,000
Indirects: \$0
Total Funding: \$10,000

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

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.
4. America's Top Oncologists - Consumer's Research Council of America (National Award)
5. America's Top Oncologist - SLD Industries, Inc.

Emily S. Barrett, Ph.D.

1. Fertility and Sterility- Top 3 reviewers of 2015
2. Human Reproduction- Top 10% of reviewers (2015)

Amy R. Benjamin, M.D.

1. Strong Star Certificates of Appreciation, University of Rochester Medical Center

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

1. Leonard Tow Humanism in Medicine, University of Rochester, Class of 2015
2. Alpha Omega Alpha, University of Rochester

Bala Bhagavath, M.D.

1. Strong Star, Bronze Star Recipient, University of Rochester Medical Center

Adrienne D. Bonham, M.D.

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

Michele L. Burtner, M.S.

1. Duke Johnson & Johnson Nurse Leadership Fellow
2. NHSC Scholar

Paula J. Doyle, M.D.

1. Bladder Health Week Honorarium - AUGS

Brent DuBeshter, M.D.

1. US News Top Doctor Recognition
2. Patients Choice 5th Anniversary Award, Vitals
3. Regional Top Doctors, Castle Connolly

Timothy De Ver Dye, Ph.D.

1. Fellow and Chartered Geographer - Royal Geographic Society, London, UK
2. Fellow (elected), American College of Epidemiology
3. Fulbright Specialist Award – January 2016 (to United Nations University's Institute for Computing and Society, Macau)

Lioudmila V. Lipetskaia, M.D.

1. Strong Stars

Richard K. Miller, Ph.D.

1. Agnish Fellowship for Outstanding Contributions to Teratology Education - Teratology Society
2. 2016 Senior Award in Placentology - International Federation of Placenta Associations, Portland, Oregon
3. Fellow, Academy of Toxicological Sciences
4. Clinical Laboratory Director, Certified State of New York

Richard G. Moore, M.D.

1. Consumer's Research Council of America - Guide to America's Top Obstetricians and Gynecologists

Jaclyn E. Morrison, M.D.

1. Alpha Omega Alpha Honor Society

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

1. Doctor of Nursing Practice (DNP) Academic Excellence Award. Given by faculty to graduating DNP student in recognition of outstanding academic achievement, recognizing sustained, consistent and remarkable academic scholarship, inquiry and rigor| St. John Fisher College, Wegmans School of Nursing May 2016
2. Doctor of Nursing Practice (DNP) Clinical Practice Scholarship Award. Given by faculty to graduating DNP student who has developed and implemented a clinical scholarship project that advances nursing knowledge, improves nursing practice, and

enhances organizational quality improvement. |St. John Fisher College, Wegmans School of Nursing May 2016

Katrina F. Nicandri, M.D.

1. Alpha Omega Alpha inducted

Colby A. H. Previte, M.D.

1. Highland Family Medicine Obstetrics Teaching Award, awarded for contribution to residency education. - University of Rochester Department of Family Medicine, Rochester, NY
2. APGO Excellence in Teaching Award in recognition of outstanding contributions to the field of obstetrics and gynecology - Association of Professors of Gynecology and Obstetrics, Crofton, MD
3. Association of Professors of Gynecology and Obstetrics (APGO) Scholars & Leaders Program. Selected in September 2016 to participate in 2017-2018 APGO Scholars and Leaders Program. The program's purpose is "to enhance education in obstetrics and gynecology by preparing ob-gyn physician faculty, through a rigorous 15-month curriculum, to possess the skills and knowledge necessary to be outstanding teachers and educational administrators."

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

1. Strong Stars Patient Recognition Award

Neil S. Seligman, M.D.

1. ACOG CREOG National Faculty Award

Rakesh K. Singh, Ph.D.

1. Patent Award: Vitamin d receptor - coregulator inhibitors WO 2013032960 A2

Sajeena G. Thomas, M.D.

1. Patient's Choice and Compassionate Doctor Award - Vitals.com

Wendy S. Vitek, M.D.

1. Early Career Women Faculty Professional Development Training Award

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

1. Community Champion - The Perinatal Network of Monroe County, Inc.
2. Guide to America's Top Obstetricians and Gynecologists - SLD Industries
3. Who's Who in Medicine and Healthcare
4. Who's Who Among America's Teachers

PRESENTATIONS AT NATIONAL AND REGIONAL MEETINGS

Emily S. Barrett, Ph.D.

1. Barrett, ES, Hoeger, KM, Sathyanarayana, S, Redmon, JB, Nguyen, R, Swan, SH. Anogenital distance, a biomarker of prenatal androgen exposure is longer among newborn daughters of women with polycystic ovary syndrome (PCOS). Poster presentation at the Endocrine Society meeting (ENDO), April 2016, Boston, MA.
2. Barrett, ES, Vitek, W, Hoeger, K. Phthalate metabolite concentrations and ovarian function in women with unexplained infertility. Poster presentation at the Endocrine Society meeting (ENDO), April 2016, Boston, MA.
3. Barrett, ES, Vitek, W, Hoeger, K. Perceived stress is associated with higher ovarian reserve among women with unexplained infertility. Poster presentation at the Endocrine Society meeting (ENDO), April 2016, Boston, MA.
4. Dye, TD, Collier, AC, Darrah, TH, Stodgell, CJ, Li, D, Astern, JM, Barrett, ES, Miller, RK. Detection and compartmentalization of non-essential and rare earth elements during pregnancy in Hawaii. Poster presentation at the Society for Maternal Fetal Medicine. February 2016, Atlanta, GA.
5. Gable, E, Barrett, E, Li, D, Vitek, W, Hoeger, K, Dye, T. Counseling practices and social outcomes in pregnancies conceived with assisted reproductive technologies. Poster presentation at the American Society for Reproductive Medicine meeting, October 2015, Baltimore, MD.
6. Kumar, D, Barrett, E, Li, D, Hoeger, K, Dye, T. Sex ratio at birth in relation to use of assisted reproductive technologies (ART). Poster presentation at the American Society for Reproductive Medicine meeting, October 2015, Baltimore, MD.
7. Andrade, A, Barrett, ES, and Swan, SH. Reproductive development and related effects of phthalate diesters in males and modification by maternal stress. Oral presentation at the International Society for Environmental Epidemiology meeting, August 2015, Brazil.

Amy R. Benjamin, M.D.

1. Medical Therapies for Chronic Pain (International Pelvic Pain Society Annual Meeting, Basics Course, San Diego, CA), October 2015.

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

1. Safety and efficacy of prolonged and serial laminaria placement in second-trimester pregnancy termination. Retrospective chart review. PI: Betstadt. Residents: Locher, Melcher. Presented at the November 2015 North American Forum on Family Planning, Chicago, IL.
2. Continuation rates and repeat pregnancy in immediate post-partum Nexplanon users. Retrospective chart review. PI: Betstadt. Resident: Nosek. Presented at the November 2015 North American Forum on Family Planning Chicago, IL.

3. Grand Rounds Speaker, Contraception: Preventing Unplanned Pregnancies by Understanding Evidence and Efficacy, SUNY Buffalo, Department of Obstetrics and Gynecology.
4. Guest Lecturer, Rochester Institute of Technology, Family Planning curriculum for third year physician assistant students.

Bala Bhagavath, M.D.

1. Plenary Speaker on “Use of anti-mullerian hormone to design ovarian stimulation”. 3rd World Congress on Ovulation Induction and Ovarian Stimulation Protocols (WOOSP). Seychelles, September 2015.
2. Speaker on “Fluid in the endometrial cavity – does it really matter for implantation success?” 3rd World Congress on Ovulation Induction and Ovarian Stimulation Protocols (WOOSP). Seychelles, September 2015.
3. Speaker on “Strategies to improve endometrial thickness”. 3rd World Congress on Ovulation Induction and Ovarian Stimulation Protocols (WOOSP). Seychelles, September 2015.
4. Speaker on “Estrogen priming – resource or gimmick?” 3rd World Congress on Ovulation Induction and Ovarian Stimulation Protocols (WOOSP). Seychelles, September 2015.
5. Moderator for Oral Abstract session on Reproductive Surgery, ASRM 2015 Annual Meeting, Baltimore, MD, October 19, 2015.
6. Bala Bhagavath, MD, Hen Prizant MS, Stephen Hammes, MD, PhD. “Role of Dopamine Agonists in Uterine Myoma”. 71st Annual American Society for Reproductive Medicine Conference, Baltimore, MD. October 20, 2015.
7. Mary Towner, Ahmed Ghazi, Jonathan Stone, Jorge Carrillo, Wendy Vitek, Amy Benjamin, Gary Frishman, Bala Bhagavath. Simulated robot-assisted myomectomy using a 3-D printed model. Presented at XXI FIGO World Congress of Gynecology and Obstetrics, October 2015, Vancouver, Canada.
8. Vilasagar S, Towner, M, Congelosi K, Caveglia S, Kumar D, Bhagavath, B. Effects of Unfractionated Heparin and Ketorolac during Obstetric and Gynecologic procedures. Presented at 45th Annual AAGL Global Congress on Minimally Invasive Gynecology, November 2015, Las Vegas, NV.
9. Grand Rounds presentation: “Morcellation” University of Rochester Medical Center, December 10, 2015.
10. Grand Rounds presentation: “Management of Uterine Fibroids in the 21st Century” Institute of Obstetrics and Gynecology, Government Hospital for Women and Children, Egmore, Chennai, India February 15, 2016.
11. Grand Rounds presentation: “Leiomyosarcoma – Bogyman or Real Threat?” National University Hospital, Singapore, February 19, 2016.
12. Snigdha Alur, Smitha Vilasagar, Alexandra Jen, Erin Duecy, Kyle Wohlrab, Bala Bhagavath. “Do Skills Acquired with the Laparoscopic Box Trainer Transfer to the Video Simulator?” Accepted for presentation at CREOG and APGO Annual Meeting, New Orleans, Louisiana. March 2016.
13. Snigdha Alur, Smitha Vilasagar, Divya Kumar, Sarah Caveglia, Erin Duecy, Bala Bhagavath. “Skills Acquisition and Logistical Challenges Faced by Junior Year Obstetrics and Gynecology Residents Using the Box Trainer”. Accepted for presentation at CREOG and APGO Annual Meeting, New Orleans, Louisiana. March 2016.
14. Speaker on “Power Point Presentations” Dean’s Teaching Fellowship Session, University of Rochester, School of Medicine and Dentistry, May 11, 2016.

15. Speaker on "Essential Presentation Skills" Neurology Career Development Series, Department of Neurology, University of Rochester Medical Center, May 19, 2016.

Adrienne D. Bonham, M.D.

1. "Novel Topical Therapies for the Treatment of Genital Pain" International Society for the Study of Vulvovaginal Disorders XXIII World Congress, New York City, New York, July 2015.

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

1. International Incontinence Society (ICS) 45th Annual Meeting, Montreal, Canada "Pelvic floor symptoms in women survivors of gynecologic cancer." Invited speaker. October 8, 2015.
2. International Incontinence Society (ICS) 45th Annual Meeting, Montreal, Canada "Pelvic floor dysfunction in cancer survivors after radical pelvic surgery and radiation." Round table discussion. October 8, 2015.

Jorge F. Carrillo, M.D.

1. 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.
2. "Simulation day for residents". Supervisor at the laparoscopic skills station.

Brent DuBeshter, M.D.

1. Ackroyd, S.A., Altobelli, K., Angel, C., Thomas, SG, and DuBeshter, B. Neoadjuvant chemotherapy and robot-assisted interval cytoreduction in patients with advanced ovarian cancer at Society of Gynecologic Oncology, San Diego, CA 2016.

Erin E. Duecy, M.D.

1. Alur S, Vilasagar S, Jen A, Duecy E, Wohlrab K, Bhagavath B. Do skills acquired with the laparoscopic box trainer transfer to the video simulator? Poster presentation. APGO CREOG New Orleans March 2016.
2. Alur S, Vilasagar S, Kumar D, Caveglia S, Duecy E, Bhagavath B. Skills acquisition and logistical challenges faced by junior year residents using the box trainer. Poster presentation. APGO CREOG New Orleans March 2016.
3. Geriatric Incontinence. Annual lecture for URMG Geriatric Fellows.

Timothy De Ver Dye, Ph.D.

1. Pérez-Ramos, J.G., Vélez-Vega, C.M., McIntosh, S., Demment, M.M., Avendaño, E., Ossip D.J., Dye, T. Culturally Tailored Offline mHealth Surveys in Low Resource Settings. V Conferencia Puertorriqueña de Salud Pública, San Juan, Puerto Rico, May 2016.
2. Avendaño, E. McIntosh, S., Pérez-Ramos, J.G., Demment, M.M., Ossip D.J., Dye T. - Online Training for Public Health Capacity Building in Low and Middle Income Countries. V Conferencia Puertorriqueña de Salud Pública, San Juan, Puerto Rico, May 2016.
3. Vélez Vega C, Murphy C, Figueroa A, Pérez-Ramos J, McIntosh S, Dye TD. Knowledge, Opinions, and Experiences concerning Clinical and Genetic Testing: Voices of Research Participants in Puerto Rico. Consortium of Universities for Global Health (CUGH) Annual Meeting, San Francisco, 2016.
4. Demment M, Marriott J, Sy A, Buenconsejo-Lum L, Tomeing T, Hadley J, Albert P, McIntosh S, Dye TD. Now people want to cook what's easy – just open a can: Considerations for interventions to address diabetes in Micronesia and the Marshall Islands. American Public Health Association 2016 (submitted).
5. Dye TD, Demment M, Elia J, Palmo T. Fear, Hope, and Opportunity: Hepatitis B in Pregnancy among Tibetan Refugees. CityMatCH Leadership & MCH Epidemiology Conference, Philadelphia, PA: September 14-16, 2016 (submitted).
6. Demment M, Bullock S, Nkiruka N, Deutsch L, Miller R, Dye TD. Attitudes about consent for a birth repository: differences by income. Ninth Health Disparities Conference, New Orleans, LA: February 29 – March 2, 2016.
7. Demment M, Bullock S, Nkiruka N, Deutsch L, Dye TD. Knowledge, interest, and requirements for participation in a birth repository: a qualitative study. American Congress of Obstetrics and Gynecology Annual Meeting, Washington, DC: May 14-17, 2016.
8. McIntosh S, Pérez-Ramos JG, David T, Demment MM, Avendaño E, Ossip DJ, Dye T. Development and Implementation Methods of an Offline Survey in Low and Middle Income Countries. Early Acceptance Contributed Paper Presented at The International Conference on Questionnaire Design, Development, Evaluation, and Testing (QDET2, Abstract #303168), Nov 9-13, 2016. Miami, FL, USA.
9. Dye TD, Alpert PS, Hadley J, Sy A, McIntosh S, Buenconsejo-Lum L, Demment M, Palafox N. “See and learn, not read and learn:” Context analysis and community support for a mobile team eLearning intervention to improve Non-Communicable Disease Prevention in Pohnpei State, Micronesia. Consortium of Universities for Global Health (CUGH) Annual Meeting, San Francisco, 2016 (submitted).
10. Ossip DJ, Avendaño E, McIntosh S, Perez-Ramos J, David T, Demment M, Miller L, Benchoam R, Dye TD. MundoComm: Information Communication Technology for Maternal Health in Costa Rica and Latin America. Consortium of Universities for Global Health (CUGH) Annual Meeting, San Francisco, 2016.
11. Demment M, Bullock S, Nkiruka N, Deutsch L, Dye TD. Knowledge, interest, and requirements for participation in a birth repository: a qualitative study. American College of Obstetrics and Gynecology Annual Clinical and Scientific Meeting, Washington, DC 2016 (submitted).
12. Dye TD, Collier A, Darrah T, Stodgell C, Astern J, Barrett E, Miller RK. Detection and compartmentalization of non-essential and rare earth elements during pregnancy in Hawaii. Society for Maternal Fetal Medicine Annual Meeting 2015.

13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.

Lisa M. Gray, M.D.

1. Zika Virus Update. Women's Health Practice Didactic. University of Rochester. Rochester, NY. - 6/3/2016
2. To Screen or Not To Screen: Testing Conundrums in Clinical Obstetrics. Grand Rounds Presentation. Department of Obstetrics and Gynecology, Albany Medical Center. Albany, NY. - 4/8/2016
3. Antibody Responses to Pertussis Vaccination in Pregnant versus Non-Pregnant Subjects. Oral Presentation. Society for Reproductive Investigation 63rd Annual Scientific Meeting. Montreal, QC. - 3/18/2016
4. Cardiac Arrest and Advanced Cardiac Life Support in the Obstetric Patient. OB/Gyn Resident Simulation Lecture. University of Rochester Medical Center. Rochester, NY. - 1/14/2016
5. Multiple Gestations. OB/Gyn Resident Lecture Series. University of Rochester Medical Center. Rochester, NY. - 11/12/2015
6. First Trimester Ultrasound. OB/Gyn Resident Ultrasound Education Day. University of Rochester Medical Center. Rochester, NY. - 9/24/2015
7. Prior Classical Cesarean: Timing of Delivery. MFM Fellow Lecture Series. University of Rochester Medical Center. Rochester, NY. - 8/20/2015

Amy R. Harrington, M.D.

1. Poster Presentation-Safety of prolonged laminaria in second trimester pregnancy termination. Sarah Betstadt, Laura Melcher, Megan Locher, Amy Harrington, Alexis

- Pilato, Katherine Congelosi, Olivia Meier, Timothy De Ver Dye North American Forum on Family Planning, Chicago, IL. - 11/2015
2. Poster Presentation-Continuation rates and repeat pregnancy in immediate post-partum Nexplanon users. Amy Nosek, MD, Sarah Betstadt, MD, MPH, Amy Harrington, MD, Timothy Dye, PhD. North American Forum on Family Planning, Chicago, IL. - 11/2015
 3. Oral Presentation-Understanding treatment preferences of Ob/Gyn patients with socioeconomic disadvantage and depression. Poleshuck E, Perez-Diaz W, Harrington A, Requa M, Wittink M, Cerulli C. Perinatal Mental Health Conference, Chicago, IL - 11/2015
 4. Oral Presentation at ACOG ACM 2016 pending-Geographic Disparities in Access to Abortion Services in Western New York. Reisinger, T, Harrington AR, Walker, ER. American College of Obstetricians and Gynecologists, Annual Clinical Meeting, Washington, DC, May 2016. Abstract submitted to the 2016 North American Forum on Family Planning. - 1/2015.

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

1. White Coat Ceremony Keynote Speaker 2016; St. John Fisher College -Wegmans School of Pharmacy

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

1. Anogenital Distance, a Biomarker of Prenatal Androgen Exposure, Is Longer Among Newborn Daughters of Women with Polycystic Ovary Syndrome (PCOS). ES Barrett, Hoeger, KM, Sathyanarayana, S Redmon, JB, Nguyen, RHN, Swan, SH. 100th Annual Meeting of the Endocrine Society, Boston, MA April 2016.
2. Perceived Stress Is Associated with Higher Ovarian Reserve Among Women with Unexplained Infertility. ES Barrett, Vitek WS, Hoeger KM. 100th Annual Meeting of the Endocrine Society, Boston, MA, April 2016.
3. Phthalate Metabolite Concentrations and Ovarian Function in Women with Unexplained Infertility. ES Barrett, Vitek WS, Hoeger, KM. 100th Annual Meeting of the Endocrine Society, Boston, MA April 2016.
4. Impact on Ovulatory Parameters with the use of MMP Inhibitors in PCOS, MI-PCOS: A Pilot Study. A Light, S Alur, S Hammes, K Hoeger. 71st Annual Meeting of the American Society for Reproductive Medicine, Baltimore MD October 2015 *Oral presentation.
5. Counseling Practices and Social Outcomes in Pregnancies Conceived with Assisted Reproductive Technologies. E Gable, ES Barrett, D Li, K Hoeger, T Dye. 71st Annual Meeting of the American Society for Reproductive Medicine, Baltimore MD October 2015.
6. 6th Peacocks Symposium Debate "Are the Long-term consequences of PCOS realized?" Perugia, Italy - 10/2015.
7. Invited Speaker 71st Annual Meeting of ASRM, Symposium "Personalized Care for Patients with PCOS" Baltimore MD - 10/2015.
8. Invited Speaker, Pediatric Endocrinology Grand Rounds, Columbia University. "Benefits and Risks of OCs in Adolescents with PCOS" New York, NY - 9/2015.

Vivian Lewis, M.D.

1. Penn State Medical Center. CTSI mentor training workshop. (Co-presenter- Dr. Camille Martina) June 2016.

Lioudmila V. Lipetskaia, M.D.

1. Lipetskaia, L., Doyle, P., Duecy E., Buchsbaum G. "Robotic midurethral sling excision with concomitant Burch colposuspension". American Urogynecologic Society (AUGS). 36d Annual Scientific Meeting. Seattle WA. October 2015.
2. Lunch and lecture at community primary health clinic.

Lauren A. Miller, M.D., M.P.H.

1. Ossip DJ, Avendaño E, McIntosh S, Perez-Ramos JG, David T, Demment M, Miller L, Benchoam R, Dye T. (April, 2016). MundoComm: Information Communication Technology for Maternal Health in Costa Rica and Latin America. Poster Presentation. CUGH 2016 Conference, April 9-11, 2016, San Francisco, CA.
2. Lauren Miller, Angela Baja, Emily Mills, Bayley Clarke, Gerald Zarlengo An Analysis of Operative Delivery Practices Over 20 Years. Poster Presentation. ACOG ACM 2016. May 14, 2016, Washington DC.

Richard K. Miller, Ph.D.

1. Senior Award in Placentology Lecture, International Federation of Placenta Associations, Portland, Oregon, September 2016.
Title: IFPA Senior Award: Placenta Toxicology – Susceptibility, Assessment and Contributions to Reproductive and Fetal/Neonatal Outcome
2. Agnish Educational Fellow, Teratology Society Award Speaker, San Antonio, TX - Agnish Educational Fellow Lecture. June 29, 2016.
Title: TERATOLOGY: Expanding Educational Approaches for Health Care Providers, Regulators, Scientists and Counselors.
3. Invited Lecturer: Organization of Teratology Information Specialists: San Antonio, TX, Special Lecture on Occupational and Environmental Exposures during Pregnancy. June 27, 2016.
Title: How to Evaluate Workplace, Environmental and Home Exposure: Their Risks during Pregnancy.
4. Invited Chair and Speaker: Teratology Society Symposium, San Antonio, TX – Advances in Placental Research June 28, 2016.
Title: Predicting Fetal and Newborn Health - the Role of the Placenta.
5. Invited Lecturer: Department of Epidemiology, Giesel School of Medicine, Hanover, New Hampshire, December 14, 2015.
Title: Impact on Human Placental Function: From HIV - Metals – MR and Ultrasound Elastography.
6. 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.

7. Poster Presentation: The Human Placenta: Function and Morphological Assessments using Ultrasound and Magnetic Resonance Elastography. International Federation of Placenta Associations, Portland, Oregon, September 14, 2016.
8. Podium Presentation: RK Miller. Lead Exposures and Management during Pregnancy: A Thirty Year Perspective. Organization of Teratology Information Specialists Annual Meeting, San Antonio, TX, June 28, 2016.

Richard G. Moore, M.D.

1. Lunch and Learn Symposium: Pelvic mass Risk assessment: Who is at risk for ovarian cancer/ American Association for Clinical Chemistry National Meeting Atlanta, GA - 7/27/2015.

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

1. Royal College of Surgeons in Dublin, International, invited poster presentation, "Gestational Diabetes: The Effect of a Group Prenatal Care Program on Knowledge, Empowerment and Patient Outcomes", March 2016.

Eva K. Pressman, M.D.

1. Finkelstein JL, Guillet R, Pressman EK, Kent TR, O'Brien KO. Vitamin B12 and Folate Status in Pregnant Adolescents and Their Infants. Experimental Biology Conference, San Diego. - 4/4/2016.
2. Layden AJ, O'Brien KO, Pressman EK, Kent TR, Finkelstein JL. Vitamin B12 and Placental Expression of Transcobalamin in Pregnant Adolescents. Experimental Biology Conference, San Diego - 4/2/2016.
3. Bacak SJ, Pressman EK, Ru Y, Kent TR, O'Brien KO. Impact of Prepregnancy Body Mass Index and Gestational Weight Gain on Maternal Iron Status in Twin Gestations. Society for Reproductive Investigation 63rd Annual Scientific Meeting, Montreal, Canada. - 3/17/2016.

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."
2. "Infertility: Diagnosis and Treatment" Medical Director's Council, Planned Parenthood of America, Steamboat, CO. February 26, 2016.
3. "Thyroid Disorders in Pregnancy"; "Polycystic Ovarian Syndrome"; "Menopause and Osteoporosis" ACOG District VIII Annual Meeting, Big Sky, MN. January 29, 2016.
4. "Sources of Trouble: Fraud, Abuse and Denied Claims." "Documentation Guidelines." and "Coding for Assisted Reproductive Technology Laboratories." Post-Graduate Course, American Society for Reproductive Medicine, Annual Meeting, Baltimore, MD. October 17, 2015.
5. "Ovulation Induction"; "Manage and Prevent Complications in Laparoscopic and Hysteroscopic Surgery"; "Ectopic Pregnancy"; Recurrent Pregnancy Loss" 23rd Annual

- Review of Obstetrics and Gynecology, Lake Buena Vista, Fla. October 10, 2015.
6. "Evaluation and Management of Infertility and Ovulation Induction"; "Hirsutism and PCOS"; "Diagnosis, Medical and Surgical Management of Ectopic Pregnancy." "Reproductive Endocrinology Case Reviews", Columbus Comprehensive Review, Columbus, OH. September 23, 2015.
 7. "CPT coding for Surgery and IVF: What You Need to Know Now." SREI fellows Retreat. Park City, Utah. August 1, 2015.
 8. "Experience is Simply the Name We Give our Mistakes" Grand Rounds. Department of Obstetrics and Gynecology. Rochester General Hospital. Rochester, NY January 22, 2015.

Ruth Anne Queenan, M.D., M.B.A.

1. Annual presentation. Highland Hospital Compliance Liaison Meeting, Rochester, NY. - 7/2010-6/2016
2. Monthly to Fetal Heart Tracing Interpretation, Department of OBGYN, Family Medicine, and Nursing, University of Rochester and Highland Hospital, Rochester, NY - 7/2010-6/2016
3. Biannual East 5 and Gynecologic Oncology Clinical Service Quality Committee Report to the QAI committee. Rochester, NY. - 7/2010-6/2016
4. Biannual Family Maternity Center Clinical Service Quality Committee Report to the QAI committee. Rochester, NY. - 7/2010-6/2016
5. Zika virus panel discussion - 2/3/2016

Neil S. Seligman, M.D.

1. Ultrasound evaluation of the Uterus, cervix, and ovaries during Pregnancy. Rochester Ultrasound Society Conference, Rochester, NY (Oral Presentation) - 11/2015.

Rajesh K. Srivastava, Ph.D.

1. Department of Obstetrics and Gynecology-Grand Round, Faculty Research Presentation, "Effect of BPA and Phthalate on Ovarian granulosa cell steroidogenesis". 3/31/2016.

Sajeena G. Thomas, M.D.

1. Evolving Role of Surgery in Advanced Ovarian Cancer Live Like Liz Ovarian Cancer Symposium, Guest Lecturer Elmira, NY, 9/2015.

Loralei L. Thornburg, M.D.

1. Surgery in the Pregnant Patient: Keeping everybody safe. - University of Rochester Surgical Symposium - 9/2015.
2. Second Opinion, WXXI television for Public Broadcasting System. (1) Myth or Medicine? Preeclampsia is cured at delivery (2) Myth or Medicine?: Choosing your due date (3) Myth or Medicine?: After 24 hours of labor you need to have a cesarean – 2015.
3. WXXI Radio: Paternity Leave – 2015.

Wendy S. Vitek, M.D.

1. Does Anti-Mullerian Hormone predict in-vitro fertilizations outcomes among obese women? Ob/Gyn Grand Rounds. University of Rochester Medical Center, Rochester, NY.
2. Flipping the classroom for medical students and residents – let the good times roll! Council on Resident Education in Obstetrics and Gynecology & Association of Professors of Gynecology and Obstetrics Annual Meeting. Breakout session. New Orleans, LA.
3. Informing offspring of their conception by gamete donation. Interdisciplinary Clinical Ethics Noon Conference. University of Rochester Medical Center, Rochester, NY.
4. Fertility preservation for cancer patients. Wilmot Cancer Center Survivorship Conference. Panel discussion. Casa Larga, Fairport, NY.
5. Novel fertility preservation therapies for women with chronic kidney disease. American Society of Nephrology Kidney Week. Womens health program. San Deigo, CA.
6. Adolescent polycystic ovary syndrome. American College of Obstetricians and Gynecologists District II meeting. New York, NY.
7. Explaining unexplained infertility to your patients. St. Joseph's Hospital. Ob/gyn grand rounds. Syracuse, NY.
8. Vitek W, Jin S, Baker V, Styer SK, Christianson, MS, Stern JE, Polotsky AJ. Anti-Mullerian Hormone Is Associated with Oocyte Yield, but Not Clinical Pregnancy or Live Birth in Obese Women: Analysis of 17,541 in Vitro Fertilization Cycles. Endocrine Society Annual Meeting (ENDO), Boston, MA.
9. Styer AK, Christianson MS, Vitek W, Baker V, Santoro N, Armstrong, A, Polotsky AJ, Luke B. Factors association with elective single embryo transfer (eSET) utilization in the United States: a national study. 71st Annual Meeting, American Society for Reproductive Medicine, Baltimore, MD.
10. Christianson MS, Legro R, Jin S, Eisenberg E, Diamond MP, Hansen KR, Vitek W, Styer AK. Utility of sonohysterography for tubal patency assessment in the pregnancy in polycystic ovary syndrome II trial. 71st Annual Meeting, American Society for Reproductive Medicine, Baltimore, MD.
11. Vitek W, Jin S, Christianson MS, Styer AK, Polotsky AJ, Cedars M. Anti-Mullerian Hormone Levels Are Not Associated with Vascular Complications in Pregnancies Among Infertile Women. Endocrine Society Annual Meeting (ENDO), April 2016, Boston, MA.
12. Barrett ES, Vitek W, Hoeger K. Phthalate metabolite concentrations and ovarian function in women with unexplained infertility, Endocrine Society Annual Meeting (ENDO), April 2016, Boston, MA.
13. Barrett ES, Vitek W, Hoeger K. Perceived stress is associated with higher ovarian reserve among women with unexplained infertility. Endocrine Society Annual Meeting (ENDO), April 2016, Boston, MA.
14. Gable E, Hoeger K, Vitek W, Barrett ES, Li D, Dye T. Counseling practices and social outcomes in pregnancies conceived with assisted reproductive technologies. 71st Annual Meeting, American Society for Reproductive Medicine, Baltimore, MD.

Natalie Sue Whaley, M.D., M.P.H.

1. Poster abstract presented at American Society of Hematology Annual Meeting in Orlando, Florida in December 2015. "Contraceptive Use Among Women with Sickle Cell Disease: A Survey Study."
<https://ash.confex.com/ash/2015/webprogram/Paper78500.html> - 12/2015
2. Oral presentation at ACOG District 2 Upstate Meeting in Verona, NY in April 2016. "Immediate Postpartum Long Acting Reversible Contraception (LARC)."
<https://www.eiseverywhere.com/ehome/154499>

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

1. District II Summer program presentation of "The role of the gynecologist in breast cancer care", July 2016.

PUBLICATIONS

Emily S. Barrett, Ph.D.

1. Barrett ES, Velez M, Qiu X, Chen SR. "Reducing Prenatal Phthalate Exposure Through Maternal Dietary Changes: Results from a Pilot Study." *Maternal and child health journal*. 2015 Sep; 19(9): 1936-42.
2. Adibi JJ, Lee MK, Naimi AI, Barrett E, Nguyen RH, Sathyanarayana S, Zhao Y, Thiet MP, Redmon JB, Swan SH. "Human Chorionic Gonadotropin Partially Mediates Phthalate Association With Male and Female Anogenital Distance." *The Journal of clinical endocrinology and metabolism*. 2015 Sep; 100(9): E1216-24. Epub 2015 Jul 22.
3. Barrett ES, Swan SH. "Stress and Androgen Activity During Fetal Development." *Endocrinology*. 2015 Oct; 156(10): 3435-41. Epub 2015 Aug 4.
4. 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." *Fertility and sterility*. 2015 Nov; 104(5): 1227-35. Epub 2015 Aug 11.
5. Barrett ES, Parlett LE, Sathyanarayana S, Redmon JB, Nguyen RH, Swan SH. "Prenatal Stress as a Modifier of Associations between Phthalate Exposure and Reproductive Development: results from a Multicentre Pregnancy Cohort Study." *Paediatric and perinatal epidemiology*. 2016 Mar; 30(2): 105-14. Epub 2015 Nov 17.
6. Frydenberg, H, Flote, VG, Fjeldheim, FN, Larsson, IM, Barrett, ES, Furberg, A-S, Ursin, G, Wilsgaard, T, Ellison, PT, McTiernan, A, Hjartaker, A, Thune, I. (2015) Alcohol consumption, endogenous estrogen, and mammographic density among premenopausal women. *Breast Cancer Research*. 2015 Aug 7;17:103.

Amy R. Benjamin, M.D.

1. Bhagavath B, Benjamin A. "Minimally Invasive Gynecologic Surgery for Benign Conditions: Progress and Challenges." *Obstetrical & gynecological survey*. 2015 Oct; 70(10): 656-66.

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

1. Kondo Y, Windrem MS, Zou L, Chandler-Militello D, Schanz SJ, Auvergne RM, Betstadt SJ, Harrington AR, Johnson M, Kazarov A, Gorelik L, Godman SA. Human glial chimeric mice reveal astrocytic dependence of JC virus infection. *J Clin Invest*, 2014 Dec 1; 124 (12): 5323-36.
2. Han X, Chen M, Wang F, Windrem M, Wang S, Schanz S, Xu Q, Oberheim NA, Bekar L, Betstadt S, Silva AJ, Takano T, Goldman SA, Nedergaard M. Forebrain engraftment by human glial progenitor cells enhances synaptic plasticity and learning in adult mice. *Cell Stem Cell*. 2013 Mar 7; 12(3): 342-53.
3. Murphy LA, Glantz JC, Thornburg LL, Wasserman E, Stanwood NL, Betstadt SJ. Complications of Surgical Termination of Pregnancy in Obese Versus Non-obese Women. *Contraception*, 2012; 86 (4): 402-6.
4. Betstadt SJ, Turok DK, Kapp N, Feng KT, Borgatta L. IUD insertion after medical abortion. *Contraception*. June 2011; 83 (6): 517-21.

5. Borgatta L, Betstadt SJ, Reed A, Feng KT. Relationship of intraamniotic digoxin to fetal demise. *Contraception*. Apr 2010; 81(4): 328-30.
6. Moreno-Ruiz NL, Vesona JL, Betstadt SJ, Feng KT, Borgatta L. Misoprostol priming prior to second trimester medical abortion. *Int J Gynaecol Obstet*. Apr 7 2009.
7. Borgatta L, Sayegh R, Betstadt SJ, Stubblefield PG. Cervical obstruction complicating second-trimester abortion: treatment with misoprostol. *Obstet Gynecol*. Feb 2009; 113 (2 Pt 2): 548-550.

Bala Bhagavath, M.D.

1. Bhagavath B; Behrman E; Salari BW; Vitek W; Barhan S; Yaklic JL; Lindheim SR "Metroplasty to treat chronic pelvic pain resulting from outflow tract müllerian anomalies." *American journal of obstetrics and gynecology*. 2015; 213(6):871.e1-3.
2. Bhagavath B; Benjamin A "Minimally Invasive Gynecologic Surgery for Benign Conditions:Progress and Challenges." *Obstetrical & gynecological survey*. 2015; 70(10):656-66.

Adrienne D. Bonham, M.D.

1. Bonham A. Vulvar Vestibulodynia: Strategies to Meet the Challenge. *Obstet Gynecol Surv*. 70 (2015) 274-278.
2. Falsetta ML, Foster DC, Woeller CF, Pollock SJ, Bonham AD , Haidaris CG, Stodgell CJ, Phipps RP. Identification of novel mechanisms involved in generating localized vulvodynia pain. *Am J Obstet Gynecol*. 213 (2015) 39e1-38e12.
3. Foster DC, Falsetta MS, Weoller CF, Pollock SJ, Song K, Bonham A, Haidaris CG, Stodgell CJ, Messing SP, Iadarola M, Phipps, RP. Site-specific mesenchymal control of inflammatory pain to yeast challenge in vulvodynia afflicted and pain-free women. *PAIN* 156 (2015) 386-396.

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

1. Wiseman, B.L.; James, G.D.; Burgoon, A.; Buchsbaum, G.M.. "A Topical Regimen for the Treatment of Provoked Vestibulodynia: Protocol and a Retrospective Case Series". *J Womens Health, Issues Care*. 2016 5:4: 1-5.

Brent DuBeshter, M.D.

1. Youn, P., Angel, CL, DuBeshter, B, Thomas SG, Moore, RG, Singh, DP, and Bylund, KC. Clinical Outcome After Adjuvant Vaginal Brachytherapy for Stage I-II Papillary Serous Clear Cell Endometrial Cancer. *International Journal of Radiation Oncology • Biology Physics*, Volume 96 Issue 2, E310 - E311.
2. Ackroyd, S.A., Altobelli, K., Angel, C., Thomas, SG, and DuBeshter, B. Neoadjuvant chemotherapy and robot-assisted interval cytoreduction in patients with advanced ovarian cancer. *Gynecologic Oncology*, Volume 141, 195.

Timothy De Ver Dye, Ph.D.

1. Dye TDV, Li D, Demment M, Groth S, Fernandez D, Dozier A, Chang J. Sociocultural variation in attitudes toward use of genetic information and participation in genetic research by race in the United States: Implications for precision medicine. *Journal of the American Medical Informatics Association* 2016, Mar 15:ocv214.
2. Demment M, Peters K, Dykens A, Dozier A, Nawaz H, McIntosh S, Smith JS, Sy A, Irwin T, Fogg TT, Khalig MM, Blumenfeld R, Massoudi M, Dye TD. Developing the evidence base to inform best practice: A scoping study of breast and cervical cancer reviews in low- and middle-income countries. *PLoS ONE* 2015;10: e0134618. doi:10.1371/journal.pone.0134618
3. Soon R, Elia J, Beckwith N, Kaneshiro B, Dye T. Community context of unintended pregnancy: Results from key informant interviews in the Native Hawaiian community. *Perspectives on Sexual and Reproductive Health* 2015. doi: 10.1363/01307
4. Li D, Xie Z, Le Pape M, Dye, T. An evaluation of statistical methods for DNA methylation microarray data analysis. *BMC Bioinformatics* 2015;6:217.

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

1. Zozzaro-Smith PE, Bacak S, Conway C, Park J, Glantz JC, Thornburg LL. "Association Between Obesity During Pregnancy and the Adequacy of Prenatal Care." *Maternal and child health journal*. 2016 Jan; 20(1): 158-63.
2. Sheth T, Glantz JC. "Third-Trimester Fetal Biometry and Neonatal Outcomes in Term and Preterm Deliveries." *Journal of ultrasound in medicine: official journal of the American Institute of Ultrasound in Medicine*. 2016 Jan; 35(1): 103-10. Epub 2015 Dec 7.

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

1. Bender EL, Best S, Hoeger KM, Jarrett BY, Lin AW, Lujan ME, Peppin AK, Soler S, Vanden Brink H, Willis AD. "Sonographic markers of ovarian morphology, but not hirsutism indices, predict serum total testosterone in women with regular menstrual cycles." *Fertility and sterility*. 2016 May; 105(5): 1322-1329.e1. Epub 2016 Jan 27.
2. Alur S, Barrett ES, LI,D, Hoeger K, Dye T. Disparities in pregnancy outcomes between Caucasian and African American women who conceived using in vitro fertilization (IVF). *Clinical Obstetrics, Gynecology and Reproductive Medicine (COGRM)* 2016 Volume 2(1): 133-136.
3. Vitek W, Hoeger K, Legro RS. Treatment strategies for infertile women with polycystic ovary syndrome. *Minerva Ginecol*. 2016 Jan 14. [Epub ahead of print]PubMed PMID: 26765152.
4. 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* Nov;104(5):1227-35 2015.

Stephanie C. Laniewski, M.S.

1. June 2016 Perifacts article on non-invasive prenatal testing.

Vivian Lewis, M.D.

1. Lewis V, Martina CA, McDermott MP, Trief PM, Morse GD, LaGuardia JG, Sharp D, Ryan RM.: A randomized controlled trial of mentoring interventions for underrepresented minorities. *Academic Medicine* 7: 994-1001, 2016.

Lauren A. Miller, M.D., M.P.H.

1. Krystilyn Washington MD, Lauren A. Miller MD MPH, Carley Zeal MD MPH, Nancy C. Chescheir MD. "Connect the Dots – May 2016". *Obstetrics & Gynecology* 127(5), May 2016.
2. Lauren A. Miller MD MPH, Melissa J. Chen MD MPH, Ahizechukwu C. Eke MD MPH, Nancy Chescheir MD. "Connect the Dots – November 2016". *Obstetrics & Gynecology*, November 2016.

Richard K. Miller, Ph.D.

1. Bushway ME, Gerber SA, Hebert D, Lord EM, Miller RK, Murphy SP, Pressman EK, Zozzaro-Smith PE. "Whole mount immunofluorescence analysis of placentas from normotensive versus preeclamptic pregnancies." *Placenta*. 2015 Nov; 36(11): 1310-7. Epub 2015 Sep 10.
2. McAleavey, SA; Parker, KJ ; Ormachea, J; Wood, RW; Stodgell, CJ; Katzman, PJ; Pressman, EK; Miller, RK;. "Shear Wave Elastography in Living, Perfused Post Delivery Placenta." *Ultrasound in Medicine and Biology*. 2016 42(9): 42-9.
3. Chambers C, Cooper EM, Miller RK, Sinclair SM. "Medication Safety During Pregnancy: Improving Evidence-Based Practice." *Journal of midwifery & women's health*. 2016 61(1): 52-67. Epub 2016 Jan 13.
4. Ch. Schaefer, P. Peters and RK Miller (editors) *Drugs During Pregnancy and Lactation: Treatment Options and Risk Assessment*. Academic Press, Edition 3. 2015.
5. KJ Parker, J Ormachea, SA McAleavey, RW Wood, JJ Carroll-Nellenback, RK Miller. Shear wave dispersion behaviors of soft vascularized tissues from the microchannel flow model. *Phys. Med. Biol.* 61: 489-4903, 2016.
6. GG Briggs, JE Polifka, KL Wisner, E Gervais, RK Miller, A Berard, G Koren, A Forinash, CV Towers, Should pregnant women be included in phase IV clinical Drug Trials? *Amer. J Obstet. Gynecol.* 213:810-815, 2015. PMID: 26008178.
7. S Sinclair, RK Miller, C. Chambers, E. Cooper. Medications during Pregnancy: Collaborating to Inform Practice. *J Midwifery and Women's Health* 2016 Jan 13. doi: 10.1111/jmwh.12358. PMID: 26771055
8. C Mikelson, MJ Kovach, J Troisi, S Symes D Adair, RK Miller, C Salafia, K Johnson, Z Lin. S. Richards. Placental 11 β -Hydroxysteroid Dehydrogenase Type 2 Expression: Correlations with Birth Weight and Placental Metal Concentrations. *Placenta* 36:1212-7. 2015. PMID: 26462907
9. P.E. Zozzaro-Smith, M.E. Bushway, S.A. Gerber, E.K. Pressman, E.M. Lord, R.K. Miller, S.P. Murphy. Whole mount immunofluorescence analysis of placentas from normotensive versus preeclamptic pregnancies. *Placenta* 36:1310-7, 2015 PMID: 2638651
10. L Qian, Kappil MA, Li A, Dassanayake PS, Darrah TH, Friedman AE, Friedman M, Lambertini L, Landrigan P, Stodgell CJ, Xia Y, Nanes JA, Aagaard KM, Schadt EE, Murray JC, Clark EB, Dole N, Culhane J, Swanson J, Varner M, Moye J, Kasten C,

- Miller RK, Chen J. Exploring the associations between microRNA expression profiles and environmental pollutants in human placenta from the National Children's Study (NCS). *Epigenetics*. 2015;10(9):793-802.doi:10.1080/15592294.2015.1066960. Epub 2015 Aug 7. PMID: 26252056
11. A Ornoy, EA Reece, G Pavlinkova, C Kappen, RK Miller. Effect of Maternal Diabetes on the Embryo, Fetus and Children: Congenital Anomalies, Genetic and Epigenetic Changes and Developmental Outcomes. *Birth Defects Research C* 105: 53-72, 2015. PMID: 25783684.
 12. Barbaux, S, Erwich, JJHM, Favaron, PO, Gil, S, Gallot, D, Golos, TG, Gonzalez-Bulnes, A, Guibourdenche, J, Heazell, AEP, Jansson, T, Laprovote, O., Lewis, RM, Miller, RK, Monk, D, Novakovic, B, Oudejans, C, Parast, M, Peugnet, P, Pfarrer, C, Pinar, H, Roberts, CT, Robinson, W, Saffery, R, Salamon, C, Seton, A, Staff, AC, Suter, M, Tarrade, A, Wallace, J, Vaillancourt, C, Vaiman, D, Worton, SA, Lash GE. IFPA Meeting 2014 Workshop Reports: Trophoblast Research 29:S5-S10, 2015.

Abstracts:

1. RK Miller, S McAleavey, RW Wood, J Carrol-Nellenback, J Ormachea, O Hyrien, P Katzman, CJ Stodgell, E Pressman, L Thornburg, K Szlachetka, K Parker. Predicting Fetal and Newborn Health: The Role of the Placenta and its Imaging, *Birth Defects Research A*, 106:369, 2016.
2. RK Miller. Lead Exposures and Management During Pregnancy: A Thirty Year Perspective. *Birth Defects Research A*, 106:443, 2016.
3. TD Dye, AC Collier, TH Darrah, CJ Stodgell, D Li, JM Astern, ES Barrett, RK Miller. Detection and Compartmentalization of non-essential and rare earth elements during pregnancy in Hawaii. *Am J Ob Gyn* 214:S990-S100, 2016 *Medicine*, 2016.
4. C Salafia, T Girardi, N Schwartz, R Shah, G Merg, D Misra, R Miller, P. Katzman, J Moye. Term PCSVN Features are Predicted by Ultrasound measures at 11-14 Weeks. *Placenta* 36: A11-12, 2015
5. N Huynh, J-M Chang, P Katzman, R Miller, J Moye, C Salafia. Assessing the Usability of Digital Images of Human Placenta with Multi-Scale Filtering Methods. *Placenta* 35: A56, 2014.
6. T Girardi, C Salafia, R Shah, G Merz, D Misra, R Miller, P Katzman, J Moye Angles in Normal Placental Chorionic Surface Vessel Networks Follow Hydrodynamic Bifurcation Rules. *Placenta* 36: A30-31, 2015.
7. K. Aagaard, R. Harris, K Hao, J Chen, C. Stodgell, J. Dudley, E. Schadt, R Miller for the National Children's Study Placenta Consortium. Novel insights on molecular targets of environmental exposures during pregnancy using placental multiomics integration. 2015 Meeting of the Society for Maternal Fetal Medicine, *Amer J Ob. Gyn. Supplement* Jan. 2015, S182.

Richard G. Moore, M.D.

1. Felix AS, Brinton LA, McMeekin DS, Creasman WT, Mutch D, Cohn DE, Walker JL, Moore RG, Downs LS, Soslow RA, Zaino R, Sherman ME. "Relationships of Tubal Ligation to Endometrial Carcinoma Stage and Mortality in the NRG Oncology/ Gynecologic Oncology Group 210 Trial." *Journal of the National Cancer Institute*. 2015 Sep; 107(9). Epub 2015 Jun 18.
2. Felix AS, Scott McMeekin D, Mutch D, Walker JL, Creasman WT, Cohn DE, Ali S, Moore RG, Downs LS, Ioffe OB, Park KJ, Sherman ME, Brinton LA. "Associations between etiologic factors and mortality after endometrial cancer diagnosis: the NRG

- Oncology/Gynecologic Oncology Group 210 trial." *Gynecologic oncology*. 2015 Oct; 139(1): 70-6. Epub 2015 Sep 1.
3. Lokich E, Palisoul M, Romano N, Craig Miller M, Robison K, Stuckey A, DiSilvestro P, Mathews C, Granai CO, Lambert-Messerlian G, Moore RG. "Assessing the risk of ovarian malignancy algorithm for the conservative management of women with a pelvic mass." *Gynecologic oncology*. 2015 Nov; 139(2): 248-52. Epub 2015 Sep 11.
 4. Guthrie ML, Sidhu PS, Hill EK, Horan TC, Nandhikonda P, Teske KA, Yuan NY, Sidorko M, Rodali R, Cook JM, Han L, Silvaggi NR, Bikle DD, Moore RG, Singh RK, Arnold LA. "Antitumor Activity of 3-Indolylmethanamines 31B and PS121912." *Anticancer research*. 2015 Nov; 35(11): 6001-7.
 5. Wang J, Sibrian-Vazquez M, Escobedo JO, Wang L, Chu YH, Moore RG, Strongin RM. "Templated polymers enable selective capture and release of lysophosphatidic acid in human plasma via optimization of non-covalent binding to functional monomers." *The Analyst*. 2015 Nov 21; 140(22): 7572-7.
 6. Lambert-Messerlian G, Plante B, Eklund EE, Raker C, Moore RG. "Levels of antimüllerian hormone in serum during the normal menstrual cycle." *Fertility and sterility*. 2016 Jan; 105(1): 208-13.e1. Epub 2015 Oct 23.

Eva K. Pressman, M.D.

1. Bacak SJ, Olson-Chen C, Pressman E. "Timing of induction of labor." *Seminars in perinatology*. 2015 Oct; 39(6): 450-8. Epub 2015 Sep 2.
2. Zozzaro-Smith PE, Bushway ME, Gerber SA, Hebert D, Pressman EK, Lord EM, Miller RK, Murphy SP. "Whole mount immunofluorescence analysis of placentas from normotensive versus preeclamptic pregnancies." *Placenta*. 2015 Nov; 36(11): 1310-7. Epub 2015 Sep 10.
3. Thomas CE, Guillet R, Queenan RA, Cooper EM, Kent TR, Pressman EK, Vermeylen FM, Roberson MS, O'Brien KO. "Vitamin D status is inversely associated with anemia and serum erythropoietin during pregnancy." *The American journal of clinical nutrition*. 2015 Nov; 102(5): 1088-95. Epub 2015 Oct 7.
4. Lee S, Guillet R, Cooper EM, Westerman M, Orlando M, Kent T, Pressman E, O'Brien KO. "Prevalence of anemia and associations between neonatal iron status, hepcidin, and maternal iron status among neonates born to pregnant adolescents." *Pediatric research*. 2016 Jan; 79(1-1): 42-8. Epub 2015 Sep 18.
5. Cao C, Pressman EK, Cooper EM, Guillet R, Westerman M, O'Brien KO. "Prepregnancy Body Mass Index and Gestational Weight Gain Have No Negative Impact on Maternal or Neonatal Iron Status." *Reproductive sciences*. 2016 May; 23(5): 613-22. Epub 2015 Sep 29.
6. McAleavey SA, Parker KJ, Ormachea J, Wood RW, Stodgell CJ, Katzman PJ, Pressman EK, Miller RK. "Shear Wave Elastography in the Living, Perfused, Post-Delivery Placenta." *Ultrasound in medicine & biology*. 2016 Jun; 42(6): 1282-8. Epub 2016 Mar 19.
7. Blackmore ER, Putnam FW, Pressman EK, Rubinow DR, Putnam KT, Matthieu MM, Gilchrist MA, Jones I, O'Connor TG. "The Effects of Trauma History and Prenatal Affective Symptoms on Obstetric Outcomes." *Journal of traumatic stress*. 2016 Jun; 29(3): 245-52.

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

1. First Trimester Vaginal Bleeding. John T. Queenan Jr., MD in *Protocols for High-Risk Pregnancies*, 6th edition. Wiley Blackwell 2015.
2. 2015 Ob/Gyn Coding Manual: Components of Correct Procedural Coding. American Congress of Obstetrics and Gynecology, Washington, DC. 2015.

Neil S. Seligman, M.D.

1. Berghella V, Bisulli M, Saccone G, Seligman N, Suhag A. "Trends in cerclage use." *Acta obstetrica et gynecologica Scandinavica*. 2015 Nov; 94(11): 1188-94. Epub 2015 Sep 9.
2. Olson-Chen C, Seligman NS. "Hypertensive Emergencies in Pregnancy." *Critical care clinics*. 2016 Jan; 32(1): 29-41. Epub 2015 Oct 6.
3. Ehsanipoor RM, Seligman NS, Saccone G, Szymanski LM, Wissinger C, Werner EF, Berghella V. "Physical Examination-Indicated Cerclage: A Systematic Review and Meta-analysis." *Obstet Gynecol*. 2015 Jul;126(1):125-35. PMID: 26241265.
4. Zozzaro-Smith P, Bacak S, Seligman N. "Loeys-Dietz syndrome in pregnancy." *Case Reports in Perinatal Medicine*. Volume 4, Issue 2, Pages 113–115. August 2015.

Rakesh K. Singh, Ph.D.

1. Ribeiro JR, Schorl C, Yano N, Romano N, Kim KK, Singh RK, and Moore RG. HE4 promotes collateral resistance to cisplatin and paclitaxel in ovarian cancer cells. *J Ovarian Res*. 2016; 9: 28. [PMCID: PMC4869286]

Rajesh K. Srivastava, Ph.D.

1. Leptin-Induced CART (Cocaine- and Amphetamine-Regulated Transcript) Is a Novel Intraovarian Mediator of Obesity-Related Infertility in Females. *Endocrinology*. 2016 Mar; 157(3): 1248-57. Epub 2016 Jan 5.

Christopher J. Stodgell, Ph.D.

1. Falsetta ML, Foster DC, Woeller CF, Pollock SJ, Bonham AD, Haidaris CG, Stodgell CJ, Phipps RP. "Identification of novel mechanisms involved in generating localized vulvodinia pain." *American journal of obstetrics and gynecology*. 2015 Jul; 213(1): 38.e1-12. Epub 2015 Feb 12.
2. McAleavey SA, Parker KJ, Ormachea J, Wood RW, Stodgell CJ, Katzman PJ, Pressman EK, Miller RK. "Shear Wave Elastography in the Living, Perfused, Post-Delivery Placenta." *Ultrasound in medicine & biology*. 2016 Jun; 42(6): 1282-8. Epub 2016 Mar 19.

Loralei L. Thornburg, M.D.

1. Garner CD, Ratcliff SL, Thornburg LL, Wethington E, Howard CR, Rasmussen KM. "Discontinuity of Breastfeeding Care: "There's No Captain of the Ship"."

- Breastfeeding medicine: the official journal of the Academy of Breastfeeding Medicine. 2016 11(1): 32-9. Epub 2015 Nov 13.
2. Bacak SJ, Thornburg LL. "Liver Failure in Pregnancy." *Critical care clinics*. 2016 Jan; 32(1): 61-72. Epub 2015 Oct 9.

Wendy S. Vitek, M.D.

1. Styer AK, Luke B, Vitek W, Christianson MS, Baker VL, Christy AY, Polotsky AJ, Factors associated with the use of elective single-embryo transfer and pregnancy outcomes in the United States, 2004-2012. *Fertil Steril*. 2016 Mar 18 (Epub ahead of print)
2. Vitek W, Hoeger K, Legro S. Treatment strategies for infertile women with polycystic ovary syndrome. *Minerva Ginecol*. 2016;68(4):450-7.
3. Bhagavath B, Behrman E, Salari BW, Vitek W, Barhan S, Yaklic JL, Lindheim SR. Metroplasty to treat chronic pelvic pain resulting from outflow tract müllerian anomalies. *Am J Obstet Gynecol* 2015 Dec;213(6):871.e1-3.

Natalie Sue Whaley, M.D., M.P.H.

1. Whaley NS, Burke AE. "Intrauterine contraception." *Women's health*. 2015 Nov; 11(6): 759-67. Epub 2015 Dec 2.
2. Whaley NS, Burke AE. Update on medical abortion: simplifying the process for women. *Curr Opin Obstet Gynecol*. 2015 Dec;27(6):476-81. PubMed PMID: [26418145](#).
3. Whaley, NS; Betstadt SJ. "Update on Medical Abortion: Expanding Safe and Equitable, Patient-Centered care". *Current Obstetrics and Gynecology Reports*. 2016 5(1): 48-54.

Ronald W. Wood, Ph.D.

1. Liang Q; Ju Y; Chen Y; Wang W; Li J; Zhang L; Xu H; Wood RW; Schwarz EM; Boyce BF; Wang Y; Xing L "Lymphatic endothelial cells efferent to inflamed joints produce iNOS and inhibit lymphatic vessel contraction and drainage in TNF-induced arthritis in mice." *Arthritis research & therapy*. 2016; 18:62.
2. Liang QQ, Shi Q, Wang YJ, Wood RW, Xing LP. "Peri-articular lymphatic system and Bi theory of Chinese medicine in the pathogenesis and treatment of arthritis." *Chinese journal of integrative medicine*. 2015; 21(9):648-55.
3. McAleavey SA; Parker KJ; Ormachea J; Wood RW; Stodgell CJ; Katzman PJ; Pressman EK; Miller RK "Shear Wave Elastography in the Living, Perfused, Post-Delivery Placenta." *Ultrasound in medicine & biology*. 2016; 42(6):1282-8.
4. Singh S; Pan C; Wood R; Yeh CR; Yeh S; Sha K; Krolewski JJ; Nastiuk KL "Quantitative volumetric imaging of normal, neoplastic and hyperplastic mouse prostate using ultrasound." *BMC urology*. 2015; 15:97.
5. Doyle PJ; Lipetskaia L; Duecy E; Buchsbaum G; Wood RW "Sodium fluorescein use during intraoperative cystoscopy." *Obstetrics and gynecology*. 2015; 125(3):548-50.
6. Doyle PJ; Buchsbaum G; Lipetskaia L; Duecy E; Wood R "In reply." *Obstetrics and gynecology*. 2015; 125(6):1500.
7. Bouta EM; Banik PD; Wood RW; Rahimi H; Ritchlin CT; Thiele RG; Schwarz EM "Validation of power Doppler versus contrast-enhanced magnetic resonance imaging quantification of joint inflammation in murine inflammatory arthritis." *Journal of bone*

and mineral research: the official journal of the American Society for Bone and Mineral Research. 2015; 30(4):690-4.

8. Nicholson TM; Moses MA; Uchtmann KS; Keil KP; Bjorling DE; Vezina CM; Wood RW; Ricke WA "Estrogen receptor- α is a key mediator and therapeutic target for bladder complications of benign prostatic hyperplasia." *The Journal of urology*. 2015; 193(2):722-9.
9. United States Patent NO.: RE45,916 Issued Date: 03/08/2016 Title: Intraoperative Imaging of Renal Cortical Tumors and Cysts Inventors: Dragan J Golijanin, Ronald W Wood, Edward M Messing.

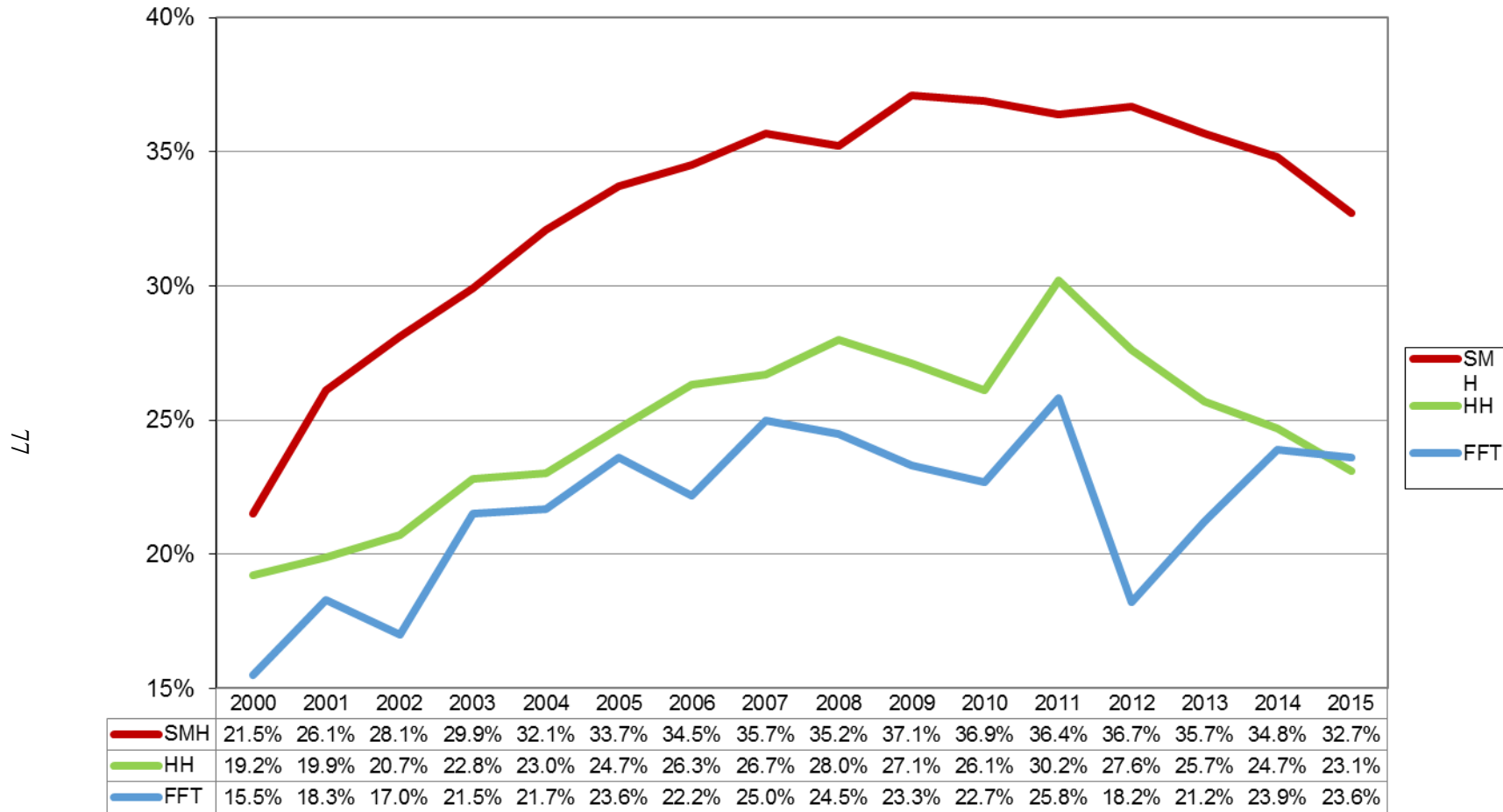
DEPARTMENTAL STATISTICS

University of Rochester

Department of Obstetrics and Gynecology

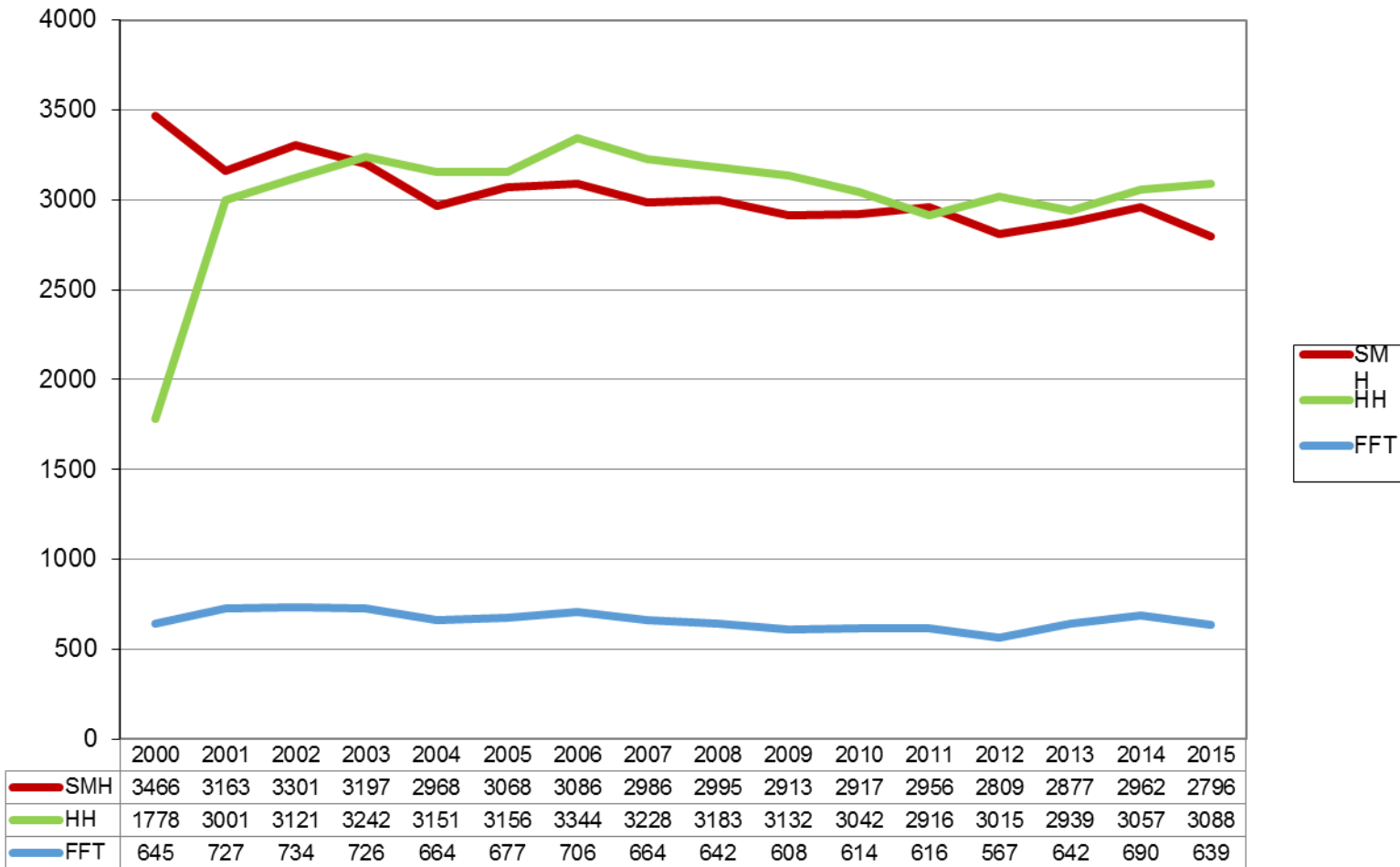
July 1, 2015 - June 30, 2016

Cesarean Section Rates



Calendar year

Number of Deliveries



Calendar year

Note: Deliveries = # of mothers

PERINATAL ULTRASOUND

PROCEDURES	LATTIMORE	RED CREEK	INHOUSE	TOTALS
OBSTETRICAL	6156	3775	989	10920
GYNECOLOGIC	1743	513	160	2416
GENETIC-TAP	39	19	19	77
MATURE L/S-TAP	4	0	0	4
NT	502	359	5	866
BPP	186	115	235	536
CARDIAC	100	123	3	226
CARDIAC DOPPLER	98	123	3	224
DOPPLER (Umb art)	242	240	169	651
DOPPLER (MCA)	219	238	143	600
DOPPLER (GYN)	12	2	4	18
MULTIPLES	136	298	74	508
CVS	49	2	0	51
PUBS	0	0	9	9
U/S GUIDANCE	93	19	78	190
INVASIVE PRO.	9	1	15	25
RH Administration	7	0	0	7
SONOHYST	54	3	0	57
3 D	200	57	12	269
TRANSVAG OB	1816	973	198	2987
TRANSVAG GYN	1576	460	82	2118
DAILY BILLABLE PROC	13241	7320	2198	22759
DAILY IN/OUT PATIENT	7899	4288	1149	13336
NO SHOW	892	125	0	1017
CANCELLED	143	101	2	246
RESCHEDULED	134	25	0	159
DELIVERED	21	15	0	36
ON CALL	0	0	197	197

**CLINICAL SUBSPECIALTY
DIVISIONS**

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2015 - June 30, 2016

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, Jaclyn Morrison MD, Jorge Carrillo MD, Amy Harrington MD, Sheila Geen DNM, Diane Hartmann MD, Jennifer Mariani PA, Katrina Nicandri MD, Ellen Tourtelot MD, Natalie Whaley MD, Mitch Linder MD, Joseph Scibetta MD, David Foster MD, MPH, Fred Howard 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 and Women's Health Practice. The division members provide preceptorships for all the resident continuity clinics at Strong Women's Health Practice.

We are very excited to have recruited two new physicians to our practice this year. Dr. Joseph Scibetta comes to us after a long career in private practice in the Rochester area. Dr. Scibetta practices general obstetrics and gynecology at our Lattimore office. We have also recently recruited Dr. Mitch Linder from a private practice background as well. Dr. Linder's practices general obstetrics and gynecology as well as specializing in disorders of the lower genital tract.

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. 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 Carrillo, 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.

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.

Jaclyn 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 last 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. Dr. Whaley is very active in our family planning program. Her areas of interest are family planning, contraception and care of the underserved.

Joseph Scibetta, MD comes to us following a long career in private practice in the Rochester area. Dr. Scibetta graduated from medical school and did his residency in Obstetrics and Gynecology at the University of Rochester. He has been a beloved attending and teacher in our system for many years, and

we are thrilled to have him join our practice as full time faculty. Dr. Scibetta practices general obstetrics and gynecology and specializes in minimally invasive gynecologic surgery.

Mitch Linder, MD also comes to us from a career in private practice. He obtained his medical degree from Temple University and did his residency in Obstetrics and Gynecology at the University of Rochester. His practice includes both general obstetrics and gynecology as well as specializing in vulvovaginal disorders. He has a special interest as well in optimization of the electronic medical record system and general practice operations. Dr. Linder also supervises residents in their staff clinics as well as on the obstetric and gynecologic hospital services.

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



Richard G. Moore, M.D. FACS, FACOG
Professor and Division Director

The Division of Gynecologic Oncology faculty also includes: Brent DuBeshter, MD, Cynthia L. Angel, M.D., Sajeena Thomas, M.D. Rakesh Singh, PhD, Kyu Kwang Kim, PhD and Jennifer Englert, FNP-C, RNFA.

PATIENT CARE

The gynecologic oncology division strives to provide the most advanced and compassionate care for women diagnosed with gynecologic cancers in our region. Following Dr. Richard Moore's recruitment as Division Director, several innovative treatment programs have been initiated. Sentinel lymph node evaluation has now been incorporated into the management of women with vulvar, endometrial, and cervical cancer. Our center is currently the only institution in the region offering this method of lymph node evaluation.

Our division has also been a leader in the adoption of a new approach to the management of advanced ovarian cancers. The use of neoadjuvant chemotherapy for advanced ovarian cancer has been more widely utilized in the past few years, and our division has been one of the first to utilize robotic surgery following this type of treatment. This approach has substantially less morbidity than primary surgery or open cytoreduction following neoadjuvant treatment. In support of this novel approach the Society of Gynecologic Oncologists and the American Society of Clinical Oncologist has issued a statement supporting the use of neoadjuvant chemotherapy with interval surgeries as one of the accepted standards of care for women with ovarian cancer.

We are committed to offering the highest standard of care to all women with gynecologic cancers in our region. In recognition of the care we provide for patients with endometrial and ovarian cancer, our team has received gold seal certification by the joint commission. Our care not only involves the acute treatment of women with cancer, but also extends to survivorship programs as well as close collaboration with the palliative care service at Highland Hospital where we now offer specially outfitted hospice rooms for end of life care.

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

Dr. Sajeena Thomas has been named the Director of Education for the Division of Gynecologic Oncology. Dr. Thomas will be responsible for organizing and running all the clinical and elective rotations for medical students and residents that come through our service. The division continues to be involved with the teaching of medical students, interns, residents and oncology fellows. There are several clinical rotations for medical students from the University of Rochester as well as for visiting medical students from other medical schools. Each division member provides lectures for the medical students and residents and are also involved in local and regional educational events. A weekly Tumor Conference continues to be popular with the residents and is attended by staff in gynecologic oncology, radiation oncology, pathology and clinical research.

RESEARCH

The research program in the Division of Gynecologic Oncology has expanded and now includes programs in basic science, translational research and clinical trials.

A Targeted Therapeutics Laboratory (TTL) in the Wilmot Cancer Institute, established by Dr. Richard Moore, now conducts basic science research in collaboration with Rakesh Singh, PhD and Kyu Kwang Kim, PhD, long time associates of Dr. Moore who have been part of his research team for the past decade. This team has been a leader in research on the novel HE4 protein that is associated with ovarian cancer. This year we received a Mary Kay Foundation grant in ovarian cancer research, the first time this national grant has been received at the University of Rochester. Research grants for ovarian and endometrial cancer over the past have totaled over \$750, 000. More recently our research has expanded into the field of liquid biopsy and the detection of circulating tumor cells in women with ovarian and endometrial cancer. The current funding and ongoing research will allow our research division to be competitive for future NIH and NCI funding.

This year also marked the establishment of our clinical trials research program. We are now members of the NRG clinical research group. The NRG is funded by the National Cancer Institute (NCI) and is responsible for planning and executing all clinical trials in gynecologic cancers for the NCI. Our program offers all the gynecologic NRG clinical trials, giving women with gynecologic cancer in our region the opportunity to participate in national trials. Our clinical trials program also offers treatment trials with industry partners studying new drugs for gynecologic cancer patients. The availability of clinical trials throughout our program now provides an opportunity for all patients to partake in national studies.

We have also established a basic science research program where undergraduates, medical students, residents and research fellows have the opportunity to perform basic science research in gynecologic cancer. This year we have been honored to have Dr. Rachael Turner join us as a research fellow. For the next two years she will focusing on research involving immune therapy for ovarian cancer. We were also honored to have Jennifer Rutishauser join our laboratory though the SCRS National Summer Research Program.

FUTURE PLANS

This year we've had tremendous growth clinically along with the establishment of an extensive clinical and basic science research program. With the establishment of the Targeted Therapeutics Laboratory, our goals are to develop new and innovative methods to diagnose and treat gynecologic cancers. With further expansion of the clinical trials program and our partnership with the Wilmot Cancer Institute, we hope

our efforts will assist the Wilmot Cancer Institute to obtain “National Cancer Institute designation.” In addition, through outreach efforts, our program will collaborate with a number of offsite oncology clinics, affording our patients the convenience of being treated closer to home.

GYNECOLOGIC ONCOLOGY CLINICAL VOLUME

<u>Clinical Activity</u>	<u>Totals</u>						
<i>Surgical Volume</i>	2010	2011	2012	2013	2014	2015	2016
Partial vulvectomy	46	54	60	49	45	36	49
Cervical conization	27	31	31	21	20	26	26
Hysterectomy (open)	78	78	61	51	24	55	70
Hysterectomy (robotic)	284	314	352	378	327	330	361
Ovarian cancer debulking	109	114	95	100	91	42	62
Radical vulvectomy	26	25	31	31	17	20	21
Radical hysterectomy (open/robotic)	29	23	27	36	24	15	19
Total Procedures	599	639	657	666	548	524	608
<i>Outpatient Visits</i>							
New patients	877	898	909	958	838	796	977
Follow-up visits	2811	2944	3210	3359	3215	3116	3735
Colposcopy	369	373	386	345	262	321	267
Total	4057	4215	4505	4662	4315	4233	4979

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 through 6/30/16), 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. (Director of OB/GYN Special Care Clinic), Erin Lemcke (Supervisor, OB/GYN Ultrasound), Heather Link, M.D., M.P.H. (Fellow effective 7/1/16), Tara Lynch, M.D. (Fellow effective 7/1/16), 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. (through 6/1/16) and Paula E. Zozzaro-Smith, D.O. (Faculty through 9/16/15). The Reproductive Genetics Service includes: Laura Martin (through 9/2/16), 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.

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 approximately 2500 office visits and over 200 deliveries, 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 approximately 200 deliveries last year and over 2000 obstetrical provider office visits, as well as over 1000 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 1300 obstetrical provider visits this last year (up again from prior year).

Strong Fetal Monitoring continues to flourish with outpatient fetal monitoring offered at Lattimore Road and Red Creek Drive as well as in triage on nights and weekends. More than 4800 outpatient non-stress tests were performed in the last year, up from 2300 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 URM locations (Lattimore and Red Creek) remains high and stable, with almost 23,000 studies on almost 14,000 patients performed between July 2015 and June 2016.

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 1100 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 over 80 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.

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. We have expanded the fellowship from 1 to 2 fellows in the first year for the 2016-17 year, and will be transitioning into the ACGME in 2016 as well.

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

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

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

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 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

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

Periodontal 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:

Bacak S, Conway C, Glantz JC, Park J, Thornburg LL, Zozzaro-Smith PE. "Association Between Obesity During Pregnancy and the Adequacy of Prenatal Care." Maternal and child health journal. 2016 Jan; 20(1): 158-63.

Glantz JC, Sheth T. "Third-Trimester Fetal Biometry and Neonatal Outcomes in Term and reterm Deliveries." *Journal of ultrasound in medicine: official journal of the American Institute of Ultrasound in Medicine*. 2016 Jan; 35(1): 103-10. Epub 2015 Dec 7.

Berghella V, Bisulli M, Saccone G, Seligman N, Suhag A. "Trends in cerclage use." *Acta obstetrica et gynecologica Scandinavica*. 2015 Nov; 94(11): 1188-94. Epub 2015 Sep 9.

Olson-Chen C, Seligman NS. "Hypertensive Emergencies in Pregnancy." *Critical care clinics*. 2016 Jan; 32(1): 29-41. Epub 2015 Oct 6.

Ehsanipoor RM, Seligman NS, Saccone G, Szymanski LM, Wissinger C, Werner EF, Berghella V. "Physical Examination-Indicated Cerclage: A Systematic Review and Meta-analysis." *Obstet Gynecol*. 2015 Jul;126(1):125-35. PMID: 26241265.

Zozzaro-Smith P, Bacak S, Seligman N. "Loeys-Dietz syndrome in pregnancy." *Case Reports in Perinatal Medicine*. Volume 4, Issue 2, Pages 113–115. August 2015.

Garner CD, Howard CR, Rasmussen KM, Ratcliff SL, Thornburg LL, Wethington E. "Discontinuity of Breastfeeding Care: 'There's No Captain of the Ship'" *Breastfeeding medicine : the official journal of the Academy of Breastfeeding Medicine*. 2016 11(1): 32-9. Epub 2015 Nov 13.

Bacak SJ, Thornburg LL. "Liver Failure in Pregnancy." *Critical care clinics*. 2016 Jan; 32(1): 61-72. Epub 2015 Oct 9.

Abstracts Presented:

Gray L, Mongelli M, Thornburg LL, Mack LM, Glantz C, Pressman E, Ozcan T. Prediction of macrosomic newborn from ultrasound biometry and maternal characteristics. (Poster presentation at International Society of Ultrasound in Obstetrics and Gynecology 25th World Congress, Montreal, Canada, 2015).

Gray L, Mongelli M, Thornburg LL, Mack LM, Glantz C, Pressman E, Ozcan T. Prediction of small for gestational age (SGA) newborn from ultrasound biometry and maternal characteristics. (Poster presentation at International Society of Ultrasound in Obstetrics and Gynecology 25th World Congress, Montreal, Canada, 2015)

FUTURE PLANS

Many exciting changes are planned for the upcoming year.

There have been several transitions within the Division of Maternal Fetal Medicine in 2015-2016. Dr Seubert left the division in June 2016, and we are actively recruiting to replace him and fill our other vacancies, with three additional faculty planned for starting in 2017-17 academic year including two MFM (Dr. Malshe and Dr. Drennan) and one MFM/genetics (Dr. Ahmed) trained faculty. Laura Martin will be leaving as genetic counselor from Reproductive Genetics and transitioning into a position in Pediatric Genetics. Recruitment is ongoing to fill this vacancy.

We are working on developing telemedicine options for consultations with patients throughout the region, and this will be going live at Twin-Tiers Women's Health in the next months. We are looking into the option for telemedicine consultation with St. Joe's Hospital in Syracuse for both in and outpatient MFM consultation needs. We will likely expand our on-site services as well to provide weekly consultation.

Additionally, the division will be taking on regional ultrasound coverage for several outside hospitals including Noyes and Auburn, as well as general ob/gyn ultrasound in an office in Noyes. This expansion of ultrasound services will allow us to effectively care ob/gyn patients throughout the region, and assure timely referral for Maternal-Fetal Medicine.

MIDWIFERY DIVISION AND ROCHESTER ADOLESCENT MATERNITY PROGRAM



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

Division Members: Michele Burtner, CNM, Elizabeth Cooper, CNM, EdD, FACNM, Tammy Farnham, CNM, Alexis Gee, CNM, Pamela Jurich-Wright, CNM, Heather Lane, CNM, Caitlin LeGros, 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, Clarissa Breedlove, LaKeisha Clark, Shannon Donaghy (Faculty Practice), 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, Katherine Ruffo, RN, Beth Park, RN, Martha Cybul, RN. **Social Work Staff:** Audry Gropp, SW, Karen Rabish, SW, Dana Bowen, Financial counselor. **RAMP Staff:** Betsy Crumb, dietician.

DEPARTURES AND ARRIVALS:

Jennifer Banda, CNM relocated back to Seattle, WA in July 2015 due to family needs.

Alexis Gee, CNM joined us in August 2015, coming from a practice in Michigan.

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. The RAMP program also functions under Midwifery, at this location. Centering pregnancy has been implemented and is quite successful for the midwives at this location.

Midwifery Faculty practice patients were seen at our new location at 125 Lattimore Road, Suite 200 as of September 2015. We are grateful for this new space which accommodates the growing volume so midwives can provide care for women 5 days/week in the Faculty practice. We no longer see patients at the Red Creek location. The hope is to expand Centering pregnancy to patients at this site as well, in the upcoming year.

The Prenatal Care at School Program (group care) continued in 2015-2016, on a trial basis as there are decreasing numbers in the program. Helene Thompson-Scott, CNM was the primary provider and liaison with the City School district. Continuation of this program will likely not occur in the upcoming year due to low volume.

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 12,000 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 23 years of continuous care to RAMP and Midwifery patients in 2015. The data for birth outcomes over this period is presented below. This fiscal year, we celebrated having reached our Midwifery practice's 10,000th birth!

<i>URMC MIDWIFERY DIVISION DELIVERY STATISTICS 1992- 2013 *</i>					
	<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
15-16	532	13	90	635	14.1
TOTAL	8805	392	1344	10541	

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. Midwives provide a lecture to the Ob/Gyn residents each year regarding physiologic birth. The Midwifery Division will take on a role in OB triage 2 days per week at SMH, as an addition to the OB team. This is a pilot project, with the hope of expanding the Division to cover this in the upcoming years. The hope would be to enhance resident education, capture of revenue, and increase patient satisfaction.

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.

Midwifery students continue to seek our practice for clinical rotation in their distance learning Midwifery programs. We recently had a midwife student (Megan Hogan-Roy) graduate from Philadelphia University and will be joining us as full time Faculty this Fall! We have 2 midwife students starting with us this Fall – Kim Kelstone (SUNY Stonybrook) and Davya Brody (Philadelphia University). Additional midwifery students are already committed to for calendar years 2016-17 and 2017-18.

The midwives serve as preceptors for Family Nurse Practitioner students from the University of Rochester and St John Fisher for ambulatory rotations. Undergraduate nursing students from Brockport occasionally spend time in the office as well. We have had some high school students (exploring Midwifery as a profession) and PA student shadow us this year as well.

RESEARCH AND PRESENTATIONS

The midwifery office provides office space for the study coordinators and the midwives participate in recruitment and collection of blood and placentas at delivery, as needed.

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

1. Old Order Mennonites: Effect of Lifestyle on Allergic Diseases (RSRB 62632) PI: John Looney, MD and Kirsi Jarvinen-Seppo MD PhD
2. Old Order Mennonites: Effect of Lifestyle on Allergic and Autoimmune Diseases, Role of the Gut Microbiome in Preventing Allergic Disease (RSRB 52971) PI: John Looney, MD and Kirsi Jarvinen-Seppo MD PhD
3. UPSIDE (Understanding Pregnancy Signals and Infant Development) (RSRB 58456) PI: Thomas O'Connor and Emily Barrett, PhD
4. Identification of Herpes Simplex Virus (HSV) Shedding in the Female Genital Tract of Pregnant and Non Pregnant Women by Xpert ½ Assay, Routine PCR, and Culture (RSRB 50383) PI: Mary Caserta MD
5. Comparison of Gabapentin and Metoclopramide for Treating Hyperemesis Gravidarum (RSRB 48512) PI: Lorelei Thornburg, MD
6. Vitamin D Dynamics in Pregnant and Non-Pregnant Women (RSRB 57617) PI: Eva Pressman, MD

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

HOSPITAL, MEDICAL CENTER, AND COMMUNITY COMMITTEES

Michele Burtner	<i>Division Director</i> Scheduling Coordinator for Division HH Breastfeeding Committee SMH/HH Credentialing and Privileging Committee L&D Service Team – SMH UR Medicine Breastfeeding – Team member Contributor for CHW program design Centering Steering Committee
Elizabeth Cooper	Member, State Board of Midwifery Highland Medical Executive Committee SMH/HH Credentialing and Privileging Committee
Alexis Gee	Contributor for CHW program design
Pam Jurich-Wright	Colposcopy Perinatal Review Committee
Heather Lane	Education/ Student Coordinator for Midwifery Division HH FMC Clinical Quality Committee Centering Steering Committee
Caitlin LeGros	Presenter at ACNM Convention in 2015 eRecord Midwifery practice representative Author, Perifacts
Rebecca Skovgaard	Division Statistician Perifax Editorial Board
Jenney Stringer	Centering Coordinator RAMP Co-Coordinator Mini Grant recipient for RAMP (2015)
Helene Thompson-Scott	Colposcopy 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

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); Shrenik Shah MS (Laboratory Supervisor); 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 URM Fibroid Center)

OVERALL

In 2015-2016, the Strong Fertility Center continued to expand our clinical offerings and focus on the clinical service. The division saw nearly 800 new patients, an increase of 11.5%. We also opened our consultation program with Associates for Women's Medicine in Syracuse offering evidenced based reproductive endocrine care to the Syracuse area. 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 more than 90 surgeries/intervention procedures. We have active research programs which saw the roll out of our participation in the Reproductive Medicine Network for infertility trials. Our research is also continuing in PCOS, 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, as well as providing ultrasound training for Emergency Medicine residents. We 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 refined our 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, introducing INVOcell, a lower cost vaginal incubation system for eggs and sperm, in the last quarter of the year. Our focus for 2015 and beyond has been to increase the implantation rate so that we can provide high pregnancy rates **with low multiple pregnancy rates**. Figure 1 shows the overall pregnancy rates and singleton pregnancy rates. 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 our frozen embryo transfer program have risen dramatically.

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. Genesis Genetics, based in Michigan, offers lower cost genetic screening of embryos so that we can offer to more couples. We began an affiliation with Fairfax Egg Bank, one of the largest frozen oocyte banks in the US to allow our patient interested in donor oocyte a diversity of candidates. 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 expanded to include our new supervisor, Shrenik Shah who joined us from Columbia University. Our embryology team also includes, Amonjot Grewal and Zahra Ridgeway. 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 seventh fundraiser in March at a new venue, The Strathallen. It was very well received with a great showing by the community. The program included patient stories and an auction and was led by Doug Emblidge. The party and silent auction benefit raised more than \$20,000 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 offer both donor and husband intrauterine insemination. Our andrology team including Rita Herko and Michelle Dibble, in addition to our embryology technicians provide 6 day a week coverage for andrology services.

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. Dr. Bhagavath directs the Minimally Invasive Surgical fellowship in the Department, training graduates in advanced pelvic surgery. 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. Dr. Bhagavath also directs the Center of Excellence in Minimally Invasive Surgery (COEMIG) at UR attaining this certification for the Department.

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 by the American Society of Reproductive Medicine to work with the American Society for Metabolic and Bariatric Surgery

(ASMBS) to compose a position paper on the impact of obesity and weight loss on fertility that will be jointly published with ACOG and ASMBS.

EDUCATION

The Reproductive Endocrine division continues to participate actively in resident and medical student education. Residents in their second year complete a total of 4 weeks of rotation in REI in 2 blocks. 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. Dr. Vitek has developed a curriculum for resident education during the 4 week rotation that includes completion of relevant ASRM education modules in REI. 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 directing the basic science curriculum during the 3rd year clerkship with Dr. Fong. 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. The faculty in the division have national and international reputations in Reproductive Endocrinology research. 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. Additionally a new collaboration with the Medicine department is looking at the influence of melatonin on metabolic disruptions 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 published guidelines. We began our affiliation with the NIH funded Reproductive Medicine Network with Dr. Hoeger 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 was an oral presentation 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 completed her research as an NIH funded Clinical Research/Reproductive Scientist Training (CREST) scholar resulting in multiple presentations and publications. Dr. Srivastava is exploring the impact of environmental exposures on granulosa cells. Dr. Bhagavath is the principal investigator on a Hologic study on menorrhagia and is developing new industry funding in myoma research.

NATIONAL/INTERNATIONAL PRESENTATIONS BY REI FACULTY:

Dr. Hoeger

1. Anogenital Distance, a Biomarker of Prenatal Androgen Exposure, Is Longer Among Newborn Daughters of Women with Polycystic Ovary Syndrome (PCOS). ES Barrett, **Hoeger, KM**, Sathyanarayana, S Redmon, JB, Nguyen, RHN, Swan, SH. 100th Annual Meeting of the Endocrine Society, Boston, MA April 2016.
2. Perceived Stress Is Associated with Higher Ovarian Reserve Among Women with Unexplained Infertility. ES Barrett, Vitek WS, **Hoeger KM**. 100th Annual Meeting of the Endocrine Society, Boston, MA April 2016.
3. Phthalate Metabolite Concentrations and Ovarian Function in Women with Unexplained Infertility. ES Barrett, Vitek WS, **Hoeger, KM**. 100th Annual Meeting of the Endocrine Society, Boston, MA April 2016
4. Impact on Ovulatory Parameters with the use of MMP Inhibitors in PCOS, MI-PCOS: A Pilot Study. A Light, S Alur, S Hammes, **K Hoeger**. 71st Annual Meeting of the American Society for Reproductive Medicine, Baltimore MD October 2015 *Oral presentation
5. Counseling Practices and Social Outcomes in Pregnancies Conceived with Assisted Reproductive Technologies. E Gable, ES Barrett, D Li, **K Hoeger**, T Dye. 71st Annual Meeting of the American Society for Reproductive Medicine, Baltimore MD October 2015
6. 6th Peacocks Symposium Debate "Are the Long-term consequences of PCOS realized?" Perugia, Italy - 10/2015
7. Invited Speaker 71st Annual Meeting of ASRM, Symposium "Personalized Care for Patients with PCOS" Baltimore MD - 10/2015
8. Invited Speaker, Pediatric Endocrinology Grand Rounds, Columbia University. "Benefits and Risks of OCs in Adolescents with PCOS" New York, NY - 9/2015

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."
2. "Infertility: Diagnosis and Treatment" **Medical Director's Council**, Planned Parenthood of America, Steamboat, CO. February 26, 2016.
3. "Thyroid Disorders in Pregnancy"; "Polycystic Ovarian Syndrome"; "Menopause and Osteoporosis" **ACOG District VIII Annual Meeting**, Big Sky, MN. January 29, 2016
4. "Sources of Trouble: Fraud, Abuse and Denied Claims." "Documentation Guidelines." and "Coding for Assisted Reproductive Technology Laboratories." Post-Graduate Course, **American Society for Reproductive Medicine, Annual Meeting**, Baltimore, MD. October 17, 2015
5. "Ovulation Induction"; "Manage and Prevent Complications in Laparoscopic and Hysteroscopic Surgery"; "Ectopic Pregnancy"; Recurrent Pregnancy Loss"
6. **23rd Annual Review of Obstetrics and Gynecology**, Lake Buena Vista, Fla. October 10, 2015.

7. "Evaluation and Management of Infertility and Ovulation Induction"; "Hirsutism and PCOS"; "Diagnosis, Medical and Surgical Management of Ectopic Pregnancy." "Reproductive Endocrinology Case Reviews", **Columbus Comprehensive Review**, Columbus, OH. September 23, 2015.
8. "CPT coding for Surgery and IVF: What You Need to Know Now." **SREI fellows Retreat**. Park City, Utah. August 1, 2015.

Dr. Lewis

1. Penn State Medical Center. CTSI mentor training workshop. (Co-presenter- Dr. Camille Martina) June 2016

Dr. Bhagavath

1. Plenary Speaker on "Use of anti-mullerian hormone to design ovarian stimulation". 3rd World Congress on Ovulation Induction and Ovarian Stimulation Protocols (WOOSP). Seychelles, September 2015
2. Speaker on "Fluid in the endometrial cavity – does it really matter for implantation success?" 3rd World Congress on Ovulation Induction and Ovarian Stimulation Protocols (WOOSP). Seychelles, September 2015
3. Speaker on "Strategies to improve endometrial thickness". 3rd World Congress on Ovulation Induction and Ovarian Stimulation Protocols (WOOSP). Seychelles, September 2015
4. Speaker on "Estrogen priming – resource or gimmick?" 3rd World Congress on Ovulation Induction and Ovarian Stimulation Protocols (WOOSP). Seychelles, September 2015
5. Moderator for Oral Abstract session on Reproductive Surgery, ASRM 2015 Annual Meeting, Baltimore, MD, October 19, 2015
6. **Bala Bhagavath, MD**, Hen Prizant MS, Stephen Hammes, MD, PhD. "Role of Dopamine Agonists in Uterine Myoma". 71st Annual American Society for Reproductive Medicine Conference, Baltimore, MD. October 20, 2015
7. Mary Towner, Ahmed Ghazi, Jonathan Stone, Jorge Carrillo, Wendy Vitek, Amy Benjamin, Gary Frishman, **Bala Bhagavath**. Simulated robot-assisted myomectomy using a 3-D printed model. *Presented at XXI FIGO World Congress of Gynecology and Obstetrics, October 2015, Vancouver, Canada*
8. Vilasagar S, Towner, M, Congelosi K, Caveglia S, Kumar D, **Bhagavath, B**. Effects of Unfractionated Heparin and Ketorolac during Obstetric and Gynecologic procedures. *Presented at 45th Annual AAGL Global Congress on Minimally Invasive Gynecology, November 2015, Las Vegas, NV*
9. Grand Rounds presentation: "Management of Uterine Fibroids in the 21st Century" Institute of Obstetrics and Gynecology, Government Hospital for Women and Children, Egmore, Chennai, India February 15, 2016
10. Grand Rounds presentation: "Leiomyosarcoma – Bogeyman or Real Threat?" National University Hospital, Singapore, February 19, 2016
11. Snigdha Alur, Smitha Vilasagar, Alexandra Jen, Erin Duecy, Kyle Wohlrab, **Bala Bhagavath**. "Do Skills Acquired with the Laparoscopic Box Trainer Transfer to the Video Simulator?" Accepted for presentation at CREOG and APGO Annual Meeting, New Orleans, Louisiana. March 2016
12. Snigdha Alur, Smitha Vilasagar, Divya Kumar, Sarah Caveglia, Erin Duecy, **Bala Bhagavath**. "Skills Acquisition and Logistical Challenges Faced by Junior Year Obstetrics and Gynecology Residents Using the Box Trainer". Accepted for presentation at CREOG and APGO Annual Meeting, New Orleans, Louisiana. March 2016

Dr. Vitek

1. Flipping the classroom for medical students and residents – let the good times roll! Council on Resident Education in Obstetrics and Gynecology & Association of Professors of Gynecology and Obstetrics Annual Meeting. Breakout session. New Orleans, LA (1 hour)
2. Novel fertility preservation therapies for women with chronic kidney disease. American Society of Nephrology Kidney Week. Womens health program. San Deigo, CA (1 hour)
3. Adolescent polycystic ovary syndrome. American College of Obstetricians and Gynecologists District II meeting. New York, NY (1 hour)
4. Explaining unexplained infertility to your patients. St. Joseph's Hospital. Ob/gyn grand rounds. Syracuse, NY (1 hour)
5. **Vitek W**, Jin S, Baker V, Styer SK, Christianson MS, Stern JE, Polotsky AJ. Anti-Mullerian Hormone Is Associated with Oocyte Yield, but Not Clinical Pregnancy or Live Birth in Obese Women: Analysis of 17,541 In Vitro Fertilization Cycles. Endocrine Society Annual Meeting (ENDO), Boston, MA
6. Styer AK, Christianson MS, **Vitek W**, Baker V, Santoro N, Armstrong, A, Polotsky AJ, Luke B. Factors association with elective single embryo transfer (eSET) utilization in the United States: a national study. 71st Annual Meeting, American Society for Reproductive Medicine, Baltimore, MD
7. Christianson MS, Legro R, Jin S, Eisenberg E, Diamond MP, Hansen KR, **Vitek W**, Styer AK. Utility of sonohysterography for tubal patency assessment in the pregnancy in polycystic ovary syndrome II trial. 71st Annual Meeting, American Society for Reproductive Medicine, Baltimore, MD
8. **Vitek W**, Jin S, Christianson MS, Styer AK, Polotsky AJ, Cedars M. Anti-Mullerian Hormone Levels Are Not Associated with Vascular Complications in Pregnancies Among Infertile Women. Endocrine Society Annual Meeting (ENDO), April 2016, Boston, MA.
9. Barrett ES, **Vitek W**, Hoeger K. Phthalate metabolite concentrations and ovarian function in women with unexplained infertility, Endocrine Society Annual Meeting (ENDO), April 2016, Boston, MA.
10. Barrett ES, **Vitek W**, Hoeger K. Perceived stress is associated with higher ovarian reserve among women with unexplained infertility. Endocrine Society Annual Meeting (ENDO), April 2016, Boston, MA.
11. Gable E, Hoeger K, **Vitek W**, Barrett ES, Li D, Dye T. Counseling practices and social outcomes in pregnancies conceived with assisted reproductive technologies. 71st Annual Meeting, American Society for Reproductive Medicine, Baltimore, MD

PUBLICATIONS

Dr. Hoeger

1. Bender EL, Best S, **Hoeger KM**, Jarrett BY, Lin AW, Lujan ME, Peppin AK, Soler S, Vanden Brink H, Willis AD. "Sonographic markers of ovarian morphology, but not hirsutism indices, predict serum total testosterone in women with regular menstrual cycles." Fertility and sterility. 2016 May; 105(5): 1322-1329.e1. Epub 2016 Jan 27.
2. Alur S, Barrett ES, LL,D, **Hoeger K**, Dye T. Disparities in pregnancy outcomes between Caucasian and African American women who conceived using in vitro fertilization (IVF). Clinical Obstetrics, Gynecology and Reproductive Medicine (COGRM) 2016 Volume 2(1): 133-136.
3. Vitek W, **Hoeger K**, Legro RS. Treatment strategies for infertile women with polycystic ovary syndrome. Minerva Ginecol. 2016 Jan 14. [Epub ahead of print] PubMed PMID: 26765152.
4. 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 Nov;104(5):1227-35 2015.

Dr. Queenan

1. First Trimester Vaginal Bleeding. John T. Queenan Jr., MD in *Protocols for High-Risk Pregnancies*, 6th edition. Wiley Blackwell 2015
2. **2015 Ob/Gyn Coding Manual: Components of Correct Procedural Coding.** American Congress of Obstetrics and Gynecology, Washington, DC. 2015

Dr. Lewis

1. **Lewis V**, Martina CA, McDermott MP, Trief PM, Morse GD, LaGuardia JG, Sharp D, Ryan RM.: A randomized controlled trial of mentoring interventions for underrepresented minorities. *Academic Medicine.* 7: 994-1001, 2016

Dr. Bhagavath

1. **Bhagavath B**; Behrman E; Salari BW; Vitek W; Barhan S; Yaklic JL; Lindheim SR "Metroplasty to treat chronic pelvic pain resulting from outflow tract müllerian anomalies." *American journal of obstetrics and gynecology*, 2015; 213(6):871.e1-3.
2. **Bhagavath B**; Benjamin A "Minimally Invasive Gynecologic Surgery for Benign Conditions:Progress and Challenges." *Obstetrical & gynecological survey*, 2015; 70(10):656-66.

Dr. Vitek

1. Styer AK, Luke B, **Vitek W**, Christianson MS, Baker VL, Christy AY, Polotsky AJ, Factors associated with the use of elective single-embryo transfer and pregnancy outcomes in the United States, 2004-2012. *Fertil Steril.* 2016 Mar 18 (Epub ahead of print)
2. **Vitek W**, Hoeger K, Legro S. Treatment strategies for infertile women with polycystic ovary syndrome. *Minerva Ginecol.* 2016;68(4):450-7.
3. Bhagavath B, Behrman E, Salari BW, **Vitek W**, Barhan S, Yaklic JL, Lindheim SR. Metroplasty to treat chornic pelvic pain resulting from outflow tract mullerian anomalies. *Am J Obstet Gynecol* 2015 Dec;213(6):871.e1-3.

Dr. Srivastava

1. "Leptin-Induced CART (Cocaine- and Amphetamine-Regulated Transcript) Is a Novel Intraovarian Mediator of Obesity-Related Infertility in Females." *Endocrinology.* 2016 Mar; 157(3): 1248-57. Epub 2016 Jan 5.

FUTURE PLANS

We are anticipating continued growth in our clinical offerings this year while we expand our efforts on continued IVF growth. We have added a new faculty member, Dr. Erin Masaba for academic year 2016-17 who recently finished her fellowship in REI at Cornell. We will continue to grow our outreach into Syracuse where we partner with Associates for Women's Health, a large private practice in Syracuse. Dr. Bhagavath will continue to grow and develop the Fibroid Center along with a sponsored national research program. Our IVF laboratory is expanding its services to include novel approaches to fertility care including INVOcell which reduces costs to patients. 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. We are a full breadth division of Reproductive Endocrinology and Infertility, serving as the only academic division in upstate New York. We look forward to continuing success.

Figure 1. Ongoing pregnancies from non-donor and, separately, donor oocyte IVF transfer cycles, SFC 2015

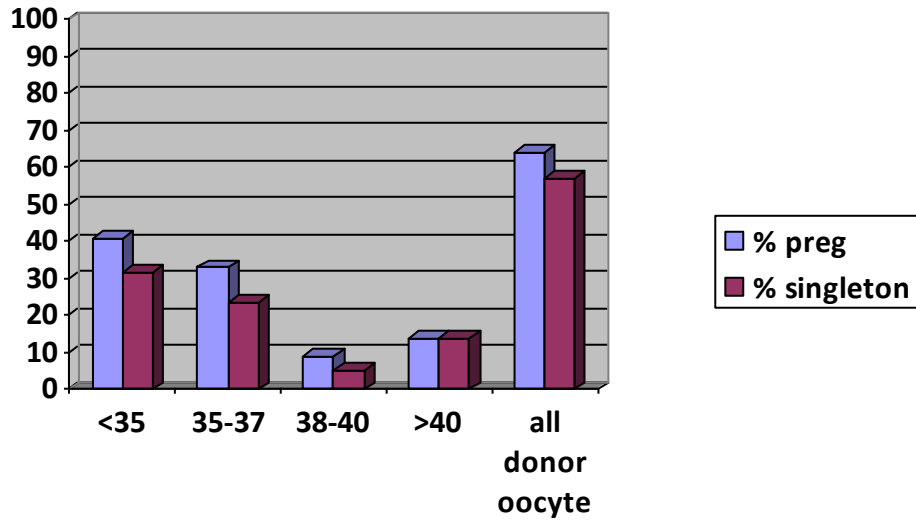


Figure 2. Ongoing pregnancies and live birth rates from frozen embryos (nondonor), SFC 2015

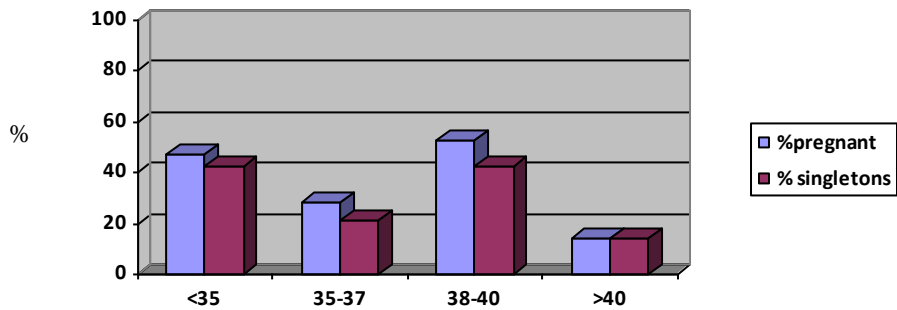


Table 1. Non IVF treatment cycles (with or without IUI) 2015

	Natural Cycle	Clomiphene	Letrozole	Gonadotropins
Total cycles	103	288	168	277
Ongoing Pregnancies	8	28	20	37
% ongoing	7.8%	9.7%	11.9%	13.3%

Table 2: Donor Sperm IUI 2015

	Natural	Clomiphene	Letrozole	Gonadotropins
Total cycles	67	70	16	37
Ongoing pregnancies	14	8	1	4
Percent viable pregnancy	20.8%	11.4%	6.2%	10.8%

Table 3: Age and Fertility non IVF treatment 2015

	<40 yrs				>40 yrs			
	Natural	CC	Letrozole	FSH	Natural	CC	Letrozole	FSH
Number of cycles	161	297	161	273	8	61	23	44
Number of pregnancies	20	34	21	39	2	2	0	2
Percent viable pregnancy	12.4%	11.4%	13%	14.3%	2/8	3.3%	0	4.5%

Table 4. % Multiple pregnancy per viable pregnancy with ovulation induction 2015

	CC	Letrozole	Gonadotropins
Twins	17.8%	15.0%	16.2%
Triplets	0	0	2.7%
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., Amy Collins, M.D. (3rd year fellow in Female Pelvic Medicine and Reconstructive Surgery) and Toy Gee Lee, M.D. (1st year fellow in Female Pelvic Medicine and Reconstructive Surgery).

CLINICAL

The availability of four full time urogynecologists has allowed us scheduling patients with pelvic floor disorders within two weeks for an initial visit. Compared to the year before, the division has increased new patients by 5% and surgeries performed by 16%. With the focus on performing minimally invasive procedures for both prolapse reduction and continence repairs, including vaginal, laparoscopic and mini-laparotomy approaches, the hospital stay for our patients has been drastically decreased. Outpatient procedures have increased by close to 60%.

The division of Urogynecology has increased collaborative efforts with members of the divisions of colorectal surgery and urology. Colorectal surgery has relocated their physiology lab to 500 Red Creek; and Dr. Jenny Speranza, colorectal surgeon, is now seeing women and men with colorectal disorders one day per week at this site. Dr. Gareth Warren, Urology, is also seeing women and men with neurogenic bladder and other lower urinary tract dysfunctions once weekly out of 500 Red Creek. This represents the first step towards an integrated multi-specialty center for the evaluation and treatment of pelvic floor disorders in both women and men. In order to reflect this expansion in services, the former Urogynecology office at 500 Red Creek has been renamed “UR Medicine Adult Pelvic Health & Continence Care”.

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 again 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 URMIC interns. She also participated as instructor for a series of lectures as part of the Minimally Invasive Gynecology Curriculum for Nursing at URMIC.

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, prevention of urinary tract injuries in gynecologic surgery, anxiety and surgical outcomes of prolapse surgery, Curriculum vitae in academia.

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 submission)

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

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, completed, manuscript in submission)

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 submission)

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), 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, Toy Gee Lee. My Chart Project (Ongoing)

PRESENTATIONS AT SCIENTIFIC MEETINGS

Gunhilde Buchsbaum, invited speaker. October 2015 - 10/8/2015 International Incontinence Society (ICS) 45th Annual Meeting, Montreal, Canada "Pelvic floor symptoms in women survivors of gynecologic cancer."

Gunhilde Buchsbaum, invited faculty round table discussion. October 2015 - 10/8/2015 International Incontinence Society (ICS) 45th Annual Meeting, Montreal, Canada "Pelvic floor dysfunction in cancer survivors after radical pelvic surgery and radiation."

PUBLICATIONS

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

Wiseman BL; James GD; Burgoon A; Buchsbaum GM "A Topical Regimen for the Treatment of Provoked Vestibulodynia: Protocol and a Retrospective Case Series". J Womens Health, Issues Care. 2016 5:4: 1-5.

FUTURE PLANS

The primary goal for the upcoming year is to formally open the multispecialty- center for Adult Pelvic Health and Continence Care. 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.

Overall, a regional Center for Continence Care will provide improved care of patients with incontinence as measured by outcomes to be recognized as a national center of excellence in continence care within the next few years.

EDUCATIONAL PROGRAMS

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2015 - June 30, 2016

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
2007	4
2008	10
2009	3
2010	4
2011	7
2012	8
2013	4
2104	5
2015	5
2016	6

Six students in the Class of 2016 chose Ob/Gyn as a career choice and successfully matched. These students and match sites are listed below.

Class of 2016

Sara Ackroyd
Sarah Pearl-Aronow
Erin Lauer
Hannah Niebulski
Emily Redman
Kristina Warner

Temple University Hospital - PA
Kaiser Permanente – Oakland, CA
Mountain Area Health Ed Ctr - NC
Maine Medical Center - ME
UPMC Medical Education - PA
University of Buffalo SOM - NY

During the fall of 2016, three students from the University of Rochester School of Medicine and Dentistry are applying to residency programs in Obstetrics and Gynecology. The three 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.

2016 APGO Excellence in Teaching Award—Colby Previte, 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 2015, Dr. Ellen Tourtelot 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 complete a 5-week clinical obstetrics and gynecology clerkship with students working at one of three clinical sites – Highland Hospital (University of Rochester), Rochester General Hospital (Rochester Regional Health), or Strong Memorial Hospital (University of Rochester). 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 oncology offerings 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 required components of the physical examination, clinical diagnoses, and procedure skills.
- Continued assessment of strengths and weaknesses of the clerkship, with collaboration between the site coordinators for shared improvement.
- Focused teaching to the OB/GYN residents regarding Teaching, Learning and Feedback for medical students.
- Focused meetings with residents and faculty at all three clinical sites 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.
- Integration of Chair Rounds, 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 – Kristen Burhans, M.D., who took over from Katrina Nicandri, MD in April 2016.

3rd Year/4th Year Students

There are several fourth year student electives and sub-internships in obstetrics and gynecology. Dr. Christopher Glantz is the Course Director for the Maternal Fetal Medicine elective, the OB/GYN Sub-Internship, and is the Co-Course Director along with Dr. Katrina Nicandri 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 joined 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 2015/2016 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
Jillian Dodge, DO	University of New England College of Osteopathic Medicine
Matthew Gevelinger, MD	University of Wisconsin School of Medicine and Public Health
Katrina Heyrana, MD, PhD	Pennsylvania State University College of Medicine
Danielle Krueger, MD	University of Minnesota Medical School
Rachel O'Connell, MD	University of North Carolina at Chapel Hill School of Medicine
Erin Scott, MD, PhD	Medical College of Georgia at Georgia Regents University
Arti Ajmani Taggar, MD, MPH	University of North Carolina at Chapel Hill School of Medicine
Elizabeth Whinston, MD, PhD	The Commonwealth Medical College

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 Laura Melcher, MD and Raksha Soora, MD (administrative chiefs), Stefanie Hollenbach, MD and Daniel Terk, MD (third year representatives) 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, 2016 and complemented by the Chief Resident Dinner and Awards Ceremony held at Casa Larga in June.

RESEARCH DAY ACTIVITIES

May 5, 2016

RESEARCH PAPERS AND PRESENTATIONS

Resident Papers:

“Women’s representation in government as a predictor of women’s health outcomes”

Presented by Elizabeth Bard, MD

“The express study: Immediate postpartum breast pump use and infant formula supplementation at one month”

Presented by Lauren Coyle, MD

“The rise of female sterilization vs LARC among women in Latin America: A closer look at Colombia”

Presented by Beatriz Folch Torres-Aguiar, MD

“A precursor survey to the scheduled prophylactic antiemetics for reduction of emesis with doxycycline (SPARED) trial”

Presented by Whitney Hanan, MD

“Evaluating quantity of antenatal transplacental cell exchange: the EQUATE study”

Presented by Stefanie Hollenbach, MD, MS

“Geographic disparities in access to abortion services in Western New York”

Presented by Tessa Reisinger, MD

“Adherence to recommended cervical cancer screening based on HPV vaccination status”

Presented by Daniel Terk, MD

35th ANNUAL JEROME H. RUDOLPH MEMORIAL LECTURE

“Periviable Pregnancies: Decision Making Under Uncertainty”

Presented by Aaron B. Caughey, MD, PhD

Professor and Chair, Department of Obstetrics and Gynecology

Associate Dean for Women’s Health Research and Policy

Oregon Health & Science University School of Medicine

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: **Marika Toscano, 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: **Corrie Anderson, DO**

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: **Miranda Harris Glocker, MD** (Highland Hospital)
Amy MacDonald, 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: **Mary Towner, 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: **Elizabeth Bard, MD**
2nd place winner: **Daniel Terk, MD**
3rd place winner: **Lauren Coyle, 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: **Laura Pekman, MD**

Administrative Chiefs for 2015/2016:

Laura Melcher, MD and Raksha Soora, 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: **Denise Gruttadaro, RN**

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: **Stefanie Hollenbach, 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: **Chinedu Nwabuobi, 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: **Ferdous Zannat, 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

Recipient: **Mary Towner, 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.

Recipient: **Elizabeth Bard, MD**

OTHER AWARDS/OPPORTUNITIES DURING 2015/16:

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: **Corrie Anderson, DO**

ASRM 2015 Resident Reporter Program in Baltimore, Maryland

The recipient of this program attends the Annual American Society for Reproductive Medicine (ASRM) Meeting and reports back to colleagues on the meeting presentations.

Recipient: **Ethan Gable, 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: **Colby Previte, MD**

CREOG 2016 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: **Jorge Carrillo, 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: **Snigdha Alur, 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: **Stefanie Hollenbach, MD**

The 2016 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: **Katherine Congelosi, MD**

The 2016 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: **Daniel Terk, MD and Ferdous Zannat, MD**

FF THOMPSON HOSPITAL

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2015 - June 30, 2016

FF THOMPSON HOSPITAL

PATIENT CARE

FF Thompson continues to provide care to low-risk obstetrical patients. Since it is now the only hospital in Ontario County to provide inpatient obstetrics, the hospital's census continues to rise and we expect to see a 10% increase in 2016 compared to 2015. The affiliated practices have added two Family Practitioners, and one Certified Nurse Midwife (total of three) to the ranks of delivering providers.

In 2016, FF Thompson received Advanced Certification from The Joint Commission as a Center of Excellence for Perinatal Care. FF Thompson becomes the eighteenth center in the US, and the only center in New York State outside of NYC. The hospital was also recognized as an Excellus Blue Center of Distinction +, citing the zero rate of unindicated early elective deliveries as well as the provision of cost-effective care.

Our breastfeeding rate is consistently above 80%, and HCAHPS scores consistently above the 90th percentile.

EDUCATION

A robust program of experiential learning using simulation and de-briefing continues to grow, this year adding Maternal Hemorrhage and Massive Transfusion Protocol to the learning path. Neonatal Resuscitation will be offered in November for all providers and nurses.

The nurses are participating in GNOSIS, a learning platform offered through APS and supported by our risk retention group, MCIC. They have completed Shoulder Dystocia and Maternal Hemorrhage, and will complete the assessment portion of Electronic Fetal Monitoring by December 31st.

The hospital continues to host nursing students from three area colleges, and this year Jennifer Orcutt, CNM, precepted a midwifery student from the Frontier School.

FUTURE PLANS

Currently at the architect for final plans is a Lactation Support Suite, adjacent to the Birthing Center. The suite will provide new office space for the Lactation Consultants, a private consultation area, and a small gathering area. It will also create two additional rooms for associates who have returned to work breastfeeding to pump and store their breast milk.

We are recruiting for additional physician providers.

HIGHLAND HOSPITAL

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2015 - June 30, 2016

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

RESEARCH

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2015 - June 30, 2016

RESEARCH DIVISION

DEPARTMENT HIGHLIGHTS

- ◆ 16 New Grants in the Department with anticipated total costs of \$4,198,610
- ◆ 56 Active NIH and non-NIH Grants in the department with total costs of \$14,388,193
- ◆ 57% of the PhD or MD faculty members are PI on a grant
- ◆ 48% of the MD faculty members are PI on a grant

RESEARCH DIVISION HIGHLIGHTS FOR 2015 – 2016

1. **5 New Grant Awards for Research Faculty:**
 - a. *Emily S. Barrett, Ph.D.* NIH Grant in the amount of \$2,623,976 for “Prenatal anxiety, androgens and sex-dependent development (UPSIDE)”
 - b. *Timothy De Ver Dye, Ph.D.* from NIH Fogarty International Center in the amount of \$56,589 for “Multilevel Social Ecological Mechanisms Facilitating Maternal Health Improvement in Central and Latin America
 - c. *Timothy De Ver Dye, Ph.D.* from New York State AIDS Institute in the amount of \$115,000 for “Web Resources for Expanded HIV Testing NYS (EHT)”
 - d. *Timothy De Ver Dye, Ph.D.* from New York State AIDS Institute in the amount of \$2,391,846 for “Component C: Resource Center for Excellence (CEI)”
 - e. *Timothy De Ver Dye, Ph.D.* from New York State AIDS Institute in the amount of \$95,002 for “Linkage, Retention and Treatment Adherence (LRTA)”
2. **35 Peer-Reviewed Publications** in journals including: PLoS ONE, Obstetrics and Gynecology, Placenta, Ultrasound in Medicine & Biology, American Journal of Obstetrics and Gynecology, Trophoblast Research, Birth Defects Research C, Epigenetics, Journal of Midwifery and Women’s Health, Physics in Medicine and Biology, The Journal of Urology, Journal of Bone and Mineral Research, BMC Urology, Chinese Journal of Integrative Medicine, Arthritis Research & Therapy, Breast Cancer Research, Paediatric and Perinatal Epidemiology, Fertility and Sterility, Endocrinology, The Journal of Clinical Endocrinology and Metabolism., Maternal and Child Health Journal., BMC Bioinformatics, Perspectives on Sexual and Reproductive Health, Clinical Obstetrics, Gynecology and Reproductive Medicine, Journal of the American Medical Informatics Association, Journal of Medical Internet Research: Public Health and Surveillance, Journal of Smoking Cessation
3. United States Patent NO.: RE45,916 Issued Date: 03/08/2016 Title: Intraoperative Imaging of Renal Cortical Tumors and Cysts Inventors: Dragan J Golijanin, Ronald W Wood, Edward M Messing
4. *Drugs During Pregnancy and Lactation: Treatment Options and Risk Assessment.* Academic Press, Edition 3. 2015. Ch. Schaefer, P. Peters and RK Miller (editors)

FACULTY

In 2016, **Emily S. Barrett, Ph.D.** was promoted to Associate Professor of Obstetrics and Gynecology at the University of Rochester School of Medicine and Dentistry and given a secondary appointment in the Department of Public Health Sciences. Dr. Barrett’s work continues to focus on how early life exposures (particularly prenatal) program subsequent health and development. In fall 2015, Dr. Barrett was awarded

R01 funding from NICHD to study how prenatal anxiety affects child development with a particular focus on sex differences. The study, Understanding Pregnancy Signals and Infant Development (UPSIDE), is currently recruiting Rochester area pregnant women and will continue until 2020. In 2016, Dr. Barrett was awarded supplemental funding from URM's NIEHS-funded Environmental Health Sciences Center's Integrated Health Sciences Facility Core to conduct gold-standard 24-hour recall dietary assessments in this cohort. In addition to her work on the UPSIDE study, Dr. Barrett continued to lead the Rochester center for The Infant Development and Environment Study II (TIDES II). The study started recruiting pregnant women in 2010 and has followed their children ever since. In this phase of the study, the team is investigating whether phthalates, a class of endocrine-disrupting chemicals, affect certain aspects of brain development. The Rochester team started conducting study visits in late 2015 and study activities will continue through 2020.

Last year, Dr. Barrett published six manuscripts in leading journals including Fertility and Sterility and Endocrinology, with additional papers in press and under review. Dr. Barrett and colleagues also presented the results of their research at several large national and international meetings in 2014-2015 including the International Society for Environmental Epidemiology, ENDO (the Endocrine Society), and the American Society for Reproductive Medicine. Dr. Barrett continued to serve on the editorial board of two leading journals, Fertility and Sterility and Hormones and Behavior. She was named one of the top three reviewers of the year at Fertility and Sterility and was profiled in the journal in that capacity. She was also named to the top 10% of reviewers for Human Reproduction. Dr. Barrett served on the Board of Directors of Rochester's Healthy Baby Network, a not-for-profit organization seeking to improve local maternal-child health. She 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 and in Spring 2016, co-taught a course in Public Health Sciences (Medical Ecology).

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, a Fellow and Chartered Geographer with the Royal Geographic Society (London) 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. Dr Dye is PI of the NIH-funded Predoctoral Training Program (TL1) for the CTSI and Co-Directs the doctoral program in Translational Biomedical Science. Finally, Dr Dye is PI of and directs the CDC's Global and Territorial Health Research Network Coordinating Center, based at the University of Rochester.

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 (Teratogen Information Service for New York, Illinois, Indiana, 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 has been 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 have been 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 Drs. Lauren Miller, Katzman, Darrah and Stodgell 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 funded by the RW and MS Goode Fdn. 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-Nellenbach, 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 two recently funded NIH study (UPSIDE: PI Barrett; ECHO: T O'Connor, RK Miller) examining Maternal Anxiety, Androgens, and Sex-Dependent Development, Placenta function and pathology and five year follow up studies of the children. 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. 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 GSK Belimumab Pregnancy Registry. He is also a member of the scientific review board for TERIS, the on-line Teratogen Information Service. Dr. Miller received the 2016 Narsingh Agnish Education Fellowship and spoke on TERATOLOGY: Expanding Educational Approaches for Health Care Providers, Regulators, Scientists and Counselors. He also received the 2016 Senior Placentology Award from the International Federation of Placenta Associations and gave a lecture entitled: Placenta Toxicology – Susceptibility, Assessment and Contributions to Reproductive and Fetal/Neonatal Outcome, He has been an invited speaker on several occasions this year including the Teratology Society (San Antonio, Texas) Title: Predicting Fetal and Newborn Health - the Role of the Placenta, Federation of Placenta Association 2016 Meeting (Portland, Oregon), and Organization of Teratology Information Services (OTIS) (San Antonio, Texas) Title: How to Evaluate Workplace, Environmental and Home

Exposure: Their Risks during Pregnancy. 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* and published eight papers and fourteen abstracts in *Physics Medicine and Biology*, *J Ultrasound in Medicine and Biology*, *Am. J. Obstetrics and Gynecology*, *J. Midwifery and Women's Health*, *Placenta*, *Epigenetics*, and *Birth Defects Research C*.

Shawn P. Murphy, PhD, and his research team, Courtney Olson-Chen MD, 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 previously 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 placental tissue. We subsequently utilized WMIF to characterize placental cell responses to interferons (IFN-I and IFN-II), which are pro-inflammatory cytokines that play critical roles in activating immune responses to tumors, viruses and intracellular bacteria. Our studies demonstrate that trophoblast subpopulations differentially respond to IFNs. Dr. Murphy and Mr. Pyon are currently investigating the molecular mechanisms involved in regulating differential IFN responsiveness in trophoblast cell subpopulations, and identifying the subsets of interferon responsive genes that are expressed in trophoblast.

Our preliminary studies in trophoblast cell lines demonstrate a direct correlation between trophoblast responsiveness to IFNs and the capacity of IFNs to protect against subsequent viral infection. Thus, Dr. Olson-Chen is studying the capacity of lymphocytic choriomeningitis virus (LCMV) and vesicular stomatitis virus (VSV) to infect the human placenta during gestation. Furthermore, she is investigating the role of IFNs in viral infection of the placenta. These studies have particular significance because of the explosive spread of Zika virus across the Americas and Caribbean.

Infections by food borne pathogens such as *Listeria* and *Salmonella* represent a substantial 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. Mr. Perry's studies to date demonstrate that *Salmonella typhimurium* (*S.Tm*) can infect human placental explants from all stages of pregnancy tested, but the bacteria do not appear to replicate once within the placenta. WMIF analysis indicates that the bacteria are restricted to the syncytiotrophoblast layer that is exposed to maternal blood, and to extravillous trophoblast cells that invade the uterine wall. Together, these results suggest that although *S.Tm* can infect the placenta, the trophoblast cells may have the capacity to prevent replication and transmission to the fetus. We are currently investigating the mechanisms involved in inhibition of *S.Tm* replication within the trophoblast layer of the placenta. Confocal microscopy analysis also revealed that *S.Tm* lipopolysaccharide (LPS) is shed within the infected trophoblast cells. Thus, although the bacteria may not replicate in the human placenta, *S.Tm* infection may result in a placental inflammatory response that could be detrimental to the fetus and/or mother. We are currently investigating this phenomenon by measuring cytokine production in infected tissues.

One of the original faculty members for the Human Placenta Biology Workshop at Queen's University in Kingston, Ontario, Canada, Dr. Murphy has lectured in the course for the past ten years. The course provides an intensive introduction to the biology of the human placenta, and trophoblast cells in particular, to clinicians, principal investigators, postdoctoral fellows and PhD students interested in pursuing pregnancy research. Over 190 students from thirty five countries have now completed the course. Dr. Murphy gives lectures on the molecular biology and immunology of the placenta, and the utility of the WMIF method. He also provides a laboratory demonstration on placental WMIF.

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 bladder cancer recurrence utilizing specimens from a large multi-institutional clinical trial. Dr. Reeder is collaborating with Drs. Paula Doyle and Ronald Wood in developing near-infrared fluorescence imaging technology for use in surgery and non-invasive medical procedures. Several issued and pending patents have been generated from this work. Prototype devices have been fabricated and tested and Dr. Reeder is working toward licensing, regulatory approval, manufacture, and distribution in concert with UR Ventures. He is collaborating with investigators in the Orthopedics and Rheumatology Departments on a clinical trial utilizing near-infrared fluorescence for assessing lymphatic flow in rheumatoid arthritis. His prior work established a genetic association of a polymorphism in the SCN9A gene with bladder pain syndrome. SCN9A encodes a protein central to pain perception and the gain of function polymorphism appears to play a role in acquired chronic pain conditions. Dr. Reeder is collaborating on a grant funded project at the Syracuse Veterans Administration Medical Center to determine if this polymorphism may influence response to opioid therapy in chronic pain patients.

Richard W. Stahlhut, M.D., M.P.H. Research Assistant Professor, is currently consulting with URMC faculty Kirsi Jarvinen-Seppo, M.D., Ph.D. and Camille Martina, PhD on a study which will compare the prevalence of food allergy in the Old Order Mennonite community with that of the U.S. population as represented by the CDC NHANES national data. He co-authored a study (letter) published in the Ann Allergy Asthma Immune regarding 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 also working on a translational study with basic scientist Fred vom Saal PhD who is internationally-known for his work on the hormonally-active contaminant bisphenol A (BPA), specifically, a study of 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, along with Dr. Richard K. Miller and Dr. Morton Miller are studying teratogenic synergism that may occur when the fetus simultaneously experiences multiple teratogenic exposures. Dr. Stodgell is also participating in a study to examine the effects of maternal anxiety on placental development. He is also working with a team of scientist from the department and from the Hajim School of Engineering on to develop better ultrasound imaging methods of the placenta. 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, and placental imaging. In addition to his research Dr. Stodgell sits on the Teratology Society's council as the society's treasurer. He is the 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, and genetics and psychopharmacology, as well as a group mentor for the Process of Discovery course taken by 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 that have 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, and provides internal support for the Amira 3D software suite. Multimodal imaging of placental structure and function is an emerging research focus of a large collaborative team within the department, medical center, and across campus. 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, Lioudmila Lipetskaia, 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, Lianping Xing, Homaira Rahimi, Chris Ritchlin and others in the Center for Musculoskeletal Research. The laboratory of Dr. Wood continues to provide research experience for graduate students, residents and fellows in these departments.

PROGRAMS, CENTERS AND SERVICES

NYS AIDS Institute's Clinical Education Initiative Resource Center of Excellence. The NYS AIDS Institute-funded Clinical Education Initiative (CEI) – accessible at www.ceitraining.org - provides the online knowledge management learning platform to thousands of practitioner-learners globally each year, and a model for peer-peer learning through its installation of the ECHO® (Extension for Community Healthcare Outcomes) initiative, specifically targeting HIV/AIDS-related content. CEI is designed to enhance the capacity of New York's diverse health care workforce to deliver clinical services to improve health outcomes related to HIV, sexually transmitted diseases (STDs) and hepatitis C (HCV). The aims of the CEI are fourfold: provide progressive HIV, HCV and STD education to clinicians; disseminate AIDS Institute clinical practice guidelines; expand the base of providers able to diagnose and care for HIV, HCV and STD patients; and foster partnerships between community-based providers and HIV, HCV and STD specialists.

The CDC-funded **Global and Territorial Health Research Network Coordinating Center** (www.globalresearchnetwork.net) based at the University of Rochester's Department of Obstetrics and Gynecology provides a cross-institutional collaboration model focused on technology and public health in Low and Middle Income Country settings, with an emphasis on mixed methods informatics research. The Global Network, in partnership with U Illinois and Yale, collaboratively conducts, shares, and translates innovative chronic disease prevention research in low-resource settings, particularly those relevant to the U.S. Affiliated Pacific Islands, Puerto Rico, and the U.S. Virgin Islands. The ultimate aim is to put such research into practice domestically and around the world.

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.mothersbaby.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 2015-2016, members of ORA included: Emily Barrett and Rebecca Rowley, co-Directors; Sajitha Veetilakath, Staff Accountant; Ken Edell, Data Base Manager; Sarah Caveglia, Heather Fiore, Lynda Kochman, Divya Kumar, Jessica Brunner, and Hillary Rich, Study Coordinators; Val Pylon, Technician; Ian Perry, Graduate Student.

SUMMARY

In fiscal year 2015-2016, the Office for Research Administration (ORA) in Ob/Gyn managed over \$14 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, leads 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 and PI of its pre-doctoral training award (TL1).

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 2015-2016, 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 2015-2016 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 21 PIs in the Department of Ob/Gyn to develop and submit 35 new grant proposals this year, including 5 NIH proposals and 30 applications to other funding agencies (departmental, 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 meetings, e-mails, and the ORA website.

SERVICE PROGRAMS

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2015 - June 30, 2016

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.

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. UPP functions as an interprofessional approach to unit improvements, and we often collaborate on barriers to efficient care without even knowing that is what we are doing! While not necessarily an UPP project, we did make some changes to 3-1400's work spaces to facilitate HIPAA compliance, dedicate a space for charting and comprehensive discussions of complicated patients. A great initiative that has evolved from this has been "Situational Awareness"; a truly interprofessional review of the service twice a day. Nursing, Nurse Practitioners, Pediatricians, Attendings, Residents, Anesthesia teams, and med students all gather to assess workflow for the day, identify potential safety and quality issues, and share learning from patient presentations. This has been extremely helpful in appreciating patient placement issues. We have also identified space issues within the room and on the unit, and are very excited to be engaged in conversation with architectures to enhance productivity and efficiency of work spaces in the unit! More to come!

Meanwhile, 3-1200 has completed their renovation, noting an increase in the number of private rooms as part of a similar renovation style. The rooms are styled similarly to the Birth Center, offering a home-like appearance with calming colors and soft wood tones to try to reduce the anxiety related to a hospital admission.

On top of the physical changes, we have seen many personnel changes this past year. Kristy Reinhart has stepped in as nurse manager to 3-1200, and Tara Histed, who recently received her CNS has accepted the position of service educator. We have also seen additional changes to our assistant nurse manager roles as we continue to realize the potential in our Strong nursing staff.

Speaking of Strong nursing staff, we are proud of the great contributions to improved practices! 312 has embarked on a restructuring and rejuvenation of their Unit Council, in conjunction with many leadership changes. Currently, a 312 nurse has embarked on a retrospective chart review with a resident to explore recommended guidelines of care for patients on Magnesium. 314 has taken on new challenges – in addition to the increased acuity of patients they see, they also now see postpartum patients and manage ectopic pregnancy, thus improving ED congestion and the patient experience of care. We are pleased to be in partnership with our NICU colleagues to improve newborn antibiotic stewardship. This past spring, Birth Center nurses were instructed on the use of a new early onset sepsis calculator which they apply to all babies over 36 weeks. The predictive value has been well vetted and we are seeing a decrease in unnecessary antibiotic use and the associated pitfalls. The service has seen fantastic growth in breastfeeding initiation and exclusivity; the laborious bedside support and implementation of skin to skin in the operating room have been tremendous catalysts. We also introduced the availability of a clear drape for c-sections; mom and partner together now can watch the baby emerge from the womb.

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 champions 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. In fact, there will be a newly developed dashboard of quality

indicators available on the unit for display by the end of 2016. This past year, we introduced GNOSIS learning modules in conjunction with MCIC and will also be continuing interdisciplinary simulations with Chris Arnold, including new teams as well as ongoing work with other departments.

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

Tara Histed, MS, RN, CNS

Christine Arnold, MS, RNC CHES

Nurse Managers

Kristy Reinhart BSN, RNC 3-1200

Barb Maier, BSN, RNC 3-1400

Lynn Frenett, MS, RNC 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. Many of the 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 address many of the social determinants of health. The process includes 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	1 FTE
Michelle Siembor LMSW	.75FTE

GRANT SUPPORTED PROGRAMS

The Social Work Division has partnered with the Healthy Baby Network to implement case management for patient enrolled in Centering 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 are in the second year of implementing 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 taken the lead in the DSRIP Project, Increase Support Programs for Maternal Child Health utilizing expansion of the Baby Love program as the community health worker model to enhance both maternal and infant outcomes for Monroe County. Through this initiative Baby Love social work assessments and ongoing services are documented in the e – record allowing for greater integration with women's health services.

COMMUNITY COLLABORATIVES

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.