

**DEPARTMENT OF
OBSTETRICS AND GYNECOLOGY**
Annual Report for July 1, 2013 – June 30, 2014



**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, 2013 - June 30, 2014

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MESSAGE FROM THE CHAIR



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

In my first year as Chair, I have spent a lot of time learning new things about the department, the institution and the community in which we live and practice. In many ways, though the goals of delivering the best, evidenced based care available remain stable, the way in which care is delivered and reimbursed often feels like a moving target. As of mid April over 1.3 million New Yorkers have completed applications through the NY State Health Plan Market Place and almost 1 million have enrolled. Numerous discussions are underway regarding transition to an outcomes based, capitated health care delivery system, mergers and affiliations of regional hospitals, and changes in how the education of our residents will be financed in the future. And yet, other than the sometimes heightened sense of impending financial difficulties, what we do on a day to day basis remains unchanged. While we clearly need to be forward thinking and position ourselves for success in the future, changing too rapidly in this time of flux currently seems ill advised.

And so, we continue to do what academic and community affiliated Ob/Gyn departments do best. We provide excellent patient care, with almost 600 “Strong Stars” for faculty, residents and staff since last July. We train the best medical students, residents and fellows, with University of Rochester students matching in some of the finest Ob/Gyn residency programs in the country, our new intern class composed of some of the most competitive applicants, and our graduating residents and fellows taking excellent faculty and fellowship positions. We continue to do innovative and ground-breaking research with 26 peer-reviewed publications emanating from our department since July and over \$960,000 in research dollars awarded to our faculty this academic year. And finally, we continue to recruit faculty to support and advance our services in Maternal Fetal Medicine, General Obstetrics and Gynecology, Urogynecology and Gynecologic Oncology, Midwifery and Research.

Upon completing my first year as chair, I have remained impressed by my colleagues and proud of this department and its faculty and staff. The Department of Obstetrics and Gynecology continues to make great strides in the services provided to our patients, the education provided to our students, residents and fellows, and the knowledge uncovered through our research. 2013-14 has been notable for many changes and accomplishments. Here are a few of the highlights:

- We have 16 new faculty in our Research, General OB/Gyn, Urogynecology, Maternal Fetal Medicine, Highland, and Midwifery Divisions as well as in our part-time faculty.

- We have recruited another amazing class of residents as well as fellows in Maternal Fetal Medicine and Advanced Laparoscopic Surgery.
- We welcomed Lake Affect Ob/Gyn & Midwifery Care to Strong Memorial Hospital
- We congratulated Michele L. Burtner, C.N.M., M.S., Jeffrey R. Fichter, M.D., Mary E. Ciranni-Callon, D.O., Julie C. Sandruck, M.D., and Lorelei L. Thornburg, M.D. on their promotions.
- We have started a Centering Group Prenatal Care Program at Lattimore and Culver Road as well as continuing the long-standing group approach for our Rochester Adolescent Maternity Program.
- Our collective faculty have published 52 peer reviewed articles, presented 31 abstracts and secured \$2,429,354 in grant funding.

And we have great plans for the coming year. The Generalist and Midwifery Divisions will be moving to new space on Lattimore Road. Recruitment is planned for Gyn Oncology, MFM, Highland, and the Generalist Divisions. A Comprehensive Continence Center is planned for Red Creek Drive. Expansion of our Family Planning Services and training program is in the works.

Though there may be challenges and changes on the health care horizon, I am confident that our department will continue to be a shining example of how academic faculty and community providers can work together to provide the best care, education, and investigative spirit in the field of Obstetrics and Gynecology.

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. (effective 9/1/13)

Erin E. Duecy, M.D.

Timothy De Ver Dye, Ph.D. (effective 1/1/14)

Professor

Cynthia L. Angel, M.D.

Gunhilde Buchsbaum, M.D.

Timothy De Ver Dye, Ph.D. (effective 1/1/14)

Brent DuBeshter, M.D.

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

Diane M. Hartmann, M.D.

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

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

Vivian Lewis, M.D.

Richard K. Miller, Ph.D.

Eva K. Pressman, M.D.

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

Joseph J. Scibetta, M.D. (effective 11/1/14)

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

Professor Emeritus

Marvin S. Amstey, M.D.

Elizabeth M. Cooper, C.N.M., Ed.D. (effective 11/1/14)

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

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

Anthony H. Labrum, M.D.

Morton W. Miller, Ph.D.

Robert C. Tatelbaum, M.D.

Henry A. Thiede, M.D.

Adjunct Professor

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

Kimberly O. O'Brien, Ph.D.

Associate Professor

Balasubramanian Bhagavath, M.D.

Adrienne D. Bonham, M.D.

Erin E. Duecy, M.D.

Constantino Fernandez, M.D.

Monique Ho, M.D. (terminated 7/31/13)
Shawn P. Murphy, Ph.D.
Tulin Ozcan, M.D.
Ruth Anne Queenan, M.D., M.B.A.
David E. Seubert, M.D., J.D.
Rajesh K. Srivastava, Ph.D.
Loralei L. Thornburg, M.D. (effective 4/1/14)
Eugene P. Toy, M.D. (to Clinical Associate Professor effective 10/4/13)

Research Associate Professor

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

Assistant Professor

Emily S. Barrett, Ph.D.
Amy R. Benjamin, M.D.
Sarah J. Betstadt, M.D., M.P.H.
Brianna M. Brandt-Griffith, M.D. (terminated 6/6/14)
Jorge F. Carrillo, M.D. (effective 7/1/14)
Joan W. Chisholm, M.D. (to Clinical Assistant Professor effective 8/1/14)
Paula J. Doyle, M.D. (effective 9/1/14)
Tara L. Gellasch, M.D. (terminated 12/31/13)
Amy R. Harrington, M.D.
Lioudmila V. Lipetskaia, M.D. (effective 10/1/13)
Marcy C. Mulconry, M.D. (to Clinical Assistant Professor effective 9/29/14)
Jacqueline T. Nasso, C.N.M., M.S.
Katrina F. Nicandri, M.D.
Brittany M. Paivanas, M.D. (effective 9/1/14)
Sandy K.S. Perry, M.D. (terminated 7/31/14)
Sraddha S. Prativadi, M.D. (effective 10/6/14)
Colby A.H. Previte, M.D.
Neil S. Seligman, M.D.
Rebecca L. Skovgaard, C.N.M., M.S.
Sajeena G. Thomas, M.D.
Ellen J. Tourtelot, M.D. (effective 3/15/14)
Wendy S. Vitek, M.D.
Paula E. Zozzaro-Smith, D.O. (effective 7/1/14)

Research Assistant Professor

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

Adjunct Assistant Professor

Thomas J. Guttuso, M.D.
Jani E. Lewis, Ph.D.

Adjunct Instructor

Arthur M. Dee, M.S.

Fellow

Stephen J. Bacak, D.O., M.P.H.
Jorge F. Carrillo, M.D. (to Assistant Professor effective 7/1/14)
Amy F. Collins, M.D. (effective 7/1/13)
Paula J. Doyle, M.D. (to Assistant Professor effective 9/1/14)
Dzhamala Gilmandyar, M.D. (terminated 8/31/13)
Lisa M. Gray, M.D.
Courtney Olson-Chen, M.D. (effective 7/1/14)
Smitha Vilasagar, M.D. (effective 7/1/14)
Paula E. Zozzaro-Smith, D.O. (to Assistant Professor effective 7/1/14)

Senior Associate

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

Associate

Sheila A. Geen, C.N.M., M.S.N.
Pamela Jurich Wright, C.N.M., M.S.
Heather R. Lane, C.N.M., M.S.
C. Jeanne Peterson, M.S.
Helene M. Thompson-Scott, C.N.M., M.S.
Jo A. Wrona, C.N.M., M.S.

Clinical Associate

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

Assistant

Jennifer A. Banda, C.N.M., M.S. (effective 5/1/14)
Yvonne R. Dougherty
Stephanie C. Laniewski, M.S.
Caitlin Phillips LeGros, C.N.M., M.S. (effective 10/20/14)
Sarah B. Ludlow, C.N.M., M.S. (terminated 9/23/13)
Laura A. Martin, M.S.
Melinda A.S. Pisaro, C.N.M., M.S.
Jenney A. Stringer, C.N.M., M.S. (effective 10/21/13)

FULL-TIME FACULTY WITH SECONDARY APPOINTMENT IN OBSTETRICS AND GYNECOLOGY

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

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

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

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

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

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

Melissa A. Mroz, M.D. (effective 8/1/14)
Assistant Professor Medicine and Obstetrics and Gynecology

Rachael H. Phelps, M.D.
Clinical Instructor Pediatrics and Obstetrics and Gynecology

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

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

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

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

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

CLINICAL FACULTY AT STRONG MEMORIAL HOSPITAL

Clinical Professor

Jeffrey R. Fichter, M.D. (effective 7/1/14)
David L. Gandell, M.D.

Clinical Professor Emeritus

W. Patrick Bernal, M.D.
Richard E. Fullerton, M.D.
Peter L. Kogut, M.D. (effective 11/1/13)

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

Clinical Associate Professor

Karen M. Duguid, M.D.
Dianne M. Edgar, M.D.
William J. Harvey, M.D.
Uma M. Penmetsa, M.D.
Deborah M. Rib, M.D.
Stephan R. Sanko, M.D.

Clinical Assistant Professor

Mary E. Ciranni-Callon, D.O. (effective 5/1/14)
Diane M. Cunningham, M.D.
Georgette J. Pulli, M.D.
Julie C. Sandruck, M.D. (effective 5/1/14)
Marit B. Sheffield, M.D.

Clinical Senior Instructor

Beth M. Cerrito, Ph.D.

Clinical Instructor

Melissa A. Gunter, M.D.
Mitchell A. Linder, M.D.
Amy H. MacDonald, M.D. (effective 6/28/14)
Nancy E. McKnight, M.D.

Clinical Associate

Joan S. Brenner, C.N.M., M.S. (effective 5/1/14)
Catherine A. Burke, C.N.M., M.S.N. (effective 5/1/14)

Clinical Assistant

Wendy M. Featherstone, P.T.

CLINICAL FACULTY AT HIGHLAND, ROCHESTER GENERAL AND OTHER AREA HOSPITALS

Clinical Professor Emeritus

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

Clinical Associate Professor

Richard C. Cherkis, M.D.
Rita A. Clement, M.D.
Marc H. Eigg, M.D.
Albert P. Jones, Jr., M.D.
Rahul Laroia, M.D.
Eufemia J.A. Mariano, M.D. (retired 6/30/14)
Coral L. Surgeon, M.D.
Derek J. tenHoopen, M.D.
Eugene P. Toy, M.D. (effective 10/4/13)
Raphael Tshibangu, M.D.
Morris Wortman, M.D.

Clinical Assistant Professor

Laureen A. Burke, M.D.
Jane K. Doebelin, M.D.
Jeffrey B. Gordon, M.D.
Daniel W. Grace, M.D.
Marc S. Greenstein, D.O.
Rosalind A. Hayes, M.D.
Jacquelyn Cullen Howitt, M.D.
Waldemar Klimek, D.O.
Oona Lim, M.D.
Mohamad S. Mahmoud, M.D. (effective 11/1/14)
Elizabeth D. Morningstar, M.D.
Patricia M. Newcomb, M.D. (terminated 6/30/14)
Edward B. Ogden, M.D.
Roger M. Olander, M.D.
Leslie E. Purnell, M.D.
Muhammad S. Tariq Qureshi, M.D.
G. Theodore Ruckert, IV, M.D.
Earlando O. Thomas, M.D.
Madonna R. Tomani, M.D.
Maggie D. Vill, M.D.
Mary M. Wilsch, M.D. (effective 7/22/13)

Clinical Instructor

Darushe Anissi, M.D.
Rehan B. Asif, M.D.
Julius Avorkliyah, M.D.
Jeroo Bharucha, M.D.
M. Elizabeth Bostock, M.D.
J. Steven Burkhart, M.D.
Paul A. Cabral, M.D.
Michelle L. Chin, M.D.
Benjamin R. Christensen, M.D.
Tripta Dass, M.D.
Tamara E. DiNolfo, M.D.

Wendy M. Dwyer-Albano, M.D.
Benjamin P. Fiorica, M.D.
Heather B. Florescue, M.D.
Miranda Harris-Glocker, M.D. (effective 8/1/14)
Kelly A. Herron, M.D.
Michelle M. Herron, M.D.
Haldipur V. Janardhan, M.D.
Judith E. Kerpelman, M.D.
Mark S. Levine, M.D.
M. Jamil Mroueh, M.D.
M. Raymond Naassana, M.D.
Johann Piquion Joseph, M.D., M.P.H.
Kathleen Robischon, M.D.
Maureen R. Slattery, M.D.
Katherine Stouter Lammers, M.D.
Thomas R. Sweeney, M.D.
Samuel E. Tripp, M.D.
Richard Urban, M.D.
Megan B. Vaules, M.D.
Catalina M. Vial, M.D.
Amanda J. Victory, M.D.

Clinical Assistant

Marilyn S. Brooks, R.N.C., M.S.N., C.N.M.
Rosemary L. Janofsky, M.S.N., C.N.M.
Margaret L. LaPierre, C.N.M., M.S., W.H.N.P.
Lowry Simpson, M.S.N., C.N.M. (terminated 6/30/14)
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

Emily Campito, MD
CareNet Medical Group
2123 River Road
Schenectady, NY 12309

Amy Hoeft MacDonald, MD
ParkWest Women's Health
1820 Clinton Ave. South
Rochester, NY 14618

Smitha Vilasagar, MD
Fellowship, Minimally invasive
Gynecologic Surgery
University of Rochester Medical Center
Dept. of Obstetrics and Gynecology
601 Elmwood Avenue
Rochester, NY 14642

Elizabeth Fountaine, MD
Johns Hopkins Medicine
Department of Gynecology &
Obstetrics
601 N. Wolff Street – Phipps Bldg.
Baltimore, MD

Courtney Olson-Chen, DO
Fellowship Maternal Fetal Medicine
University of Rochester Medical Center
Department of Obstetrics and
Gynecology
601 Elmwood Avenue
Rochester, NY 14642

Kristin Klosterman, MD
West Shore Women's Health
29169 Center Ridge Road
West Lake, OH 14145

Brittany Paivanas, MD
Highland Women's Health
990 South Avenue, Suite 103
Rochester, NY 14620

PGY4 (2014/2015)

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

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

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

PGY3 (2014/2015)

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

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

Raksha Soora, MD

PGY2 (2014/2015)

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

INTERNS (2014/2015)

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

FACULTY ACTIVITIES

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2013 - June 30, 2014

ADMINISTRATIVE ACTIVITIES

Cynthia L. Angel, M.D.

Hospital and Medical School:

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

Emily S. Barrett, Ph.D.

Hospital and Medical School:

1. Departmental RSRB reviewer
2. Co-Director of the Department's Office for Research Administration
3. Co-organized weekly research workshop

Amy R. Benjamin, M.D.

Hospital and Medical School:

1. Gynecology Service OR Committee
2. OR Quality Assurance Committee
3. OR Consent Task Force

Sarah J. Betstadt, M.D.

Hospital and Medical School:

1. Medical Staff Council, University of Rochester
2. Junior Women's Faculty Group, University of Rochester
3. Patient Family Centered Care, University of Rochester
4. Director of Family Planning Service

Bala Bhagavath, M.D.

Hospital and Medical School:

1. Simulation Steering Committee
2. Chair, Minimally Invasive Gynecologic Surgery Steering Committee

National/International:

1. Society of Reproductive Surgeons Committee
2. COEMIG Review Committee
3. AAGL Standards Committee

Adrienne D. Bonham, M.D.

Hospital and Medical School:

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

Gunhilde Buchsbaum, M.D.

Hospital and Medical School:

1. Robotic Surgery Committee
2. Minimally Invasive Gynecologic Surgery Committee
3. Course Director of the 5th Annual Uniqueness of Women's Health
4. Departmental Leadership Committee

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

Hospital and Medical School:

1. Interim Director of Midwifery Division (7/1/13 – 8/31/14); Director effective 9/1/14
2. Breastfeeding Committee Highland Hospital

Jorge F. Carrillo, M.D.

Hospital and Medical School:

1. MIGS Steering Committee

National/International:

1. Special Interest group for Pelvic Pain - AAGL

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

Hospital and Medical School:

1. Combined SMH and HH Credentials and Privilege Review Committee
2. Highland Hospital Medical Executive Committee

Community/State:

1. Chairperson, New York State Board of Midwifery, New York State Department of Education, Albany NY

National/International:

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

Brent DuBeshter, M.D.

Hospital and Medical School:

1. Board of Directors, Highland Hospital
2. Cancer Center Clinical Advisory Committee
3. Cancer Center Oncology Therapeutics Committee
4. Quality Assurance Committee, Highland Hospital

National/International:

1. SGO Coding Committee

Erin E. Duecy, M.D.

Hospital and Medical School:

1. Associate Chair, Education Program Director, OB-GYN Residency University of Rochester Medical Center
2. Faculty Facilitator, Outpatient Urogynecology Rotation - Ob-Gyn residents - Urology residents - Family Medicine residents - Visiting residents & students. Development of curriculum, teaching, evaluations.
1. SMH Robotic Surgery Committee
2. GME Strategic Planning Work Group: Established to plan transition of medical education at URMC through national & state changes in GME funding, formalize the mission of GME within the medical & business models of URMC, and identify strategies to preserve quality of graduate education. Attended by chosen program and fellowship directors.
3. Graduate Medical Education Subcommittee for Program Review
4. Surgical Skills Simulation Work Group University Of Rochester Medical Center
5. Graduate Medical Education Committee (GMEC)
6. Faculty Performance Assessment Committee: Established for development and ongoing maintenance of novel faculty assessment program initiated by Department of OB-GYN.
7. Resident Council: Established to ensure adequate representation and input of all residents into the educational program and logistics of resident work sites at SMH & HH. Attended by resident representatives from all 4 year sof training, program director, assistant program director, department chairman. (Council incorporated into residency activities in 2014.)
8. Departmental Leadership Committee: Meeting of OB-GYN leadership to discuss ongoing departmental initiatives & business.

9. Advisory Committee on OB-GYN Education (ACE), Chair: Educational committee attended by representatives from all departmental divisions, departmental leadership, medical student coordinator, private faculty, etc. tasked with oversight and ongoing improvement of the OB-GYN educational experience at URM.

Timothy De Ver Dye, Ph.D.

Hospital and Medical School:

1. Academic IT Advisory Committee
2. Enterprise Clinical Steering (ECS) Committee
3. Population Health Analytics Committee

National/International

1. Committee on Data for Science and Technology (CODATA) International Council for Science (ICSU) Paris, France (International)
2. Chair, Medical Advisory Board OneHEART World-Wide San Francisco, California (International)
3. Expert Group on Human Biology and Medicine SCAR: Scientific Committee on Antarctic Research (International)
4. Coalition for Excellence in MCH Epidemiology National MCH Epidemiology Awards (CDC)
5. National Institutes of Health, National Institute of Allergy and Infectious Diseases Special Emphasis Panel, CEIRS Influenza Data Processing and Coordinating Center (NIH)
6. Editorial Boards:
 - a. Editor-in-Chief, Maternal and Child Health Journal
 - b. Medical Education Cooperation with Cuba(MEDICC) Review, Editorial Board

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

Hospital and Medical School:

1. Preceptor for midwifery, nurse practitioner and involved with resident and medical student training
2. Perinatal review committee member through September 2013

Community:

1. Clinical Professor in Nursing at The College of Brockport
2. Train nursing students on the Family Maternity Center at Highland Hospital

Constantino Fernandez, M.D.

Hospital and Medical School:

1. Preceptor for: Spanish-Pediatric-Obstetrics and Gynecology mini Fellowship for Medical Students

2. Interns, Residents, Medical Students, Nurses and Physician Assistants in OB/GYN programs.
3. Internal Medicine Women's Health elective
4. Community Advisory Council
5. Community Advisory Council human trafficking and domestic violence
6. Latino Health Coalition for improving the health of Hispanics, decrease health disparities, health literacy and preventive medicine

Community:

1. Anthony Jordan Health Center Attending physician
2. Community Advisory Council (CAC) Committee
3. Community Collaborative Partnership Board
4. Telehealth Group meeting
5. Latino Health Coalition meeting
6. Hispanic Rotarian, President of the vocational committee
7. African-Latino Conference

National/International:

1. National Hispanic Medical Association credential and conference committee
2. APGO member and Scholar graduated (Solvay Laboratories)

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

Hospital and Medical School:

1. Laser Safety Committee
2. AOA selection Committee

National/International:

1. Chair, International Society for the Study of Vulvovaginal Disease (ISSVD) Research Committee
2. National Vulvodynia Association—Medical Advisory Board
3. NIH (NICHD) Special Emphasis Panel ZHD-1 DSR-L March , 2013

Sheila A. Geen, C.N.M., M.S.N.

Hospital and Medical School:

1. Director of Operations at University GYN and OB

J. Christopher Glantz, M.D.

Hospital and Medical School:

1. Patient Safety and Risk Management Committee

2. Interviewer, Medical School Admission
3. Neonatology Chief Search Committee
4. Perinatal Morbidity and Mortality Committee

National/International:

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

Amy R. Harrington, M.D.

Hospital and Medical School:

1. Ob/Gyn Junior Faculty Professional
2. Ob/Gyn Resident Competency Committee

Diane M. Hartmann, M.D.

Hospital and Medical School:

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

National/International:

1. ACGME Clinical Learning Environment Review Committee
2. Invited Member AAMC Advisory Panel on Medical Education
3. Oral Board Examiner, American Board of Obstetrics and Gynecology
4. Faculty for Program Directors' School, Council on Resident Education in Obstetrics and Gynecology
5. Advisory Board, UPDATE: Continuing Education for the Obstetrician/Gynecologist, American College of Obstetrics and Gynecology
6. Residency Review Committee Member, ACGME RRC for Obstetrics/Gynecology

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

National/International:

1. North American Menopause Society Member Committee

Kathleen M. Hoeger, M.D.

Hospital and Medical School:

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

National/International:

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

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

Hospital and Medical School:

1. Highland Hospital Family Maternity Center Clinical Service Quality Committee

Vivian Lewis, M.D.

Hospital and Medical School:

1. Middle States Reaccreditation Steering Committee (Co-chair of working group on faculty)
2. Chair, Mentor Development Committee Clinical Translational Science Institute

National/International:

1. National Science Foundation: External advisory board member for Rochester Institute of Technology's ADVANCE institutional transformation grant: Creating opportunity networks for engagement and collective transformation (CONNECT@RIT). (PI-Bailey,

- Margaret)
2. Eunice Kennedy Shriver National Institute of Child Health and Human Development
 - a. Diversity Task Force
 - b. Data Safety Monitoring Board, Cooperative Multicenter Reproductive Medicine Network
 3. Food and Drug Administration Reproductive health drugs advisory committee member

Richard K. Miller, Ph.D.

National/International:

1. Society of Toxicology, Chair of the Research Funding Committee
2. Chair, International Committee on Research - European Network of Teratology Information Services and the Organization of Teratology Information Services.
3. OTIS Research Committee
4. Scientific Review Board, National Institutes of Health - TERIS, Teratology Information Computer System
5. Organization of Teratology information Specialists (OTIS) Member Scientific Review Board
6. Organization of Teratology information Services (OTIS) Member - Committee on Occupational Exposures
7. Editorial Board Member, Trophoblast Research

Katrina F. Nicandri, M.D.

Hospital and Medical School:

1. Surgical Site Infection Prevention Taskforce
2. Working Group for Persons' with Disabilities
3. Minimally Invasive Gynecology Surgery Committee
4. Ambulatory eRecord SuperUser for Department of Obstetrics and Gynecology
5. Ambulatory eRecord Subject Matter Expert for Department of Obstetrics and Gynecology
6. Residency Competency Committee
7. Junior Obstetric and Gynecology Faculty Group
8. Chair, Gynecology Quality Assurance
9. Quality Assurance Counsel Department of Obstetrics and Gynecology

Tulin Ozcan, M.D.

Hospital and Medical School:

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

National/International:

1. Journal of Ultrasound in Medicine Advisory Board

Ellen L. Poleshuck, Ph.D.

Hospital and Medical School:

1. Director, Women's Behavioral Health Service

Eva K. Pressman, M.D.

Hospital and Medical School:

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

National/International:

5. SMFM Publications Committee
6. The Pregnancy Foundation Website Committee
7. ACOG Committee on Ethics

Colby A.H. Previte, M.D.

Hospital and Medical School:

1. Instruction Committee Member. Liaison between Women's Health Curriculum and other course and clerkship directors
2. Third Year/Fourth Year Core Instruction Committee Member Liaison between Women's Health Curriculum and other course and clerkship directors
3. URMC, Highland Hospital Department of OB/GYN, Community OB/GYN of Highland Hospital, Leadership Committee. Role includes collaboration with the nurse leading, practice director, practice manager, department administrator, and department chair to address clinical and administrative concerns from the practice.
4. Advisory Committee on Education, Executive Committee |Liaison between department chair, division chairs, residency program, and medical student clerkship on committee addressing administrative and educational concerns pertaining to resident and medical student education.
5. Advisory Committee on Education, General Committee
6. Education Committee |Chair of committee comprised of OB/GYN Department faculty members of involved in components of medical student women's health education at URSMD.
7. URMC, Department of OB/GYN Leadership Committee. Role includes presenting updates regarding medical student issues to department leadership, including division chairs, one to six times yearly (based upon invitation from Chair).

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

Hospital and Medical School:

1. Medical Student Education Committee

National/International:

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

Ruth Anne Queenan, M.D.

Hospital and Medical School:

1. Credential Committee University of Rochester Medical Center
2. Safety Committee - Highland Hospital
3. Clinical Council Highland Hospital
4. Infection Prevention Committee
5. Medical Executive Committee
6. Compliance Liaison Committee
7. Chief of Service Committee
8. Perioperative Executive Committee
9. Clinical Service Quality Committee - Obstetrics
10. Clinical Service Quality Committee - Gynecology
11. Clinical Service Quality Committee - Operative Services
12. Perinatal Peer Review
13. Gynecology Peer Review
14. Advisory Committee on Education
15. Ad Hoc Promotions Committees

Neil S. Seligman, M.D.

Hospital and Medical School:

1. Acting Director of Reproductive Genetics
2. Direction of Prenatal Diagnosis Conference
3. Resident advancement committee
4. Obstetrics Quality Assurance Workgroup Chair
5. Obstetrics and Gynecology Council
6. Unit Performance Program committee

7. Perifacts Clinical Quandary Editor

David E. Seubert, M.D.

National/International:

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

Christopher J. Stodgell, Ph.D.

Hospital and Medical School:

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

National/International:

1. Congressionally Directed Medical Research Program Autism Integration Panel Member
2. Editorial Review: Anatomical Record, Birth Defects, Research, Brain Research, International Journal of Urogynecology, Journal of Neuroscience Research, Neurobiology of Aging, Neurology, Neurotoxicology, Neurotoxicology and Teratology, Neurology
3. Secretary, Teratology Society Education Committee
4. Teratology Education Committee

Sajeena Thomas, M.D.

Hospital and Medical School

1. OB/Gyn Clinical Competence Committee

Loralei L. Thornburg, M.D.

Hospital and Medical School:

1. Strong Memorial Hospital Perinatal liaison, Rochester General Hospital, Obstetrical Morbidity and Mortality Committee
2. Executive Committee Member, Academic Research Tract (ART)
3. Director, Resident Research
4. Maternal Fetal Medicine Fellowship Director
5. Director of Thursday Perinatal Fellows Education & Research Seminar
6. Director, Obstetrical Educational Simulation
7. QA committee liaison
8. Prenatal Diagnosis Committee
9. SMH Perinatal Morbidity and Mortality Committee

Community:

1. New York State Perinatal Association:
 - a. Board Member & Finger Lakes Regional Representative
 - b. Executive Committee Secretary
 - c. Conference Development (Co-Chair 2013 conference; Chair- 2014, 2015 conferences)
 - d. Website/Electronic/Social media development.
2. Steering Committee, Finger Lakes Regional Perinatal Data System

National/International:

1. Society of Maternal Fetal Medicine
 - a. Education Committee
 - b. M in MFM Committee
 - c. Content Co-Chair, M in MFM course
 - d. Literature Review Committee
2. Perinatal Quality Foundation
 - a. Board Member
 - b. Research and Innovation Committee
 - c. Education Committee
4. Medical Associate Editor, Perifacts

Ellen J. Tourtelot, M.D.

Hospital and Medical School:

1. Primary Care Faculty Resident Quality Council
2. Quality Assurance Council
3. Development of Centering Pregnancy Program
4. Development of office hysteroscopy protocol for Women's Health Practice
5. Weekly Operations meeting for Women's Health Practice
6. Development of Ambulatory Educational Curriculum for OBGYN residents
7. Weekly leadership meetings

Community:

1. Community Collaborative Partnership quarterly meeting

Wendy S. Vitek, M.D.

Hospital and Medical School:

1. Women and Men's Health Block, Disease Process and Therapeutics, course co-director

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

National/International:

1. Editor in Chief, PeriFACTS OB/GYN Academy

EDUCATIONAL ACTIVITIES

Cynthia L. Angel, M.D.

1. Courses taught:
 - a. Basic Science, Lecture on Ovarian Cancer
 - b. Resident Lecture on BRCA testing
 - c. HH GYN ONC weekly Tumor Board presentation
 - d. Highland Hospital Monthly Gyn Oncology Conference

Amy R. Benjamin, M.D.

1. Approach to Pelvic Pain in the Emergency Department (Resident Lecture)
2. Lectures given at ACOG Montana Division meeting: Endometriosis: When to Operate and What Works Non-gynecologic Etiologies of Chronic Pelvic Pain Techniques for Difficult Laparoscopic Surgeries
3. Pelvic Pain (Small Group Sessions with 3rd Year Medical Students, 3 times a year)

Sarah J. Betstadt, M.D.

1. Course Coordinator, Primary Care Clerkship, ambulatory curriculum on contraception and abortion for second year medical students, University of Rochester
2. Nexplanon Trainer
3. Medical Student Didactics for Third Year Medical Students-Postmenopausal Vaginal Bleeding and Menopause and Hormone Replacement Therapy
4. Mentor, Medical Students For Choice summer externship, University of Rochester
5. Course Coordinator, OBG 622, Fourth Year Family Planning Elective, University of Rochester
6. Planned Parenthood of the Rochester/Syracuse Region, senior medical consultant - Provide and teach Ob/Gyn residents family planning services
7. Med student ob/gyn clerkship site-coordinator, participate in coordinator didactics, perform mid clerkship evaluations for medical students
8. Faculty Facilitator, Professional Development Groups, URMC medical school orientation

Bala Bhagavath, M.D.

1. Laparoscopy and hysteroscopy simulation course director and course instructor for OB/GYN residents, Department of Obstetrics and Gynecology, University of Rochester Medical Center
2. Residency Core lecture series on Endocrinology of Pregnancy, Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies
3. Basic science lecturer/preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine
4. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea
5. Endocrine Core Conference Lecture Series Female Infertility; The Normal Reproductive Cycle and Amenorrhea; Menopause

6. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion
7. APGO SIMULATION LISTSERV This LISTSERV has been functional since 2010 and has more than 170 subscribers. It caters to the needs of the OB/GYN faculty around the country interested in simulation as a way to teach, learn and train. I am the sole moderator for this LISTSERV.

Adrienne D. Bonham, M.D.

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. Simulation series, Development of multidisciplinary simulation programs with both Anesthesia and Obstetrics and Emergency Medicine and Obstetrics
3. 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
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, Billing and Coding curriculum, Management of menopausal symptoms
7. Lecturer, Resident Core Curriculum - Coding and Billing - Menopause - Hormone Replacement Therapy - Vulvovaginal Disorders
8. Lecturer, Second Year Student Core Curriculum: Dysfunctional uterine bleeding, Ectopic pregnancy, Early pregnancy loss, Management of menopausal symptoms

Erin E. Duecy, M.D.

1. Grand Rounds Mentor: Surgical Mesh in Treatment of Pelvic Floor Disorders. Resident: Pakeeza Alam, MD. -
2. Disease Processes and Therapeutics: Introduction to pelvic organ prolapse and urinary incontinence. Annual course for 2nd year medical students.
3. Pelvic Floor Disorders: clinical experience. Created for Internal Medicine residents interested in women's health. Created curriculum and mentor residents through clinical experience in office.
4. Blackboard: Introduction to Urogynecology. Created on-line learning portfolio for nursing staff, students, and residents. Used as part of curriculum for resident rotation through Urogynecology. Includes introduction to common surgical procedures, lectures on pelvic floor disorders with post-test, etc.
5. OB-GYN Medical Student Clerkship Lecture Series: Pelvic Floor & Vulvar Disorders. Wrote clinical scenario. Present as problem-based learning activity throughout the year as students rotate through their clerkships.

6. Pelvic Floor Disorders: Clinical experience for Family Medicine residents. Created curriculum and provide teaching & mentorship during longitudinal office experience.
7. Urogynecology Rotation for OB-GYN Residents: Created curriculum, provide on-on-one teaching sessions, final exam, Blackboard content, etc.
8. Director, GYN Surgical Simulation * Development and implementation of surgical skills curriculum for residents in obstetrics & gynecology, including didactic lectures and surgical skills labs. * Development & implementation of Introduction to OB-GYN Skills Lab for new interns. * Development & implementation of robotic surgery curriculum for OB-GYN residents including on-line learning and skills labs, evaluation tools, quality assessment questionnaires, and requirements for forward credentialing for graduating residents.
9. 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
10. Faculty Facilitator, Outpatient Urogynecology Rotation for Family Medicine Residents * Development of curriculum and teaching plan.
11. 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
12. Faculty Participant, Quarterly Resident Obstetric Skills Lab * Preparation of models and skills teaching of obstetric laceration repair * Supervision and evaluation of Fellows in a teaching role
13. Resident Research Mentor *Have acted as primary faculty advisor for 3 resident research projects; two have resulted in presentation at a national meeting; both manuscripts submitted for publication; one just presented at resident research day and being submitted to national meeting for 2013. *Have acted as accessory faculty advisor on several resident research projects resulting in successful presentation at Resident Research Day, national presentation, and publication.
14. Perioperative Care of The Geriatric Patient Lecture Series Lectures series focusing on normal geriatric physiology and physiologic changes in the peri-operative setting affecting provision of medical care.
15. Faculty Facilitator & lecturer, Mindful Practice Curriculum Preparation & delivery of recurring 6 part lecture series as part of the university-wide program sponsored by MLMIC and the Arthur Vining Davis Foundation.
16. Faculty Facilitator, Outpatient Urogynecology Rotation for OB-GYN Residents. * Development & implementation of formal curriculum, scheduling, and resident evaluations. * Resulted in improved resident & faculty satisfaction with the Urogynecology experience including consistent resident evaluation of the rotation as one the highest rated rotations

J. Christopher Glantz, M.D.

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

Amy R. Harrington, M.D.

1. Medical student didactics
2. Family Planning service –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).
3. Resident Ambulatory Curriculum
4. Group Prenatal Education
5. Medical Students for Choice Papaya workshop
6. Nurse practitioner education
7. Ob/Gyn Simulation curriculum development
8. Peri-operative Nursing In-Service
9. Pocket Card development - Gynecologic Ultrasound of the Early Pregnancy
10. Preceptor for second year medical student teaching including:
 - o Medical student breast and pelvic examination teaching
 - o Primary Care Clerkship Contraceptive sessions
11. Resident lecture series
12. Resident Skills Day Evaluation June 2014
13. Resident Skills Day Evaluation, June 2013
14. URM C Resident Simulation Course
15. Women's Health Practice clinical protocol development

Kathleen M. Hoeger, M.D.

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

Lioudmila V. Lipetskaia, M.D.

1. Moderator for M&M conferences at division of UROGYN didactic sessions.
2. Moderator for Journal Clubs at division of UROGYN didactic sessions.
3. "Treatment of refractory overactive bladder and urge incontinence". Lecture at UROGYN Fellowship didactics sessions.
4. "Management of anterior vaginal wall prolapse". Lecture at UROGYN Fellowship didactics sessions.

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. Courses Taught:
 - a. Invited Faculty - 9th NICHD-CIHR Summer Institute in Maternal- Fetal Pharmacology, Toronto July 14-17, 2013. Title: The Human Placental in Maternal-Fetal Toxicology Title: Case Reviews from Teratogen Information Service PEDECS.
 - b. Process of Discovery, 8 sessions/year, 4th Year Medical Students - 2004-Present
 - c. Hormone Laboratory, 3rd year medical students (4 - 2 hour sessions per year)
 - d. Integrated Organ Course - Female: lectures and laboratories, 2nd year medical students
 - e. OBS 502 Perinatal Pharmacology (for 1st and 2nd year medical students)
 - f. Pharm 530/Tox 530, Reproductive and Developmental Pharmacology/Toxicology (graduate and medical students; and perinatal fellows)
 - g. Tox 522, Toxicology Section Head, 6 lectures and laboratories for graduate students

Shawn P. Murphy, Ph.D.

1. Annual Human Placenta Workshop, Queens University, Kingston, Ontario
2. Critical Thinking, Department of Microbiology and Immunology
3. Reproductive Toxicology

Katrina F. Nicandri, M.D.

1. Co-Director, Fourth Year Medical Student Ambulatory Clerkship (URMC) -Individualize each student's rotation for maximal experience in all aspects of ambulatory Obstetrics and Gynecology: Ultrasound, Family Planning, Colposcopy, etc. -Meet with students weekly to discuss rotation and interesting clinical scenarios
2. Nexplanon/Implanon Trainer -Teach residents and faculty indications for use of Nexplanon. -Teach residents and faculty proper technique for Nexplanon insertion and removal.
3. Course Director, Pediatric Adolescent Gynecology -Developed Curriculum (lecture series) -Implemented Resident PAG Clinic at Women's Health Practice
4. Conference Director, Obstetrics and Gynecology Morbidity and Mortality Conference (URMC). -Compile Department Surgical Case Numbers for presentation (number of hospital readmissions, length of stay, etc) -Guide residents with case selection
5. 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.
6. 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.

7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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)
14. 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.
15. Encourage faculty discussion for critical case review and identification of areas for improvement
16. 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, 9/2014
17. 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, 2013
18. 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), 2013

19. 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, 2013
20. 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.
21. 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.
22. 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
23. 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.
24. 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.

Colby A.H. Previte, M.D.

1. University of Rochester School of Medicine and Dentistry, Medical Education Pathway Mentor to Emilie Wasserman, URSMD Class of 2013. Supervised creation of large group didactic, "Early Pregnancy Loss" and small group activity on "Pregnancy Options Counseling."
2. 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.
3. 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).
4. 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).
5. 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).
6. University of Rochester School of Medicine and Dentistry, Rochester, NY, First Year Medical Student Lecture/Lab, Primary Care Clerkship Course, Male/Female Genitourinary Intergration Conference, "The Female Genitourinary Examination" and accompanying skills lab (yearly in November)
7. University of Rochester Medical Center, Department of OB/GYN Outpatient Preceptor for second year medical students -

8. University of Rochester Medical Center, Department of OB/GYN Lecturer, "Clinical Anatomy Review," twice quarterly lecture, OB/GYN clerkship orientation -
9. University of Rochester, Department of OB/GYN, Rochester, NY Instructor, Female breast and pelvic exam to first and second year students -

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

1. Member, Panel of Experts, ICD-11 Task Force, World Health Organization. Geneva, Switzerland.
2. Mentor, ACOG Mentor Program.
3. Clerkship Director, Obstetrics and Gynecology 620: Reproductive Endocrinology
4. Faculty Advisor, Ob/Gyn Student Interest Group
5. Lecturer. Reproduction Section. Disease Processes and Therapeutics 2.
6. Lecturer. Basic Science Course: Fertilization and Human Embryo Implantation. From Genes to Generations. Double Helix Curriculum
7. Lecturer, ACE Clerkship Curriculum. Department of Obstetrics and Gynecology
8. Lecturer: Molecules to Cells
9. Residency Core lecture series on Endocrinology of Pregnancy; Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies
10. Basic science lecturer/preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine
11. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea
12. Endocrine Core Conference Lecture Series Female Infertility; The Normal Reproductive Cycle and Amenorrhea; Menopause
13. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion
14. Chair of ASRM Postgraduate Course: "Coding for Reproductive Practices 2013"
15. Course Faculty ACOG Coding Workshop in Las Vegas, NV 2013

Neil S. Seligman, M.D.

1. PCC Year 2 Journal Club Small Group Leader. Taught 5 sessions.
2. Obstetrics and Gynecology Resident Journal Club
3. Resident Simulation: Amniocentesis
4. Curricular Fellow Lectures: Renal Disease
5. Curricular Student Lectures: PIH and Labor
6. Curricular Resident Lectures: Renal Disease
7. Resident Simulation: Assisted Delivery
8. Curricular Student Lectures: Introduction to Fetal Heart Rate Monitoring
9. Curricular Fellow Lectures: Substance Abuse during Pregnancy

Rajesh K. Srivastava, Ph.D.

1. Topic of Lecture- Gamete Development, Fertilization and Implantation to Ob/Gyn Residents
2. Reproductive Assessment of Infertility: Assisted Reproductive Technology and Reproductive Toxicology- Toxicology 530 to Graduate Students
3. IVF review Course to third year medical students at URM - Each Quarter

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

Christopher J. Stodgell, Ph.D.

1. Women's Health Clerkship (3rd Year Medical Class)
2. Women's Health Clerkship Basic Science Section (Teratology), Lectures given quarterly.
3. Tox 522 Developmental Toxicology
4. CSP 384 Research in Developmental Neuropsychology (Ethics in Reporting Data)
5. Tox 522: Organ Systems Toxicology (Developmental Gene Expression)
6. Tox 530: Reproductive and Developmental Toxicology (Mechanisms of Gene Expression)
7. CSP 566: Neurobiological Foundations (Psychopharmacology; Teratology; Genetics; Development)
8. Neuroscience 512 Cellular Neuroscience (Neurogenetics)

Loralei L. Thornburg, M.D.

1. Director of resident research and biostatistics education director: Development and preceptorship of ongoing series of Work-in-Progress lectures (approximately 10x/year) for the first and second year residents to assure the research projects were on track, and help with hypothesis refinement and trouble shooting. Biostats for residents (lecture series 4-6 lectures/year on basic biostatistics, interpretation and evaluation of literature, and critical reasoning). A combination of formats including literature review, critical analysis, team-based group work developing study designs, and lecture-based biostats are employed. Lectures & educational materials related to research design and research development Research question development Building and working in research teams Online supplemental materials related to presentation, poster creation, manuscript creation and submission
2. 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.
3. Emergency Medicine Lectures: Trauma in obstetrical patients (2011) Management of non-obstetrical medical complications in pregnancy (2011) Delivery in the ED (2012) Management of obstetrical emergencies in the ED Creation of a series of online series of videos for review and education (2013) Lecture series on obstetrical emergencies in the ED (2012, 2013) Development and running simulation with emergency and obstetrical faculty and residents for skill development in obstetrical emergencies that commonly occur in the emergency room
4. Creation of obstetrical skills simulation program, 2009-present 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.

5. Intern Lecture series: Maternal Physiology of Pregnancy Normal & Abnormal Labor First Trimester Vaginal Bleeding Fetal Heart Rate Interpretation
6. Neonatology Fellow Lectures Obstetrical management of the prematurity Fetal Therapy Hypertension in Pregnancy Hemolytic disease of the fetus and newborn Rheumatologic Disease in Pregnancy
7. Resident Lectures
8. Medical Student Breast and Pelvic Teaching

Wendy S. Vitek, M.D.

1. Disease process and therapeutics course, Ovulatory disorders
2. Disease process and therapeutics course, Reproductive disorders,
3. Obstetrics and Gynecology Interest Group talk, Posthumous Assisted Reproduction
4. Residency Laparoscopy and hysteroscopy simulation course instructor
5. Basic Science Lecturer/Preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine
6. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea
7. Residency Core lecture series on Endocrinology of Pregnancy; Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies
8. Endocrine Core Conference Lecture Series Female Infertility; The Normal Reproductive Cycle and Amenorrhea; Menopause
9. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion

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: EHSC
Title: Toxicology-Anthropology: Characterizing exposure to environmental chemicals in non-Western populations
Dates: 7/1/2013 - 3/31/2015
Direct Funds: \$12,360
Indirects: \$0
Total Funding: \$12,360

Principal Investigator: **Barrett, Emily S**
Sponsor: EHSC
Title: A two-pronged approach to studying phthalate exposure and ovarian function
Dates: 7/1/2013 - 3/31/2015
Direct Funds: \$46,350
Indirects: \$0
Total Funding: \$46,350

Principal Investigator: **Bhagavath, Balasubramanian**
Sponsor: Hologic, Inc.
Title: Global Endometrial Ablation Database
Dates: 5/20/2013 - 5/19/2019
Direct Funds: \$11,542
Indirects: \$2,743
Total Funding: \$14,285

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

Principal Investigator: **Bonham, Adrienne D**
Sponsor: Mae Stone Goode
Title: Novel therapies for the treatment of genital pain
Dates: 1/1/2013 - 12/31/2014
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 - 12/31/2014
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 - 12/31/2014
Direct Funds: \$10,000
Indirects: \$1,500
Total Funding: \$11,500

Principal Investigator: **Doyle, Paula J**
Sponsor: Mae Stone Goode
Title: Prevention of acute radiation cystitis with intravesical chondroitin sulfate
Dates: 1/1/2013 - 12/31/2014
Direct Funds: \$8,246
Indirects: \$1,237
Total Funding: \$9,483

Principal Investigator: **Doyle, Paula J**
Sponsor: Coloplast
Title: Novel laparoscopic and vaginal dissection in a cadaver model
Dates: 3/15/2014 - 3/14/2015
Direct Funds: \$1,500
Indirects: \$0
Total Funding: \$1,500

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 - 12/31/2014
Direct Funds: \$11,100
Indirects: \$1,665
Total Funding: \$12,765

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

Principal Investigator: **Foster, David C**
Sponsor: DHHS/PHS/NIH
Title: Localized vulvodynia pathogenesis: fibroblast, yeast & melanocortin
Dates: 8/1/2012 - 7/31/2017
Direct Funds: \$1,025,000
Indirects: \$555,030
Total Funding: \$1,580,030

Principal Investigator: **Glantz, John Christopher**
Sponsor: NYS/Health
Title: New York State Perinatal Database - Fingerlakes Perinatal Region
Dates: 4/1/2009 - 3/31/2014
Direct Funds: \$1,173,813
Indirects: \$0
Total Funding: \$1,173,813

Principal Investigator: **Glantz, John Christopher**
Sponsor: NYS/Health
Title: New York State Perinatal Database - Fingerlakes Perinatal Region
Dates: 4/1/2014 - 3/31/2019
Direct Funds: \$1,150,000
Indirects: \$0
Total Funding: \$1,150,000

Principal Investigator: **Glantz, John Christopher**
Sponsor: NYS/Health
Title: New York State Perinatal Database - COLA
Dates: 4/1/2014 - 3/31/2015
Direct Funds: \$18,446
Indirects: \$0
Total Funding: \$18,446

Principal Investigator: **Griffin, Adam M**
Sponsor: Mae Stone Goode
Title: Effects of Exogenous Antioxidants on Cyclophosphamide-induced Ovarian Toxicity
Dates: 3/16/2011 - 12/31/2013
Direct Funds: \$3,131
Indirects: \$469
Total Funding: \$3,600

Principal Investigator: **Harrington, Amy R**
Sponsor: American College of Ob & Gyns
Title: Bedsider contraceptive care
Dates: 7/1/2012 - 2/28/2013
Direct Funds: \$10,000
Indirects: \$0
Total Funding: \$10,000

Principal Investigator: **Ho, Monique**
Sponsor: Mae Stone Goode
Title: Culture and Differentiation of Second Trimester Amniotic Fluid-Derived Stem Cells
Dates: 2/14/2008 - 12/31/2013
Direct Funds: \$35,503
Indirects: \$5,326
Total Funding: \$40,829

Principal Investigator: **Hoeger, Kathleen M**
Sponsor: Rochester Clinical Research, Inc.
Title: Repros study semen analysis
Dates: 4/1/2013 - 10/31/2013
Direct Funds: \$7,257
Indirects: \$2,177
Total Funding: \$9,434

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

Principal Investigator: **Miller, Richard Kermit**
Sponsor: Mae Stone Goode
Title: Human placental toxicity of bisphenol: a pilot study
Dates: 1/1/2010 - 12/31/2014
Direct Funds: \$17,540
Indirects: \$2,701
Total Funding: \$20,241

Principal Investigator: **Murphy, Shawn P**
Sponsor: DHHS/PHS/NIH
Title: Immune Gene Regulation in Human Trophoblast Cells
Dates: 9/10/2009 - 6/30/2014
Direct Funds: \$821,661
Indirects: \$434,006
Total Funding: \$1,255,667

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: ChemiDoc MP Imaging System
Dates: 1/1/2013 - 12/31/2013
Direct Funds: \$24,535
Indirects: \$0
Total Funding: \$24,535

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

Principal Investigator: **Pressman, Eva K**
Sponsor: UNIV/Washington
Title: Genetics and the Environment Associated with Male Reproduction (GEAR)
Dates: 8/18/2011 - 7/31/2013
Direct Funds: \$7,828
Indirects: \$4,267
Total Funding: \$12,095

Principal Investigator: **Pressman, Eva K**
Sponsor: UNIV/MSSM
Title: TIDES - The Infant Development and Environment Study
Dates: 8/23/2011 - 5/31/2014
Direct Funds: \$384,406
Indirects: \$231,315
Total Funding: \$615,721

Principal Investigator: **Pressman, Eva K**
Sponsor: Mae Stone Goode
Title: Amniotic exosomes as predictive biomarkers for genitopurinary anomalies
Dates: 1/1/2012 - 12/31/2014
Direct Funds: \$11,500
Indirects: \$1,725
Total Funding: \$13,225

Principal Investigator: **Pressman, Eva K**
Sponsor: UNIV/Cornell
Title: Vitamin D status impacts inflammation and risk of infections during pregnancy
Dates: 1/15/2012 - 1/14/2015
Direct Funds: \$188,082
Indirects: \$18,808
Total Funding: \$206,890

Principal Investigator: **Pressman, Eva K**
Sponsor: UNIV/MSSM
Title: TIDES Girls Supplement
Dates: 7/1/2012 - 6/30/2014
Direct Funds: \$8,696
Indirects: \$1,304
Total Funding: \$10,000

Principal Investigator: **Pressman, Eva K**
Sponsor: Mae Stone Goode
Title: The course & outcome of pregnancy and delivery in women with nondystrophic myotonias
Dates: 1/1/2013 - 12/31/2014
Direct Funds: \$13,044
Indirects: \$1,956
Total Funding: \$15,000

Principal Investigator: **Seligman, Neil S**
Sponsor: rEVO Biologics Inc.
Title: Preterm preeclampsia feasibility study for PRESERVE-1
Dates: 1/21/2014 - 1/20/2015
Direct Funds: \$9,192
Indirects: \$2,758
Total Funding: \$11,950

Principal Investigator: **Seligman, Neil S**
Sponsor: 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 - 2/28/2015
Direct Funds: \$9,365
Indirects: \$955
Total Funding: \$10,320

Principal Investigator: **Shoots, Kelly I**
Sponsor: Genesee Valley Medical Foundation
Title: Caring for growing families: a multidisciplinary approach to group prenatal care in a community ob/gyn clinic
Dates: 4/1/2013 - 9/30/2014
Direct Funds: \$4,670
Indirects: \$0
Total Funding: \$4,670

Principal Investigator: **Srivastava, Rajesh K**
Sponsor: Mae Stone Goode
Title: Effects of Bisphenol A and Phthalates on Human Ovarian Granulosa Cell Steroidogenesis
Dates: 3/1/2014 - 2/28/2015
Direct Funds: \$18,000
Indirects: \$2,700
Total Funding: \$20,700

Principal Investigator: **Stahlhut, Richard W**
Sponsor: Mae Stone Goode
Title: The association between prenatal phthalate exposure and childhood asthma symptoms
Dates: 3/16/2011 - 12/31/2014
Direct Funds: \$13,044
Indirects: \$1,956
Total Funding: \$15,000

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

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

Principal Investigator: **Stodgell, Christopher J**
Sponsor: Mae Stone Goode
Title: Gene Expression in Neural Tube Defects: Studies in the Cohen Rat Model
Dates: 4/1/2007 - 12/31/2014
Direct Funds: \$39,130
Indirects: \$5,870
Total Funding: \$45,000

Principal Investigator: **Stodgell, Christopher J**
Sponsor: Mae Stone Goode
Title: Integrated pathway analysis for genetic data
Dates: 10/1/2009 - 12/31/2014
Direct Funds: \$10,000
Indirects: \$0
Total Funding: \$10,000

Principal Investigator: **Stodgell, Christopher J**
Sponsor: Mae Stone Goode
Title: Training in statistical genetics
Dates: 1/1/2010 - 12/31/2014
Direct Funds: \$2,609
Indirects: \$391
Total Funding: \$3,000

Principal Investigator: **Stodgell, Christopher J**
Sponsor: Mae Stone Goode
Title: Gene-Environment Interactions in Teratogen-Induced Autism
Dates: 1/1/2010 - 12/31/2014
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 - 12/31/2014
Direct Funds: \$14,000
Indirects: \$2,100
Total Funding: \$16,100

Principal Investigator: **Thornburg, Lorelei Lacina**
Sponsor: UNIV/SUNY-Buffalo
Title: Comparing gabapentin, ondansetron and placebo in treating hyperemesis gravidarum
Dates: 1/5/2014 - 12/31/2014
Direct Funds: \$341,539
Indirects: \$182,723
Total Funding: \$524,262

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 - 1/31/2015
Direct Funds: \$12,286
Indirects: \$1,842
Total Funding: \$14,128

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 - 2/28/2015
Direct Funds: \$10,125
Indirects: \$1,070
Total Funding: \$11,195

Principal Investigator: **Wood, Ronald Wesley**
Sponsor: Mae Stone Goode
Title: Novel Methods for the Study of Murine Voiding Dysfunction and Pelvic Anatomy
Dates: 2/14/2008 - 12/31/2013
Direct Funds: \$8,695
Indirects: \$1,305
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 - 12/31/2014
Direct Funds: \$13,043
Indirects: \$1,957
Total Funding: \$15,000

Principal Investigator: **Zozzaro-Smith, Paula E**
Sponsor: Mae Stone Goode
Title: Imaging of the placental vascular network in normal vs. preeclamptic pregnancies
Dates: 1/1/2013 - 12/31/2014
Direct Funds: \$10,998
Indirects: \$1,650
Total Funding: \$12,648

HONORS AND AWARDS

Cynthia L. Angel, M.D.

1. 2013 Howard J. Berman Prize
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
5. America's Top Oncologist - SLD Industries, Inc.

Emily S. Barrett, Ph.D.

1. BIRCWH Scholar - NIH- Office for Research on Women's Health (National Award)

Amy R. Benjamin, M.D.

1. Strong Star Certificate of Appreciation (three recognitions)
2. Designee, Center of Excellence in Minimally Invasive Gynecology - AAGL (National Award) - 9/2013

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

1. Faculty Nominee for Arthur P. Gold Humanism in Medicine award - first female nominee from U of R for this national award with only 42 nominees from around the country.

Bala Bhagavath, M.D.

1. Journal of Minimally Invasive Gynecology Certificate of Excellence (National Award) 2013-2014

Gunhilde Buchsbaum, M.D.

1. Dean's List for high academic achievement in the Executive MBA Program - University of Rochester, Simon Business School, Rochester, NY - 1/2014-6/2014
2. Dean's List for high academic achievement in the Executive MBA Program - University of Rochester, Simon Business School, Rochester, NY - 8/2013-12/2013
3. Patient and Family Centered Care Award - University of Rochester Medical Center - 2013
4. Physician Excellence Award - University of Rochester Medical Center Board - 2013
5. COEMIG recognition as Surgeon of Excellence in Minimally Invasive Gynecologic Surgery - COEMIG - 2013

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

1. Selected as URSMD/Susan B. Anthony Center Women' Faculty Development Program, Developing From Within: Exploring and Enhancing Choices for Mid-Career Women in Academic Medicine for 2014

Jorge F. Carrillo, M.D.

1. Strong Star Certificate of Appreciation for commitment to resident teaching 5/2014.
2. National Hispanic Medical Association Recognition for leadership on the Council of Medical Societies and work on chronic pelvic pain patients in the community 3/2014.

Brent DuBeshter, M.D.

1. APGO Excellence in Teaching Award

Timothy De Ver Dye, Ph.D.

1. Fellow (Elected) - American College of Epidemiology (National Award) - 2014
2. Fellow (2004) and Chartered Geographer (2006) - Royal Geographic Society, London, UK (National Award) - 2004-Present

Constantino Fernandez, M.D.

1. Lo Mejor de lo Nuestro Award (the best of our own) IBERO American Action League, 11/1/13
2. Luisa Baars Award, The Rochester Latino Rotary Club, 4/26/14

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

1. ASRM Star Award - American Society for Reproductive, 10/2013

Lioudmila V. Lipetskaia, M.D.

1. Strong Star: Above and Beyond

Katrina F. Nicandri, M.D.

1. Patient and Family Centered Care Top Performers Award - Strong Memorial Hospital, Rochester, NY - 2012-2013
2. AAMC: Early Career Women Faculty Professional Development Seminar - AAMC, Englewood, CO - 2014
3. Strong Stars (two)

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

1. Strong Stars

Ronald W. Wood, Ph.D.

1. Patent: Ronald W. Wood, Quaternary antimuscarinic compounds for the treatment of bladder diseases US 8481518 B2, July 9, 2013
ABSTRACT: The present invention relates to a method for treating bladder disease, including urinary incontinence, which involves intravesical administration of quaternary antimuscarinic compounds having longer duration of effect and fewer side effects than standard treatments.

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

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

PRESENTATIONS AT NATIONAL AND REGIONAL MEETINGS

Cynthia L. Angel, M.D.

1. Guest Speaker at Gynecologic Oncology Support Group at Hope Lodge, Rochester, NY, 10/10/2013

Emily S. Barrett, Ph.D.

1. Phthalates: Latest Research from the University of Rochester. Emily Barrett; Quarterly Meeting of the URM Environmental Health Sciences Center Community Advisory Board, 12/2013
2. "Dietary Exposure to Endocrine Disruptors in Low Income Women" Shaw-Ree Chen and Emily Barrett; University of Rochester Clinical and Translational Sciences Institute Fall Seminar Series 2013, 10/2013
3. Phthalate and Bisphenol A Exposure and Maternal Hormone Concentrations During Pregnancy; Sheela Sathyanarayana, Emily Barrett, Christina Wang, Shanna Swan; Abstracts of the 2013 Conference of the International Society of Environmental Epidemiology (ISEE), the International Society of Exposure Science (ISES), and the International Society of Indoor Air Quality and Climate (ISIAQ), August 19–23, 2013, Basel, Switzerland. 2013. Environ Health Perspect; <http://dx.doi.org/10.1289/ehp.ehbase113>, 8/2013
4. Sexually-Dimorphic Associations of Prenatal Phthalate Exposure and Neurobehavioral Development in 6-10 Year Olds; Roni Kobrosly, Sarah Evans, Amir Miodovnik, Emily Barrett, Sally Thurston, Antonia Calafat; Abstracts of the 2013 Conference of the International Society of Environmental Epidemiology (ISEE), the International Society of Exposure Science (ISES), and the International Society of Indoor Air Quality and Climate (ISIAQ), August 19–23, 2013, Basel, Switzerland. 2013. Environ Health Perspect; <http://dx.doi.org/10.1289/ehp.ehbase113>, 8/2013

Sarah J. Betstadt, M.D.

1. Invited Speaker, Nurse Practitioner Association of the State of New York. "Evidence Based Contraception: It's a LARC", 11/2013
2. Guest Lecturer, Rochester Institute of Technology, Family Planning curriculum for third year physician assistant students, 3/2012
3. Invited to speak at ACOG District II (invitation 2/2014), Contraception for the Medically Complex Patient- Talk scheduled for 10/2014

Bala Bhagavath, M.D.

1. 2014 Health Professions' Faculty Development Colloquium presentation: Powerpoint charged with creating ineffective teachers and dissatisfied students. University of Rochester Medical Center, 6/11/2014

2. Grand Rounds presentation: "Uterine Fibroids" University of Rochester Medical Center, 10/24/2013
3. Debate: Argued in favor of Robotic Surgery in Benign Gynecology at the joint American Society of Reproductive Medicine/International Federation of Fertility Societies' international meeting in Boston, 10/15/2013

Adrienne D. Bonham, M.D.

1. Grand Rounds "Vulvovaginal Disorders" Department of Obstetrics and Gynecology, University of Rochester, Rochester NY, 11/2013
2. "A SCN9A Voltage-Gated Sodium Channel Polymorphism is Associated with Generalized Vulvodynia" Adrienne Bonham, Chris J Stodgell, Jay E Reeder, Mark Woodford, Robert D Mayer, Ronald W Wood, David C Foster - International Society for the Study of Vulvovaginal Disorders XXII World Congress. Rome, Italy, 10/2013

Gunhilde Buchsbaum, M.D.

1. Society of Gynecologic Surgeons (SGS) 40th Annual Scientific Meeting, Scottsdale, AZ "Variability of Anterior Vaginal Wall and Total Vaginal Length" (Non-Oral Poster) 3/2014
2. The Highlands at Pittsford Fall to your Health Lecture Series: Urinary Incontinence, 11/19/2013
3. URM Faculty Development Program - Advancing Women in Science and Medicine: How to Communicate Who You Are and What You Want through Your CV, 10/24/2013
4. American Urogynecologic Society (AUGS) 34th Annual Scientific Meeting, Las Vegas, NV "Cost Analysis of Robotic Assisted Sacral Colpopexy versus and open 5 cm Sacral Colpopexy." (Poster Presentation), 10/2013
5. American Urogynecologic Society (AUGS) 34th Annual Scientific Meeting, Las Vegas, NV "Barriers to Urogynecologic Care in a population of gynecologic Oncology patients." (Poster Presentation), 10/2013
6. Grand Rounds Presentation Department of OB/GYN at University of Rochester: Vaginal Surgery under Local Anesthesia, 9/12/2013

Jorge F. Carrillo, M.D.

1. "Lower urinary tract injury at the time of hysterectomy" University of Rochester Medical Center. OBGYN Grand Rounds, 4/24/2014
2. "Surgical volume is associated with urinary tract injury at the time of hysterectomy" Abstract presented at AAGL 42th Global Congress of Minimally Invasive Gynecology. November 2013. Washington, DC, 11/13/2013
3. "Teaching laparoscopic surgical skills: challenges and pitfalls" ACOG District II. 2013 Obstetrical Safety Tools, Drills, and Protocols conference. Saratoga, NY, 07/26/2013

Erin E. Duecy, M.D.

1. Grand Rounds: Stress Urinary Incontinence, Department of Geriatrics. URM. - 2013

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

1. Invited Speaker: NIH/NICHD: Review of basic science research in vulvodynia. Bethesda, MD, May, 2013.

Amy R. Harrington, M.D.

1. "Reproductive Health Care as a Basic Human Right" – Panel Discussion hosted by Medical Students for Choice, URMC, 11/2013
2. "Patient Knowledge Regarding Emergency Contraception" – Department of Ob/Gyn Research Workshop, URMC, 9/2013

Diane M. Hartmann, M.D.

1. AAMC 2014 Annual Meeting – CLER Presentation, “CLER Similarities: Moving Toward Standards Across the UME-GME-CME Continuum,” AAMC, Chicago, IL, 11/10/2014
2. CREOG School, RRC Day – CLER Presentation, “Promoting Excellence in the Clinical Learning Environment,” 2014 CREOG School Faculty; Chicago, IL, 5/21/2014
3. AAMC GRA 2014 Spring Meeting, “Incorporating the ACGME CLER Pathways into your Clinical Learning Environment”; AAMC GRA; Phoenix, AZ, 5/6/2014
4. SASCOG Meeting, “Leadership Development in Academic Medicine,” Society for Academic Specialists in OB-GYN, Chicago, IL, 4/27/2014
5. CREOG/APGO Annual Meeting, “Signs of Progress in Women’s Health Education,” Atlanta, GA, 2/26/2014
6. IHI Seminar, “Leveraging Front-Line Work”; with Robert Panzer, MD, IHI Seminar on ACGME CLER, Boston, MA, 11/19/2013
7. Plenary VI: Transition to the New Institution; Development and Implementation of Clinical Competency Committees in Graduate Medical Education; GME Strategic Planning, (3 Presentations) AAMC-GRA Spring Meeting, Savannah, GA, 5/6/2013
8. The ACGME’s Clinical Learning Environment Review (CLER) Program, GWU GME Retreat, Washington, DC, 4/19/2013
9. AAMC/NBME Clinical Education Thought Leaders Meeting; Pivio Electronic Portfolio Tool Committee, Philadelphia, PA, 4/1/2013
10. 2013 ACGME Annual Educational Conference; SES08: Specialty Update – Obstetrics and Gynecology, Orlando, FL, 3/2/2013
11. Obstetrics & Gynecology Review Committee Update, ACGME Annual Education Conference, Orlando, FL 2/28/2013
12. Endometriosis Current Issues Regarding pathogenesis and Treatment; The Use of DXA in Osteoporosis Evaluation, How Much is too Much? The Evaluation and Management of Post Menopausal Bleeding; Evaluation & Treatment of the Adenexal Mass, (4 Presentations) Vail OB-GYN 39th Annual Conference, Vail, CO, 2/18/2013
13. CLER – Clinical Learning Environment Review, CLER (CLER-RRC), Phoenix, AZ, 1/14/2013

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

1. Uniqueness of Women’s Health – Podium Discussion Rochester Academy of Medicine (Complementary Medicine) May 17, 2013

Kathleen M. Hoeger, M.D.

1. ASRM Annual Meeting "Lifestyle Factors and Reproductive Health: What Matters?" Boston, MA, 10/2013
2. 5th Peacocks Symposium "Are women with PCOS predisposed to obesity?" Debate. Sabran, France, 9/2013

Vivian Lewis, M.D.

1. Lewis V, Martina CA, McDermott M, Morse, GD, Goodman S. as Poster presentation: Mentoring interventions: impact on career development. Annual meeting: Society of Clinical Translational Science. Washington DC, April 2014
2. Lewis V, Jeffe DB, Andriole DA, McGee R. Evidence-based Approaches to Promoting Diversity in the Academic Medicine Workforce. Association of American Medical Colleges annual meeting. Philadelphia. November 2013
3. Lewis V, Trief P. Speed mentoring. Institute on teaching and mentoring annual conference. Arlington Virginia, October 2013
4. Lewis V. Mentors, medicine and metrics. Presentation for The Dynamics of Change Panel. Harvard College 40th reunion, October 2013.
5. Lewis V, Protégés and mentors- are they on the same page?- National Institute of General Medical Studies- Interventions to Increase Diversity in Biomedical Research- annual meeting. San Diego CA, August 2013

Lioudmila V. Lipetskaia, M.D.

1. Azadi A, Francis SL, Taylor KC, Diaz S, Yeganeh, T, Ostergard DR. The Anatomical Outcome of Robotic Sacrocolpopexy for Treatment of Pelvic Organ Prolapse: A Comparison of Obese and Non-Obese Patients. International Urogynecology Association. 38th Annual Meeting. Dublin, Ireland. July 2013

Shawn P. Murphy, Ph.D.

1. Murphy SP, Bushway ME, Zozzaro-Smith P, Fenton B, Miller RK, Lord EM, Gerber SA. (2013) Visualization of Human Placental Architecture by Whole Mount Immunofluorescence Microscopy. International Federation of Placenta Associations, Whistler, Canada.
2. Murphy SP, Bushway ME, Gerber SA, Miller RK, Lord EM. (2013) Characterization of Interferon Responses in Human Placental Explants by Whole Mount Immunofluorescence. International Federation of Placenta Associations, Whistler, Canada.
3. Murphy SP, Bushway ME, Zozzaro-Smith P, Fenton B, Miller RK, Lord EM, Gerber SA. (2013) Imaging of human placental architecture using whole mount immunofluorescence microscopy. Society for the Study of Reproduction, Montreal, Canada.

Ellen L. Poleshuck, Ph.D.

1. E Poleshuck, E. Bell (2014, August). Development of a Patient-Centered Approach to Depression for Women with Socioeconomic Disadvantage. Paper to be presented at the

- American Psychological Association, Washington, DC.
2. S Danzo, C Cerulli, E Poleshuck. (2014, April). Using a Tablet-Based Screen to Identify Psychosocial Needs in Women's Health Patients: A Feasibility Study. Poster presented at the 22nd Annual Congress on Women's Health, Washington, DC.

Eva K. Pressman, M.D.

1. Snyder Y, Donlin-Smith C, Pressman E, Ciafaloni E. The Course and Outcome of Pregnancy in Women with Nondystrophic Myotonias. American Academy of Neurology 66th Annual Meeting, April 26 to May 3, 2014, Philadelphia, PA - 5/3/2014
2. Snyder Y, Donlin-Smith C, Pressman E, Ciafaloni E. The Course and Outcome of Pregnancy in Women with Nondystrophic Myotonias. American Academy of Neurology 66th Annual Meeting, April 26 to May 3, 2014, Philadelphia, PA - 5/2014
3. Corrie M. Whisner, Elizabeth M. Cooper, Eva K. Pressman, Kimberly O. O'Brien. A brief survey of digital media access among pregnant teens. Experimental Biology, San Diego, CA - 4/1/2014
4. Jocelyn Durlacher, Philip J. Katzman, Sunmin Lee, Ronnie Guillet, Eva Pressman, Elizabeth Cooper, Kimberly O. O'Brien. Umbilical cord coiling in adolescent and multiples pregnancies: associations with iron status. Experimental Biology, San Diego, CA - 4/1/2014
5. Sunmin Lee, Ronnie Guillet, Elizabeth Cooper, Mark Westerman, Mark Orlando, Eva Pressman, Kimberly O'Brien. Prevalence of anemia and iron deficiency among pregnant adolescents. Experimental Biology, San Diego, CA - 4/1/2014
6. Yuan Ru, Eva K. Pressman, Ronnie Guillet, Beth M. Cooper, Philip J. Katzman, Sarah Caveglia, Kimberly O. O'Brien. Variable iron status among twins and triplets at birth. Experimental Biology, San Diego, CA - 4/1/2014
7. Jocelyn Durlacher, Philip J. Katzman, Sunmin Lee, Ronnie Guillet, Eva Pressman, Elizabeth Cooper, Kimberly O. O'Brien. Umbilical cord coiling in adolescent and multiples pregnancies: associations with iron status. Experimental Biology, San Diego, CA - 4/2014
8. Yuan Ru, Eva K. Pressman, Ronnie Guillet, Beth M. Cooper, Philip J. Katzman, Sarah Caveglia, Kimberly O. O'Brien. Variable iron status among twins and triplets at birth. Experimental Biology, San Diego, CA - 4/2014
9. Corrie M. Whisner, Elizabeth M. Cooper, Eva K. Pressman, Kimberly O. O'Brien. A brief survey of digital media access among pregnant teens. Experimental Biology, San Diego, CA - 4/2014
10. Sunmin Lee, Ronnie Guillet, Elizabeth Cooper, Mark Westerman, Mark Orlando, Eva Pressman, Kimberly O'Brien. Prevalence of anemia and iron deficiency among pregnant adolescents. Experimental Biology, San Diego, CA - 4/2014
11. Corrie M Whisner, Elizabeth M Cooper, Eva K Pressman, Kimberly O O'Brien. Infant Cord Cortisol Is Impacted by Birth Size in Pregnant Adolescents. 61st Annual Meeting of the Society of Gynecologic Investigation, Florence, Italy - 3/20/2014
12. Kimberly O O'Brien, Chang Cao, Lauren Cowen, Sarah Caveglia, Beth Cooper, Eva K Pressman. Red Blood Cell Catabolism as a Source of Fetal Iron. 61st Annual Meeting of the Society of Gynecologic Investigation, Florence, Italy - 3/20/2014
13. Kimberly O O'Brien, Chang Cao, Lauren Cowen, Sarah Caveglia, Beth Cooper, Eva K Pressman. Red Blood Cell Catabolism as a Source of Fetal Iron. 61st Annual Meeting of the Society of Gynecologic Investigation, Florence, Italy - 3/2014

14. Corrie M Whisner, Elizabeth M Cooper, Eva K Pressman, Kimberly O O'Brien. Infant Cord Cortisol Is Impacted by Birth Size in Pregnant Adolescents. 61st Annual Meeting of the Society of Gynecologic Investigation, Florence, Italy - 3/2014
15. Lorelei L. Thornburg, Briget Marroquin, Chris Arnold, Erin Duecy, Eva Pressman. Interdisciplinary Simulation to Improve Communication in Maternal Critical Events. Poster Presentation at CREOG & APGO Annual meeting, Atlanta, GA - 2/25/2014
16. Lorelei L. Thornburg, Briget Marroquin, Chris Arnold, Erin Duecy, Eva Pressman. Interdisciplinary Simulation to Improve Communication in Maternal Critical Events. Poster Presentation at CREOG & APGO Annual meeting, Atlanta, GA - 2/2014
17. Thornburg L, Duecy E, Arnold C, Pressman E. Simulation for learning obstetrical skillserepeated testing and self-efficacy. Society for Maternal Fetal Medicine Annual Meeting, New Orleans, LA - 1/30/2014
18. Zozzaro-Smith P, Bushway M, Gerber S, Pressman E, Miller R, Lord E, Murphy S. Imaging of the placental architecture in normotensive versus pregnancies complicated by preeclampsia. Society for Maternal Fetal Medicine Annual Meeting, New Orleans, LA - 1/30/2014
19. Thornburg L, Duecy E, Arnold C, Pressman E. Simulation for learning obstetrical skillserepeated testing and self-efficacy. Society for Maternal Fetal Medicine Annual Meeting, New Orleans, LA - 1/2014
20. Zozzaro-Smith P, Bushway M, Gerber S, Pressman E, Miller R, Lord E, Murphy S. Imaging of the placental architecture in normotensive versus pregnancies complicated by preeclampsia. Society for Maternal Fetal Medicine Annual Meeting, New Orleans, LA - 1/2014

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

1. "Ovulation Induction"; "Prevention and Management of Complications in Laparoscopic and Hysteroscopic Surgery"; "Ectopic Pregnancy"; Evaluation and Management of Hirsutism and PCOS" 21st Annual Review of Obstetrics and Gynecology, Lake Buena Vista, Fla. October 16-18, 2013.
2. "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, Boston, MA. October 12, 2013.
3. "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 23-25, 2013.

Ruth Anne Queenan, M.D.

1. "Obstetric Ultrasound, Indications, Interpretation, and Cost Containment". Department of Family Medicine Monthly Lunch Conference. University of Rochester. - 3/2014
2. "Utilization of an interprofessional Kaizen process to improve labor induction scheduling". American Nurses Association, 8th Annual Quality Conference, Phoenix, AZ. - 2/2014
3. OBGYN Strategic Plan. Presentation at the Highland Hospital Board of Directors Annual Strategic Planning Meeting. Rochester, NY. - 9/2013

Neil S. Seligman, M.D.

1. Smoking Cessation During Pregnancy. University of Rochester Department of Obstetrics and Gynecology, Rochester, NY (Grand Rounds) - 2/2014
2. Seligman NS and Laniewski S. An update on Non-invasive prenatal testing, anatomy ultrasound, and twin-twin transfusion syndrome. Associates for Women's Medicine, Syracuse, NY - 12/2013
3. Smoking Cessation During Pregnancy. Rochester General Hospital Department of Obstetrics and Gynecology, Rochester, NY (Grand Rounds) - 10/2013
4. Biophysical profile and resident performed ultrasounds. University of Rochester Department of Obstetrics and Gynecology, Rochester, NY (Full Time/Part Time Faculty Meeting) - 10/2013

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

1. "The Population Impact of Environmental Chemicals." Preventive Medicine 2014. New Orleans. American College of Preventive Medicine annual meeting. - 2/20/2014

Wendy S. Vitek, M.D.

1. Urology grand rounds, Fertility preservation: expanding our understanding of reproductive physiology, University of Rochester Medical Center - 2014
2. Pediatric Grand Rounds, Fertility Preservation: Hope for the future. Women and Children's Hospital of Buffalo (1 hour) - 2014
3. Medical endocrinology case conference, The role of aromatase inhibitors for fertility preservation in women with breast cancer, University of Rochester (1 hour) - 2013
4. Pediatric Hematology/Oncology CME presentation, Fertility preservation: hope for the future, University of Rochester (1 hour) - 2013
5. W. Vitek, K. Hoeger, Y. Han, S. Messing, M. Shayne, C. Fung. Systematic review and meta-analysis of GnRH agonist for preservation of ovarian function in women with hormone receptor negative breast cancer after chemotherapy. 69th annual meeting, American Society for Reproductive Medicine. Boston, MA. - 2013
6. Wilmot Cancer Center Testicular Cancer Support Group Guest Speaker - 2013
7. Ob/Gyn department research conference, Do GnRH agonist provide ovarian protection? University of Rochester Medical Center - 2013
8. New York State Association of County Clerks and Medical Examiners Fall Conference, Posthumous sperm aspiration and reproduction, RIT Inn and Conference Center - 2013
9. Medical Student Lectures for Disease Process and Therapeutics, Disorders of Sexual and Pubertal Development, Infertility, Early Pregnancy Complications, Menopause. University of Rochester School of Medicine and Dentistry - 2013

Ronald W. Wood, Ph.D.

1. Rahimi H, Wood R, Kuzin I, Tyler W, Dieudonne G, Kates S, Ritchlin CT, Schwarz EM. A127: validating popliteal lymph node phenotype and bin expansion as biomarkers of rheumatoid arthritis knee flare in clinical pilot studies. *Arthritis Rheumatol.* 2014 Mar;66 Suppl 3:S166-7. doi: 10.1002/art.38548. - 3/27/2014-3/27/2014
2. Gillian Stearns, Mark R. Woodford, Taylor Remillard, Ronald W. Wood, Steve K. Landas, Henry Okafor, Jay E. Reeder: Ketamine Induced Cystitis: Man to Mouse? Sixty-

- fifth annual meeting of the Northeast Section of the American Urologic Association, Saratoga Springs NY (Abstract) - 10/30/2013-11/3/2013
3. Bouta, EM, Wood RW, Rahimi H, Ritchlin CT, Schwarz EM. Anti-TNF and methotrexate therapy restores lymphatic contraction in murine inflammatory arthritis. Podium Presentation. GRC Molecular Mechanisms in Lymphatic Function & Disease Conference, Lucca, Italy, March 2014.
 4. Bouta, EM, Wood RW, Rahimi H, Ritchlin CT, Schwarz EM. Anti-TNF and methotrexate therapy restores lymphatic contraction in murine inflammatory arthritis. Podium Presentation. GRS Molecular Mechanisms in Lymphatic Function & Disease Conference, Lucca, Italy, March 2014.
 5. Bouta EM, Wood RW, Brown EB, Rahimi H, Ritchlin CT, Schwarz EM. Pressure and Viscosity Measurements in Afferent Lymphatics to Elucidate the Mechanisms of Arthritic Flare. Podium Presentation. Vascular Biology and Microcirculation Society Meeting, Cape Cod, MA, October 2013.
 6. Bouta EM, Wood RW, Brown EB, Rahimi H, Ritchlin CT, Schwarz EM. Pressure and Viscosity Measurements in Afferent Lymphatics to Elucidate the Mechanisms of Arthritic Flare. Podium Presentation. Center for Musculoskeletal Research Symposium, Rochester, NY, September 2013.

Paula E. Zozzaro-Smith, D.O.

1. Annual ACOG Clinical Meeting – Chicago, IL 2014 as Poster Presentation: Association between obesity during pregnancy and the utilization of prenatal services; Paula Zozzaro-Smith DO, Stephen Bacak DO MPH, Jennifer Park, Melanie Spall, J. Christopher Glantz MD, Lorelei L. Thornburg MD
2. 34th Society for Maternal Fetal Medicine Annual Meeting – New Orleans, LA 2014 as Poster Presentation: Imaging of the placental architecture in normotensive versus pregnancies complicated by preeclampsia; Paula Zozzaro-Smith DO, Meghan Bushway, Scott Gerber PhD, Eva Pressman MD, Edith Lord PhD, Shawn P. Murphy PhD
3. 34th Society for Maternal Fetal Medicine Annual Meeting – New Orleans, LA 2014 as Poster Presentation: Second and third trimester weight gain and perinatal outcome among twin pregnancies; Tulin Ozcan MD, Stephen Bacak DO, Paula Zozzaro-Smith DO, Neil Seligman MD, J. Christopher Glantz MD

PUBLICATIONS

Emily S. Barrett, Ph.D.

1. Sathyanarayana, S, Barrett, E, Butts, S, Wang, C, Swan, SH. "Phthalate exposure and reproductive hormone concentrations in pregnancy." *Reproduction : the official journal of the Society for the Study of Fertility*. 2014 147(4): 401-9. Epub 2014 Mar 2.
2. O'Connor TG, Barrett ES. "Mechanisms of prenatal programming: identifying and distinguishing the impact of steroid hormones." *Frontiers in endocrinology*. 2014 5: 52. Epub 2014 Apr 14.
3. Barrett ES, Parlett LE, Redmon JB, Swan SH. "Evidence for sexually dimorphic associations between maternal characteristics and anogenital distance, a marker of reproductive development." *American journal of epidemiology*. 2014 Jan 1; 179(1): 57-66. Epub 2013 Oct 11.
4. Barrett ES, Sobolewski M. "Polycystic ovary syndrome: do endocrine-disrupting chemicals play a role?". *Seminars in reproductive medicine*. 2014 May; 32(3): 166-76. Epub 2014 Apr 8.
5. Barrett, ES, Parlett, LE, Windham, GC, Swan, SH. "Differences in ovarian hormones in relation to parity and time since last birth." *Fertility and sterility*. 2014 Jun; 101(6): 1773-80.e1. Epub 2014 Mar 28.
6. Serrano, SE, Seixas, NS, Karr, CJ, Barrett, ES, Janssen, S, Redmon, JB, Nguyen, RHN, Swan, SHS, Sathyanarayana, S, and the TIDES Study Team. "Dietary phthalate exposure in pregnant women and the impact of consumer practices." *International journal of environmental research and public health*. 2014 Jun; 11(6): 6193-215. Epub 2014 Jun 12.
7. Barrett, ES, Redmon, JB, Wang, C, Sparks, A, Swan, SH (2014) Exposure to prenatal life events stress is associated with masculinized play behavior in girls. *Neurotoxicology*. 41C: 20-27.
8. Barrett ES, Sathyanarayana, S, Janssen S, Redmon JB, Nguyen, R, Kobrosly R, Swan SH and the TIDES Study Team (2014) Environmental Health attitudes and behaviors: findings from a large pregnancy cohort study. *European Journal of Obstetrics & Gynecology and Reproductive Biology*. 176:119-25
9. Kobrosly, RW, Evans, S., Miodovnik, A., Barrett, ES, Thurston, SW, Calafat, AM, Swan, SH (2014) Prenatal phthalate exposure and neurobehavioral development scores in boys and girls at 6-10 years of age. *Environmental Health Perspectives*. 122(5):521-8.

Sarah J. Betstadt, M.D.

1. Flink-Bochacki, R and Betstadt SJ. Birth Control Updates: Long-Acting Reversible Contraception. Peri-Facts Academy, Gynecology Course, May 2014. <http://www.urmc.rochester.edu/obygn/Peri-Facts>.

Bala Bhagavath, M.D.

1. Albright CM, Bhagavath B, Frishman GN. "Surgical aspects of removal of Essure microinsert." *Contraception*. 2013 Sep; 88(3): 334-6. Epub 2013 Jan 3.
2. The University of Rochester Medical Center, Peri-FACTS Education Program (2013). Article: Uterine Myomas and Their Impact on Fertility, Case #1058. Rochester, NY: The University of Rochester.

3. The University of Rochester Medical Center, Peri-FACTS Education Program (2014). Article: Primary Amenorrhea, Case #1074 GYN. Rochester, NY: The University of Rochester.
4. Alur, S; Bhagavath, B; Nicandri, K. "Longitudinal Vaginal Septa With Associated Uterine Anomalies: A Case Series". Female Pelvic Medicine & Reconstructive Surgery. 2014.

Adrienne D. Bonham, M.D.

1. Wesselmann U., Bonham A., Foster D. "Vulvodynia: Current state of the biological science". PAIN, 2014.

Gunhilde Buchsbaum, M.D.

1. Buchsbaum GM, Doyle PJ, Glantz JC, Sato HR, Thomas SG. "Prevalence of symptomatic pelvic floor disorders among gynecologic oncology patients." Obstetrics and gynecology. 2013 Nov; 122(5): 976-80.

Jorge F. Carrillo, M.D.

1. "Uterine myomas and their impact on fertility". Bala Bhagavath, M.D., Jorge F. Carrillo, M.D. Peri-FACTS®Academy. Gynecology Course Case #1058.
2. "Does surgeon volume affect the risk of lower urinary tract injury at the time of abdominal hysterectomy?" Jorge Carrillo, Anees Fazili, Smitha Vilasagar, Franca Kraenzlin, Jason Birnbaum, Laura Gomez, Louis Eichel, Fred Howard. Journal of Minimally Invasive Gynecology Vol. 20, Issue 6, Supplement, Pages S93-S94. November 2013.
3. "Laparoscopic Simulation: OB/GYN and Urology resident perceptions and performance." Jorge Carrillo, Emily Thompson, Amy Benjamin, Ahmed Ghazi. Journal of Minimally Invasive Gynecology Vol. 20, Issue 6, Supplement, Pages S129-S130. November 2013.
4. "Recurrent Endometriosis after Hysterectomy and Bilateral Salpingoophorectomy". J.F. Carrillo, F.M. Howard. Journal of Minimally Invasive Gynecology. Vol. 20, Issue 6, Supplement, Page S183. November 2013. Video presentation.

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

1. Young, BE; Cooper, EM; McIntyre, AW; Kent, T; Witter, F; Harris, ZL; O'Brien, KO.. "Placental vitamin D receptor (VDR) expression is related to neonatal vitamin D status, placental calcium transfer, and fetal bone length in pregnant adolescents." FASEB J. 2014 28.
2. Lunish RA, Young BL, Lee S, Cooper E, Pressman E, Guillet R, O'Brien KO.. "Gestational iron deficiency is associated with pica behaviors in adolescents." J Nutr. 2014 144(10): 1533-9.
3. Cao C, Cooper EM, Kent T, Li S, O'Brien KO, Pressman EK, Queenan RA, Young BV. "Placental CYP27B1 and CYP24A1 expression in human placental tissue and their association with maternal and neonatal calcitropic hormones." The Journal of clinical endocrinology and metabolism. 2014 Apr; 99(4): 1348-56. Epub 2014 Jan 28.

Erin E. Duecy, M.D.

1. Crosby EC, Duecy EE, Flynn MK, Vilasagar S. "Expectant management of cystotomy at the time of midurethral sling placement: a retrospective case series." *International urogynecology journal*. 2013 Sep; 24(9): 1543-6. Epub 2013 Feb 16.

Timothy De Ver Dye, Ph.D.

1. Berry MJ, Dye TD, Ralston NV, Sauvage LM, Soon R. "Seafood consumption and umbilical cord blood mercury concentrations in a multiethnic maternal and child health cohort." *BMC pregnancy and childbirth*. 2014 14: 209. Epub 2014 Jun 18.
2. Dye T, Grace C, Hiraoka M, Killeen JL. "Improved abnormal Pap smear triage using cervical cancer biomarkers." *Journal of lower genital tract disease*. 2014 Jan; 18(1): 1-7.
3. Soon R, Dye TD, Ralston NV, Berry MJ, Sauvage LM. Seafood consumption and umbilical cord blood mercury concentrations in a multiethnic maternal and child health cohort. *BMC pregnancy and childbirth* 2014;14:209.
4. Killeen JL, Dye T, Grace C, Hiraoka M. Improved Abnormal Pap Smear Triage Using Cervical Cancer Biomarkers. *Journal of lower genital tract disease*, 2014;18:1-7.
5. Rocha FG, Zalud I, Dye T. Ethnic variation of gastroschisis and omphalocele in the United States of America. *The Journal of Maternal-Fetal & Neonatal Medicine* 2014: 1-3.
6. Li D, Le Pape MA, Parikh NI, Chen WX, Dye TD. Assessing Differential Expression in Two-Color Microarrays: A Resampling-Based Empirical Bayes Approach. *PLoS ONE* 2013;8:e80099.
7. Li D, Dye TD. Power and Stability Properties of Resampling-Based Multiple Testing Procedures with Applications to Gene Oncology Studies. *Computational and mathematical methods in medicine*, 2013.
8. Tsai PJS., Roberson E, Dye, T. Gestational diabetes and macrosomia by race/ethnicity in Hawaii. *BMC research notes*, 2013;6:395.

Constantino Fernandez, M.D.

1. FLSA 2020 Performance commissions to avoid emergency room visits, hospital readmissions and post emergency room follow up with primary care physicians using case managers report.

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

1. Candace S Brown, Gloria A Bachmann, and David C Foster, and the Gabapentin (GABA) Study Group. Challenge of Conducting a Multicenter Clinical Trial: Experience in Commencing a Vulvodynia Research Protocol *Journal of Women's Health*. March 2013, 22(3): 291-292.
2. Jay E. Reeder, Timothy K. Byler, David C. Foster, Steve K. Landas, Henry Okafor, Gillian Stearns, Ronald W. Wood, Yachao Zhang, Robert D. Mayer Polymorphism in the SCN9A Voltage-Gated Sodium Channel Gene Associated With Interstitial Cystitis/Bladder Pain Syndrome. *Urology*, Volume 81, Issue 1, Pages 210.e1-210.e4 2013
3. Brown CS, Foster DC, Rawlinson L, Bachmann GA. Rationale and design of a multicenter randomized clinical trial of extended release gabapentin in provoked vestibulodynia and biological correlates of response. *Contemp Clin Trials*. 2013;36:154-65.

4. Brown CS, Bachmann GA, Foster DC Challenge in conducting a multicenter clinical trial: Experience in commencing a vulvodynia research protocol. *J Women's Health* 2013;22(3):291-2.
5. Pavan Balabathula, Himanshu Bhattacharjee, Laura A. Thoma, Robert J. Nolly, Frank P. Horton, Gwendolyn D. Stornes, Jim Y. Wan, Ian M. Brooks, Gloria A. Bachmann, David C. Foster, and Candace S. Brown. Potency and Stability of Intradermal Capsaicin: Implications for Use as a Human Model of Pain in Multicenter Clinical Trials. *Clinical & Experimental Pharmacology*. 2013: 3:142.
6. Ursula Wesselmann, Adrienne Bonham, David Foster. Vulvodynia: Current state of the biological science. *Pain*. 155(2014) 1696-1701.

Abstracts

7. Adrienne Bonham, Chris J Stodgell, Jay E Reeder, Mark Woodford, Robert D Mayer, Ronald W Wood, David C Foster. A SCN9A Voltage-Gated Sodium Channel Polymorphism is Associated with Generalized Vulvodynia. Abstract, *Journal of Lower Genital Tract Disease*, October, 2013.
8. McDonald CS, Vuthipadadon S, Sakauye M, Washington M, Rawlinson L, BROWN C, Foster D, Bachmann G, Brooks IM. Electronic Diary-Based Data Capture in a Pain Clinical Trial Data Management System. AMIA Summit on Clinical Research Informatics (CRI), San Francisco CA, 2013.
9. McDonald CS, Vuthipadadon S, Kuscus E, Sakauye M, Brooks IM, Washington M, BROWN CS, Foster D, Bachmann G. A Web Based Recruiting System for Clinical Pain Trials. American Academy of Pain Medicine (AAPM) 29th Annual Meeting, Fort Lauderdale, Florida (Apr) 2013.
10. Brown C, Foster D, Bachour C, Dworkin R, Rawlinson L, Wan J, Bachmann G. Presenting symptoms among African American and Caucasian women with vulvodynia. *Women's Health* 22nd Annual Congress, Washington DC, Apr 2014.
11. Brown C, Bachour C, Bachmann G, Wan J, Vuthipadadon Y, Rawlinson L, Foster D. Comparison of sexual abuse in women with primary vs. secondary vestibulodynia. Society for Sex Therapy and Research (SSTAR) annual meeting, Pittsburg, PA Apr 2014
12. Brown C, Ling F, Foster D, Naruponjirakul N, Bachmann G. Vulvodynia: Diagnosis, Treatment, and Research Directions (DVD). American College of Obstetricians and Gynecologists (ACOG) Annual Clinical Meeting, Chicago, IL, Apr 2014.
13. Phillips N, Brown C, Foster D, Bachour C, Rawlinson L, Wan J, Bachmann G. Presenting symptoms among premenopausal and postmenopausal women with vulvodynia: A case series. NAMS annual meeting, 2015.

J. Christopher Glantz, M.D.

1. Kurtzman JH; Wasserman EB; Suter BJ; Glantz JC; Dozier AM. "Measuring Adequacy of Prenatal Care: Does Missing Visit Information Matter?". *Birth*. 2014 41(3): 254-261.
2. Glance LG; Dick AW; Glantz JC; Wissler RN; Qian F; Marroquin BM; Mukamel DB; Kellermann AL. "Rates Of Major Obstetrical Complications Vary Almost Fivefold Among US Hospitals." *Health Affairs*. 2014 33(8): 1330-1336.
3. Thomas SG, Sato HRN, Glantz JC, Doyle PJ, Buchsbaum GM. Prevalence of symptomatic pelvic floor disorders among gynecologic oncology patients. *Obstetrics & Gynecology* 2013;122(5):976-980.

Abstracts:

4. Ozcan T, Bacak S, Zozarro-Smith P, Seligman N, Glantz C. Second and Third Trimester Weight Gain and Perinatal Outcome Among Twin Pregnancies. *American Journal of Obstetrics and Gynecology* 2014;210(1):S286. (Poster presentation at Society for Maternal-Fetal Medicine 34th Meeting, New Orleans, LA, 2014).
5. Mack L, Gray L, Dolan J, Rich J, Glantz JC, Thornburg L. Head Circumference-to-Abdominal Circumference Ratio: A Predictor of Shoulder Dystocia? *Journal of Ultrasound in Medicine* 2014;33(supp):S51. (Oral presentation at American Institute of Ultrasound in Medicine Annual Convention, Las Vegas, NV, 2014).
6. Glantz JC, Sheth T, Gray L. Third-Trimester Fetal Biometry and Neonatal Outcome in Term Deliveries. *Journal of Ultrasound in Medicine* 2014;33(supp):S53. (Oral presentation at American Institute of Ultrasound in Medicine Annual Convention, Las Vegas, NV, 2014).
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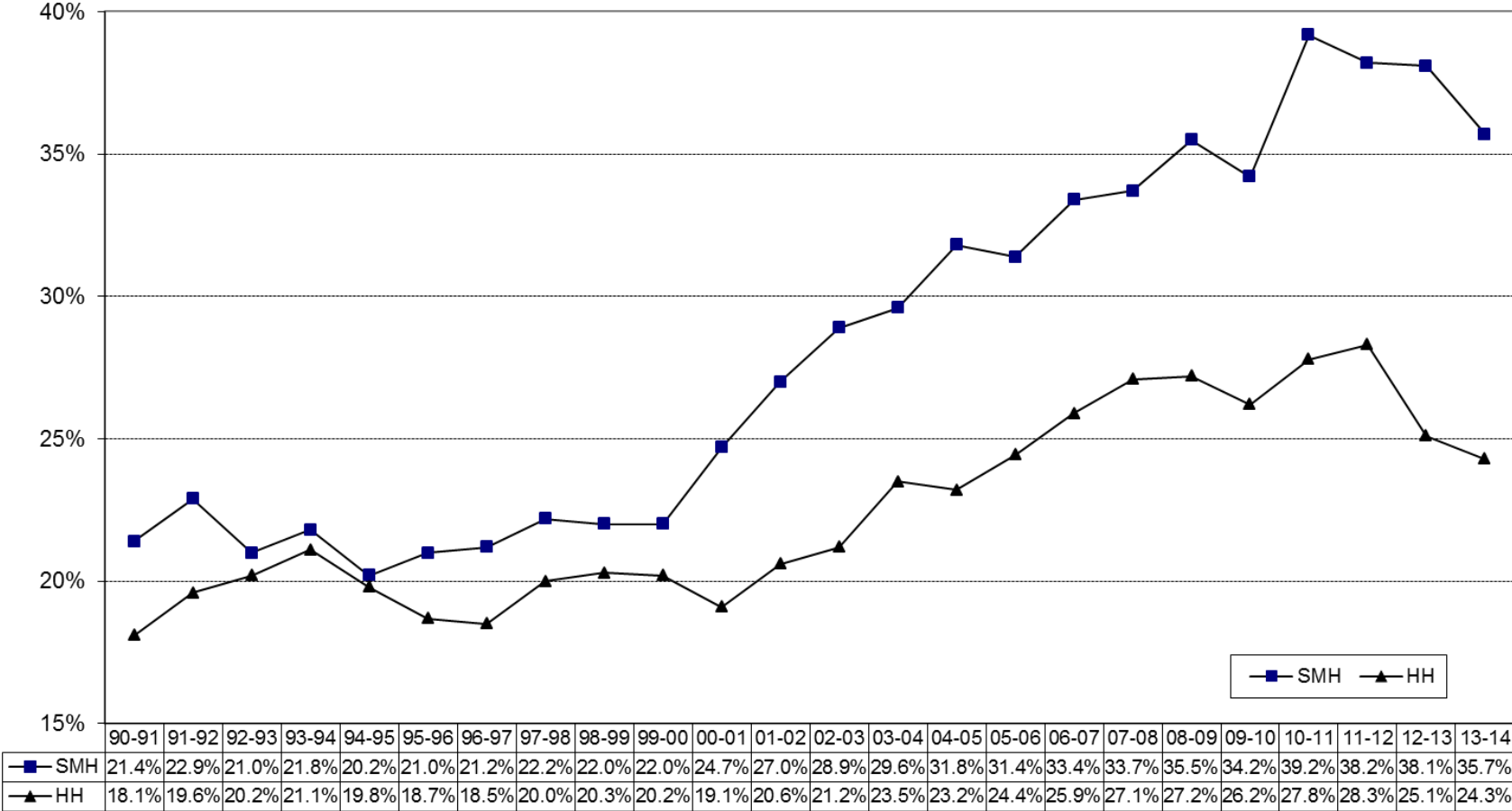
DEPARTMENTAL STATISTICS

University of Rochester

Department of Obstetrics and Gynecology

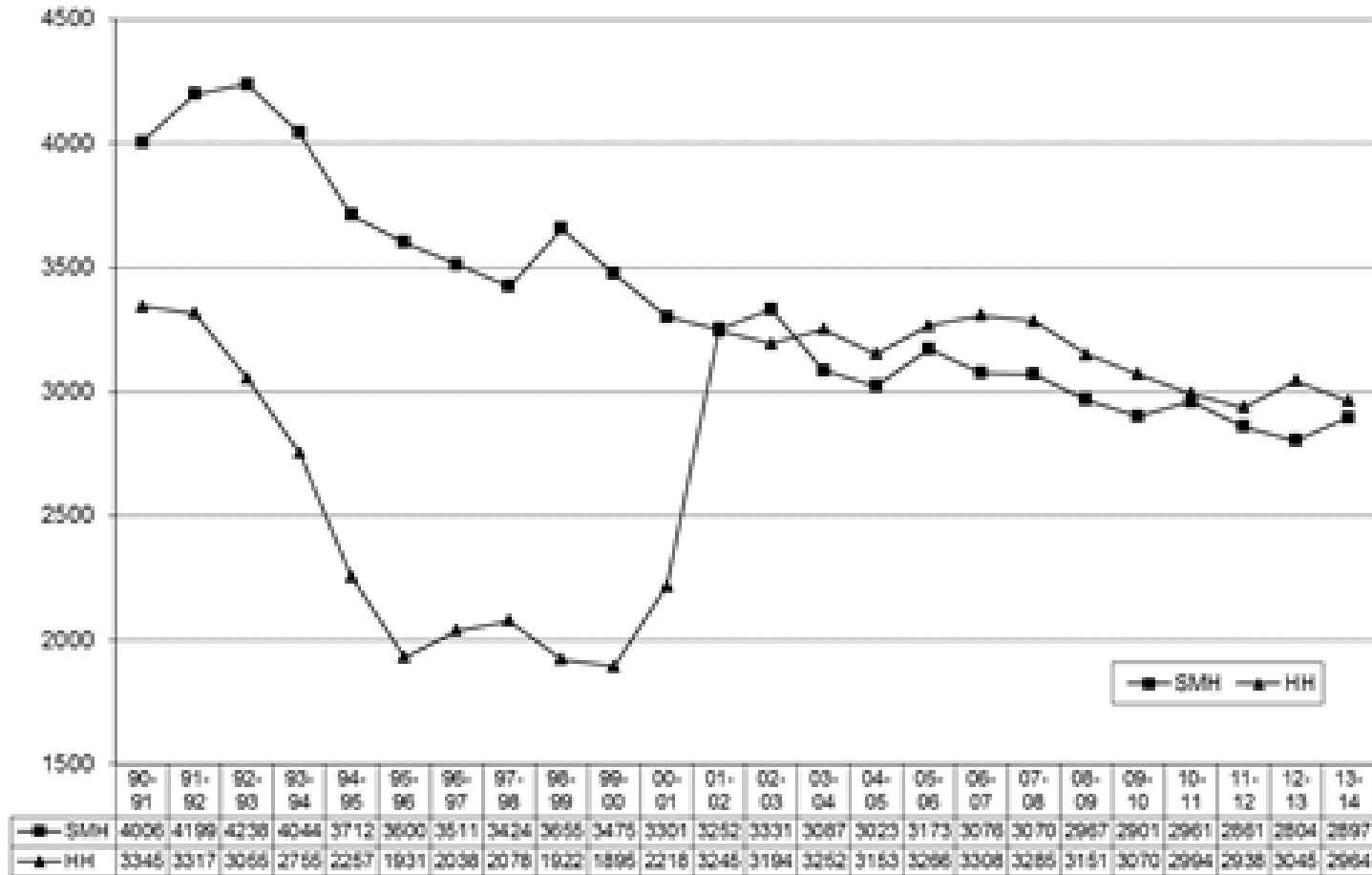
July 1, 2013 - June 30, 2014

Cesarean Section Rates



Fiscal Year (July - June)

Number of Deliveries



Fiscal Year (July - June)

Note: Deliveries = # of mothers

PERINATAL ULTRASOUND

PROCEDURES	LATTIMORE	RED CREEK	3-1406	TOTALS
OBSTETRICAL	5830	4095	996	10921
GYNECOLOGIC	1401	675	144	2220
GENETIC-TAP	24	37	21	82
MATURE L/S-TAP	14	1	9	24
NT	555	433	0	988
BIOPHYSICAL PROFILE	242	155	284	681
FETAL ECHO	67	35	2	104
FETAL ECHO DOPPLER	74	41	2	117
DOPPLER (UMB ARTERY)	347	223	266	836
DOPPLER (MCA)	164	104	150	418
DOPPLER (GYN)	16	17	21	54
MULTIPLE GESTATION	218	301	11	530
CVS	48	2	2	52
PUBS	0	0	15	15
U/S GUIDANCE	85	41	89	215
INVASIVE PROCEDURE	6	1	26	33
RH ADMINISTRATION	5	3	0	8
SONOHYSTEROGRAM	35	37	0	72
3D	224	101	8	333
TRANSVAGINAL OB	1752	1190	174	3116
TRANSVAGINAL GYN	1286	553	55	1894
DAILY BILLABLE PROC	12393	8045	2275	22713
DAILY IN/OUT PATIENT	7231	4770	1140	13141
NO SHOW	1222	158	X	1380
CANCELLED	203	291	X	494
RESCHEDULED	226	44	X	270
DELIVERED	30	20	X	50
ON CALL	5	0	X	5

**CLINICAL SUBSPECIALTY
DIVISIONS**

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2013 - June 30, 2014

GENERAL GYNECOLOGY AND OBSTETRICS



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

The Division also includes: Amy Benjamin MD, Sarah Betstadt MD, MPH, Jorge Carrillo MD, Constantino Fernandez MD, David Foster MD, MPH, Sheila Geen, CNM, MSN, Amy Harrington MD, Diane Hartmann MD, Fred Howard MD, Katrina Nicandri MD and Ellen Tourtelot 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, Anthony Jordan Health Center, Red Creek 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 Red Creek, Women's Health Practice, and AJHC. The division members provide preceptorships for all the resident continuity clinics at Strong Women's Health Practice. The year consisted of many positive changes including working closely with the Maternal Fetal Medicine group and Women's Health Practice, providing consistent coverage for resident continuity clinics and establishing a financially viable, successful general ob/gyn practice.

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. Together with Dr. Foster, she has developed a busy regional referral practice for these conditions. She also provides general obstetric and gynecologic care to a wide variety of patients with a particular interest in care of the midlife woman. Adrienne precepts the residents colposcopy clinic and supervises staff surgeries with the residents.

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

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

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

Amy Harrington MD is a recent addition to the division, coming to us from private practice in VA. She received her medical degree from Stony Brook University and did her residency at the University of Virginia. Her particular area of interest is family planning, and with Dr. Betstadt, she has developed a large regional referral center for these services. She has also started a complex contraception clinic designed to act as a referral center for patients with contraceptive complications as well as complex medical conditions which make 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 is the Associate Chair of Academic Affairs for the department of obstetrics and gynecology and is active in the administration of the residency program. His clinical practice is a large regional referral center for pelvic pain and advanced minimally invasive surgery. He instituted the department's minimally invasive surgery fellowship which remains extremely successful today.

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

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.

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

EDUCATION

The Division is committed to excellence in education. The Division has leadership and teaching roles related to residency and medical student education. Dr. 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. 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. We would like to expand our research focus to areas that test quality measures to improve clinical care. 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 have recruited several new division members who will start working with us within the next year and continue to work toward developing a fellowship in family planning. Having recently outgrown our offices at the Red Creek Site, we are beginning construction on new offices for our specialty practices within the Lattimore Women's Health building. We are actively encouraging each member of the division to continue to develop in his or her own particular area of interest in order to better serve the community as well as to make the University of Rochester truly a center of excellence in these fields.

GYNECOLOGIC ONCOLOGY



Brent DuBeshter, M.D.
Professor and Division Director

The Division of Gynecologic Oncology faculty also includes: Cynthia L. Angel, M.D., Sajeena Thomas, M.D. and Jennifer Englert, FNP-C, RNFA

PATIENT CARE

Providing optimal care for women with gynecologic cancer has been and is still the main focus of the division. We continue to enjoy gold seal certification by the joint commission, in recognition of the care we provide for patients with endometrial and ovarian cancer. The Palliative Care service at Highland has been more fully integrated into the care of our patients, both those facing end of life issues as well as those whose treatment options warrant this type of counseling.

Our division continues to be a leader in the use of minimally invasive robotic treatment of women with gynecologic cancers and a leading provider in New York State. Highland Hospital has the highest volume of robotic hysterectomies in NYS, and our division continues to lead the state in the use of robotics for management of gynecologic cancers.

In the community the division has continued its involvement with the ongoing activities of Cancer Wellness Connections, a local organization devoted to improving the experience of women and children undergoing chemotherapy. As part of gynecologic awareness month, members of the division participated in the Annual Ovarian Cancer 5k. This year the event attracted over 1200 entrants, and continues to enjoy wide ranging support, with many local institutional and corporate sponsors.

EDUCATIONAL ACTIVITIES

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

RESEARCH

Several research projects are ongoing this year. A multidisciplinary project evaluating the role of cell adhesion molecules in a variety of gynecologic malignancies is ongoing. In addition, a drug company sponsored evaluation of a new serum marker for ovarian cancer is in its incipient stages. A new study evaluating the risk of uterine morcellation has also been initiated.

FUTURE PLANS

Minimally invasive techniques utilizing the dual console daVinci system have become an essential part of the resident's experience. Weekly Tumor Conferences will be continued. A survivorship program is in the planning stages, which will further enhance the care our patients receive.

GYNECOLOGIC ONCOLOGY CLINICAL VOLUME

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

MATERNAL-FETAL MEDICINE



Eva K. Pressman, M.D.

Henry A. Thiede Professor and Chair, Director of Obstetrics and of Maternal-Fetal Medicine Division

The Division of Maternal-Fetal Medicine faculty also includes: Stephan J. Bacak, D.O., M.P.H. (Fellow), Dzhamala Gilmandyar, M.D. (Fellow until 6/30/13), J. Christopher Glantz, M.D. (Director, Inpatient Obstetrics and the Regional Perinatal Database), Lisa M. Gray, M.D. (Fellow), Monique Ho, M.D. (Director of Reproductive Genetics until 7/31/13), Erin Lemcke (Supervisor, OB/GYN Ultrasound), Courtney Olson-Chen, M.D. (Fellow effective 7/1/14), Tulin Ozcan (Director of OB/GYN Ultrasound and Special Care Clinic), M.D., Ruth Anne Queenan, M.D. (Chief of Obstetrics and Gynecology at Highland Hospital), Neil S. Seligman, M.D., David E. Seubert, M.D., J.D., Lorelei L. Thornburg, M.D., and Paula E. Zozzaro-Smith, D.O. (Fellow through 6/30/14; Faculty effective 7/1/14). The Reproductive

Genetics Service includes: Laura Martin, Stephanie Laniewski, and C. Jeanne Peterson.

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

There have been several transitions within the Division of Maternal Fetal Medicine in 2013-2014. Dr. Eva Pressman became the Henry A. Thiede Professor and Chair of Obstetrics and Gynecology in September 2013. Dr. Lorelei Thornburg became the Director of the Maternal Fetal Medicine Fellowship in January 2014. Dr. Neil Seligman became the Acting Director of Reproductive Genetics in September 2013. In July 2013 Dr. Stephen Bacak became the 28th Todd Maternal Fetal Medicine fellow since the fellowship was established in 1975. Dr. Monique Ho left our institution to join the faculty of the University of Florida in August 2013. Dr. Paula Zozzaro-Smith completed her Maternal Fetal Medicine fellowship in June 2014 and joined our faculty as an Assistant Professor.

PATIENT CARE

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

Outpatient services are provided at The Women's Health Pavilion at 125 Lattimore Road and The Women's Health Pavilion at 500 Red Creek Drive. The Special Care Clinic, which offers high-risk obstetric care at the Lattimore Road site, continues to serve the Rochester community. Staffed by residents, nurse practitioners, social workers and nutritionists, and supervised by the MFM faculty, the Special Care Clinic provides comprehensive services for many of the most complicated obstetric patients.

The Special Care Clinic continues to thrive with over 1700 office visits and nearly 200 deliveries in 2013-2014. In addition, the specialized Diabetes in Pregnancy Clinic which started last year had over 500 visits this year. The Strong Perinatal Associates practice based at Red Creek Drive is a referral only practice for complicated pregnancies. With over 2500 office visits and 200 deliveries, this practice continues to serve as an important referral center for the area.

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

OB/Gyn ultrasound services are provided at Lattimore Road, Highland Hospital, Rochester General Hospital and our facility at Red Creek Drive. Beginning in July 2010 with the appointment of Dr. Ruth Anne Queenan as the Chief of OB/Gyn at Highland Hospital, the involvement of the MFM Division at Highland has significantly increased, with our faculty providing on site consultations, NST's, ultrasounds and procedures 2 days per week. The volume of patients seen for OB/Gyn ultrasound at all sites remains high, with almost 25,000 studies performed between July 2013 and June 2014.

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 nearly 200 consultations have been completed.

Reproductive Genetics continues to provide genetic counseling to patients throughout the region with nearly 1,400 prenatal and pre-pregnancy patients seen during the past year. With the introduction of noninvasive testing options in pregnancy, the counseling services are more needed than ever. The number of invasive diagnostic continues to decline with the availability of non-invasive testing, with only 109 amniocenteses and 51 chorionic villus sampling procedures performed both about 30% lower than last year.

EDUCATION

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

RESEARCH

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

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

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

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

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

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

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

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

Methicillin Resistant Staphylococcus aureus Colonization in a Neonatal Intensive Care Unit: Maternal and Infant Characteristics. Investigators: Lorelei Thornburg, Paula Zozzaro-Smith. Funding - MFM Division

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

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

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

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

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

The Infant Development and the Environmental Study (TIDES)

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

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

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

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

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

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

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

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

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

Dubeshter B, Angel C, Toy E, Thomas S, Glantz JC. Current Role of Robotic Hysterectomy. *J Gynecol Surg.* 2013 Aug;29(4):174-178.

Kominiarek MA, Seligman NS, Dolin C, Gao W, Berghella V, Hoffman M, Hibbard JU. Gestational weight gain and obesity: is 20 pounds too much? *Am J Obstet Gynecol.* 2013 Sep;209(3):214.e1-11.

Dadiz R, Weinschreider J, Schriefer J, Arnold C, Greves CD, Crosby EC, Wang H, Pressman EK, Guillet R. Interdisciplinary simulation-based training to improve delivery room communication. *Simul Healthc.* 2013 Oct;8(5):279-91.

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

Hackney DN, Khalek N, Moldenhauer J, Ozcan T. Twin-twin transfusion syndrome presenting as polyhydramnios in both fetuses secondary to spontaneous microseptostomy. *AJP Rep.* 2013 Oct;3(2):83-6.

Özlu T, Ozcan T. Fetal isolated short femur in the second trimester and adverse pregnancy outcomes. *Prenat Diagn.* 2013 Nov;33(11):1063-9.

Thomas SG, Sato HR, Glantz JC, Doyle PJ, Buchsbaum GM. Prevalence of symptomatic pelvic floor disorders among gynecologic oncology patients. *Obstet Gynecol.* 2013 Nov;122(5):976-80.

Ozcan T, Özlu T, Allen J, Peterson J, Pressman EK. Predictive role of prenatal thickness and nasal bone for Down syndrome in the second trimester. *Eur J Obstet Gynecol Reprod Biol.* 2013 Dec;171(2):220-4.

O'Connor TG, Tang W, Gilchrist MA, Moynihan JA, Pressman EK, Blackmore ER. Diurnal cortisol patterns and psychiatric symptoms in pregnancy: short-term longitudinal study. *Biol Psychol.* 2014 Feb;96:35-41.

Glantz JC. Elective induction of labor at term compared with expectant management: maternal and neonatal outcomes. *Obstet Gynecol.* 2014 Feb;123(2 Pt 1):363.

O'Brien KO, Li S, Cao C, Kent T, Young BV, Queenan RA, Pressman EK, Cooper EM. Placental CYP27B1 and CYP24A1 expression in human placental tissue and their association with maternal and neonatal calcitropic hormones. *J Clin Endocrinol Metab.* 2014 Apr;99(4):1348-56.

Cuckle H, Platt LD, Thornburg LL, Bromley B, Fuchs K, Abuhamad A, Benacerraf B, Copel JA, Depp R, D'Alton M, Goldberg J, Okeeffe D, Spitz J, Toland G, Wapner R; the Nuchal Translucency Quality Review Program of the Perinatal Quality Foundation. Nuchal Translucency Quality Review (NTQR) Program: First One and Half Million Results. *Ultrasound Obstet Gynecol.* 2014 Apr 21.

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

Schwartzburg CJ, Gilmandyar D, Thornburg LL, Hackney DN. Pregnancy outcomes of women with failure to retain rubella immunity. *J Matern Fetal Neonatal Med.* 2014 Dec;27(18):1845-8. Epub 2014 Apr 9.

Hutchinson K, Song K, Hammes S, Thornburg L, Ozcan T, Moalem J, Hou R. Visual vignette. *Endocr Pract.* 2014 Apr 1;20(4):378.

Kurtzman JH, Wasserman EB, Suter BJ, Glantz JC, Dozier AM. Measuring adequacy of prenatal care: does missing visit information matter? *Birth.* 2014 Sep;41(3):254-61. Epub 2014 Apr 21.

Barrett ES, Sathyanarayana S, Janssen S, Redmon JB, Nguyen RH, Kobrosly R, Swan SH; TIDES Study Team. Environmental health attitudes and behaviors: findings from a large pregnancy cohort study. *Eur J Obstet Gynecol Reprod Biol.* 2014 May;176:119-25.

Zozzaro-Smith P, Bacak S, Park J, Spall M, Glantz JC, Thornburg LL. Association between obesity during pregnancy and the use of prenatal services. *Obstet Gynecol.* 2014 May;123 Suppl 1:80S.

Pizzi LT, Seligman NS, Baxter JK, Jutkowitz E, Berghella V. Cost and cost effectiveness of vaginal progesterone gel in reducing preterm birth: an economic analysis of the PREGNANT trial. *Pharmacoeconomics.* 2014 May;32(5):467-78.

FUTURE PLANS

Many exciting changes are planned for the upcoming year. Recruitment for a new Maternal Fetal Medicine Division Director is underway. Dr. Dzhamala Gilmandyar, one of our former fellows, will join the faculty in May 2015 and Dr. Courtney Olson-Chen starts her Maternal Fetal Medicine Fellowship in July 2014. As a division, we continue to support our faculty, fellows and staff in the provision of excellent patient care, advancement of our subspecialty and education of our future providers.

MIDWIFERY DIVISION AND ROCHESTER ADOLESCENT MATERNITY PROGRAM



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

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

Clerical Staff: Barbara Williams, Front Office Coordinator (Faculty Practice); Bridget Hyde, Practice Manager (Highland Women's Health @ Culver Rd.), Clarissa Breedlove, LaKeisha Clark, Cassandra Smith, Megan Scott, Felicia McAllister, Ingrid Brumfield

Nursing Staff:

Margaret Militello, RN, Joanne Doran-Hills RN, Jean Farruggia LPN, Edna Brinson, Sue Demming, LPN, Chris Nice, RN, Cindy Schutt RN, Kelly Callahan, RN, Julia Glantz, RN

Social Work Staff:

Audry Gropp, SW, Karen Rabish, SW, Dana Bowen, financial counselor.

RAMP Staff:

Betsy Crumb, dietician.

The Midwifery Division recently underwent many staff changes. These are summarized below.

DEPARTURES AND ARRIVALS:

Beth Cooper, CNM stepped down as Director of the Midwifery Division on July 1 2013. She has been continuing to work clinically, and will be retiring as of October 31, 2014. She has achieved Professor Emeritus status, and will continue contribution to teaching and research.

Michele Burtner, CNM has accepted to role of Director of the Midwifery Division as of September 2014, after serving as Interim Director from 7/1/13-9/1/14.

Sarah Ludlow, CNM moved to Brooklyn in September 2013 after she was married to Mark Jensen.

Tammy Farnham, CNM joined the faculty of the SUNY Brockport School of Nursing full-time in September 2013, reducing her time to per diem in the midwifery clinical practice.

Jenney Stringer, CNM joined the Midwifery practice full time in October 2013. She is a 2013 graduate of the OHSU Midwifery program in Portland, OR. She is originally from Syracuse, NY and was recently married.

Jennifer Banda, CNM joined the Midwifery practice full time in May 2014. She is a 2013 graduate of the Midwifery program at Seattle University. She is married and has a young son, and has served our country in the Marine Corps.

Jacque Nasso CNM reduced her time to one afternoon/week at the Young Mothers program, the remainder of her time spent at Community OB-Gyn and the UR School of Nursing.

AMBULATORY CARE

Highland Hospital assumed Operations of the Culver Rd. site, and the practice was moved into a renovated warehouse at 909 Culver Rd alongside Community OB/GYN in October 2014. Staff at that location is shared between the two practices.

Midwifery patients were seen at both the Culver Road office and the Henrietta office on Red Creek Drive during the year. The Midwifery Faculty practice was expanded with more providers at the Red Creek location, along with seeing patients 2 days/week at 125 Lattimore Rd. The plan is for more permanent space to be acquired for the Midwife Faculty practice to see patients 5 days/week at one site, while continuing to see patients at the Highland Women's Health site and RAMP at 909 Culver Rd.

The Prenatal Care at School Program (group care) continued in 2013-2014. Jacquie Nasso, CNM was the primary provider and liaison with the City School district.

Midwifery is part of the community-wide initiative this year 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 will therefore be expanded to routine patients with this initiative.

This year the Midwifery practice completed 12,855 outpatient visits at all sites, combined.

INPATIENT CARE AND CLINICAL OUTCOMES

The practice completed 20 years of continuous care to RAMP and Midwifery patients in 2012. The data for birth outcomes over a 21 year period is presented below.

URMC MIDWIFERY DIVISION DELIVERY STATISTICS 1992- 2013 *					
	<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
TOTAL	7740	371	1172	9283	12.1

EDUCATION

The midwives continued to cover for resident teaching at Strong and Highland once a week, as well as for CREOG exams and resident's week activities. All midwives provide clinical teaching in labor and delivery of 3rd year medical students, Ob-Gyn, ED and FM residents. In 2013-2014, the interns rotated on the midwifery service for one week, both in the office and in the hospital. Unfortunately, the intern schedules do not allow for this in 2014-2015.

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

Midwifery students from two distant learning programs rotated through our practice in 2013-2014. Beth Toly-Hughes (Philadelphia) completed her program in May 2014, and Amanda Acomb-Halpenny (Frontier) completed her program in August 2014. Additional midwifery students are expected in 2014-15.

The midwives also precept Family Nurse Practitioner students from UR and St John Fisher. Undergraduate nursing students from Brockport occasionally spend time in the office as well.

RESEARCH AND PRESENTATIONS

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

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

1. Absorption of Iron from Heme and Non-Heme Sources and Mechanisms of Fetal Iron Transfer (RSRB 18180) PI: Eva Pressman
2. Impact of Maternal Anemia on Neonatal Iron Status, Placental Iron Transport and Functional Outcome Among Pregnant Adolescents. (RSRB 24804) Co-PI: Ronnie Guilette and Kimberly O'Brien (Auditory Brainstem Response)
3. Vitamin D and Infection in Pregnancy. Co-PI: Eva Pressman, Beth Cooper, Ruth Anne Queenan, & Kimberly O'Brien

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

HOSPITAL, MEDICAL CENTER, AND COMMUNITY COMMITTEES

Michele Burtner	Division Director Scheduling Coordinator HH Breastfeeding Committee
Elizabeth Cooper	Chair, State Board of Midwifery Highland Medical Executive Committee SMH/HH Credentialing and Privileging Committee
Pam Jurich-Wright	Colposcopy
Heather Lane	Education/ Student Coordinator HH FMC Clinical Quality Committee
Jacqueline Nasso	Coordinator, Young Mother's Prenatal Care Program Board of Directors, Monroe County March of Dimes Center for Community Health Faculty Group and Worksites Wellness Committee Metro Council for Teen Potential (MCTP) eRecord SME and Super User
Rebecca Skovgaard	Division Statistician Perifax Editorial Board
Jenney Stringer	Centering Coordinator
Helene Thompson-Scott	Division Colposcopy Coordinator RAMP Coordinator FMC Team Builders
Jo Wrona	HH Perinatal Peer Review Committee

REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY



Kathleen M. Hoeger, M.D., M.P.H.
Division Director and Director, Strong Fertility Center
Professor of Obstetrics and Gynecology

The Faculty of the Division of Reproductive Endocrinology and Infertility also includes: Rajesh Srivastava, PhD, (Laboratory Director, Andrology and IVF Program); John T. Queenan, Jr., MD (IVF Medical Director); Vivian Lewis, MD; Wendy Vitek, MD (Director Fertility Preservation), Bala Bhagavath MD (Director Minimally Invasive Surgical Fellowship and Director of URMF Fibroid Center)

OVERALL

In 2013-2014, the Strong Fertility Center continued to expand our clinical offerings and focus on the clinical service. The division saw a total of 791 new patients, a 6.6% increase. Our ultrasound program performed close to 7500 studies, 4 % increase from the last fiscal year. 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. Dr. Bhagavath has begun the integrated Fibroid Center together with Imaging Sciences and they are actively growing with more than 40 new consultations and surgeries/intervention procedures. We have active research programs continuing in PCOS and added research in the environment and reproduction, as well as fertility preservation and uterine myomas. The Reproductive Endocrine division continues to be actively involved in the OB/GYN residency, medical endocrine fellowship and medical student educational curriculums and clinical rotations. We have established regular outreach activities to the local OB/GYN and primary care practices and look forward to continued growth in both the clinical and research arms of the division as we continue to expand our services in the community.

PATIENT CARE

Our IVF program continues to improve its clinical offerings. We received a renewed grant for participation in the New York State Infertility Demonstration Project and added lower cost package pricing to our IVF program to make this more affordable. We continue to look for options that improve access and affordability of IVF for couples who need our services.

We continue to offer preimplantation genetic diagnosis and screening for couples with a single gene defects and comprehensive chromosomal screening for couples with recurrent aneuploidy or other indications for chromosomal screening. We continue our affiliation with My Egg Bank in Atlanta, the largest frozen oocyte bank in the US and look to expand our donor oocyte options. Our ongoing 2013 IVF pregnancy rates are shown in Figure 1. We added a new technician, Amonjot Grewal to our

embryology team. We expanded our IVF program in fertility preservation offering counseling and IVF therapies for young patients facing cancer, with our outreach efforts has connected with all the local cancer centers to allow information on fertility preservation to be included in patients initial consultations for cancer therapy. Dr. Srivastava has successfully initiated an oocyte cryopreservation program that supports this clinical service. Our preservation program, CARE (Childbearing After REcovery) after cancer, successfully held our fifth fundraiser in March. The party and silent auction benefit raised more than \$14,000 in money for patient care for those needing fertility services.

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

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

With the addition of Drs. Vitek and Bhagavath we continue to expand the first robotic surgery program in the area focused on fertility surgery. These surgeries include fertility preserving myomectomies and tubal ligation reversals. Dr. Bhagavath is also active in the national arena for reproductive surgery. Nationally he is involved in the American Association of Gynecologic Laparoscopy (AAGL) leadership and is the editor of the Society for Reproductive Surgeons newsletter.

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

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

EDUCATION

The Reproductive Endocrine division continues to participate actively in resident and medical student education. Residents in their second year complete a 2 week rotation in REI. The second year residents also presented a lecture to REI faculty and staff on a selected topic of interest in Reproductive Endocrinology at the conclusion of their rotation which they also presented to their fellow residents. Residents participate fully in the clinical practice meeting patients in consultation, performing US and HSGs and operations with REI faculty. 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.

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

RESEARCH

Our research activities and publications continue to grow. Dr. Hoeger's research area of interest is in the metabolic and reproductive consequences of PCOS. She has a collaboration with Cornell focused on the correlation between ultrasound findings and metabolic status in PCOS. Dr. Hoeger continues to serve as an advisor on the NIEHS/NIH BIRCWH K12 training program devoted to reproductive health and the environment in women (**W**omen's **H**health and the **E**nvironment across the **E**ntire **L**ifespan) which has successfully recruited 2 scholars whose work includes PCOS and osteoporosis studies. Dr. Emily Barrett is a scholar in WHEEL and has obtained funding for the study of the impact of phthalates on ovarian function. Dr. Hoeger also was a member of the National Guidelines Committee on PCOS and was instrumental in the development of these guidelines that were published this year.

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

Drs. Vitek, Bhagavath and Srivastava have active development of research programs and have all received MaeStone Goode foundation funding to assist in these efforts. Dr. Vitek is exploring the impact of tissue thickness on the viability of ovarian tissue in cryopreservation. Dr. Srivastava is exploring the impact of environmental exposures on granulosa cells. Dr. Bhagavath is collaborating with Dr. Hammes in medical endocrinology on a mouse model of uterine fibroids. He is also the principal investigator on a Hologic study on menorrhagia.

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

NATIONAL/INTERNATIONAL PRESENTATIONS BY REI FACULTY

Dr. Hoeger

1. ASRM Annual Meeting "Lifestyle Factors and Reproductive Health: What Matters?" Boston, MA, October 2013 - 10/2013

2. 5th Peacocks Symposium "Are women with PCOS predisposed to obesity?" Debate. Sabran, France - 9/2013

Dr. Queenan

1. "Ovulation Induction"; "Prevention and Management of Complications in Laparoscopic and Hysteroscopic Surgery"; "Ectopic Pregnancy"; Evaluation and Management of Hirsutism and PCOS" 21st Annual Review of Obstetrics and Gynecology, Lake Buena Vista, Fla. October 16-18, 2013.
2. "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, Boston, MA. October 12, 2013.
3. "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 23-25, 2013.

Dr. Lewis

1. Lewis V, Martina CA, McDermott M, Morse, GD, Goodman S. mentoring interventions: impact on career development. Annual meeting: Society of Clinical Translational Science. Washington DC, April 2014
2. Lewis V, Jeffe DB, Andriole DA, McGee R. Evidence-based Approaches to Promoting Diversity in the Academic Medicine Workforce. Association of American Medical Colleges annual meeting. Philadelphia. November 2013
3. Lewis V, Trief P. Speed mentoring. Institute on teaching and mentoring annual conference. Arlington Virginia, October 2013
4. Lewis V. Mentors, medicine and metrics. Presentation for The Dynamics of Change Panel. Harvard College 40th reunion. October 2013.
5. Lewis V, Protégés and mentors- are they on the same page?- National Institute of General Medical Studies- Interventions to Increase Diversity in Biomedical Research- annual meeting. San Diego CA, August 2013

Dr. Bhagavath

1. Debate: Argued in favor of Robotic Surgery in Benign Gynecology at the joint American Society of Reproductive Medicine/International Federation of Fertility Societies' international meeting in Boston, October 15, 2013 - 10/15/2013

Dr. Vitek

1. Pediatric grand rounds, Fertility preservation: hope for the future. Women and Children's Hospital of Buffalo (1 hour)-2014
2. W. Vitek, K. Hoeger, Y. Han, S. Messing, M. Shayne, C. Fung. Systematic review and meta-analysis of GnRH agonist for preservation of ovarian function in women with hormone receptor negative breast cancer after chemotherapy. 69th annual meeting, American Society for Reproductive Medicine. Boston, MA. - 2013
3. New York State Association of County Corners and Medical Examiners Fall Conference, Posthumous sperm aspiration and reproduction, RIT Inn and Conference Center - 2013

PUBLICATIONS

Dr. Hoeger

1. Bazarian JJ, Hoeger KM, Wasserman E, Wunderle K. "Menstrual Phase as Predictor of Outcome After Mild Traumatic Brain Injury in Women." *The Journal of head trauma rehabilitation*. 2013 Nov 20. Epub 2013 Nov 20.
2. Hoeger KM, Legro RS, Welt CK. "A patient's guide: polycystic ovary syndrome (PCOS)." *The Journal of clinical endocrinology and metabolism*. 2014 Jan; 99(1): 35A-36A.
3. Hoeger KM. "Developmental origins and future fate in PCOS." *Seminars in reproductive medicine*. 2014 May; 32(3): 157. Epub 2014 Apr 8.
4. Hoeger KM, Vitek W. "Treatment of polycystic ovary syndrome in adolescence." *Seminars in reproductive medicine*. 2014 May; 32(3): 214-21. Epub 2014 Apr 8.
5. Bhagavath B, Vitek W, Queenan J, Hoeger K. Metformin and other insulin sensitizers in polycystic ovary syndrome. *Semin Reprod Med*. 2014 Jul;32(4):323-30. doi: 10.1055/s-0034-1375186. Epub 2014 Jun 11.
6. Legro RS, Arslanian SA, Ehrmann DA, Hoeger KM, Murad MH, Pasquali R, Welt CK; Endocrine Society. [Diagnosis and treatment of polycystic ovary syndrome: an Endocrine Society clinical practice guideline](#). *J Clin Endocrinol Metab*. 2013 Dec;98(12):4565-92. doi: 10.1210/jc.2013-2350. Epub 2013 Oct 22.
7. Domecq JP, Prutsky G, Mullan RJ, Hazem A, Sundaresh V, Elamin MB, Phung OJ, Wang A, Hoeger K, Pasquali R, Erwin P, Bodde A, Montori VM, Murad MH. [Lifestyle modification programs in polycystic ovary syndrome: systematic review and meta-analysis](#). *J Clin Endocrinol Metab*. 2013 Dec;98(12):4655-63. doi: 10.1210/jc.2013-2385. Epub 2013 Oct 3.

Dr. Queenan

1. ICD-9-CM Abridged: 2013 Diagnostic Coding in Obstetrics and Gynecology. American Congress of Obstetrics and Gynecology, Washington, DC 2013
2. 2013 Ob/Gyn Coding Manual: Components of Correct Procedural Coding. American Congress of Obstetrics and Gynecology, Washington, DC 2013
3. Bhagavath B, Vitek W, Queenan J, Hoeger K. Metformin and other insulin sensitizers in polycystic ovary syndrome. *Semin Reprod Med*. 2014 Jul;32(4):323-30. doi: 10.1055/s-0034-1375186. Epub 2014 Jun 11.

Dr. Lewis

1. Martina CA, Mutrie A, Ward D, Lewis V: A sustainable coursing research mentoring. *Clinical Translational Sciences*. In press.

Dr. Bhagavath

1. Albright CM, Bhagavath B, Frishman GN. "Surgical aspects of removal of Essure microinsert." *Contraception*. 2013 Sep; 88(3): 334-6. Epub 2013 Jan 3.
2. Alur, S; Bhagavath, B; Nicandri, K. "Longitudinal Vaginal Septa With Associated Uterine Anomalies: A Case Series". *Female Pelvic Medicine & Reconstructive Surgery*. 2014.
3. Bhagavath B, Vitek W, Queenan J, Hoeger K. Metformin and other insulin sensitizers in polycystic ovary syndrome. *Semin Reprod Med*. 2014 Jul;32(4):323-30. doi: 10.1055/s-0034-1375186. Epub 2014 Jun 11.

Dr. Vitek

1. Bhagavath B, Vitek W, Queenan J, Hoeger K. Metformin and other insulin sensitizers in polycystic ovary syndrome. *Semin Reprod Med.* 2014;32:323-30.
2. Vitek W, Hoeger KM. Treatment of polycystic ovary syndrome in adolescence. *Semin Reprod Med* 2014;32:214-21.
3. Moniz MH, Vitek WS, Akers A, Meyn LA, Beigi RH. Preceptions and acceptance of immunization during pregnancy. *J Reprod Med* 2013;58(9-10):383-8.
4. Vitek WS, Galárraga O, Klatsky PC, Robins JC, Carson SA, Blazar AS. Management of the first in vitro fertilization cycle for unexplained infertility: a cost-effectiveness analysis of split in vitro fertilization-intracytoplasmic sperm injection. *Fertil Steril* 2013;100:1381-8.
5. Vitek WS, Witmyer J, Carson SA, Robins JC. Estrogen-suppressed in vitro maturation: a novel approach to in vitro maturation. *Fertil Steril.* 2013;99:1886-90.
6. Bhagavath B, Vitek W, Queenan J, Hoeger K. Metformin and other insulin sensitizers in polycystic ovary syndrome. *Semin Reprod Med.* 2014 Jul;32(4):323-30. doi: 10.1055/s-0034-1375186. Epub 2014 Jun 11.

FUTURE PLANS

We are anticipating continued growth in our clinical offerings this year while we expand the robotics surgery offerings with the addition of Drs. Vitek and Bhagavath and focus our efforts on continued IVF growth. We look to expand our fertility preservation with vitrification options. Dr. Bhagavath will continue to grow and develop the Fibroid Center. Dr. Srivastava has established a new Andrology Laboratory in the Department of Pathology and acting as its off-site laboratory Director. We have incorporated the ASRM clinical modules to improve resident knowledge base in REI. Our research program will expand to explore as we look forward to joining the Reproductive Medicine Network as an affiliate site to participate in large clinical trials in fertility treatments.

Figure 1. IVF pregnancy rates per transfer 2013

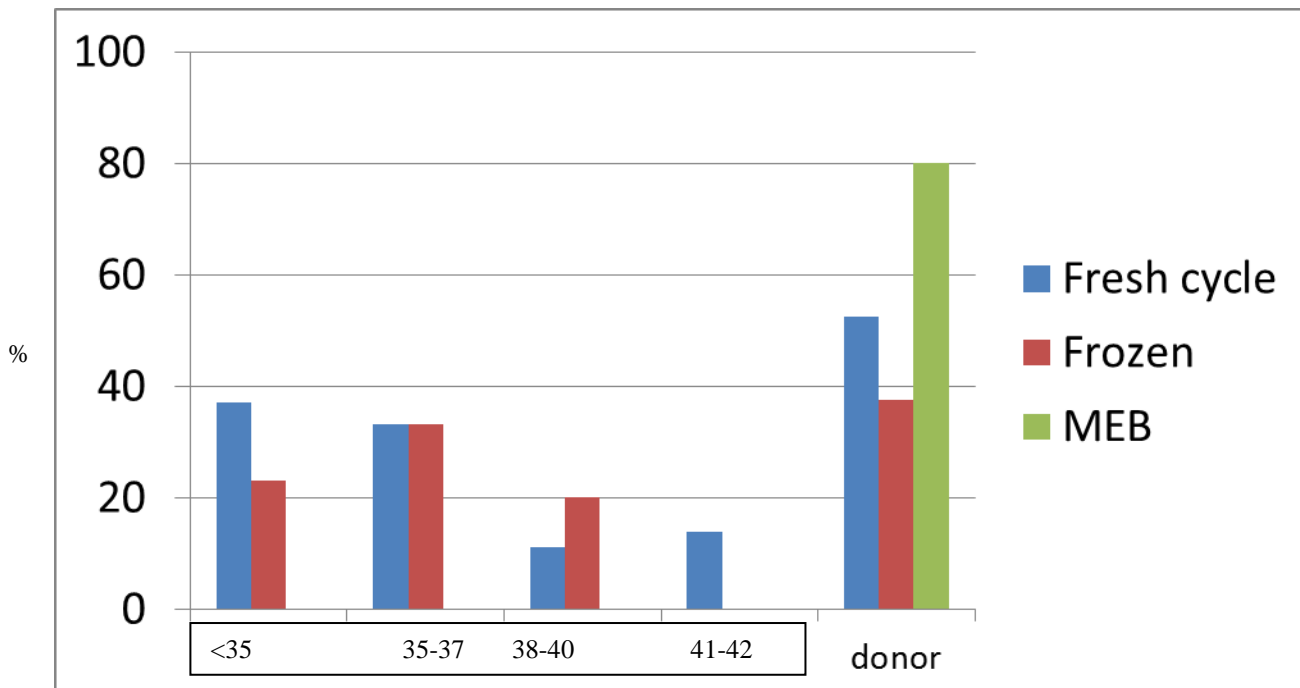


Table 1: Ovulation induction cycles (no IUI)2013

	CC only	Gonadotropins
Total cycles	112	38
Ongoing pregnancies	16	7
Percent ongoing pregnancy	14.2%	18.4%

Table 2. Ovulation with IUI 2013

	No med	CC only	CC/HCG	Letrozole	Gonadotropin: FSH with Antagonist	
Total cycles	68	24	332	92	278	32
Ongoing Pregnancies	3	1	23	11	31	4
% ongoing	4.4%	4.1%	6.9%	11.9	11.1%	12.5%

Table 3: Donor Sperm IUI 2013

	No meds	CC only	CC/HCG	Letrozole	Gonadotropins
Total cycles	56	32	67	2	36
Ongoing pregnancies	9	6	4	1	3
Percent pregnancy	16.1%	18.7	5.9%	1/2	8.3%

Table 4: Age and Fertility treatment 2013

	<40 yrs				>40 yrs			
	No Meds	CC	Letrozole	FSH	No Meds	CC	FSH	Letrozole
Number of cycles	141	579	117	285	7	82	101	5
Number of pregnancy	26	76	21	22	0	2	6	0
Percent pregnancy	18.4%	13.1%	17.9%	7.7%	0	2.4%	5.9%	0

Table 5. % Multiple pregnancy per viable pregnancy with ovulation induction 2013

	CC	Letrozole	Gonadotropins
Twins	7.7%(6)	9.5%(2)	21.4%(6)
Triplets	1.3%(1)	0	3.6% (1)
Quadruplets	0	0	7.1%(2)

UROGYNECOLOGY AND RECONSTRUCTIVE PELVIC SURGERY



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

The Division of Urogynecology and Reconstructive Pelvic Surgery faculty also includes: Erin Duecy, M.D., Lioudmila Lipetskaia, M.D., Pamela Wigent, N.P., Theresa Seguin, N.P., Paula Doyle, M.D. (3rd year fellow in Female Pelvic Medicine and Reconstructive Surgery) and Amy Collins, M.D. (1st year fellow in Female Pelvic Medicine and Reconstructive Surgery)

CLINICAL

In October 2012 we recruited as a third Urogynecologist in our division Dr. Lioudmila Lipetskaia who completed her fellowship training at the University of Louisville. She started seeing patients in October 2013. Dr. Buchsbaum has been on medical leave for the greater part of the academic year. Therefore, the clinical volume has remained largely unchanged despite the addition of an additional faculty.

Since the potential clinical volume warrants one more full-time urogynecologists, we recruited Dr. Paula Doyle, currently Senior fellow in Female Pelvic Medicine and Reconstructive Surgery at our division.

Dr. Amy Collins started as Junior fellow at the beginning of this academic year. She completed her residency training at the University of Cincinnati College of Medicine.

Patient-centered quality care has been a focus of our practice from the onset. Patient satisfaction has remained high. Overall, 35 Strong Stars were awarded to individuals of our group and to the team. Drs. Buchsbaum and Duecy were again recognized this year with the Patient- and Family-Centered Care Award University of Rochester.

TEACHING

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

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

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

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

An elective rotation in Urogynecology is part of the curriculum for Urology residents. For the upcoming year, this rotation is going to be a core rotation for urology residents.

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

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

RESEARCH

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

ONGOING PROJECTS AND PRINCIPAL INVESTIGATOR (PI)

- BOLD Protocol for Minimally Invasive Gynecology
Co-PI- Gunhilde M. Buchsbaum and Erin Duecy, MD
- Cost Analysis of daVinci Assisted Sacrocolpopexy versus and Open Sacrocolpopexy
Co-PI- Gunhilde Buchsbaum, MD and Paula Doyle, MD
- Anterior vaginal length –What is the range of normal?
PI- Gunhilde M. Buchsbaum
- Operations Management - Patient flow through an outpatient specialty care practice.
PI- Gunhilde M. Buchsbaum
- Barriers to Care
PI- Paula Doyle
- Patient enrollment in MyChart
PI- Lioudmila Lipetskaia

PRESENTATIONS AT SCIENTIFIC MEETINGS

Society of Gynecologic Surgeons (SGS) 40th Annual Scientific Meeting, Scottsdale, AZ "Variability of Anterior Vaginal Wall and Total Vaginal Length" (Non-Oral Poster) March 2014

Nobay F, Thornburg L, Bonham A, Duecy E, Dadiz R, Arnold C, Spillane L. A Multi-Modal Curriculum to Teach Rare, Life-threatening Obstetrical Emergencies to Emergency Medicine Residents. Poster. 2014
CORD Academic Assembly Advances in Education Research and Innovations Forum, New Orleans LA, March 2014

Thornburg LL, Duecy E, Arnold C, Pressman EK. Simulation for learning obstetrical skills- repeated testing and self-efficacy. Poster. Society for Maternal Fetal Medicine- Annual Scientific Meeting New Orleans, February 2014

Thornburg LL, Marroquin B, Arnold C, Duecy E, Pressman EK. Interdisciplinary simulation to improve resident Communication in maternal critical events. Poster. 2014 CREOG and APGO annual meeting, Atlanta GA, February 2014

Thornburg LL, Marroquin B, Arnold C, Duecy E, Pressman EK. Interdisciplinary simulation to improve resident education in maternal critical events. Oral Presentation. 2014 CREOG and APGO annual meeting, Atlanta GA, February 2014

American Urogynecologic Society (AUGS) 34th Annual Scientific Meeting, Las Vegas, NV "Barriers to Urogynecologic Care in a population of gynecologic Oncology patients." (Poster Presentation) October 2013

American Urogynecologic Society (AUGS) 34th Annual Scientific Meeting, Las Vegas, NV "Cost Analysis of Robotic Assisted Sacral Colpopexy versus and open 5 cm Sacral Colpopexy." (Poster Presentation) October 2013

International Continence Society (ICS) Annual Meeting in Rio de Janeiro. "Assessment of Murine Bladder Permeability in Vivo with Fluorescein after Acute Radiation Damage." (Oral Poster) May 2014

PUBLICATIONS

Azadi A; Jasinski JB; Francis SL; Pasic R; Lipetskaia L; Deveneau NE; Yeganeh T; Ostergard DR. "Evaluation of surgical instrument handling on polypropylene mesh using scanning electron microscopy." International Urogynecology Journal. 2014;25(5):651-6.

Thomas SG; Sato HR; Glantz JC; Doyle PJ; Buchsbaum GM. "Prevalence of symptomatic pelvic floor disorders among gynecologic oncology patients." Obstetrics and Gynecology. 2013;122(5):976-80.

Crosby EC; Vilasagar S; Duecy EE; Flynn MK. "Expectant management of cystotomy at the time of midurethral sling placement: a retrospective case series." International Urogynecology Journal. 2013;24(9):1543-6.

FUTURE PLANS

With the addition of two fellowship-trained faculty, the division is expected to move ahead with clinical goals, particularly, expanding clinical volume and increasing scope of services as well as research activities. Further, we are doing the groundwork for laying the foundation for an integrated, multispecialty continence center for women and men at the UR Medicine. Starting October 2014, Dr. Gareth Warren, urologist with subspecialty training in male incontinence and bladder dysfunction, will be providing outpatient care for men with lower urinary tract dysfunction at Pelvic Health and Continence, 500 Red Creek office. We are in negotiations with colorectal surgery to participate in this collaborative effort.

EDUCATIONAL PROGRAMS

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2013 - June 30, 2014

MEDICAL STUDENT EDUCATION



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

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

MEDICAL STUDENT RECRUITMENT IN OB/GYN

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

Year of Graduating Class	Students Matching in Ob/Gyn
2005	6
2006	4
2007	4
2008	10
2009	3
2010	4
2011	7
2012	8
2013	4
2104	5

Five students in the Class of 2014 chose Ob/Gyn as a career choice, and all five successfully matched. These students and match sites are listed below.

Class of 2014

Oluwateniola Brown
Conisha Holloman

Northwestern McGaw/NMH/VA - IL
Orlando Health - FL

Rebecca Levinn
Brett McGowan
Joshua Sinkin

Maine Medical Center - ME
Madigan Army Medical Center – WA
Maine Medical Center - ME

During the fall of 2014, five students from the University of Rochester School of Medicine and Dentistry are applying to residency programs in Obstetrics and Gynecology. The five students are interviewing at programs across the country, and have been granted interviews at a range of academic as well as community programs.

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.

2014 APGO Excellence in Teaching Award—Brent DuBeshter, 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. (The male GU didactics are conducted by Dr. William Hulbert of Urology.)

INTEGRATION CONFERENCE: Introduction To Cervical Cancer Screening – May

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

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

2nd Year Students

INTEGRATION CONFERENCE ON CONTRACEPTION – LATE FALL OR MID-SPRING

Our Department teaches one of these conferences in the area of Contraception and the other is taught by Family Medicine in the area of Human Sexuality. The Integrated Conference on Contraception is one hour of general overview of epidemiology and contraceptive methods. The other two hours 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.

OB/GYN DIDACTIC SESSIONS AND OFFICE SESSIONS:

Starting in September, the second year students get introduced to basic OB/GYN topics through a series of lectures and workshops. Each didactic session has a lecture component with an embedded clinical case. The topics for 2013-14 included: Well-Woman Care (including a brief primer on Preconception Care and Pregnancy Screening), Abnormal Uterine Bleeding (including pregnancy loss), Vaginitis, and Abortion. In the 2013-14 academic year, these didactics were in large group format, taught by Drs. Sarah Betstadt (Abortion) and Colby Previte (other didactic topics). Students then had two sessions in local offices with individual preceptors to see patients, take histories, perform physical exams and learn differential diagnoses. These preceptors are full-time and part-time faculty at both Highland and Strong

Hospitals, community physicians practicing at Unity Hospital and Rochester General Hospital, URMC OB/GYN resident physicians, midwives, and nurse practitioners.

At the completion of the OB/GYN portion of PCC, the students take an examination that covers topics of OB/GYN, including breast and pelvic examinations, and the topics covered in the aforementioned didactics. These questions are written by Dr. Previte, Dr. Betstadt, and Dr. Anne Nofziger, Course Director for the Primary Care Clerkship.

DISEASE PROCESSES AND THERAPEUTICS 2 – FEBRUARY

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

3rd Year Students

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

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

- Updates to the clerkship “expectations” documents.
- Updates to the clerkship Passport, which serves as both a guide for expected experiences and as a feedback tool for the students.
- Updates to several didactic cases.
- 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.
- Continued focus and updates to the formal “mid-clerkship evaluations,” an LCME requirement for “real time” feedback to students. These focus on student concerns, discuss students’ goals, and also to discuss strengths and weaknesses of the clerkship.
- Improved oversight at Rochester General Hospital.

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

- Streamlining of clerkship requirements for exposure to diagnoses and procedures.

The site coordinators for the third year clerkship are:

Highland Hospital – Colby Previte, M.D.

Rochester General Hospital - Dr. Rehan Asif

Strong Memorial Hospital – Dr. Sarah Betstadt

3rd Year/4th Year Students

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

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

RESIDENCY EDUCATION PROGRAM



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

The 2013/2014 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
Jennifer T. Black, MD	University of Colorado School of Medicine
Sheila D. Flaum, DO	West Virginia School of Osteopathic Medicine
Jennifer Leone, MD, MS	Case Western Reserve University School of Medicine
Haley M. Meyer, MD	University of Minnesota Medical School
Jessica E. Mitchell, MD, MSc	The Warren Alpert Medical School of Brown University
Laura K. Pekman, MD	The Brody School of Medicine at East Carolina University
Mary N. W. Towner, MD	University of South Alabama College of Medicine
Ferdous Zannat, MD	Albert Einstein College of Medicine of Yeshiva University

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 85% of invited applicants coming from medical schools outside of New York State. Significant faculty exposure in the form of the division directors meeting with all applicants to discuss the program as well as large number of faculty conducted interviews has been noted as a strong point by many applicants.

The Advisory Committee on Education in Obstetrics & Gynecology (ACE) continued to serve as an excellent forum for discussion of important residency program issues. Faculty representatives from Highland Hospital as well as resident representatives (administrative chiefs, Kristin Klosterman, MD and Courtney Olson-Chen, MD; third year representatives, Charisse Loder, MD and Emily Thompson MD) met regularly throughout the year to address many issues including the ACGME Outcome Project, core competencies, learning objectives, the evaluation process, and curriculum development.

Another successful Resident Research Day was conducted in May, 2014 and complemented by the Chief Resident Dinner and Awards Ceremony held at Casa Larga in June.

RESEARCH DAY ACTIVITIES

May 8, 2014

RESEARCH PAPERS AND PRESENTATIONS

Resident Papers:

“Sonographic changes in the pelvic floor during pregnancy and postpartum”

Presented by Pakeeza Alam, MD

“PALM study: predictors for accuracy of Leopold maneuvers”

Presented by Rachel Flink-Bochacki, MD

“Long term outcomes of hysterectomy as treatment for the management of chronic pelvic pain”

Presented by Katina Foster, MD

“Association between first trimester maternal air quality exposure and risk of fetal gastroschisis”

Presented by Marwa Ibrahim, MD

“Factors influencing malpositioned intrauterine devices”

Presented by Jaclyn Morrison, MD

“Condensing the surgical learning curve? Assessment of resident laparoscopic skills prior to implementation of a laparoscopy curriculum”

Presented by Emily Thompson, MD

“Predictive value of serum anti-Mullerian hormone in obese and non-obese women with Polycystic Ovary Syndrome receiving oral ovulation induction agents”

Presented by Jill Uyenishi, MD

“Patient knowledge regarding emergency contraception: a randomized trial comparing pamphlet versus web-based education”

Presented by Charisse Loder, MD

34th ANNUAL JEROME H. RUDOLPH MEMORIAL LECTURE

“The Importance of Long-Acting Reversible Contraception”

Presented by Jeffrey F. Peipert, MD, PhD

Vice Chair of Clinical Research and the Robert J. Terry Professor

Department of Obstetrics and Gynecology

Washington University in St. Louis School of Medicine

RESIDENTS' COMMENCEMENT HONORS AND AWARDS

Administrative Chiefs for 2013/2014:

Kristin Klosterman, MD and Courtney Olson-Chen, MD

William Clay Award

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

Recipient: **Stefanie Hollenbach, 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: **Elizabeth Fontaine, 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: **Kristin Klosterman, MD**

Curtis J. Lund Awards

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

1st place winner: **Jaclyn Morrison, MD**
2nd place winner: **Charisse Loder, MD**
3rd place winner: **Rachel Flink-Bochacki, MD**

Faculty Award

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

Recipients: **Mary Wilsch, MD** (Highland Hospital)
Diane Cunningham, MD (Strong Memorial Hospital)

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: **Snigdha Alur, MD**

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: **Jennifer Fichter, MD**

The Obstetrics and Gynecology Department Award

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

Recipient: **Elizabeth Fontaine, 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: **Robyn Corriea, RNC**

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

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

Oncology Resident Award

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

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

Urogynecology Award

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

Recipient: **Jaclyn Morrison, MD**

OTHER AWARDS/OPPORTUNITIES DURING 2013/14:

AAGL Resident of Excellence in Endoscopic Procedures

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

Recipient: **Smitha Vilasagar, MD**

ASRM Resident Reporter Program in San Diego, CA

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: **Jill Uyenishi, 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: **Brent DuBeshter, MD**

CREOG 2014 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: **Sandy Perry, MD**

The Arnold P. Gold Foundation Humanism in Resident Teach Award

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

Recipients: **Jennifer Fichter, MD**
 Chinedu Nwabuobi, MD
 Courtney Olson-Chen, 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: **Brittany Paivanas, MD**

HIGHLAND HOSPITAL

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2013 - June 30, 2014

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

RESEARCH

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2013 - June 30, 2014

RESEARCH DIVISION

DEPARTMENT HIGHLIGHTS

- ◆ 13 New Grants in the Department
- ◆ 50 Active NIH and non-NIH Grants in the department with total costs of \$10,089,281
- ◆ 43% of the PhD or MD faculty members are PI on a grant
- ◆ 36% of the MD faculty members are PI on a grant

RESEARCH DIVISION HIGHLIGHTS FOR 2013 – 2014

1. **Timothy De Ver Dye, Ph.D. joined the Research Division as Associate Chair for Research on January 1, 2014.**
2. **3 New Grant Awards for Research Faculty:**
 - a. *Emily S. Barrett, Ph.D.* EHSC Grant in the amount of \$12,360 for “Toxico-Anthropology: Characterizing exposure to environmental chemicals in non-Western populations.”
 - b. *Emily S. Barrett, Ph.D.* EHSC Grant in the amount of \$46,350 for “A two-pronged approach to studying phthalate exposure and ovarian function.”
 - c. *Morton W. Miller, Ph.D.* from Mae Stone Goode in the amount of \$15,000 for “Hyperthermic Chemical Synergistic Teratogenicity.”
3. **27 Peer-Reviewed Publications** in journals including: American Journal of Epidemiology, Fertility and Sterility, European Journal of Obstetrics, Gynecology, and Reprod Biology, PLoSOne, Biology of Reproduction, Toxicology and Applied Pharmacology, International Journal of Cancer, Environmental Geochemical Health, Arthritis Rheumatology, International Journal of Environmental Research Public Health, Reproduction, Frontiers in Endocrinology, Seminars in Reproductive Medicine, Reproductive Toxicology, Oncotarget, Arthritis and Rheumatism, Journal of Physiology, Placenta, Cancer Immunology and Immunotherapy, Chemosphere, BMC Pregnancy and Childbirth, Journal of Lower Genital Tract Disease, Journal of Maternal-Fetal & Neonatal Medicine, Computational and Mathematical Methods in Medicine, BMC Research Notes

FACULTY

Emily S. Barrett, Ph.D. is an Assistant Professor of Obstetrics and Gynecology at the University of Rochester School of Medicine and Dentistry. 2013-2014 was her third year as a scholar in URMC’s BIRCWH (NIH-K12) program entitled WHEEL, or Women’s Health and the Environment over the Entire Lifespan. During her tenure as a WHEEL scholar, Dr. Barrett is examining how environmental factors, particularly those operating early in development, affect ovarian function and fertility. As part of her scholarship in the program, Dr. Barrett has been collecting pilot data through several projects as well as conducting secondary analyses on several large, existing data sets. Among her original research studies is an ongoing case-control study of biomarkers of prenatal androgens in women with and without polycystic ovary syndrome, funded by the Mae Stone Goode foundation in early 2012. In addition, Dr. Barrett and colleagues are nearing completion of a large pilot study examining how exposure to environmental chemicals contributes to fertility and ovarian function in women.

This year, Dr. Barrett completed data collection for several studies. The largest was the NIEHS-funded, multi-center The Infant Development and Environment Study (TIDES), for which Dr. Barrett was the director of Rochester's study center. The study examined how prenatal exposure to phthalates, a class of endocrine disrupting chemicals, affects children's reproductive development. The study recruited over 900 pregnant women at four centers, including over 250 Rochester women, and followed their children until age 1. The first manuscripts from the study have now been published with several more on the way. The study team has applied for further funding to follow the TIDES children up to age 5. Dr. Barrett also completed two pilot studies in the past year. The first was a dietary intervention to lower exposure to phthalates in pregnant women (co-PI, S. Chen, Environmental Medicine), and the team is in the process of publishing those results. Another pilot study, funded in summer 2013, was recently completed and found that exposure to phthalates is so extensive that they are even measurable (at low doses) in a traditional-living, Amazonian hunter-gatherer population. Dr. Barrett and colleagues are now writing up these results and pursuing further work on the health ramifications of low dose exposure to these chemicals.

Dr. Barrett also continues to analyze data from three large studies of women's reproductive health, the Energy Balance and Breast Cancer Aspects Study (Norway) and the Study for Future Families (multi-center, USA) and the Women's Reproductive Health Study (California). Based on these studies, she published a number of peer-reviewed papers on women's health and sex differences this year, with several more currently under consideration at leading journals. Using this data, she gave an oral presentation at a national meeting (as well as several local meetings) and co-authored several poster presentations at an international meeting on environmental epidemiology. Dr. Barrett mentored several residents and graduate studies on analyses related to this data, with publications in process.

Dr. Barrett continued as co-Director of the Office of Research Administration in the Department of Obstetrics and Gynecology (appointed 2011). In this position, she oversees the scientific and administrative aspects of all research underway in the department. Additionally, she was named as the department reviewer for the Research Subjects Review Board in 2010 and continues in that role at present. Finally, she continues to sit on the URM Environmental Health Sciences Center faculty. Finally, Dr. Barrett applied for NIH funding for several large studies and is awaiting their review.

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 include evaluating the impact of a prenatal supplementation educational intervention in Tibet, mercury exposure and fish consumption during pregnancy in Hawaii, and an assessment of variation in gestational diabetes outcomes by ethnicity. Dr. Dye currently serves as Editor-in-Chief of the Maternal and Child Health Journal, which publishes public health, obstetrics, gynecology, prenatal medicine, pediatrics, and neonatology research.

Morton Miller, Ph.D. an NIH Merit Awardee and a 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, NICHHD, NIBIB and the Mae Stone Goode Foundation, some in collaboration with Dr. Richard K. Miller. Dr. Morton Miller has had many national and international responsibilities, including INIRC committee membership on diagnostic ultrasound, hyperthermia and birth defects, membership in the AIUM's Bioeffects Committee, editorial board membership in WFUMB's Ultrasound in Medicine and Biology. Dr. Miller has been recognized as a Fellow of the American Institute of Ultrasound in Medicine (AIUM) and has been a long-term participant (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. Richard K. Miller, Ph.D. is Director of MotherToBaby UR Medicine (formerly known as the Perinatal Environmental/Drug Consultation Service - New York State Teratogen Information Service), Co-Director of the New York State Center of Excellence in Children's Environmental Health, and Associate Director, Clinical Chemistry Laboratories (URMC). He continues his research on biomarkers to identify preeclampsia before symptoms develop as well as an investigation of how phthalates, bisphenol-A, and triclosan may alter human trophoblast cell function. Further, he is completing his research studies funded by NIH concerning the role of the placenta in transporting nanoparticles. He is working with Dr. Stodgell and Dr. Asher Ornoy of Hebrew University on a rat model of type II diabetes mellitus and the implications for fetal growth restriction and birth defects funded by the US/Israel Bi-National Science Foundation. Finally, Dr. Miller was lead investigator of a 20 institution NIH=National Children's Study Formative Research Project with Drs. Stodgell and Katzman exploring how to preserve the placenta for study of its vasculature and morphology as well as tissue for genetic - epigenetic, environmental assessment and isolation of stem cells. The objectives are to develop biomarkers in the placenta of future risk for childhood and adult disease by evaluating the human placenta. As part of this NCS Study, Drs Miller, Stodgell, Darrah and Dye are following up on the finding that a 6% of the 250 women studied had dramatically elevated gadolinium levels. They are currently attempting to determine associations with adverse perinatal outcomes and origins of the exposures.

Dr. Miller is the dysmorphologist and member of the Scientific Advisory Boards for the US Ribavirin Pregnancy Registry, for the Genentech MoTHER Pregnancy Registry and for the international Belimumab Pregnancy Registry; a member of the scientific review board for TERIS, the on-line Teratogen Information Service. Dr. Miller has been an invited speaker on several occasions this year including the Teratology Society (Bellevue, Washington), NIH-NCS Expanded Steering Committee Meeting (Bethesda, MD), Applied Mathematics, Modeling and Computational Science Intl Conference (Waterloo, Canada), and the NICHD-CIHR Summer Institute in Maternal-Fetal Pharmacology (Toronto).

He is also Chair of the International ENTIS-OTIS Scientific Research Committee and member of the OTIS Research Committee. He is also a member of the Pregnancy and Neonate Sub Committee of the NIH-WHO Committee on Health Burdens of Indoor Air Pollution (IAP) on Women and Children in Developing Countries. Editor of Journal of Pregnancy, Dr. Miller was 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 has eight abstracts and publications in Biology of Reproduction, Toxicology and Applied Pharmacology, Placenta, Chemosphere. He is editing the 3rd Edition of Drugs during Pregnancy and Lactation: Treatment Options and Risk Assessment to be in print in November of 2014

Shawn P. Murphy, PhD and his research team, Katie Burke, Meghan Bushway, Ian Perry and Paula Zozzaro-Smith D.O., are studying the molecular biology and immunology of pregnancy with a particular

focus on the functions of 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. Alterations in placental blood vessels and the trophoblast layer have been implicated in serious complications of pregnancy, including miscarriage, preeclampsia and in utero growth restriction. However, we have an incomplete understanding of the molecular pathways that mediate placental blood vessel and trophoblast development and differentiation. Furthermore, the methodologies historically used to study the placental microenvironment do not have the capacity to simultaneously examine morphology, spatial organization and phenotype. Therefore, Meghan Bushway, in conjunction with Drs. Scott Gerber, Edith Lord and Richard Miller, developed placental whole mount immunofluorescence (WMIF) to study the major placental cell types within morphologically intact tissue. We recently published our first study using the WMIF technique, which demonstrated differential patterns of expression of the vascular endothelial growth factor receptors (VEGF-R1, VEGF-R2 and VEGF-R3), and activated, tyrosine phosphorylated STAT-3 (P-STAT-3) in the human placenta over the course of gestation. Collectively, the results suggest that VEGF-R2, VEGF-R3 and P-STAT-3 have roles in angiogenesis within the human placenta. Dr. Zozzaro-Smith employed WMIF to compare expression of the VEGFRs and pSTAT-3 in normal healthy placentas, versus those from women afflicted with preeclampsia. Her study demonstrates that P-STAT-3 expression was significantly elevated in the blood vessel nuclei of preeclamptic placentas, suggesting that aberrant P-STAT-3 activity is associated with preeclampsia.

Ms. Bushway has also been utilizing WMIF to characterize placental cell responses to interferons (IFNs), which are pro-inflammatory cytokines that play critical roles in activating immunity to tumors, viruses and intracellular bacteria. IFN- γ is produced in the pregnant uterus of humans and rodents, but the functions of this cytokine in human pregnancy are not known. Furthermore, a comprehensive examination of placental cellular responses to IFNs over the course of human gestation has not been previously performed, particularly within intact placental tissue. Ms. Bushway therefore utilized WMIF to characterize placental IFN- γ responses in 1st and 3rd trimester tissues. Importantly, trophoblast subpopulations from 1st trimester placentas differentially respond to IFN- α 2 the syncytiotrophoblast layer and underlying villous cytotrophoblast do not respond to IFN- γ , while columnar cytotrophoblast cells are strongly responsive. These results were independently confirmed using flow cytometry of single cell suspensions of human placental cells exposed to IFN- α 2 in vitro. Differential responsiveness to IFN- γ between cytotrophoblast cell subpopulations correlated with the levels of IFN- γ receptor expression. The identification of differential IFN responsiveness in distinct human trophoblast cell subpopulations suggests that IFN- γ plays an important role in controlling the functions of columnar cytotrophoblast cells, which invade into the uterine wall and remodel maternal blood vessels to facilitate blood flow to the fetus. Interestingly, similar patterns of cellular responsiveness were identified following exposure of placental tissues to IFN- α 2, which is important for promoting a first line of defense against viral infection. Thus, our collective studies suggest that interferons may have novel, non-traditional functions in the human placenta.

Pregnant domesticated farm animals and mice are highly susceptible to infection by the food-borne pathogen Salmonella, and these infections are associated with significant increases in fetal and maternal mortality and morbidity. Studies in pregnant mice demonstrate that Salmonella tracks to and rapidly replicates within the placenta, leading to rapid destruction of the mouse placenta and subsequent death of the mother. However, little is known about the potential dangers of Salmonella infection in pregnant women. Thus, Ian Perry is studying the susceptibility of the human placenta to Salmonella infection. Mr. Perry's PhD studies to date suggest that ST can infect the human placenta, but infection appears to be restricted to the outer syncytiotrophoblast layer that is exposed to maternal blood, and the underlying villous cytotrophoblast cells, in both 1st trimester and term tissues. Interestingly, despite the fact that the trophoblast cells are infected, Salmonella does not appear to replicate extensively in the human placenta.

Dr. Murphy has served on the faculty of the Human Placenta Biology Workshop at Queen's University in Kingston, Ontario, Canada for the last eight years. The course provides an intensive introduction to the biology of the placenta, and trophoblast in particular, to clinicians, principal investigators and PhD students interested in pursuing the field of pregnancy research, and to date students have come from over thirty countries. Dr. Murphy teaches the molecular biology component of the course on gene regulation, emphasizing his team's work on "immune gene regulation in trophoblast cells". In addition, he also gives a laboratory component on the whole mount immunofluorescence technique.

Richard W. Stahlhut, M.D., M.P.H. Research Assistant Professor, was Principal Investigator for the BPA GO grant (formerly Shanna Swan, PI) which concluded in Feb 2013. We have submitted a paper describing an association found between maternal BPA exposure and child weight. Through a pilot grant from the Goode Foundation, Dr Stahlhut (PI), along with URMIC surgeon Lael Forbes and pathologist Bruce Goldman, is studying the effects of bariatric surgery on pollutant concentrations in blood and urine levels of persistent pollutants (e.g., DDT) and nonpersistent pollutants (e.g. bisphenol A). The Passport Foundation funded another pilot (Dr. Stahlhut, PI) with Forbes and Goldman to examine bisphenol A levels in adipose tissue at autopsy. Dr. Stahlhut was co-author on two papers related to male fertility in humans and metabolic disruption in mice related to bisphenol A exposure.

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 research areas of interest 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 also collaborating with Drs. Hyman and Tristram Smith on the Autism Treatment Network, a national registry designed to determine the best clinical practices for the diagnosis and treatment of autism spectrum disorders. Dr. Stodgell, Dr. Richard K. Miller in the department, and Dr. Asher Ornoy of Hebrew University, Jerusalem, Israel are investigating the effects of diabetes on birth defects in a rat model. He is collaborating with Dr. David Foster, in the department on the genetic and environmental etiologies of vulvar vestibulitis. Most recently, he has started working with Dr. RK Miller and Morton Miller on teratogenic synergism that may occur when multiple exposure to the fetus occur. As a Principle Investigator, Dr. Stodgell is currently funded by the Goode Foundation for grant focused on gene-environment interactions in the developing nervous system after in utero exposures to the teratogen valproic acid. Most recently Dr. Stodgell and Dr. Miller were awarded a Formative Research Award from the National Children's Study to investigate the use of placental tissue for chemical, environmental and genetic analysis. Dr. Stodgell has published work related to the effects of in utero valproic acid exposure on embryonic gene expression, on the genetics and teratology of autism, and vulvar vestibulitis. In addition to his research Dr. Stodgell is a member of the Education Committee for the Teratology Society and is Vice Chair of the University Committee on Animal Resources, serves on the Medical Student Admissions Committee, and is a member of the University's Senate Executive Committee. Dr. Stodgell regularly lectures on teratology for the third year medical students in the Women's Health Clerkship, Developmental and Reproductive Toxicology Tox 552, and genetics and psychopharmacology in CSP 553, as well as a group leader for the Process of Discovery with the 4th year medical students.

Ronald Wood, Ph.D. The laboratory of Dr. Wood principally focuses on studies of the lower urinary tract based on new methods for evaluating voiding function and associated anatomical changes. This research program also relevance to overactive bladder, benign prostatic hypertrophy, cystitis and

genitourinary malignancies. High resolution 3D ultrasound imaging is supported from this lab, a technology permitting rapid high contrast imaging of soft tissues and blood flow. Near infrared imaging of lymphatic transport has been developed in support of collaborative research efforts on arthritis in Orthopedics and Pathology. Dr. Wood collaborates with David Foster, Paula Doyle, Gunhilde Buchsbaum, Christopher Stodgell and Richard Miller in the Department; Drs. Edward Messing, YiFen Lee and ShuYuan Ye in Urology; and Drs. Edward Schwarz and Lianping Xing in Orthopedics and Pathology. The laboratory of Dr. Wood continues to provide research experience for graduate students, residents and fellows in these departments.

PROGRAMS, CENTERS AND SERVICES

MotherToBaby UR Medicine is a service of the Department of Obstetrics and Gynecology at the University of Rochester, School of Medicine and Dentistry, in Rochester, New York staffed by Teratologists, Pharmacologists/ Toxicologists, Pharmacists, Obstetricians and Pediatricians who specialize in prenatal exposures and breastfeeding. Directed by Dr. Richard K. Miller, families and health care providers can call this service from 8:30am to 4:00pm Monday through Friday at 585.275.3638 to address concerns involving environmental, occupational and therapeutic exposures during pregnancy. MotherToBaby UR Medicine is a member of the MotherToBaby national network, a service of the Organization of Teratology Information Specialists (OTIS) <http://www.mohtertobaby.org/>.

ORA, Office of Research Administration – ORA serves to support the pre- and post-award sponsored research needs of the Ob/Gyn faculty to make it easier for busy clinicians and researchers to apply for research funding and maintain their current projects. ORA participates in the publication of a departmental newsletter *Ob/Gyn Inside Story* every quarter to keep the faculty aware of upcoming research-related deadlines, research presentations, and to acknowledge funding successes, publications, and honors received by Ob/Gyn faculty. Members of ORA include: Emily Barrett and Rebecca Rowley, co-Directors; Meghan Goodwin, Staff Accountant; Ken Edell, Data Base Manager; Sarah Caveglia, Heather Fiore, Lynda Kochman, Divya Kumar, Melissa Miller, Study Coordinators; Shaya Greathouse, Study Recruiters; Katie Burke, Technician; Meghan Bushway, Ian Perry, Graduate Students.

Peer-Reviewed Publications

1. Angle BM; Do RP; Ponzi D; Stahlhut RW; Drury BE; Nagel SC; Welshons WV; Besch-Williford CL; Palanza P; Parmigiani S; Vom Saal FS; Taylor JA. "Metabolic disruption in male mice due to fetal exposure to low but not high doses of bisphenol A (BPA): evidence for effects on body weight, food intake, adipocytes, leptin, adiponectin, insulin and glucose regulation." *Reproductive toxicology*.. 2013;42():256-68. Accepted 10 July 2013/Available online 25 July 2013
2. Barrett ES, Parlett LE, Redmon JB, Swan SH. Evidence for sexually dimorphic associations between maternal characteristics and anogenital distance, a marker of reproductive development. *Am J Epidemiol*. 2014 Jan 1;179(1):57-66. First Published online: October 11th 2013/Accepted for publication August 20th 2013
3. Barrett ES, Parlett LE, Windham GC, Swan SH. Differences in ovarian hormones in relation to parity and time since last birth. *Fertil Steril*. 2014 Mar 28. June 2014, ePub March 28th 2014
4. Barrett ES, Sathyanarayana S, Janssen S, Redmon JB, Nguyen RH, Kobrosly R, et al. Environmental health attitudes and behaviors: Findings from a large pregnancy cohort study. *Eur J Obstet Gynecol Reprod Biol*. 2014 Feb 26. May 2014
5. Barrett ES; Sobolewski M. "Polycystic ovary syndrome: do endocrine-disrupting chemicals play a role?" *Seminars in reproductive medicine*.. 2014;32(3):166-76. May 2014
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- mice." *The Journal of physiology*.. 2014;592(Pt 6):1213-23. "Accepted January 7 2014"/ "Published online before print January 13th 2014"
7. Bouta EM, Ju Y, Rahimi H, de Mesy-Bentley KL, Wood RW, Xing L, et al. Power doppler ultrasound phenotyping of expanding versus collapsed popliteal lymph nodes in murine inflammatory arthritis. *PLoS One*. 2013 Sep 9;8(9):e73766. September 9th 2013, online and in print
 8. Bushway ME, Gerber SA, Fenton BM, Miller RK, Lord EM, Murphy SP. Morphological and phenotypic analyses of the human placenta using whole mount immunofluorescence. *Biol Reprod*. 2014 Mar 19. Published online: March 19th 2014
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 11. Hackney DN, Tirumala R, Salamone LJ, Miller RK, Katzman PJ. "Do placental histologic findings of chorion-decidual hemorrhage or inflammation in spontaneous preterm birth influence outcomes in the subsequent pregnancy?" *Placenta*. 2014 Jan; 35(1):58-63. Epub 2013 Nov 10. "Accepted 2 November 2013"
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 13. Killeen JL, Dye T, Grace C, Hiraoka M. Improved Abnormal Pap Smear Triage Using Cervical Cancer Biomarkers. *Journal of lower genital tract disease*, 2014;18:1-7.
 14. Kravchenko J, Darrah TH, Miller RK, Lysterly HK, Vengosh A. A review of the health impacts of barium from natural and anthropogenic exposure. *Environ Geochem Health*. 2014 May 21. August 2014, ePub May 21st 2014
 15. Li D, Le Pape MA, Parikh NI, Chen WX, Dye TD. Assessing Differential Expression in Two-Color Microarrays: A Resampling-Based Empirical Bayes Approach. *PloSOne* 2013;8:e80099.
 16. Li D, Dye TD. Power and Stability Properties of Resampling-Based Multiple Testing Procedures with Applications to Gene Oncology Studies. *Computational and mathematical methods in medicine*, 2013.
 17. Lim JY, Gerber SA, Murphy SP, Lord EM. Type I interferons induced by radiation therapy mediate recruitment and effector function of CD8 T cells. *Cancer Immunol Immunother*. 2013 Dec 20. "Accepted 2 December 2013"
 18. Mendiola J, Jorgensen N, Andersson AM, Stahlhut RW, Liu F, Swan SH. Reproductive parameters in young men living in rochester, new york. *Fertil Steril*. 2014 Feb 10. "Accepted Jan 7 2014"
 19. Nanes JA; Xia Y; Dassanayake RM; Jones RM; Li A; Stodgell CJ; Walker CK; Szabo S; Leuthner S; Durkin MS; Moye J; Miller RK; . "Selected persistent organic pollutants in human placental tissue from the United States." *Chemosphere*.. 2014;106():20-7. "Accepted 30 December 2013"/ "Available Online 31 January 2014"
 20. O'Connor TG; Barrett ES. "Mechanisms of prenatal programming: identifying and distinguishing the impact of steroid hormones." *Frontiers in endocrinology*. 2014;5():52. April 14th 2014
 21. Rocha FG, Zalud I, Dye T. Ethnic variation of gastroschisis and omphalocele in the United States of America. *The Journal of Maternal-Fetal & Neonatal Medicine* 2014: 1-3.
 22. Sathyanarayana S; Barrett E; Butts S; Wang CW; Swan S. "Phthalate exposure and reproductive hormone concentrations in pregnancy." *Reproduction : the official journal of the Society for the Study of Fertility*.. 2014;147(4):401-9. May 2nd 2014
 23. Shi J, Liang Q, Zuscik M, Shen J, Chen D, Xu H, Wood R, et al. Distribution and alteration of lymphatic vessels in knee joints of normal and osteoarthritic mice. *Arthritis Rheumatol*. 2014 Mar;66(3):657-66. March 2014/Available in PMC June 27 2014

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25. Serrano SE, Karr CJ, Seixas NS, Nguyen RH, Barrett ES, Janssen S, et al. Dietary phthalate exposure in pregnant women and the impact of consumer practices. *Int J Environ Res Public Health*. 2014 Jun 12;11(6):6193-215. June 12 2014
26. Soon R, Dye TD, Ralston NV, Berry MJ, Sauvage LM. Seafood consumption and umbilical cord blood mercury concentrations in a multiethnic maternal and child health cohort. *BMC pregnancy and childbirth* 2014;14:209.
27. Tsai PJS., Roberson E, Dye, T. Gestational diabetes and macrosomia by race/ethnicity in Hawaii. *BMC research notes*, 2013;6:395.

SUMMARY

In fiscal year 2013-2014, the Office for Research Administration (ORA) in Ob/Gyn managed over \$10 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 eight 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. This year, Dr. Timothy De Ver Dye joined the research faculty in January 2014, assuming the role of Associate Chair for Research. Dr. Dye, who also serves as Director of the Biomedical Informatics Core of the Clinical and Translational Science Institute (CTSI), has already taken active leadership of research activities in the department, working with residents and faculty to develop new projects and collaborations. Dr. Dye's appointment ensures that research remains an integral part of the academic efforts in the department.

Indeed, the research faculty continued to be productive, publishing numerous articles in leading journals including PLoS One, *Chemosphere*, *American Journal of Epidemiology*, *Urology*, *Fertility and Sterility*, and *Placenta*. 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. As several of our largest studies came to an end this year, including our formative research on the National Children's Study Placental collection and The Infant Development and the Environment Study (TIDES), the resulting findings motivated new, follow-up grant submissions in novel research areas including human exposure to gadolinium and neurodevelopmental outcomes associated with prenatal exposure to endocrine disruptors.

ORA helped 16 PIs in the Department of Ob/Gyn to develop and submit new grant proposals this year, including 10 NIH proposals and 14 applications to other funding agencies (federal, state, foundation, or industry). ORA continued its efforts to facilitate research for all departmental investigators (from residents to senior faculty) through the development of research infrastructure at our off-site outpatient clinics as well as further development of our in-house research support team. Our successful weekly research workshop series continued, and provided a forum for sharing results, discussing new ideas, and learning new research tools. We were also pleased to host speakers from a number of different URMC departments, which was useful in developing new inter-disciplinary collaborations and stimulating new research directions. ORA continues to provide the faculty with regular updates on research efforts and opportunities through the "ORA Flash" column in *Ob/Gyn Inside Story*, e-mails, and the ORA website.

SERVICE PROGRAMS

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2013 - June 30, 2014

NURSING SERVICE SUMMARY

The OB/GYN Nursing 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/HCAP scores that are received every month. In the second quarter of this year, the nursing units were above the achievement threshold in every category that relates to nursing. This is a very important standard to maintain as it impacts the CMS scores for the hospital which translates to dollars returned to the hospital based on Value Based Purchasing.

Our service nursing leadership team led full day “Service Retreats” in March. All staff were included. The staff members were mixed from all three units and met off-site. These were conducted over 3 sessions. The agenda was the same each day. It was mixed with presentations from our HR Partners and interactive activities to strengthen the relationships of the staff across the service.

Kimberlee Blik, MCIC OB Patient Safety Nurse, continued to lead initiatives in the area of safe delivery of care. She is a TeamSteps instructor, coordinates simulations for our service and initiates debriefing sessions whenever they are requested or it seems appropriate. There has been an increased emphasis from ACOG, DOH and MCIC to increase education and skills in the areas of shoulder dystocia, post-partum hemorrhage and hypertension. Kimberlee has been submitting data to MCIC that will help to increase our awareness of where our vulnerabilities lie and where we should focus education for both providers and nurses.

Christine Arnold co-authored a published article on Interdisciplinary Simulation to Improve Delivery Room Communication. She also initiated the use of multi-disciplinary insitu simulation for improving perinatal care in the Emergency Room. In addition, Chris presented three educational webinars sponsored by NYSPA Quality Collaborative on using simulation for team building, education and quality improvement.

OB/GYN nursing has been participating in “A Day in My Shoes” program in collaboration with Dr. Erin Duecy, Residency Director. Each intern is assigned a learning partner from nursing for a four hour experience on the Birth Center and on 3-1200. The goals are to foster an understanding and appreciation of different roles in the department and to translate knowledge gained during these interactions into strong, positive collaborative working relationships between members of the healthcare team.

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

IN-PATIENT OB/GYN NURSING SERVICE

Associate Director for OB/GYN Nursing

Deborah Sue Phillips, MS, RNC-OB

Nursing Educators

Jennifer Truax, MS, RNC

Maureen Freedman, MS, RNC

Christine Arnold, MS, RN

Nurse Managers

Rebekah Huff, MS, RN 3-1200

Keri Cockman, MS, RNC –OB 3-1400

Jennifer Carey, BS, RNC

Coordinator of OB/GYN Quality Improvement

Candace Galle, BS, RN

MCIC Safety Nurse for Obstetric Practice at Strong Memorial Hospital

Kimberlee Blied, MS, RNC

SOCIAL WORK

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

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

Social work assumes primary responsibility for the assessment and management of all patients presenting in any ambulatory or inpatient clinical area, suspected to be the victims of child abuse/neglect or domestic violence. Social workers work closely with the local department of social services, family courts, criminal justice system and victims services in order to secure necessary protective services for infants, teens and women and to enable safe discharges.

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

STAFF

The OB/GYN Social Work program at SMH is staffed by 2.65 FTE masters level social workers. Staff includes the following:

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

WOMEN'S COMPASSION FUND

The Social Work Division administers the Women's Compassion Fund. The fund's resources are used to assist Strong patients who without the help of the fund could not access or fully

utilize women's health services. Such help typically includes covering the cost of uncovered prescriptions and transportation to health care appointments.

GRANT SUPPORTED PROGRAMS

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

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

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

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

Building Healthy Children is a collaborative project involving the Social Work Division, Mt. Hope Family Center and the Society for Protection and Care of Children. The program offers an array of evidence based services that focus on maternal depression/anxiety, maternal/child attachment, prevention of child abuse/neglect and improved health and developmental outcomes for infants and toddlers.

COMMUNITY COLLABORATIVES

Safe Ride Home: 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.

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