

**DEPARTMENT OF
OBSTETRICS AND GYNECOLOGY**
Annual Report for July 1, 2012 – June 30, 2013



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

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

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

James R. Woods, Jr., M.D.
Professor and Chair
(July 1, 2012 – June 30, 2013)

Eva K. Pressman, M.D.
Professor and Chair
(Effective July 1, 2013)

ANNUAL REPORT

for the period

July 1, 2012 - June 30, 2013

TABLE OF CONTENTS

Message from the Outgoing Chair	1
Message from the Incoming Chair	5
Department Faculty	6
House Staff	13
Faculty Activities:	
Administrative Activities.....	15
Grant Support.....	29
Honors and Awards	36
Presentations at National Meetings	38
Publications.....	47
Statistics:	
Cesarean Section.....	57
Deliveries	58
Perinatal Ultrasound	59
Clinical Subspecialty Divisions:	
General Gynecology and Obstetrics	61
Gynecologic Oncology	65
Maternal-Fetal Medicine	67
Midwifery and Rochester Adolescent and Maternity Program	71
Reproductive Endocrinology and Infertility Unit	72
Urogynecology and Reconstructive Pelvic Surgery.....	80
Education	
Medical Student Education Program.....	85
Residency Education Program.....	90
Highland Hospital (Report Not Submitted For This Year)	
Research	95
Service Programs:	
Nursing Service	103
Social Work	105

MESSAGE FROM THE OUTGOING CHAIR



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

*Henry A. Thiede Professor and Chair (through 6/30/13)
Department of Obstetrics and Gynecology*

This is Chair's annual report. I will be stepping down from this privileged position after eleven years to re-enter medicine full time, joining Henry Hess as part of a gyn practice within our Department focused on the midlife issues of women. Perhaps it is a product of age or perhaps nostalgia, but it seems appropriate to look back at some of the key events that have transpired since I first relocated to Rochester in 1986 that trace the history of this Department.

I apologize to those I may have inadvertently overlooked as I look back at our collective history. Many of these events were built on the broad shoulders and accomplishments of Henry Thiede, who served as Chair until his retirement in 1995, David Guzick, who chaired this department from 1995-2002 before becoming our Dean, and whatever part I was able to play as Chair from 2002 to the present.

Let me start by thanking all the nurses, nurse practitioners and social workers who have made my life, and that of the entire faculty, such an enriched experience. Names such as Sue Zigrossi, Ann Dozier, Deb Phillips, Pat Allen, and Mardy Sandler, all dedicated to a common goal, the best and safest care for our patients.

Our success as a clinical program committed to advancing our specialty also could not have occurred without the dedication, and often thankless efforts of our support staff. Many of whom have been with us for decades. As I look around, I see faces of those who throughout the years have been steadfastly loyal to our goals, and passionate about their part in that process.

I accepted the job of Division Director of Maternal Fetal Medicine in 1984, but because I was writing my first book on Communication in Medicine, Dr. Thiede agreed to wait until the summer of 1986 for my arrival. That year our epidural rate was 10%. Today in contrast, it is over 60%.

Upon arrival at URMC, the MFM division was in transition. Jules Moodley had just left for Cleveland and, within a year, Yogesh Shah would join him. Steve Sanko had just finished his MFM fellowship and joined us; Jeanne Cullinan was already in the division; David Graham was both MFM and Radiology (ultrasound), and Larry Dolkart was our first MFM fellow.

Within a few short years, Graham would relocate, Cullinan would move to Philadelphia to run a women's imaging center (but sadly would later die of cancer), Sanko would join a private (RGOA) group, and Dolkart would return to a successful MFM career in Elmira, New York.

With only David Sherer and Howard Thompson as my MFM fellows, and no other faculty but me, it was a relief when Jacques Abramowicz joined the division, followed by Richard Jaffe. Together, we guided the expansion of Ob and Gyn ultrasound outside the hospital. Today, under Eva Pressman, we provide an amazing network across the city.

In time, MFM expanded. Ruth Anne and John Queenan joined us from South Carolina where John was running a successful REI program. Eva Pressman relocated from Johns Hopkins and later would become a great MFM Division Director.

During those early years, the program was growing and changing constantly, but some components provided stability. Marvin Amstey was Chief of OB/GYN at Highland Hospital, devoting time to medical student and resident teaching in addition to his role as a national leader in infectious disease. Bob Tatelbaum headed up Genesee Hospital and Phyllis Leppert chaired Rochester General Hospital. Phyllis and I were fierce competitors. However, at one annual ACOG meeting we danced together and we were good! At Strong, I recall Al Jones mentoring resident care in our small outpatient hallway while posting the “case of the week” to challenge our residents. He would later become the Chief of Ob/Gyn at Unity Health Systems.

In those early years, the clinical divisions were also changing. Gyn Oncology was initially directed by Jack Beecham, with Cindy Angel and Brent DuBeshter finishing their fellowships. Jack would depart to Vermont, leaving the growth of the division to Cindy and Brent. It ultimately grew, with some speed bumps as other gyn oncologists came and then departed. Today this group of four is the busiest group of gyn oncologists in New York State.

The Reproductive Endocrinology Division had a more circuitous path of growth. When I arrived in 1986, Eberhard Muechler and Ko-En Huang were conducting IVF and Grace Centola was coordinating the sperm bank. Eb would later leave the University to join another health system and Ko-En would become a senior leader in Taiwan. Grace would leave URMC for a private blood banking company. The next division faculty was John Mattox who held the division together until he departed for Arizona. Shortly thereafter, we were led to the real deal. Vivian Lewis had just moved to San Francisco when we notified her of the opening of this leadership position. Because circumstances had delayed her establishing a base in San Francisco, she accepted our invitation, and the rest is history. A great division now headed by Kathy Hoeger has five faculty and one of the longest-running and most successful IVF programs in New York State.

Urogynecology also took a winding path. Our initial faculty member, Hillary Cholhan, departed for Rochester General Hospital, and Gunhilde Buchsbaum took charge, building the division to three before one (Mike Flynn) moved to head the Division of Urogynecology at the University of Massachusetts. By this fall, the division will be back to three, as are the go-to group for significant pelvic floor disorders.

Our Nurse Midwives have always been part of our foundation. Begun by Beth Cooper under the wise leadership of Dr. Thiede, they rapidly grew to be not only an integrated part of our clinical but also our educational programs. Skills learned by a medical student or younger resident under the watchful eye of a midwife have provided a lifetime foundation for compassionate care.

What about the generalists in the Department? Under Dr. Guzick, David Foster and Fred Howard expanded their expertise in vulvar disease and laparoscopic surgery respectively to address the question “who teaches our residents general ob/gyn care?” From an early departmental need developed what is now one of our largest divisions. Siresha Reddy served initially as Division Director. Subsequently Adrienne Bonham, the current Division Director, took a strong hand in establishing an academic

orientation for each of the division members. Out of that group have emerged experts in family planning, pediatric gynecology, midlife women's health, pelvic pain management, and vulvar disease.

Despite all the good that was happening, dark clouds were on the horizon. In time, the residency that had expanded to include all four hospitals would be brought back to Strong, Highland, and Genesee. Later, Genesee Hospital would close.

Our research program has always been oriented toward bringing the clinician and the scientist closer. Early on, we made our mark through Rich Miller's placental perfusion model and Patty Rodier's autism research. Later, Ron Wood would advance Urogynecology in the mouse model, Shanna Swan would expand environmental chemical effects in pregnancy, and others would champion studies of placental infections, lead exposure, and polycystic ovarian disease. With this commitment to research, one year we ranked number one nationally among Ob/Gyn departments for NIH research dollars in environmental chemical studies, and second overall for NIH research dollars. Moreover with these investigators have contributed much scientifically, the development of the Office of Research Administration, now led by Emily Barrett and Rebecca Rowley, has provided a platform supporting investigators to develop grants and manage budgets, and for young investigators to find their footing.

Critical to our success as a Department has always been the strong commitment from our community physicians. Many of us recall fondly Tichell, Clay, Choate, Fullerton and many others. Their patients, and the education these physicians offered our residents, were part of the backbone of our Department. Later Warner, Stookey and others would carry the banner. What a great group to be so dedicated to our program.

The brick and mortar footprint of our Department's outpatient services significantly changed over the years. In the mid-1990s, REI and MFM initially moved offsite but later relocated back into the ambulatory building of Strong Memorial. General Gyn and Urogyn also moved offsite, cognizing the need for a single subspecialty facility. So in 2007, our 21,000 square foot subspecialty building, consisting of REI, MFM, GYN specialties, and Urogynecology, was opened at Red Creek near Marketplace Mall. Shortly thereafter, we began our search for a similar site closer to Strong Memorial Hospital to provide comprehensive general Ob/Gyn care. After two false starts, in 2012 we opened our new Lattimore Women's Center, also a 21,000 square foot center just four blocks from Strong, leaving Strong Hospital as an inpatient-only facility and placing all of our outpatient services offsite, providing patients with free parking and easy access. Tara Gellasch became our first official Medical Director for the Women's Health Practice at Lattimore Women's Center.

Education has always remained one of our highest priorities and over the decades, we engaged in several different educational models to educate. Our first regional Perinatal Conference was held in 1987 at the Holiday Inn. Starting with 70 participants, it would run for over 25 years and grow to engage 400 physicians and nurses. The first Friday combined perinatal-neonatal weekly conference also began in 1987, later to be referred to as "Shark Rounds" although I do not know why. Along the way, to promote women's health, we ran a golf tournament for two years, and for the past five years we have coordinated annually a Women's Health Screening Fair at the Rochester Public Market, screening over 400 women during a four hour period on a Saturday in September.

Who would have ever thought back in 1991, when we first initiated peri-FACTS (called peri-FAX then because of the limited technology), that today that educational journal would reach over 30,000 nurses, physicians and students in obstetrics and gynecology?

Early on, David Baram and Tony Labrum provided the psychosocial Ob/Gyn to residents and students, Diane Hartmann marshaled the residents, and our Maternal Fetal Fellowship continued to be productive.

Diane's resident director role would shift to Ruth Anne Queenan as Diane assumed the position of Associate Dean for Graduate Medical Education and took on a more national role in education. Later, Ruth Anne would pass the residency directorship to our current Erin Duecy as Ruth Anne became Chief of Ob/Gyn at Highland Hospital.

New fellowships have also been founded. Our long-standing MFM fellowship would be joined by our Urogynecology fellowship and the Scibetta Minimally Invasive Fellowship, training academic leaders who will write the next chapters of their respective clinical fields.

We have been blessed by a long history of outstanding residents. There have been so many over the years we've been together. To name just a few: Polly Rounds, Steve Dewey, Sandra Stell, John McAndrew, Linda Syiek, Ellen Tourtelot, the Johnsons, Mary Jo Montanarella, but of course there are far too many to name them all. But side by side over the decades they worked many hours in the hospital and always ensured that patients received exceedingly good care.

Finally, it is my personal tribute to the leadership of Henry Thiede, and later David Guzick, that such a fine Department evolved.

As the torch is now passed to the new Chair, how does it feel? It feels great. This is a wonderful Department and the success we have enjoyed together is truly the legacy of all the extraordinary men and women who have preceded us. I will always be grateful for the honor and privilege of having been part of this proud story and I end my term as chair confident that our department's future is in the right hands.

MESSAGE FROM THE INCOMING CHAIR



Eva K. Pressman, M.D.

*Henry A. Thiede Professor and Chair (effective 7/1/13)
Department of Obstetrics and Gynecology*

In this first Annual Report in my new role as department chair, I wanted to share my vision for the department as well as a bit about myself. To start, I want to acknowledge the outstanding strengths of our department. Unique amongst other departments at the University of Rochester and other academic Ob/Gyn departments nationally, we have a department that has achieved a remarkable balance between fulltime and part time faculty, between services provided at Strong and Highland Hospital, and between clinical care, education, community service, and research. This balance allows us to attract some of the best faculty, fellows and residents in the nation and continues to put us on the forefront of our field.

My goal for the department is to encourage and nurture that balance as we face new challenges in an evolving world of healthcare. As a department based on delivering care that is evidence-based as well as elucidating the evidence on which future care will be delivered, I am confident that we are well poised to adapt to the many changes in the years to come. Building on the work we have done in the past on patient safety, we are beginning to set our sights on outpatient safety and outcomes. Similarly, we are starting to use our electronic records to provide useful information that will allow us to identify areas for improvement and study. And finally, in conjunction with goals of the medical center, we are working on a multidisciplinary approach to care, enhancing access and improving outcomes for the patients in our community and in the surrounding region.

And though many of you have known me for almost 15 years, I wanted to share a little of my own history that might not be included on my CV. I was born in New York City to parents who emigrated from Poland after surviving the Holocaust. My father was an electrical engineer who spent his entire career designing elevators for Otis and my mother led a dual medical career working part time as a pediatrician in the New York City Health Department as well as part time as an OB anesthesiologist at several hospitals, having trained in both of those specialties. In a family that valued education greatly, I was fortunate to attend Brown University and Duke Medical School before starting my Ob/Gyn training at Johns Hopkins. I stayed at Hopkins through residency and fellowship in Maternal Fetal Medicine before joining their faculty, eventually becoming assistant residency director and director of the high risk obstetrical clinic. In 1999, my husband, Seth Zeidman, and our three daughters, relocated to Rochester, joining a community that has fostered both of our careers as well as providing an exceptional place for our daughters to grow into bright and successful young women.

As I start my tenure as Chair of Obstetrics and Gynecology at the University of Rochester, I look forward to working with all of the faculty, staff, fellows, residents, and students for years to come. I am sure that together, we will continue to move the department forward so as to always remain on the cutting edge.

LISTING OF FACULTY

FULL-TIME FACULTY

Chair

James R. Woods, Jr., M.D. (through 6/30/13)

Eva K. Pressman, M.D. (effective 7/1/13)

Associate Chair for Academic Affairs

Gunhilde Buchsbaum, M.D.

Associate Chair for Clinical Affairs

Eva K. Pressman, M.D. (through 8/31/13)

Adrienne D. Bonham, M.D. (effective 9/1/13)

Associate Chair for Education

Erin E. Duecy, M.D.

Professor

Cynthia L. Angel, M.D.

Gunhilde Buchsbaum, M.D.

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

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

Brent DuBeshter, M.D.

J. Christopher Glantz, M.D.

Diane M. Hartmann, M.D.

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

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

Vivian Lewis, M.D.

Richard K. Miller, Ph.D.

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

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

James R. Woods, Jr., Professor

Eva K. Pressman, M.D.

Professor Emeritus

Marvin S. Amstey, M.D.

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

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

Anthony H. Labrum, M.D.

Morton W. Miller, Ph.D.

Robert C. Tatelbaum, M.D.

Henry A. Thiede, M.D.

Adjunct Professor

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

Kimberly O. O'Brien, Ph.D.

Associate Professor

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

Adrienne D. Bonham, M.D.
Erin E. Duecy, M.D. (effective 9/1/12)
Constantino Fernandez, M.D.
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. (effective 11/1/12)
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. (effective 5/1/13)
Joan W. Chisholm, M.D. (effective 2/4/13)
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. (effective 3/1/13)
Jacqueline T. Nasso, C.N.M., M.S. (effective 2/1/13)
Katrina F. Nicandri, M.D.
Sandy K.S. Perry, M.D.
Colby A.H. Previte, M.D.
Neil S. Seligman, M.D.
Rebecca L. Skovgaard, C.N.M., M.S.
Sajeena G. Thomas, M.D.
Loralei L. Thornburg, M.D.
Wendy S. Vitek, M.D. (effective 8/20/12)

Research Assistant Professor

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

Adjunct Assistant Professor

Thomas J. Guttuso, M.D.
Jani E. Lewis, Ph.D. (effective 1/1/13)

Adjunct Instructor

Arthur M. Dee, M.S.

Fellow

Stephen J. Bacak, D.O., M.P.H. (effective 7/1/13)
Amy F. Collins, M.D. (effective 7/1/13)
Jorge F. Carrillo, M.D.
Paula J. Doyle, M.D.
Dzhamala Gilmandyar, M.D. (terminated 8/31/13)
Lisa M. Gray, M.D.
Paula E. Zozzaro-Smith, D.O.

Associate

Michele L. Burtner, C.N.M., M.S.
Roberta S. DuBeshter, C.N.M., M.S.
Tammy L. Farnham, C.N.M., M.S.
Sheila A. Geen, C.N.M., M.S.N.
Pamela Jurich Wright, C.N.M., M.S.
Heather R. Lane, C.N.M., M.S.
Carolyn E. Leja, C.N.M., M.S. (terminated 4/30/13)
C. Jeanne Peterson, M.S.
Helene M. Thompson-Scott, C.N.M., M.S.
Jo A. Wrona, C.N.M., M.S.

Assistant

Yvonne R. Dougherty
Stephanie C. Laniewski, M.S.
Sarah B. Ludlow, C.N.M., M.S. (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

Therese A. Caffery, R.N., M.S. (retired 6/30/13)
Nurse Practitioner Nursing Practice, Clinical Associate School of Nursing and Instructor
Obstetrics and Gynecology

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

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

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

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

Melissa A. Mroz, M.D.
Senior Instructor Medicine and Obstetrics and Gynecology

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

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

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

Miriam T. Weber, Ph.D. (effective 7/1/13)
Assistant 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

David L. Gandell, M.D.
Joseph J. Scibetta, 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.
Elizabeth D. Warner, M.D. (effective 7/1/13)

Clinical Associate Professor

Karen M. Duguid, M.D.
Dianne M. Edgar, M.D.
Jeffrey R. Fichter, M.D.
William J. Harvey, M.D. (effective 7/1/13)
Uma M. Penmetsa, M.D.
Deborah M. Rib, M.D.
Stephan R. Sanko, M.D.

Clinical Assistant Professor

Diane M. Cunningham, M.D.

Georgette J. Pulli, M.D.
Marit B. Sheffield, M.D.

Clinical Senior Instructor

Beth M. Cerrito, Ph.D.

Clinical Instructor

Mary E. Ciranni-Callon, D.O.
Melissa A. Gunter, M.D.
Mitchell A. Linder, M.D.
Nancy E. McKnight, M.D.
Julie C. Sandruck, M.D.

Clinical Assistant

Wendy M. Featherstone, P.T.

CLINICAL FACULTY AT HIGHLAND, ROCHESTER GENERAL AND OTHER AREA HOSPITALS

Clinical Professor Emeritus

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

Clinical Associate Professor

Richard C. Cherkis, M.D.
Rita A. Clement, M.D.
Marc H. Eigg, M.D.
Michael L. Jacobs, M.D. (retired 6/30/13)
Albert P. Jones, Jr., M.D.
Rahul Laroia, M.D.
Eufemia J.A. Mariano, M.D.
Coral L. Surgeon, M.D.
Derek J. tenHoopen, M.D. (effective 6/1/13)
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.
Jeanne E. Grove, D.O. (retired 12/31/12)
Rosalind A. Hayes, M.D.

Jacquelyn Cullen Howitt, M.D.
Waldemar Klimek, D.O.
Oona Lim, M.D.
Elizabeth D. Morningstar, M.D.
Patricia M. Newcomb, M.D.
Edward B. Ogden, M.D.
Roger M. Olander, M.D.
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.
Donald J. Gabel, M.D. (retired 6/30/13)
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.
Sraddha S. Prativadi, M.D.
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. (effective 12/1/12)
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

Brandy Becker, MD
Women's Health Specialist
3498 NW Federal Highway
Jensen Beach, FL 34987-4441

Jennifer Myers, MD
North Clinic
9825 Hospital Dr. Suite 300
Maple Grove, MN 55369

Holly Stevens, MD
St. Luke's Ob/Gyn
100 East Idaho St. Suite 302
Boise, ID 83712

Susan Bradford, MD
Women's Care in Ob/Gyn
6 Carpenter Lane
Saratoga Springs, NY 12866

Maureen Perdue, DO
St. Mary's Health System
Women's Health Associates
330 Sabattus St.
Lewiston, ME 04240

Natalie Whaley, MD
John's Hopkins – Bayview
4940 Eastern Ave.
Baltimore, MD 21224

Leigh Koidahl, MD
Southdale Ob/Gyn Consultants
3625 W. 65th, Suite 100
Edina, MN 55435

Christopher Schwartzenburg, MD
Valley Women's Healthcare Clinic
1 East Main St. Suite 100
Auburn, WA 98002

PGY4 (2013/2014)

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

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

Smitha Vilasagar, MD

PGY3 (2013/2014)

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

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

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

PGY2 (2013/2014)

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

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

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

INTERNS (2013/2014)

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

FACULTY ACTIVITIES

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2012 - June 30, 2013

ADMINISTRATIVE ACTIVITIES

Cynthia L. Angel, M.D.

Hospital and Medical School:

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

Community:

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

Emily S. Barrett, Ph.D.

Hospital and Medical School:

1. Departmental 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. Co-Director, MIGS Fellowship
2. Chair, GYN OR Committee

Sarah J. Betstadt, M.D.

Hospital and Medical School:

1. Medical Staff Council
2. Patient Family Centered Care (Ob/Gyn representative to leadership committee)
3. Junior Women's Faculty Group
4. Course Coordinator, OBG 622, Fourth Year Family Planning Elective
5. Mentor, Medical Students For Choice summer externship
6. Course Coordinator, Primary Care Clerkship, ambulatory curriculum on contraception and abortion for second year medical students
7. Multiple resident lectures and Medical Student for Choice Lectures

Bala Bhagavath, M.D.

Hospital and Medical School:

1. Coordinated the effort to successfully obtain COEMIG designation
2. Chair of Steering committee for MIGS
3. Established the UPMC fibroid center
4. Director of the Fellowship in Minimally Invasive Surgery Program
5. Co-chaired the effort to create a regular Simulation Course for residents

National/International:

1. Editor, Society for Reproductive Surgeons Newsletter
2. Contributed to the creation of AAGL's 'Essentials in Minimally Invasive Gynecology' cognitive and skills assessment test.

Adrienne D. Bonham, M.D.

Hospital and Medical School:

1. Division Director of General Gynecology and Obstetrics
2. Associate Residency Director Obstetrics and Gynecology

Gunhilde Buchsbaum, M.D.

Hospital and Medical School:

1. Division Director of Urogynecology
2. Fellowship Director of Female Pelvic Medicine and Reconstructive Surgery
3. Associate Chair for Academic Affairs
4. SMH Robotic Surgery Committee
5. Minimally Invasive Gynecologic Surgery (MIGS) Steering Committee
6. Chair of CME course "The Uniqueness of Women's Health"

Community:

1. "Break Free From PFDs" community event educating women on incontinence as part of bladder health week
2. CME Course Director: "The Uniqueness of Women's Health", University of Rochester Medical Center 2013

National/International:

1. CME Course Director: "Vaginal Surgery under Local Anesthesia", International Continence Society meeting in Beijing, 2012
2. Peer Reviewer:
 - a. American Journal of Obstetrics & Gynecology
 - b. Anesthesia & Analgesia
 - c. Archives of Gynecology and Obstetrics
 - d. European Journal of Anaesthesiology
 - e. European Journal of Obstetrics & Gynecology and Reproductive Biology
 - f. International Urogynecology Journal

- g. Neurourology and Urodynamics
- h. Obstetrics & Gynecology

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

Hospital and Medical School:

- 1. HH medical executive committee
- 2. SMH/HH Joint Credentialing and Privileging Committee

Community:

- 1. Vice –Chair NYS Board of Midwifery

National/International:

- 1. Midwifery Business Institute
- 2. Medical Student Education Caucus of the American College of Nurse-Midwives

Brent DuBeshter, M.D.

Hospital and Medical School:

- 1. Director of Division of Gynecologic Oncology
- 2. Board of Directors, Highland Hospital
- 3. QA Committee, Highland Hospital
- 4. Oncology Therapeutics Committee, Wilmot Cancer Center

National/International:

- 1. Coding Committee, Society of Gynecologic Oncology
- 2. Reviewer, Gynecologic Oncology

Erin E. Duecy, M.D.

Hospital and Medical School:

- 1. Associate Chair, Education Program Director, OB-GYN Residency University of Rochester Medical Center
- 2. Director, Surgical Simulation OB-GYN Residency Program University of Rochester Medical Center Development & implementation of curriculum, evaluation.
- 3. Faculty Facilitator, Outpatient Urogynecology Rotation - Ob-Gyn residents - Urology residents - Family Medicine residents - Visiting residents & students. Development of curriculum, teaching, evaluations.

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

Hospital and Medical School:

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

Community:

1. Speaker at MOD Mothers to be breakfast

Constantino Fernandez, M.D.

Hospital and Medical School:

1. Preceptor for:
 - a. Spanish-Pediatric-Obstetrics and Gynecology mini Fellowship for Medical Students
 - b. Interns, Residents, Medical Students, Nurses and Physician Assistants in OB/GYN programs.
 - c. Internal Medicine Women's Health elective
2. Community Advisory Council
3. Community Advisory Council human trafficking and domestic violence
4. Latino Health Coalition for improving the health of Hispanics, decrease health disparities, health literacy and preventive medicine
5. FLSA 2020 Performance commissions to avoid emergency room visits, hospital readmissions and post emergency room follow up with primary care physicians using case managers.

Community:

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

National/International:

1. OB/GYN Volunteer Physician. International Medical Alliance (IMA) Medical Mission to Chontales and Esteli, Nicaragua
2. National Hispanic Medical Association
 - a. Membership Committee
 - b. Conference Committee Organizer
3. Congress of OB/GYN
4. ACOG Congressional Leadership Conference
5. 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. International Society for the Study of Vulvovaginal Disease (ISSVD) Research Committee – Chair
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. Operations Director of University OB/GYN
2. Clinical gynecology provider at Monroe Community Hospital

Tara L. Gellasch, M.D.

Hospital and Medical School:

1. Director of the URMW Women's Health Center at Lattimore
2. SCOPE/NCQA Planning Meetings for Lattimore
3. Quality Assurance Council Meetings
4. Department Leadership meetings
5. General Committee on Resident Education
6. Optimization eRecord meetings
7. My Chart Advisory Council
8. Junior Women's Faculty Committee
9. Primary Investigator for Grant with Ellen Poleshuck on the Prenatal Care Group Project at the Women's Health Center at Lattimore
10. Co-Investigator PCORI Grant: Patient Priorities and Community Context: Navigation for Disadvantaged Women with Depression

J. Christopher Glantz, M.D.

Hospital and Medical School:

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

Community:

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

National/International:

1. General OBGYN board examiner, American Board of Obstetricians and Gynecologists
2. March of Dimes “Big 5” Committee on Prematurity Prevention
3. ACOG District II Task Force on Elective Delivery <39 Weeks, 2011-present
4. ACOG District II Safe Motherhood Initiative, 2013
5. Editorial Consultant for:
 - a. Birth
 - b. Obstetrics and Gynecology
 - c. American Journal of Obstetrics and Gynecology
 - d. BMC Health Services Research
 - e. Journal of Maternal-Fetal and Neonatal Medicine

Amy R. Harrington, M.D.

Hospital and Medical School:

1. 3rd year clerkship site coordinator

Diane M. Hartmann, M.D.

Hospital and Medical School:

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

National/International:

1. Invited Member ACGME Clinical Learning Environment Review (CLER) Committee,
2. Invited Member AAMC Advisory Panel on Medical Education
3. Invited Participant 2011 Josiah Macy, Jr. Foundation Conference, “Reforming Graduate Medical Education to Meet the Needs of the Public.”
4. Steering Committee Member, Obstetrics and Gynecology Milestone Group, Co-Sponsored by the ACGME, ACOG, and ABOG.
5. Chair, Council on Residency Education in Obstetrics and Gynecology
6. Board of Directors Member, American Board of Obstetrics and Gynecology
7. Chair, Maintenance of Certification Committee, American Board of Obstetrics and Gynecology
8. Residency Review Committee Member, ACGME RRC for Obstetrics/Gynecology
9. Executive Council Member, Council on Resident Education in Obstetrics and Gynecology
10. Council on Resident Education in Obstetrics and Gynecology representative to the

- Organization of Program Directors (OPDA) of the Council of Medical Specialty Societies (CMSS).
11. Oral Board Examiner, American Board of Obstetrics and Gynecology
 12. Chair “Road to Maintaining Excellence” program - Office Practice Section - American College of Obstetrics and Gynecology
 13. Chair of Task Force on Competency Based Education, Council on Resident Education in Obstetrics and Gynecology
 14. GME Leadership Development Course Design Team Member, American Association of Medical Colleges
 15. Governor’s Appointment, New York State Council on Graduate Medical Education (COGME)
 16. Faculty for Program Directors' School, Council on Resident Education in Obstetrics and Gynecology
 17. Advisory Board, UPDATE: Continuing Education for the Obstetrician/Gynecologist, American College of Obstetrics and Gynecology

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

National/International:

1. Membership Committee of the North American Menopause Society

Kathleen M. Hoeger, M.D.

Hospital and Medical School:

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

National/International:

1. Endocrine society Clinical practice guidelines committee for PCOS
2. Member of the FDA, Special Advisory Committee for Reproductive Health Drugs
3. Editorial Board Member:
 - a. Fertility & Sterility
 - b. Obstetrical & Gynecological Survey

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

Hospital and Medical School:

1. ACE committee, Ob/Gyn Residency

National/International:

1. Chairman of the Board, International Pelvic Pain Society
2. Vice-President, Board of Council of Gynecologic Endoscopy
3. Board of Directors, International Society of Gynecologic Endoscopy

4. Advisory Board, AAGL
5. Editorial Board, Journal of Minimally Invasive Gynecology
6. PROLOG committee, ACOG
7. Medical Advisory Board, Interstitial Cystitis Association

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

Hospital and Medical School:

1. HH FMC Clinical Service Quality Committee

Vivian Lewis, M.D.

Hospital and Medical School:

1. Clinical Translational Science Institute- Chair of Mentor Development Committee
2. Clinical Translational Science Institute- Member Education and Training Directorate
3. URMC- Diversity strategic planning committee

Community:

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

National/International:

1. Data Safety Monitoring Board- for NICHD Reproductive Medicine Network
2. Executive Leadership in Academic Medicine (ELAM) at Drexel University College of Medicine- selection committee

Morton W. Miller, Ph.D.

National/International:

1. National Council on Radiation Protection and Measurements (NCRP). Staff Consultant.

Richard K. Miller, Ph.D.

Hospital and Medical School:

1. Associate Director, SMH Clinical Laboratories
2. Director, Perinatal Environmental/Drug Consultation Service (PEDECS)

National/International:

1. Chair, Research Funding Committee, Society of Toxicology
2. Chair, ENTIS-OTIS International Research Committee
3. Scientific Advisory Board TERIS (Teratology Information Review Electronic

- Information System)
4. Pregnancy and Neonate Sub Committee of the NIH-WHO Committee on Health Burden of Indoor Air Pollution (IAP) on Women and Children in Developing Countries.
 5. Scientific Advisory Board, US National Ribavirin Pregnancy Registry
 6. Scientific Advisory Board, US National MotHER Pregnancy Registry
 7. Editor, Journal of Pregnancy

Shawn P. Murphy, Ph.D.

Hospital and Medical School:

1. Faculty Performance Committee

Katrina F. Nicandri, M.D.

Hospital and Medical School:

1. Gyn QA Chief
2. Assistant Director of the Ambulatory OB/GYN 4th year Elective
3. Department of OB/GYN Morbidity and Mortality Coordinator
4. Minimally Invasive Gynecologic Surgery (MIGS) committee

Tulin Ozcan, M.D.

Hospital and Medical School:

1. Director of Special Care Clinic
2. Director of Obstetric and Gynecological Ultrasound Laboratory

C. Jeanne Peterson, M.S.

Hospital and Medical School:

1. Program Coordinator, Reproductive Genetics, OBGYN
2. Coordinator, Rochester Regional Maternal Serum Screening Program, OBGYN/Pathology and Laboratory Medicine
3. Author/Clinical Liaison, Finger Lakes Region NY State Genetics Services Grant, OBGYN/Pediatrics/Medicine
4. Prenatal Diagnosis Committee

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

Community:

1. FF Thompson Hospital Perinatal Outreach

National/International:

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

Colby A.H. Previte, M.D.

Hospital and Medical School:

1. OB/GYN Third Year Clerkship Director
2. Site Coordinator, Third Year OB/GYN Clerkship, Highland Hospital
3. Director of Women's Health portion of Primary Care Clerkship
 - a. Didactic instructor
 - b. Breast and Pelvic examination instructor
4. Instructor of the Female Anatomy portion of the introduction to Female Genitourinary system to first year medical students
5. Instruction Committee Member
6. Medical Education Pathway Mentor to Emilie Wasserman, URSMD Class of 2013
7. Medical Director, Community OB/GYN of Highland Hospital
8. Annual lecturer: "Teaching, Learning, and Feedback," OB/GYN resident lecture series
9. Team Leader, Highland Hospital Labor and Delivery Kaizen Committee.
10. Highland Hospital Residency Site Liaison, URM, OB/GYN Residency Program.
11. Building and Planning Committee for 909 Culver Road, new site for clinical practice.
12. Highland Hospital Department of OB/GYN Operations Committee
13. Advisory Committee on Education (Executive and General Committees), Department of OB/GYN

Community:

1. Rochester Institute of Technology, Adjunct instructor, Site Coordinator of OB/GYN clerkship
2. Dedham Country Day School Alumni Council member

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

Hospital and Medical School:

1. Director, Oocyte Donation Program, Division of Reproductive Endocrinology
2. Director, Andrology, Strong Fertility Center
3. Director, Preimplantation Genetic Diagnosis
4. Director, In-Vitro Fertilization Program, Strong Fertility and Reproductive Science Center
5. Education Committee
6. Teaching:
 - a. Faculty Advisor: Ob/Gyn Student Interest Group. Coordinate monthly lectures to 1st and 2nd year students. Arrange early clinical exposure to our field via “shadowing” program. Foster interest in Ob/Gyn for URMC medical students. Since starting this project, the number of students who choose Ob-Gyn residencies at URMC has more than doubled.
 - b. Clerkship Director, Obstetrics and Gynecology 620: Reproductive Endocrinology
 - c. Lecturer:
 1. Reproduction Section. Disease Processes and Therapeutics 2
 2. “Choosing Sperm, Choosing Eggs.” Molecules to Cells
 3. Basic Science Course: Fertilization and Human Embryo Implantation. From Genes to Generations. Double Helix Curriculum
 4. ACE Clerkship Curriculum. Department of Obstetrics and Gynecology
 5. Internal Medicine Residents, Core Curriculum

National/International:

1. Medical Advisory Board, Jones Institute for Reproductive Medicine, Norfolk, VA.
2. Communications Committee, ACOG District 2
3. Course Faculty, ACOG CPT Coding Course
4. Mentor and Invited Speaker, Society of Reproductive Endocrinology and Infertility Fellows Retreat. Park City, Utah. August 1-5, 2012.
5. Ad hoc Editor, *Fertility and Sterility*
6. Reviewer/Referee, *Obstetrics and Gynecology*
7. External reviewer, *American Journal of Obstetrics and Gynecology*
8. External reviewer, *Journal of Reproductive Medicine*,
9. PROLOG Committee, ACOG, Washington, DC.
10. Chairman, CPT/Coding Committee, American Society for Reproductive Medicine, Birmingham, AL.
11. Consultant, CPT/Coding Committee, American Society for Reproductive Medicine, Birmingham, AL.
12. Speaker’s Bureau, Schering-Plough, Schering Corporation, Kenilworth, NJ.
13. Mentor, ACOG Mentor Program.
14. CPT Advisory Committee, American Medical Association. Chicago, IL.
15. Sub-specialty Liaison, CPT/Coding Committee, American College of Obstetrics and Gynecology, Washington, DC.

Neil S. Seligman, M.D.

Hospital and Medical School:

1. OB Quality Assurance Chair
2. OB Quality Assurance Council Participant

Rajesh K. Srivastava, Ph.D.

Hospital and Medical School:

1. As an off-site laboratory director for Andrology lab, I was involved in setting up ongoing QC program to compare the random samples assessment at Strong Fertility Center- Andrology lab and in Clinical Pathology in an effort to get the lab in Clinical Pathology accredited by NYS-DOH.

Christopher J. Stodgell, Ph.D.

Hospital and Medical School:

1. Vice Chair, Institutional Animal Care, Use Committee (IACUC)
2. Medical School Admissions Committee
3. Faculty Senate

National/International:

1. Teratology Strategic Planning Committee
2. Member Congressionally Directed Medical Research Program's Autism Research Program

Loralei L. Thornburg, M.D.

Hospital and Medical School:

1. Executive Committee Member, Academic Research Tract (ART)
2. Director, Obstetrical Educational Simulation Responsible for preparation and development of simulation days and interdisciplinary case education of ob/gyn, emergency room and anesthesia residents in obstetrical events.
3. Education Committee Maternal-Fetal Medicine Fellowship program (Responsible for development of the educational program for the MFM fellowship including lectures, clinical rotations, research support and project development.)
4. Director Resident research ob/gyn (Oversees the resident research program including monthly meetings with the residents regarding research, discussions with individual residents and faculty to facilitate project development, conflict resolution and communication facilitation between faculty and residents, development and maintenance of online materials and curricula for residents to develop individual research projects.)

Community:

1. Steering Committee, Finger Lakes Regional Perinatal Data
2. Board Member & Finger Lakes Regional Representative- New York State Perinatal Association
 - a. Statewide organization to advocate for excellence in perinatal health.

- b. Executive committee- Secretary
- c. Committees:
 - 1. Conference development (Co-Chair 2013 conference; Chair 2014 conference)
 - 2. Website/electronic/Social media development.

National/International:

- 1. Perinatal Quality Foundation, Member Research and Innovation & Education Committees.
 - a. Responsible of development of research related to the NTQR data, NIPD, and evaluation of project requests from outside researchers using that data.
- 2. Society for Maternal-Fetal Medicine, Education committee member; M in MFM committee member; Literature Review Committee
 - a. Group to develop and evaluated educational content of the SMFM website and engagement of MFM fellows.

Wendy S. Vitek, M.D.

Hospital and Medical School:

- 1. Director of Fertility Preservation, Strong Fertility Center
- 2. Men and Women's Health Block leader for second year medical student course Disease Process and Therapeutics

Ronald W. Wood, Ph.D.

Hospital and Medical School:

- 1. Responsible for Vevo 770 high resolution small animal ultrasound laboratory
- 2. Technical Contact for Amira site license, a 3D image analysis suite
- 3. Urogynecology Fellowship mentor

National/International:

- 1. Executive Board and electronic communications officer (and a past president) of the Division of Psychopharmacology and Substance Abuse of the American Psychological Association

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

Hospital and Medical School:

- 1. ACOG Advisory Council/ACOG Patient Safety Committee
- 2. Advisory Committee on Education (ACE) – Obstetrics & Gynecology
- 3. Clinical Chiefs
- 4. Clinical Quality Subcommittee
- 5. Chair of Council of Clinical Chairs
- 6. MCIC OB Clinical Leadership Committee

7. MEDSAC
8. MEDSAC Steering Committee
9. Strong Credentials Committee
10. URMFG Executive Committee
11. URMFG Q1 Subcommittee

Community:

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

National/International:

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

GRANT SUPPORT

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

Investigator **Betstadt, Sarah J**
Sponsor Anonymous 113
Project Title Kenneth J. Ryan Residency Training Program in Abortion and Family Planning
Budget Period 09/01/12 - 10/31/12
Total Current \$ \$0
Anticipated Period 09/01/10 - 10/31/12
Total Ant. \$ \$80,003

Investigator **Bonham, Adrienne D**
Sponsor Mae Stone Goode
Project Title Novel therapies for the treatment of genital pain
Budget Period 01/01/13 - 12/31/13
Total Current \$ \$0
Anticipated Period 01/01/13 - 12/31/13
Total Ant. \$ \$15,000

Investigator **Buchsbaum, Gunhilde**
Sponsor Mae Stone Goode
Project Title Ultrasound Findings of Urethral Sphincter Complex in Women With and Without Stress Urinary Incontinence: A Case Control Study
Budget Period 01/01/13 - 12/31/13
Total Current \$ \$0
Anticipated Period 02/01/05 - 12/31/13
Total Ant. \$ \$10,068

Investigator **Doyle, Paula J**
Sponsor Mae Stone Goode
Project Title Prevention of acute radiation cystitis with intravesical chondroitin sulfate
Budget Period 01/01/13 - 12/31/13
Total Current \$ \$9,483
Anticipated Period 01/01/13 - 12/31/13
Total Ant. \$ \$9,483

Investigator **Foster, David C**
Sponsor Mae Stone Goode
Project Title Prevalence of epithelial to mesenchymal transition resulting from steroid treatment of Vulvar Lichen Sclerosus and Lichen Planus
Budget Period 01/01/13 - 12/31/13
Total Current \$ \$0
Anticipated Period 01/01/10 - 12/31/13
Total Ant. \$ \$12,765

Investigator **Foster, David C**
Sponsor DHHS/PHS/NIH/University of Tennessee 5R01HD065740-03
Project Title A Controlled Trial of Gabapentin in Vulvodynia: Biological Correlates of
Budget Period Response
Total Current \$ 03/01/2013 – 02/28/2014
Anticipated Period \$150,326
Total Ant. \$ 03/01/2011 – 02/28/2015
\$524,292

Investigator **Foster, David C**
Sponsor DHHS/PHS/NIH 1R01HD069313-01A1
Project Title Localized vulvodynia pathogenesis: fibroblast, yeast & melanocortin
Budget Period 08/01/12 - 07/31/13
Total Current \$ \$313,130
Anticipated Period 08/01/12 - 07/31/17
Total Ant. \$ \$1,580,030

Investigator **Gellasch, Tara L**
Sponsor Genesee Valley Medical Foundation
Project Title Caring for growing families: a multidisciplinary approach to group prenatal care
in a community Ob/Gyn clinic
Budget Period 04/01/13 - 03/31/14
Total Current \$ \$4,670
Anticipated Period 04/01/13 - 03/31/14
Total Ant. \$ \$4,670

Investigator **Glantz, John Christopher**
Sponsor New York State Department of Health
Project Title New York State Perinatal Database - Fingerlakes Perinatal Region
Budget Period 04/01/13 – 03/31/14
Total Current \$ \$181,823
Anticipated Period 04/01/09 – 03/31/14
Total Ant. \$ \$915,232

Investigator **Griffin, Adam M**
Sponsor Mae Stone Goode
Project Title Effects of Exogenous Antioxidants on Cyclophosphamide-induced Ovarian
Toxicity
Budget Period 04/01/13 - 12/31/13
Total Current \$ \$0
Anticipated Period 03/16/11 - 12/31/13
Total Ant. \$ \$15,000

Investigator **Harrington, Amy R**
Sponsor American College of Obstetrics & Gynecology
Project Title Bedsider contraceptive care
Budget Period 07/01/12 - 02/28/13
Total Current \$ \$10,000

Anticipated Period 07/01/12 - 02/28/13
Total Ant. \$ \$10,000

Investigator **Ho, Monique**
Sponsor Mae Stone Goode
Project Title Culture and Differentiation of Second Trimester Amniotic Fluid-Derived Stem Cells
Budget Period 04/01/13 - 12/31/13
Total Current \$ \$0
Anticipated Period 02/14/08 - 12/31/13
Total Ant. \$ \$45,000

Investigator **Hoeger, Kathleen M**
Sponsor Rochester Clinical Research, Inc.
Project Title Repros study semen analysis
Budget Period 04/01/13 - 10/31/13
Total Current \$ \$9,434
Anticipated Period 04/01/13 - 10/31/13
Total Ant. \$ \$9,434

Investigator **Lewis, Vivian**
Sponsor DHHS/PHS/NIH
Project Title Researcher Resilience through Multidimensional Mentoring
Budget Period 09/30/12 – 09/30/13
Total Current \$ \$1,986,573
Anticipated Period 09/30/10 – 08/31/13
Total Ant. \$ \$1,986,573

Investigator **Miller, Richard Kermit**
Sponsor US-Israel Binational Science Foundation
Project Title Genetic and environmental factors in Fetal Growth Restriction: a rat model
Budget Period 10/01/12 - 09/30/13
Total Current \$ \$0
Anticipated Period 10/01/08 - 09/30/13
Total Ant. \$ \$35,942

Investigator **Miller, Richard Kermit**
Sponsor Mae Stone Goode
Project Title Human placental toxicity of bisphenol: a pilot study
Budget Period 01/01/13 - 12/31/13
Total Current \$ \$0
Anticipated Period 01/01/10 - 12/31/13
Total Ant. \$ \$17,141

Investigator **Murphy, Shawn P**
Sponsor DHHS/PHS/NIH 5 R01 HD056183-04
Project Title Immune Gene Regulation in Human Trophoblast Cells
Budget Period 07/01/12 - 06/30/13
Total Current \$ \$304,686

Anticipated Period 09/10/09 - 06/30/14
Total Ant. \$ \$1,255,667

Investigator **Murphy, Shawn P**
Sponsor DHHS/PHS/NIH 1R01 AI 101049-01
Project Title Mechanisms of placental infection by food-borne pathogens
Budget Period 07/15/12 - 06/30/13
Total Current \$ \$458,845
Anticipated Period 07/15/12 - 06/30/17
Total Ant. \$ \$2,122,992

Investigator **Murphy, Shawn P**
Sponsor Mae Stone Goode
Project Title ChemiDoc MP Imaging System
Budget Period 01/01/13 - 12/31/13
Total Current \$ \$24,535
Anticipated Period 01/01/13 - 12/31/13
Total Ant. \$ \$24,535

Investigator **Ozcan, Safinaz Tulin**
Sponsor Mae Stone Goode
Project Title The Impact of Sera from Women with Inherited Thrombophilia and Adverse Pregnancy Outcome on Extravillous Trophoblast Differentiation
Budget Period 07/01/12 - 12/31/12
Total Current \$ \$0
Anticipated Period 01/01/05 - 12/31/12
Total Ant. \$ \$10,000

Investigator **Pressman, Eva K**
Sponsor University of Washington/NIH
Project Title Genetics and the Environment Associated with Male Reproduction (GEAR)
Budget Period 08/01/12 - 07/31/13
Total Current \$ \$6,137
Anticipated Period 08/18/11 - 07/31/13
Total Ant. \$ \$12,095

Investigator **Pressman, Eva K**
Sponsor Cornell University / Gerber Foundation
Project Title Determinants of neonatal iron homeostasis in women carrying multiples
Budget Period 06/01/13 - 05/31/14
Total Current \$ \$80,530
Anticipated Period 07/21/11 - 05/31/14
Total Ant. \$ \$205,883

Investigator **Pressman, Eva K**
Sponsor Cornell University/USDA
Project Title Vitamin D status impacts inflammation and risk of infections during pregnancy
Budget Period 01/15/13 - 01/14/14
Total Current \$ \$78,703

Anticipated Period 01/15/12 - 01/14/14
Total Ant. \$ \$206,890

Investigator **Pressman, Eva K**
Sponsor Mt. Sinai School of Medicine / DHHS/PHS/NIH
Project Title The Infant Development and the Environmental Study (TIDES)
Budget Period 06/01/13 – 05/31/14
Total Current \$ \$18,310
Anticipated Period 08/15/09 – 05/31/14
Total Ant. \$ \$575,315

Investigator **Pressman, Eva K**
Sponsor Mt. Sinai School of Medicine
Project Title The Infant Development and Environment Study (TIDES - Girls Supplement 2)
Budget Period 07/01/12 - 06/30/13
Total Current \$ \$5,000
Anticipated Period 07/01/12 - 06/30/14
Total Ant. \$ \$10,000

Investigator **Pressman, Eva K**
Sponsor Mae Stone Goode
Project Title The course & outcome of pregnancy and delivery in women with nondystrophic myotonias
Budget Period 01/01/13 - 12/31/13
Total Current \$ \$15,000
Anticipated Period 01/01/13 - 12/31/13
Total Ant. \$ \$15,000

Investigator **Stahlhut, Richard W**
Sponsor DHHS/PHS/NIH 5 RC2 ES018736-02
Project Title Prenatal Bisphenol A and Sexually Dimorphic Neurodevelopment
Budget Period 08/01/12 - 02/28/13
Total Current \$ \$0
Anticipated Period 09/27/09 - 02/28/13
Total Ant. \$ \$1,528,307

Investigator **Stahlhut, Richard W**
Sponsor Mae Stone Goode
Project Title The association between prenatal phthalate exposure and childhood asthma symptoms
Budget Period 04/01/13 - 12/31/13
Total Current \$ \$0
Anticipated Period 03/16/11 - 12/31/13
Total Ant. \$ \$15,000

Investigator **Stahlhut, Richard W**
Sponsor Passport Foundation
Project Title Concentrations of unmetabolized bisphenol A in central vs subcutaneous fat in adult decedents at autopsy

Budget Period 01/01/13 - 12/31/13
Total Current \$ \$0
Anticipated Period 12/01/11 - 12/31/13
Total Ant. \$ \$26,390

Investigator **Stodgell, Christopher J**
Sponsor Mae Stone Goode
Project Title Gene Expression in Neural Tube Defects: Studies in the Cohen Rat Model
Budget Period 10/01/12 - 03/31/13
Total Current \$ \$0
Anticipated Period 04/01/07 - 03/31/13
Total Ant. \$ \$45,000

Investigator **Stodgell, Christopher J**
Sponsor Mae Stone Goode
Project Title Gene-Environment Interactions in Teratogen-Induced Autism
Budget Period 01/01/13 - 12/31/13
Total Current \$ \$0
Anticipated Period 01/01/10 - 12/31/13
Total Ant. \$ \$28,208

Investigator **Stodgell, Christopher J**
Sponsor Mae Stone Goode
Project Title Gene Expression in Neural Tube Defects: Studies in the Cohen Rat Model
Budget Period 04/01/13 - 12/31/13
Total Current \$ \$0
Anticipated Period 04/01/07 - 12/31/13
Total Ant. \$ \$45,000

Investigator **Stodgell, Christopher J**
Sponsor Mae Stone Goode
Project Title Training in statistical genetics
Budget Period 01/01/13 - 12/31/13
Total Current \$ \$0
Anticipated Period 01/01/10 - 12/31/13
Total Ant. \$ \$3,000

Investigator **Thornburg, Loralei Lacina**
Sponsor Mae Stone Goode
Project Title Postpartum testing for diabetes mellitus in women with gestational diabetes mellitus
Budget Period 01/01/13 - 12/31/13
Total Current \$ \$0
Anticipated Period 01/01/10 - 12/31/13
Total Ant. \$ \$12,000

Investigator **Wood, Ronald Wesley**
Sponsor Mae Stone Goode
Project Title Novel Methods for the Study of Murine Voiding Dysfunction and Pelvic

Budget Period Anatomy
Total Current \$ 04/01/13 - 12/31/13
Anticipated Period \$0
Total Ant. \$ 02/14/08 - 12/31/13
\$10,000
Novel Methods for the Study of Murine Voiding Dysfunction and Pelvic
Anatomy

Investigator **Wood, Ronald Wesley**
Sponsor SUNY Upstate Medical University/NIH
Project Title Genetics of Spontaneous Pelvic Organ Prolapse in the Mouse
Budget Period 07/01/12 - 06/30/13
Total Current \$ \$6,000
Anticipated Period 07/01/09 - 06/30/13
Total Ant. \$ \$213,326

Investigator **Wood, Ronald Wesley**
Sponsor Mae Stone Goode
Project Title New approaches to interstitial cystitis and pelvic pain disorders
Budget Period 01/01/13 - 12/31/13
Total Current \$ \$15,000
Anticipated Period 01/01/13 - 12/31/13
Total Ant. \$ \$15,000

Investigator **Zozzaro-Smith, Paula E**
Sponsor Mae Stone Goode
Project Title Imaging of the placental vascular network in normal vs. preeclamptic
pregnancies
Budget Period 01/01/13 - 12/31/13
Total Current \$ \$12,648
Anticipated Period 01/01/13 - 12/31/13
Total Ant. \$ \$12,648

HONORS AND AWARDS

Emily S. Barrett, Ph.D.

1. Elected as a member of the URM Environmental Health Sciences Center (EHSC)

Amy R. Benjamin, M.D.

1. Recognition of outstanding patient satisfaction scores (Apr 2012-Mar 2013)
Strong Star May 2013

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

1. Nominee from the University of Rochester School of Medicine and Dentistry for the national award: Arthur P. Gold Humanism in Medicine Award, 2013. First female nominee from the University of Rochester.

Gunhilde Buchsbaum, M.D.

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

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

1. NHSC loan repayment program awardee

Constantino Fernandez, M.D.

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

Amy R. Harrington, M.D.

1. CREOG National faculty Award for Excellence in Resident Education

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

1. ASRM Star Award, October 2012

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

1. Honorary President, Egyptian Pelvic Pain Society, 2012.

Stephanie C. Laniewski, M.S.

1. Strong Star

Richard K. Miller, Ph.D.

1. Distinguished Service Award 2013 – Teratology Society
2. Fellow, Academy of Toxicological Sciences, recertification

Katrina F. Nicandri, M.D.

1. “Patient-and Family-Centered Care Top Performers Award”

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

1. America’s Top Obstetricians and Gynecologists Consumer Research Council of America, Washington, DC
2. Strong Stars Patient Recognition Awards

Ronald W. Wood, Ph.D.

1. Allowance of claims by US Patent and Trademark Office for technology UR 6-1177 “Quaternary Antimuscarinic Compounds for the Treatment of Bladder Diseases”

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

1. Award for “Top Doctor” presented by The Global Directory of Who’s Who
2. Awarded “Key to The City” by Rochester Mayor Thomas Richard

PRESENTATIONS AT NATIONAL AND REGIONAL MEETINGS

Emily S. Barrett, Ph.D.

1. “Measuring anogenital distance in adult women, descriptive statistics, and quality control” for the International Society for Environmental Epidemiology in Columbia, SC, August 2012.
2. “Stress as an Endocrine Disruptor: Maternal Psychosocial Stress During Pregnancy and Fetal Development” at The Collaborative on Health and the Environment (CHE) Webinar, June 6, 2013.
3. “Prenatal stress is associated with masculinized anogenital distance (AGD) in infant females” as poster presentation at the BIRCWH Scholars meeting, October 2012.

Sarah J. Betstadt, M.D.

1. Loder C, Harrington AR, Betstadt SJ: "Patient knowledge regarding emergency contraception: A randomized controlled trial comparing pamphlet versus web-based education" as an Oral Presentation, at the American College of Obstetricians and Gynecologists, Annual Clinical Meeting in New Orleans, May 2013.
2. Becker B, Betstadt SJ: “Patient Perception of the Safety of Hormonal Contraception vs. Pregnancy” as a Poster Presentation at the American College of Obstetricians and Gynecologists, Annual Clinical Meeting in New Orleans, May 2013.
3. Stevens HM, Betstadt SJ: “The PIP study: Improving rates of Postpartum IUD placement with prescheduled appointments” as a Poster Presentation at the North American Forum on Family Planning in Denver, CO, October 2012.
4. “Evidence Based Contraception for Adolescents” as Grand Rounds Speaker at the University of Rochester Medical Center Department of Obstetrics and Gynecology, September 2012.
5. “Adolescent Contraception: Birth Control and Beyond” at the University of Rochester Uniqueness of Women’s Health Conference, May 2013 .

Gunhilde Buchsbaum, M.D.

1. “Morphology of urethral sphincter complex using 3-dimension ultrasound: A feasibility study” as a poster presentation at the International Urogynecological Association 37th Annual Scientific Meeting in Brisbane, Australia, 2012.
2. “Prevalence of Pelvic Floor Disorders in Various Gynecologic Cancers” as oral poster presentation at the International Continence Society 42nd Annual Scientific Meeting in Beijing, China, October 2012.

3. “Prevalence of Pelvic Floor Disorders in Various Gynecologic Cancers” as a poster presentation at the American Urogynecologic Society 33rd Annual Scientific Meeting, 2012.
4. “Structural and functional changes in pelvic floor musculature and prediction of mode of delivery” as a poster presentation at the American Urogynecologic Society 33rd Annual Scientific Meeting in Chicago, IL, 2012.

Constantino Fernandez, M.D.

1. “The impact of complementary alternative medicine of the symptoms of asthma” at the FLHA Latino Health coalition update, Nicaragua National Hispanic medical association conference.

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

1. “Challenging clinical problems in vulvovaginal disease” at the ACOG District II annual meeting, Hyatt Regency, New York City, November 2012.
2. “Review of basic science research in vulvodynia” at NIH/NICHD in Bethesda, MD, May, 2013.

Dzhamala Gilmandyar, M.D.

1. Gilmandyar D, Roumanes D, Rebhahn J and Mosmann TR: “Automated clustering identifies a Th0 population induced by influenza vaccination in pregnant women” at the 15th International Congress of Immunology in Milan, Italy, August 2013.

J. Christopher Glantz, M.D.

1. Dye T, Wojtowycz M, Dozier A, Kaneshiro B, Bacchi D, Glantz C, Towner D: “Should Unwanted Pregnancy Be Considered a High-Risk Perinatal Condition?” (American Journal of Obstetrics and Gynecology 2013; 208(1supp):S306) as a poster presentation at Society for Maternal-Fetal Medicine 33rd Meeting, San Francisco, CA, 2013.
2. Zozzaro-Smith P, Conway C, Nagendra D, Glantz JC, Thornburg L: “Association Between Obesity During Pregnancy and the Adequacy of Prenatal Care” (American Journal of Obstetrics and Gynecology 2013; 208(1supp):S75) as a poster presentation at Society for Maternal-Fetal Medicine 33rd Meeting, San Francisco, CA, 2013.

Amy R. Harrington, M.D.

1. “Patient knowledge regarding emergency contraception and comparison of teaching techniques: A randomized controlled trial comparing ACOG paper educational pamphlets to online media from bedsider.org” presented by resident collaborator at ACOG’s Annual Clinical Meeting in New Orleans, May 2013.

Diane M. Hartmann, M.D.

1. 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, May 6, 2013.
2. The ACGME's Clinical Learning Environment Review (CLER) Program, GWU GME Retreat, Washington, DC, April 19, 2013.
3. AAMC/NBME Clinical Education Thought Leaders Meeting; Pivio Electronic Portfolio Tool Committee, Philadelphia, PA, April 1, 2013.
4. 2013 ACGME Annual Educational Conference; SES08: Specialty Update – Obstetrics and Gynecology, Orlando, FL, March 2, 2013.
5. Obstetrics & Gynecology Review Committee Update, ACGME Annual Education Conference, Orlando, FL February 28, 2013.
6. 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, February 18, 2013.
7. CLER – Clinical Learning Environment Review, CLER (CLER-RRC), Phoenix, AZ, January 14, 2013.

Kathleen M. Hoeger, M.D.

1. “Hirsutism and Polycystic Ovary” as postgraduate course faculty, Frontiers in Reproductive Endocrinology in Arlington, VA, March 2013.
2. “Clinical Guidelines for Management of PCOS” as Panel Participant, Endocrine society annual meeting in San Francisco, CA, June 2013.
3. A. Sen, R. Srivastava, K. Hoeger, S. Hammes: “Intra-follicular mechanism of leptin actions in obesity-related infertility” ENDO 2013 at the 95th Annual Meeting of the Endocrine Society in San Francisco, June 2013.

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

1. “Clinical Correlations: Evaluation and treatment of chronic abdominopelvic pain” at the 14th World Congress of the International Association for the Study of Pain in Milan, Italy, August 27, 2012.
2. “Surgical Treatment of Endometriosis” as Plenary Presentation at The Annual Meeting of the American Society of Reproductive Medicine in San Diego, CA, October 22, 2012.
3. “The Role of Laparoscopy in the Treatment of Pelvic Pain & Chronic Pelvic Pain as We Understand It Today” at the 41st Global Congress of AAGL in Las Vegas, NV, November 5, 2012.

4. Yamamoto MP, Foster K, Howard FM: “Long term outcomes after a hysterectomy for chronic pelvic pain: A pelvic pain center experience” at the 41st Global Congress of AAGL, Las Vegas, NV, November 8, 2012.
5. “Training in Chronic Pelvic Pain” at the 1st World Congress on Abdominopelvic Pain in Amsterdam, Netherlands, May 31, 2013.

Vivian Lewis, M.D.

1. Lewis V, Goodman S, Morse G: National Institute of General Medical Sciences-Interventions 2012 Progress Report Meeting. Researcher resilience through multidimensional mentoring- upstate NY. Burlingame CA, August 2012.
2. Martina CA, Lewis V: Researcher resilience through multidimensional mentoring. Annual meeting of the Society of Clinical Translational Science. Washington DC, April 2012.

Richard K. Miller, Ph.D.

1. “Obesity and Diet as Emerging Causes for Diabetes in Pregnancy” as Invited Symposium Speaker for Teratology Society Education Course at the 53rd Meeting of the Teratology Society, Tucson, Arizona, June 23-27, 2013.
2. “Lead Poisoning: The Impact on Pregnancy and the Unborn Child” as Invited Symposium Lecturer: Finger Lakes Regional Conference on Lead Poisoning Prevention, Geneva, New York, October 23, 2012.
3. “Use of the Human Placenta as a Biomarker for Environmental Exposures, Clinical, Genetics/Epigenetics, Morphology and Systems Biology Assessments in the National Children’s Study (NCS)” at Teratology Society, Tucson, Arizona, June 26, 2013.

Shawn P. Murphy, Ph.D.

1. Murphy SP: “Immune gene regulation in trophoblast cells” at the 7th Annual Human Placenta Course, Kingston, Ontario, July, 2012.

Katrina F. Nicandri, M.D.

1. “Pediatric GYN, Premature Ovarian Failure” at OB/GYN Grand Rounds, Rochester, NY, December 2012.
2. Poster Presentation at The 39th Annual Scientific Meeting of the Infectious Diseases Society for Obstetrics and Gynecology in Whistler, BC, Canada, August 2012.

Eva K. Pressman, M.D.

1. Dadiz R, Schriefer J, Weinschreider J, Arnold C, Pressman EK, Guillet R: “Obstetric and Pediatric Communication during high-risk deliveries improves with simulation-based

training” at the Annual Meeting of the Pediatric Academic Societies, Washington, DC, May 2013.

2. Whisner CM, Pressman EK, Young BE, Cooper EM, Queenan RA and O'Brien KO: "Adipocytokines and fetal fat accretion in pregnant teens" Experimental Biology, Boston, MA, April 2013.
3. Yan J, Jiang X, West AA, Perry CA, Malysheva OV, Devapatla S, Pressman E and Caudill MA: "Fetal stress markers are lowered by maternal choline intakes exceeding recommendations" Experimental Biology 2013, Boston, MA, April 2013.
4. Jaacks LM, Young MF, Essley BV, McNanley T, Cooper EM, Pressman EK, McIntyre A, Orlando MS, Abkowitz JL, Guillet R and O'Brien KO: "Maternal and neonatal iron status impact the expression of the heme transporter, FLVCR, in the placenta" Experimental Biology 2013, Boston, MA, April 2013.
5. Young MF, Griffin I, Pressman EK, McIntyre A, Cooper E, McNanley T, Harris L, Westerman M and O'Brien KO: "Non-heme and heme iron absorption during pregnancy" Experimental Biology 2013, Boston, MA, April 2013.
6. Jiang X, Yan J, West A, Perry C, Malysheva O, Bar H, Wells M, Devapatla S, Pressman E and Caudill M: "Pregnancy status and choline intake alter DNA integrity, epigenetic marks and gene expression" Experimental Biology 2013, Boston, MA, April 2013.
7. Cao C, Cooper E, Pressman E, Guillet R, O'Brien KO: "Serum Hemopexin Concentrations across Gestation Are Associated with Maternal and Neonatal Iron Status in Pregnant Adolescents" at the 60th Annual Meeting of the Society for Gynecologic Investigation, Orlando, FL, March 2013.
8. Whisner C, Pressman EK, Young BE, Cooper EM, Queenan RA, O'Brien KO: "Does Pre-Pregnancy BMI, Gestational Weight Gain and Dietary Intake in Pregnant Teens Influence Fetal Fat Accretion?" at the 60th Annual Meeting of the Society for Gynecologic Investigation. Orlando, FL, March 2013.
9. Lee S, Guillet R, Cooper E, Pressman E, Orlando M, O'Brien K: "Iron Insufficiency Is Prevalent in Pregnant Adolescents and Is Linked to Low Iron Status in Neonates at Birth" at the 60th Annual Meeting of the Society for Gynecologic Investigation. Orlando, FL, March 2013.
10. Knight K, Pressman E, Thornburg L: "Decreased sleep duration in the third-trimester is not associated with excessive gestational weight gain" at the 33rd Annual Meeting of the Society for Maternal Fetal Medicine - The Pregnancy Meeting. San Francisco, CA, February 2013.
11. Dadiz R, Guillet R, Weinschreider J, Schriefer J, Arnold C, Pressman E: "Delivery Room Communication Improves After Implementing Simulation-Based Team Training" as Poster at the 13th International Meeting on Simulation in Healthcare (IMSH, Orlando, Florida, January 2013.
12. Raizada V, Alam P, Pressman E, Mack L, Leoni L, Buchsbaum G, Ozcan T: "Measuring effect of pregnancy on pelvic floor musculature using transperineal ultrasound: A pilot

study” at the American Urologic Society 33rd Annual Scientific Meeting, Chicago, IL, October 2012.

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

1. “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, San Diego, CA. <http://www.softconference.com/asrm/sessionDetail.asp?SID=215968>
2. “Ovulation Induction”; “Manage and Prevent Complications in Laparoscopic and Hysteroscopic Surgery”; “Ectopic Pregnancy”; Evaluation and Management of Hirsutism and PCOS” at the 19th Annual Review of Obstetrics and Gynecology, Lake Buena Vista, Fla. October 24-26, 2012.
3. “Sources of Trouble: Fraud, Abuse and Denied Claims.” “2010 Documentation Guidelines.” and “Coding for Assisted Reproductive Technology Laboratories.” Post-Graduate Course, American Society for Reproductive Medicine, Annual Meeting, San Diego, CA. October 21, 2012.
4. “Evaluation and Management of Infertility and Ovulation Induction”; “Hirsutism and PCOS”; “Diagnosis, Medical and Surgical Management of Ectopic Pregnancy.” “Reproductive Endocrinology Case Reviews”, “Recurrent Pregnancy Loss”; Columbus Comprehensive Review, Columbus, OH. September 24-26, 2012.
5. “CPT coding for ART: A Day in the Life of a Reproductive Endocrinologist.” “Frequently Asked Questions for Gyn Surgery and Procedures.” SREI fellows Retreat. Park City, Utah. July 31, August 3-4, 2012.

Neil S. Seligman, M.D.

1. Klosterman K and Seligman NS: “Cervical length in women with a prior preterm birth: Does progesterone change the incidence of short cervix?” for Department of Obstetrics and Gynecology Resident Research Day, Rochester, NY, April 2013.
2. Yamamoto MP, Seligman N, Babu J, Benjamin-Pratt A: “Laparoscopic Excision and Repair of Cesarean Scar Ectopic Pregnancy” as video presentation at the American Association of Gynecologic Laparoscopists 41st Global Congress on Minimally Invasive Gynecology, Las Vegas, NV, November 2012.
3. Ehsanipoor R, Seligman N, Szymanski L, Wissinger C, Werner E, Berghella V: “Physical exam indicated cerclage versus expectant management: a systematic review and metaanalysis” as poster presentation at the Society for Maternal-Fetal Medicine 33rd Annual Meeting, San Francisco, CA, February 2013.
4. Pizzi LT, Seligman NS, Baxter JK, Jutkowitz E, Prioli KM, Mearns E, Berghella V: “Cost-Effectiveness of Vaginal Progesterone Gel in Reducing Preterm Birth: A Decision Analytic Model Based on the PREGNANT Randomized Clinical Trial” as poster presentation at the International Society for Pharmacoeconomics and Outcomes Research 18th Annual International Meeting, New Orleans, LA, March 2013.

5. "Substance Abuse During Pregnancy" for Department of Obstetrics and Gynecology Grand Rounds, Upstate Medical University, Syracuse, NY, June, 2013.

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

1. Chair of session on obesity and environmental chemicals; "Rethinking the Obesity Epidemic: Could Environmental Chemicals Be the Cause?" -Preventive Medicine 2013 at the American College of Preventive Medicine annual meeting, Phoenix, February 21, 2013.

Christopher J. Stodgell, Ph.D.

1. AR Davis, LM Anderson, CJ Stodgell, RK Miller, MA Le Pape, L Powell. A Federated Human Biorepository for Health Disparities Research. 13th RCMI International Symposium on Health Disparities, 2012.
2. Darrah TH, Campbell ME, Rinderknecht AL, Stodgell CJ, Walker CK, Szabo S, Leuthner S, Miller RK. (2012). Validation of ICP-MS for the quantitative analysis of traditional and emerging environmental toxic and nutritional metals in human placenta from the National Children's Study. Birth Defects Research A, 94(5):384, 2012.
3. Stodgell CJ, Miller RK, Penmetsa A, Ruffolo L, Busch T, et al. Gene Expression In the Human Placenta As a Function of Time: A National Children's Study Formative Research Project. Birth Defects Research A, 94(5):381, 2012.
4. RK Miller, CJ Stodgell, PJ Katzman, A Friedman, AL Rinderknecht, L Hoffman et al. Field Experience: Use of the Human Placenta as a Biomarker for Environmental Exposures, Epigenetic and Morphological Assessments in the National Children's Study (NCS), Birth Defects Research A, 94(5):383, 2012.
5. Miller RK, Stodgell CJ, Katzman PK, Friedman AE, Jamerson D, Friedman MR, et al. The National Children's Study Placental Research Consortium. Birth Defects Research A 97:330, 2013.
6. Stodgell CJ, Salamone L, Katzman PK, Ruffolo L, Murray J, Busch T. Gene expression in human placenta from the National Children's Study (NCS). Birth Defects Research A 97:331, 2013.
7. Darrah TH, White AM, Campbell ME, Miller RK, Stodgell CJ, et al. Understanding the trace metal composition of human placenta from the National Children's Study (NCS), Birth Defects Research A 97:332, 2013.
8. Teratology Society/Neurobehavioral Teratology Society Joint Symposium: Honoring the Legacy of Dr. Patricia Rodier (Symposium Co-Chair): Teratology of Autism: From Animal Models to Endophenotypes Birth Defect Research A 97:283, 2013.

Loralei L. Thornburg, M.D.

Poster Presentations:

1. Koltz P, Burhans K, Mack L, Thornburg L, Girotto J: “Can prenatal gastric size be used as a proxy for craniofacial cleft and subsequent GERD risk? “ at the 12th International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies, Lake Buena Vista, FL, May 2013.
2. Bromley B, Fuchs K, Thornburg L, Spitz J, Toland G: “Do clinical practitioners seeking credentialing for NT measurement have an understanding of biosafety? The experience of the Nuchal Translucency Quality Review (NTQR) Program” at the American Institute of Ultrasound in Medicine, New York City, April 2013.
3. Bradford S, Shaw A, Glantz JC, Thornburg LL: “Patient and practitioners perceptions of ultrasound screening in pregnancy” at the American Institute of Ultrasound in Medicine, New York City, April 2013.
4. Burhans K, Koltz P, Mack L, Girotto J, Thornburg L: “Prenatal stomach size: association with cleft lip and/or cleft palate” at the American Institute of Ultrasound in Medicine, New York City, April 2013.
5. Courtney Olson-Chen, MD, Loralei L. Thornburg, MD David N. Hackney, MD, MS: “Do increased peripheral markers of inflammation predate the occurrence of a short cervical length?” at the Society for Gynecologic Investigation Annual Meeting, Orlando FL, March 2013.
6. Thornburg LL, Duecy E, Benjamin A, Pressman EK: “Resident self-assessment as a predictor of laparoscopy simulation performance” at the CREOG and APGO annual meeting, Phoenix AZ, March 2013.
7. Thornburg LL, Duecy E, Pressman EK: “Simulation for learning obstetrical skills” at the CREOG and APGO annual meeting, Phoenix AZ, March 2013.
8. Zozzaro-Smith P, Thornburg L: “Association between obesity during pregnancy and the adequacy of prenatal care” at the Society for Maternal Fetal Medicine- Annual Scientific Meeting, San Francisco, February 2013.
9. Knight K, Pressman EK, Thornburg L: “Decreased Sleep Duration in the Third-Trimester is Not Associated with Excessive Gestational Weight Gain” at the Society for Maternal Fetal Medicine- Annual Scientific Meeting, San Francisco, February 2013.

Oral Presentations:

1. Thornburg LL, Duecy E, Pressman EK: “The relationship between simulation scoring and resident confidence when learning obstetrical skills” at the 2013 CREOG and APGO annual meeting, Phoenix, AZ, March 2013.
2. Bromley B, Fuchs K, Thornburg L, Spitz J, Toland G: “Do clinical practitioners seeking credentialing for NT measurement have an understanding of biosafety? The experience of

the Nuchal Translucency Quality Review (NTQR) Program” at the American Institute of Ultrasound in Medicine, New York City, April 2013.

Ronald W. Wood, Ph.D.

1. Nicholson T, Wood R, Levenson G, Timms B, Vom Saal F, Ricke W: “Bisphenol-A Induces Urinary Voiding Dysfunction In Adult Male Mice” Abstract: 1605 at the American Urological Association Meeting, San Diego CA, May 7, 2013.
2. Cheng J-S, Zhang Y, Wood R, Reeder J: “Visualization Of Ureteral Anatomy During Surgery Using Near Infrared Fluorescence Enhanced By Milk” Abstract: 847 at the American Urological Association Meeting, San Diego CA, May 6, 2013.
3. Byler T, Wood R, Messing E, Shapiro O, Bratslavsky G, Reeder J: “Valproic Acid Reduces Tumor Growth In A Mouse Model Of Superficial Bladder Cancer” Abstract: 598 at the American Urological Association Meeting, San Diego CA May 5, 2013.
4. Heinmiller A, Hupple C, Needles A, Theodoropoulos C and Wood RW: “In Vivo Murine Lymph Node Imaging With Multispectral Photoacoustic Technology And Clinical Contrast Agents” Abstract A454 at Experimental Biology in Boston MA, April 23, 2013.

PUBLICATIONS

Emily S. Barrett, Ph.D.

1. Barrett ES, Parlett, LE, Sathyanarayana S, Liu F, Redmon JB, Wang C, Swan SH. Prenatal exposure to stressful life events is associated with masculinized anogenital distance (AGD) in female infants. *Physiology and Behavior* (2013) 114-115: 14-20.
2. Barrett ES; Tran V; Thurston S; Jasienska GJ; Furberg AS; Ellison PT; Thune I. Marriage and motherhood are associated with lower testosterone concentrations in women. *Hormones and Behavior* (2013) 63(1): 72-9.
3. Barrett ES; Thune I; Lipson SF; Furberg AS; Ellison PT. A factor analysis approach to examining relationships among steroid concentrations, gonadotropin concentrations, and menstrual cycle length characteristics in healthy, cycling women. *Human Reproduction* (2013) 28(3): 801-11.
4. Mendiola J; Roca M; Mínguez-Alarcón L; Mira-Escolano M-P; López-Espín JJ; Barrett ES; Swan SH; Torres-Cantero AM. Anogenital distance is related to ovarian follicular number in young Spanish women: a cross-sectional study. *Environmental Health* (2012) 11:90.

Sarah J. Betstadt, M.D.

1. Murphy LA, Glantz JC, Thornburg LL, Wasserman E, Stanwood NL, Betstadt SJ. Complications of Surgical Termination of Pregnancy in Obese Versus Non-obese Women. *Contraception*, 2012; 86 (4): 402-6.
2. Betstadt SJ, Zigler R and Meier O. Baseline Understanding of Emergency Contraception Among Undergraduate Students. *Peri-Facts Academy, Gynecology Course*, April 2013. <http://www.urmc.rochester.edu/obgyn/Peri-FACTS>

Bala Bhagavath, M.D.

1. Albright CM, Frishman GN, Bhagavath B. Surgical aspects of removal of Essure microinsert. *Contraception*. 2013 Jan 2.
2. Clark LE, Bhagavath B, Wheeler CA, Frishman GN, Carson SA. Role of routine monitoring of liver and renal function during treatment of ectopic pregnancies with single-dose methotrexate protocol. *Fertil Steril*. 2012 Jul;98(1):84-8.
3. Frishman GN, Melzer KE, Bhagavath B. Ectopic pregnancy in a cesarean-section scar: the patient >6 weeks into an ectopic pregnancy, underwent local treatment. *Am J Obstet Gynecol*. 2012 Sep;207(3):238.

Gunhilde Buchsbaum, M.D.

1. Doyle PJ, Buchsbaum GM. Urinary Incontinence in Women. Strong Peri-FACTS, 2012.

Brent DuBeshter, M.D.

1. Sato H; DuBeshter B, Robins A; Angel C; Toy E; Thomas S. Does robotic surgical staging of endometrial cancer compromise outcomes?. Open Journal of Obstetrics & Gynecology. 2013; 3:41-46.
2. DuBeshter B, Angel C, Toy E, Thomas S, and Glantz JC. Current role of robotic hysterectomy. J Gynecol Surg 2013;29(4): 174-8.

Erin E. Duecy, M.D.

1. Crosby EC, Vilasagar S, Duecy EE, Flynn MK. Expectant management of cystotomy at the time of midurethral sling placement: a retrospective case series. 2013 Sep 0; 24(9):1543-6. Epub 2013 Feb 16.

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. 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.
4. Balabathula P, Wood G, Thoma LA, Brown CS, Foster DC, Bachmann GA. Stability Evaluation of Capsaicin Injection for Intradermal Administration. Abstract. American Association of Pharmaceutical Sciences, 2012 Annual Meeting, Chicago, IL, October, 2012.
5. McDonald C, Washington M, Brooks I, Brown CS, Bachmann GA, Foster DC. A Web-Based Recruiting System for Clinical Pain Trials. Abstract. American Academy of Pain Medicine 29th Annual Meeting, Fort Lauderdale, FL, April 2013.

Dzhamala Gilmandyar, M.D.

1. Cardonick E, Gilmandyar D, Somer RA. Maternal and neonatal outcomes of dose-dense chemotherapy for breast cancer in pregnancy. *Obstet Gynecol.* 2012 Dec;120(6):1267-72.
2. Cardonick E, Bhat A, Gilmandyar D, Somer R. Maternal and fetal outcomes of taxane chemotherapy in breast and ovarian cancer during pregnancy: case series and review of the literature. *Ann Oncol.* 2012 Dec;23(12):3016-23.

J. Christopher Glantz, M.D.

1. Simkin P, Stewart M, Shearer B, Glantz JC, Rooks JP, Lysterly AD, Chalmers B, Keirse MJNC. The Language of Birth (“Elective” Obstetrics). *Birth* 2012;39(2):156-164.
2. Dozier AM, Howard CR, Brownell EA, Wissler RN, Glantz JC, Ternullo SR, Thevenet-Morrison KN, Childs CK, Lawrence RA. Labor Epidural Anesthesia, Obstetric Factors and Breastfeeding Cessation. *Maternal Child Health Journal.* 2012 Jun 13. [Epub ahead of print. PMID: 22696104]
3. Glantz JC. Obstetric Variation, Intervention, and Outcomes: Doing More but Accomplishing Less. *Birth* 2012;39(4):286-290.
4. DuBeshter B, Angel C, Thomas S, Glantz JC. Current Role of Robotic Hysterectomy. *Journal of Gynecologic Surgery* 2013. [Epub ahead of print. DOI: 10.1089/gyn.2012.0113]

Diane M. Hartmann, M.D.

1. Dallasen, Renee; Mieszczyńska, Hanna, Hartmann, D., *Manual of Cardiovascular Disease in Women, Chapter Book: Effects of Hormones and Hormone Replacement Therapy on Cardiovascular Health in Women*, May 2013.

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

1. Hess, HM: “Herbs and Alternative Remedies”, Chapter 23 in: *Clinical Pharmacology in Pregnancy*. Donald R. Mattison, Editor. Academic Press, 2013.

Kathleen M. Hoeger, M.D.

1. K Nicandri, KM Hoeger. Diagnosis and treatment of PCOS in adolescents. *Current opinion in endocrinology and diabetes* 2012 Dec;19(6):497-504.
2. KM Hoeger. Obesity in Polycystic Ovary syndrome: Insulin Sensitizing Therapy. *Curr Obes Rep* 2013.

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

1. Howard FM, Berkley K. Pathophysiology, Diagnosis, and Treatment of Persistent Abdominal/Pelvic Pain. IASP. 2012.
2. Shin JH, Howard FM. Abdominal wall nerve injury during laparoscopic gynecologic surgery: incidence, risk factors, and treatment outcomes. *J Min Invasive Gynecol* 2012; 19: 448-53.
3. Howard FM. Causes of chronic pelvic pain in women. UpToDate, 2012.
4. Howard FM. Treatment of chronic pelvic pain in women. UpToDate, 2012.
5. Howard FM. Evaluation of chronic pelvic pain in women. UpToDate, 2012.
6. Howard FM. Evaluation of acute pelvic pain in women. UpToDate, 2012.
7. Yamamoto MP, Foster K, Howard FM. Long term outcomes after a hysterectomy for chronic pelvic pain: A pelvic pain center experience. *J Min Invasive Gynecol* 2012; 19: Suppl S73.

Vivian Lewis, M.D.

1. LaGuardia JG, Sharp D, Ryan RM, Lewis V. Researcher Resilience through Multidimensional Mentoring. Conference proceedings: Facilitating development relationships for success, University of New Mexico, October 2012.

Morton W. Miller, Ph.D.

1. NCRP Report No. 171. Uncertainties in the Estimation of Radiation Risks and Probability of Disease Causation. 418 pp. July 12, 2012. NCRP Committee 1-16. NCRP staff consultant Morton W. Miller.
2. Miller, Morton W. and Church, Charles C. "Arrhenius thermodynamics and birth defects: chemical teratogen synergy. Untested, testable, and projected relevance." *Birth Defects Research, Part C* (2013) 99 (1), 50-60.

Richard K. Miller, Ph.D.

1. Z. Zivanit, D. Shoashani-Dror, C. Guillemin, M. Neeman-Azulay, L. Fudim, CJ Stodgell, RK Miller, A Ornoy. The effect of copper deficiency on fetal growth and liver antioxidant capacity in the Cohen Diabetic Rat Model. *Tox. Appl. Pharm.* 265:209-20, 2012.
2. DP Misra, CM Salafia, AJ Charles, RK Miller. Placental Measurements Associated with Intelligent Quotient at Age 7 Years. *J Developmental Origins of Health and Disease*, available online 2012.

3. Nanes, JA, Xia, Y, Dassanayake, RMAPS, Li, A., Jones, RM, Stodgell, CJ, Walker, C, Szabo, S, Leuthner, S, Durkin, MS, Moye, J, Miller, RK. Persistent Selected Persistent Organic Pollutants in Human Placental Tissue from the United States, Organic Pollutants Forum, Xiamen China, May 16-19, 2013.

Shawn P. Murphy, Ph.D.

1. Gerber SA, Sedlacek AL, Cron KR, Murphy SP, Frelinger JG, Lord EM. IFN γ mediates the anti-tumor effects of radiation therapy in a murine colon tumor. *American Journal of Pathology* (2013) 182(6):2345-54.

Katrina F. Nicandri, M.D.

1. Nicandri, KF and Hoeger K. Diagnosis and treatment of polycystic ovarian syndrome in adolescents. *Reproductive Endocrinology*. December 2012, 19;6:497-504.

Tulin Ozcan, M.D.

1. Faske EJ, Mack LM, Ozcan T. Incidental finding of decidualized vesical endometriosis in an asymptomatic obstetrical patient. *J Ultrasound Med*. 2012; 31:809-11.
2. Kam Szlachetka S, Lemcke-Berno EM, Ozcan T. Prenatal Diagnosis of a Rare Gingival Granular Cell Tumor of the Fetal Mouth. *J Ultrasound Med*. 2012 31:125-127.

C. Jeanne Peterson, M.S.

1. Curtin, WM, MA Menegus, M-M Patru, CJ Peterson, LA Metlay, RA Mooney, NL Stanwood, AL Scheible and A Dorgan. Midtrimester Fetal Herpes Simplex-2 Diagnosis by Serology, Culture and Quantitative Polymerase Chain Reaction. *Fetal Diagn Ther* 2013;33:133-136.

Ellen L. Poleshuck, Ph.D.

1. Poleshuck EL, Talbot NL, Moynihan JA, Chapman BP, Heffner KL. Depressive symptoms, pain, chronic medical morbidity, and interleukin-6 among primary care patients. *Pain Medicine* (2013) 14:686-691.
2. Bair MJ, Poleshuck EL, Wu J, Krebs EK, Damush TM, Tu W, Kroenke K. Anxiety but Not Social Stressors Predict 12-Month Depression and Pain Severity. *Clinical Journal of Pain* (2013) 29:95-101,
3. Poleshuck EL, Cerrito B, Leshoure N, Finocan Kaag G, Kearney MH. Underserved women in a women's health clinic describe their experiences of depressive symptoms and why they have low uptake of psychotherapy. *Journal of Community Mental Health*, (2013) 49 (1) 50-60.

Eva K. Pressman, M.D.

1. Knight KM, Thornburg LL, Pressman EK. Pregnancy outcomes in type 2 diabetic patients as compared with type 1 diabetic patients and nondiabetic controls. *The Journal of reproductive medicine* (2012) 57(9-10):397-404.
2. Jiang X, Bar HY, Yan J, West AA, Perry CA, Malysheva OV, Devapatla S, Pressman E, Vermeulen FM, Wells MT, Caudill MA. Pregnancy induces transcriptional activation of the peripheral innate immune system and increases oxidative DNA damage among healthy third trimester pregnant women. *PloS one*. (2012) 7(11):e46736.
3. Harris-Glocker M, Thornburg LL, Pressman EK. Hermansky-Pudlak syndrome in a pregnant patient: a case report. *The Journal of reproductive medicine*. (2013) 58(5-6):267-70.
4. Jiang X, Bar HY, Yan J, Jones S, Brannon PM, West AA, Perry CA, Ganti A, Pressman E, Devapatla S, Vermeulen F, Wells MT, Caudill MA. A higher maternal choline intake among third-trimester pregnant women lowers placental and circulating concentrations of the antiangiogenic factor fms-like tyrosine kinase-1 (sFLT1). *The FASEB journal: official publication of the Federation of American Societies for Experimental Biology*. (2013)27(3):1245-53.
5. O'Connor TG, Winter MA, Hunn J, Carnahan J, Pressman EK, Glover V, Robertson-Blackmore E, Moynihan JA, Eun-Hyung Lee F, Caserta MT. Prenatal maternal anxiety predicts reduced adaptive immunity in infants." *Brain, behavior, and immunity*. (2013)32:21-8.

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

1. Queenan JT Jr: Coding Corner: Quarterly column written for ASRM News since 2001.

Book Chapters:

1. 100 Frequently Asked Questions in Obstetric and Gynecologic Coding 2012. ACOG Textbook. 2012.
2. The Essential Guide to Coding in Obstetrics and Gynecology. ACOG Textbook 2012.
3. ACOG Coding Manual. ACOG Textbook. 2012
4. Dysfunctional Uterine Bleeding. Millie Behera, John T. Queenan, Jr., Thomas Price, in *Obstetrics and Gynecology: eMedicine*. (On-line peer-review text).
5. Ovotestis. Molina Dayal, Gail Whitman-Elia, John T. Queenan, Jr. in *Obstetrics and Gynecology: eMedicine*. (On-line peer-review text).

Neil S. Seligman, M.D.

1. Seligman NS. Ultrasound for Fetal Ventriculomegaly. *Ultrasound Clinics*. (2013) 8(1):13-25.
2. Kominiarek MA, Seligman NS, Dolin C, Gao W, Berghella V, Hoffman M, Hibbard J. Gestational Weight Gain and Obesity: Is 20 Pounds Too Much? *Am J Obstet Gynecol*. (2013) E-pub ahead of print.
3. Seligman NS, Holloman C. Smoking in Pregnancy #1038. Perifaction on-line fetal monitoring and Ob/Gyn educational program. May, 2013.
4. Seligman NS, Cleary BJ, Berghella V. Buprenorphine substitution therapy in pregnancy. In: *UpToDate*, Barss V. (Ed.), *UpToDate*, Waltham, MA, 2009.
5. Sergeant DJ. "Hear of Third-Hand Smoke?" In *good Health*. August 2012. (Interview)
6. Sergeant DJ. "Safe Medication During Pregnancy." In *good Health*. April 2013. (Interview)
7. Yamamoto MP, Seligman N, Babu J, Benjamin-Pratt A. Laparoscopic Excision and Repair of Cesarean Scar Ectopic Pregnancy. *J Minim Invasive Gynecol*. (2012) 19:s121.
8. Ehsanipoor R, Seligman N, Szymanski L, Wissinger C, Werner E, Berghella V. Physical exam indicated cerclage versus expectant management: a systematic review and metaanalysis. *Am J Obstet Gynecol*. (2013) 208(1):s76.
9. Pizzi LT, Seligman NS, Baxter JK, Jutkowitz E, Prioli KM, Mearns E, Berghella V. Cost-Effectiveness of Vaginal Progesterone Gel in Reducing Preterm Birth: A Decision Analytic Model Based on the PREGNANT Randomized Clinical Trial. *Value in Health*. (2013) 16(3):a74.

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

1. Do RP, Stahlhut RW, Ponzi D, Vom Saal FS, Taylor JA. Non-monotonic dose effects of in utero exposure to di(2-ethylhexyl) phthalate (DEHP) on testicular and serum testosterone and anogenital distance in male mouse fetuses. *Reproductive toxicology* (Elmsford, N.Y.). 2012; 34(4):614-21.
2. Kobrosly RW, Parlett LE, Stahlhut RW, Barrett ES, Swan SH Socioeconomic factors and phthalate metabolite concentrations among United States women of reproductive age. *Environmental research*. 2012; 115():11-7.
3. 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* (Elmsford, N.Y.). 2013; Epub 2013 Jul 17.

Christopher J. Stodgell, Ph.D.

1. Ergaz Z, Shoshani-Dror D, Guillemin C, Neeman-azulay M, Fudim L, Weksler-Zangen S, Stodgell CJ, Miller RK, Ornoy A. The effect of copper deficiency on fetal growth and liver anti-oxidant capacity in the Cohen diabetic rat model. *Toxicol Appl Pharmacol.* (2012) Dec 1;265(2):209-20. doi: 10.1016/j.taap.2012.10.006. Epub 2012 Oct 15. PMID: 23079581
2. Curran CP, Lau C, Schellpfeffer MA, Stodgell CJ, Carney EW. The teratology society 2012-2017 strategic plan: Pushing the boundaries. *Birth Defects Res A Clin Mol Teratol.* (2013) Jan;97(1):2-7. doi: 10.1002/bdra.23109. PMID: 23307643

Loralei L. Thornburg, M.D.

Peer Reviewed Articles:

1. Gillespie S, Thornburg,L, Caprio T, Medina-Walpole A. Love Letters: An anthology of constructive relationship advice shared between junior mentees and their mentors. *Journal of Graduate Medical Education.* (2012) 4(3): 287-289.
2. Knight KM, Thornburg LL, Pressman EK. Pregnancy outcomes in type 2 diabetic patients as compared with type 1 diabetic patients and nondiabetic controls. *The Journal of reproductive medicine.* (2012) 57(9-10):397-404.
3. Knight KM, Pressman EK, Hackney DN, Thornburg LL. Perinatal outcomes in type 2 diabetic patients compared with non-diabetic patients matched by body mass index. *The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians.* (2012) 25(6):611-5.
4. Knight KM, Thornburg LL, McNanley AR, Hardy DJ, Vicino D, Glantz JC. The effect of intrapartum clindamycin on vaginal group B streptococcus colony counts. *The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians.* (2012)25(6):747-9.
5. Thornburg LL, Linder MA, Durie DE, Walker B, Pressman EK, Glantz JC. Risk factors for wound complications in morbidly obese women undergoing primary cesarean delivery. *The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians.* (2012) 25(9):1544-8.
6. Murphy LA, Thornburg LL, Glantz JC, Wasserman EC, Stanwood NL, Betstadt SJ. Complications of surgical termination of second-trimester pregnancy in obese versus nonobese women. *Contraception.* (2012) 86(4):402-6.

Educational bulletins:

1. Apps for the Ob/Gyn provider (1 of 2). Loralei L. Thornburg. *NTQR Bulletin.* Spring 2013.

Review articles:

1. Gilmandyar D, Zozzaro-Smith P, Thornburg LL. Complications and challenges in management of the obese expectant mother Expert Reviews. November, 2012.
2. Thornburg LL. Effects of Obesity on Obstetric Ultrasound Imaging. Ultrasound Clinics. (2013) Jan;8(1):39-47.
3. Thornburg LL. Training for ultrasound procedures Ultrasound Clinics. (2013) Jan;8(1):89-103.

Books:

1. Thornburg L, Glantz JC, Giffi C, Woods JR. Fetal Assessment: Pathophysiology & Practice, Perifacts. Rochester, NY: Perifacts- University of Rochester, 2013.

Wendy S. Vitek, M.D.

1. Vitek WS, Witmyer J, Carson SA, Robins JC. Estrogen-suppressed in vitro maturation: a novel approach to in vitro maturation. Fertil Steril. (2013) Jun;99(7):1886-90.
2. 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) Jul 19 [Epub ahead of print].
3. Vitek WS. Female Infertility. In: MJ Laufgraben, Gopalakrishnam G (eds): Tarascon Adult Endocrinology Pocketbook. Jones & Bartlett Learning, Burlington, MA, 2013.

Ronald W. Wood, Ph.D.

1. Byler TK, Leocadio D, Shapiro O, Bratslavsky G, Stodgell CJ, Wood RW, Messing EM, Reeder JE. Valproic acid decreases urothelial cancer cell proliferation and induces thrombospondin-1 expression. BMC urology. (2012) 12():21.
2. Tobis S, Knopf JK, Silvers CR, Marshall J, Cardin A, Wood RW, Reeder JE, Erturk E, Madeb R, Yao J, Singer EA, Rashid H, Wu G, Messing E, Golijanin D. Near infrared fluorescence imaging after intravenous indocyanine green: initial clinical experience with open partial nephrectomy for renal cortical tumors. Urology. (2012) 79(4):958-64.
3. u Y, Rahimi H, Li J, Wood RW, Xing L, Schwarz EM. Validation of 3-dimensional ultrasound versus magnetic resonance imaging quantification of popliteal lymph node volume as a biomarker of erosive inflammatory arthritis in mice. Arthritis and rheumatism. (2012) 64(6):2048-50.
4. Nicholson TM, Ricke EA, Marker PC, Miano JM, Mayer RD, Timms BG, Vom Saal FS, Wood RW, Ricke WA. Testosterone and 17 β -estradiol induce glandular prostatic growth, bladder outlet obstruction, and voiding dysfunction in male mice. Endocrinology. (2012)

153(11):5556-65.

5. Wojtczak JA, Wood RW. High-frequency ultrasound in ex vivo animal lungs in pulmonary edema. (2013) 2(1).
6. Li J, Ju Y, Bouta EM, Xing L, Wood RW, Kuzin I, Bottaro A, Ritchlin CT, Schwarz EM. Efficacy of B cell depletion therapy for murine joint arthritis flare is associated with increased lymphatic flow. Arthritis and rheumatism. (2013) 65(1):130-8.
7. Reeder JE, Byler TK, Foster DC, Landas SK, Okafor H, Stearns G, Wood RW, Zhang Y, Mayer RD. Polymorphism in the SCN9A voltage-gated sodium channel gene associated with interstitial cystitis/bladder pain syndrome. Urology. (2013) 81(1):210.e1-4.

DEPARTMENTAL STATISTICS

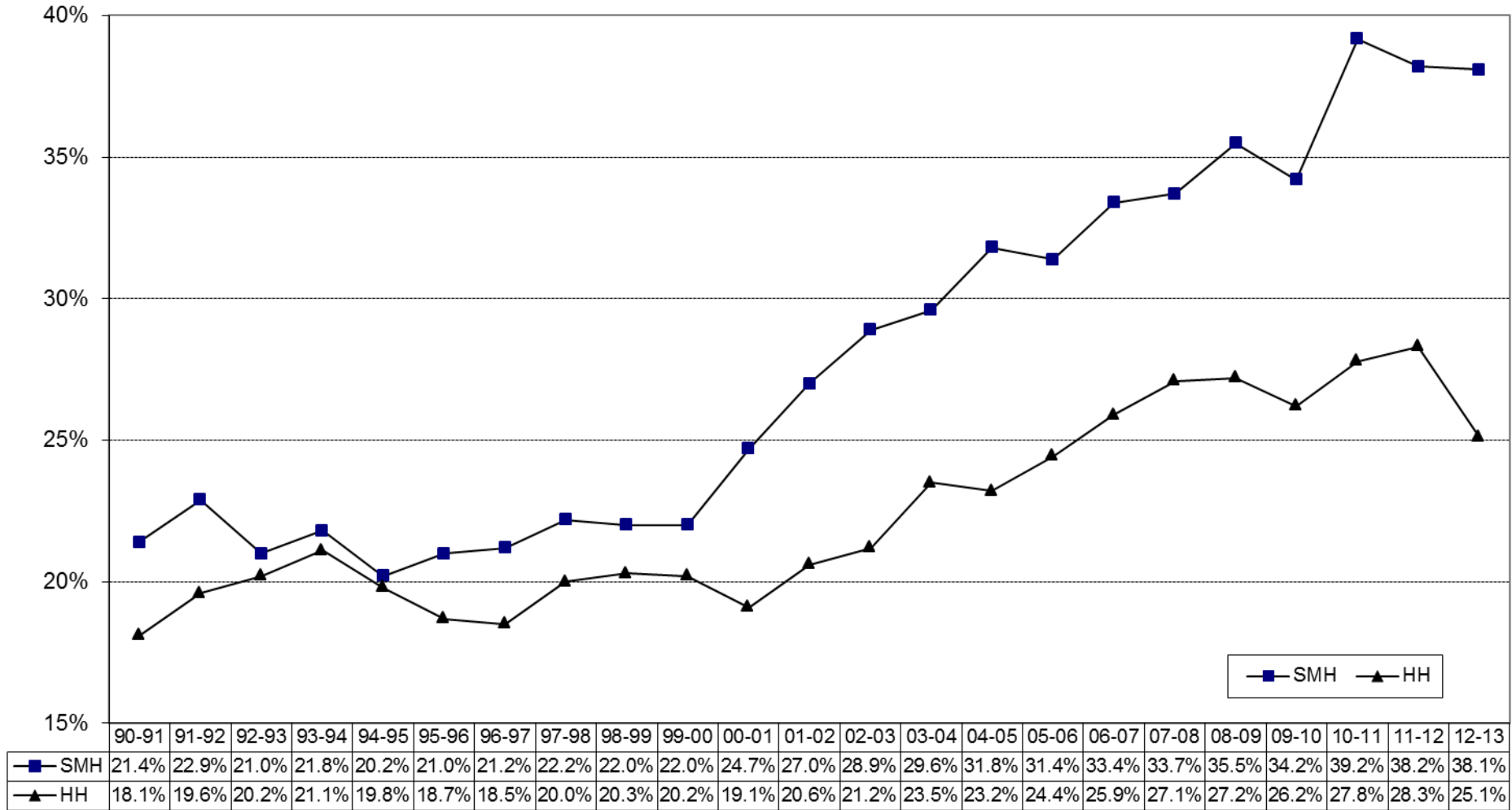
University of Rochester

Department of Obstetrics and Gynecology

July 1, 2012 - June 30, 2013

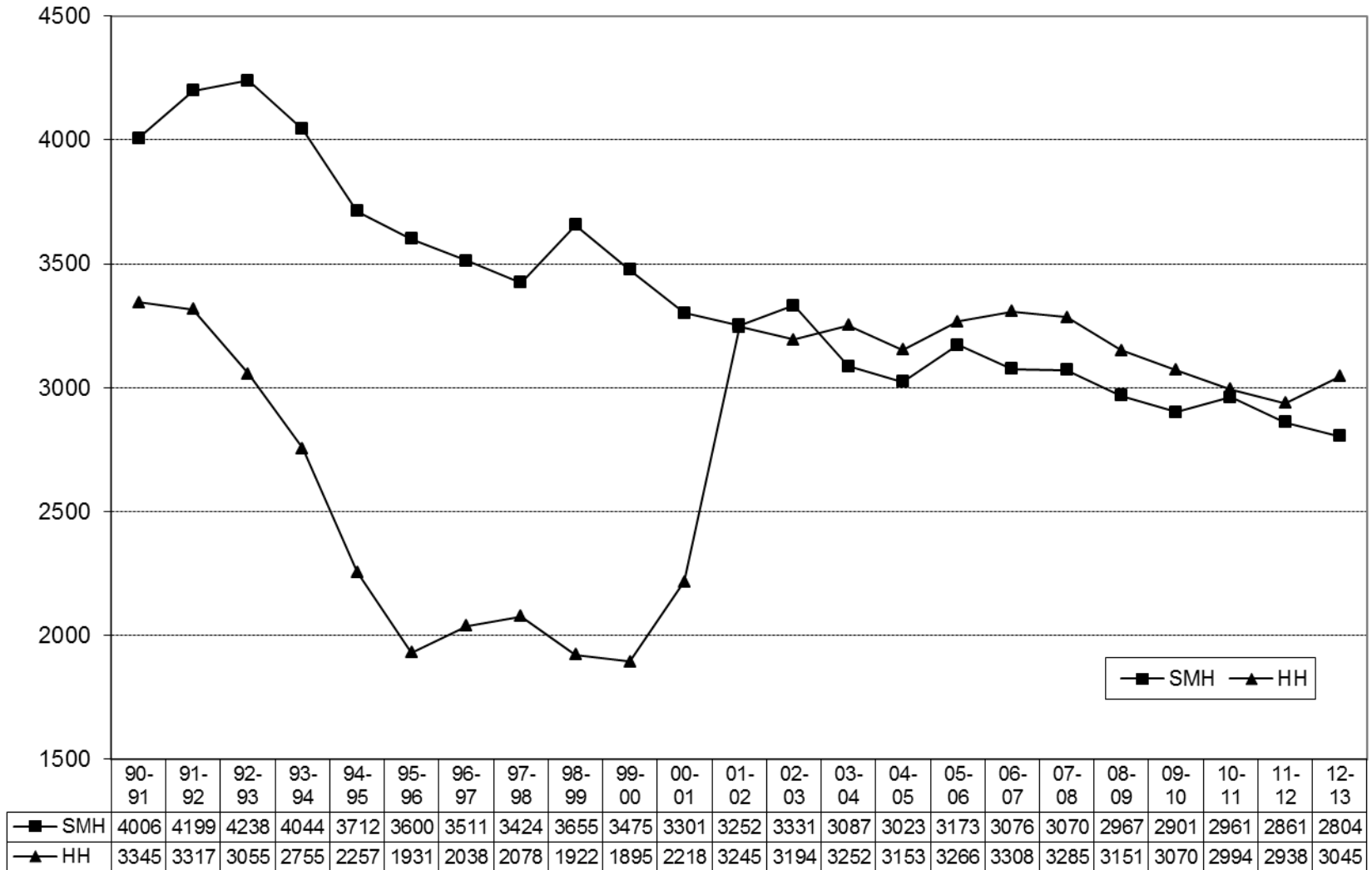
Cesarean Section Rates

53



Fiscal Year (July - June)

Number of Deliveries



Fiscal Year (July - June)

Note: Deliveries = # of mothers

PERINATAL ULTRASOUND

PROCEDURES	LATTIMORE	RED CREEK	IN-HOUSE	TOTALS
OBSTETRICAL	5364	3921	923	10208
GYNECOLOGIC	1331	553	135	2019
GENETIC-TAP	33	62	17	112
MATURE L/S-TAP	32	2	16	50
NT	485	372	4	861
BPP	138	199	171	508
CARDIAC	64	42	7	113
CARDIAC DOPP	84	43	6	133
DOPPLER (Umb Art)	326	283	174	783
DOPPLER (MCA)	114	147	84	345
DOPPLER (GYN)	25	7	7	39
MULTIPLES	196	366	62	624
CVS	51	4	0	55
PUBS	0	0	3	3
U/S GUIDANCE	99	66	83	248
INVASIVE PRO.	5	0	22	27
RH Administration	10	7	0	17
SONOHYST	46	27	0	73
3 D	195	78	8	281
TRANSVAGINAL OB	1165	906	232	2303
TRANSVAGINAL GYN	1165	451	63	1679
DAILY BILLABLE PROC	10928	7536	2017	20481
DAILY IN/OUT PATIENT	6695	4474	1058	12227
NO SHOW	1195	153	0	1348
CANCELLED	122	99	0	221
RESCHEDULED	228	56	0	284
DELIVERED	23	22	0	45
ON CALL	1	1	203	205

**CLINICAL SUBSPECIALTY
DIVISIONS**

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2012 - June 30, 2013

GENERAL GYNECOLOGY AND OBSTETRICS



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

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

INTRODUCTION

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

The division members are active clinically and surgically at many sites which include Strong Memorial Hospital, Anthony Jordan Health Center and Red Creek. We provide obstetrical services at the Strong Memorial Hospital birthing center, all emergency room and hospital gynecological consultations and private obstetrical and gynecological services at Red Creek, Women's Health Practice, and AJHC. The division members provide preceptorships for all the resident continuity clinics at Strong Women's Health Practice. The year consisted of many positive changes including working closely with the Maternal Fetal Medicine group and Women's Health Practice, providing consistent coverage for resident continuity clinics and establishing a financially viable, successful general ob/gyn practice. We are proud to have received recognition as a Center of Excellence in minimally invasive surgery. This year we also started a Complex Contraception Clinic and a new pregnancy centering program called "Bloom" at the Lattimore Road office. We plan to expand on these services in the next year. Recent renovations at the Red Creek site have allowed us to maximize the efficiency of the office.

DIVISION MEMBERS

Amy Benjamin-Pratt, MD, is a graduate of University of Rochester School of Medicine residency program. She completed advanced training in Advanced Laparoscopic Surgery under the tutelage of Dr.

Fred Howard and joined the division as full-time faculty. She is active in resident surgical education, precepts residents in pelvic pain clinic and provides outstanding clinical care for pelvic pain patients and general obstetrics and gynecology. Her interests are to improve quality of resident surgical training and perform advanced laparoscopic surgeries.

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

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

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

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

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

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

medical student clerkship, she is responsible for the oversight of the education of those student assigned to Strong for their Ob/Gyn clerkship and holds weekly small group teaching sessions.

Diane Hartmann, MD, As the Senior Associate Dean for Graduate Medical Education, Dr. Hartmann is responsible for 75 residency and fellowship programs and over 700 graduate medical trainees at the University of Rochester School of Medicine. She is currently a member of the Board of Directors of the American Board of Obstetrics and Gynecology and serves as an Oral Board Examiner. Dr. Hartmann is Chair of the Council on Residency Education in Obstetrics and Gynecology and is a member of the Accreditation Council on Graduate Medical Education's (ACGME) Review Committee for Obstetrics and Gynecology. She was recently appointed to the American Association of Medical Colleges (AAMC) National Advisory Panel on Medical Education. In recognition of her commitment and contributions to Graduate Medical Education, she was awarded the *Parker J. Palmer Courage to Lead Award* by the ACGME in 2009. In addition to these responsibilities, she continues to be a particularly popular practicing physician in the provision of the expert care of perimenopausal and menopausal women.

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

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

PATIENT CARE/CLINICAL SERVICES

Areas of clinical care and research in the Division include:

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

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

EDUCATION

The Division is committed to excellence in education. The Division has leadership and teaching roles related to residency and medical student education. Dr. Bonham is the associate residency director and

designs and implements the resident education curriculum. Dr. Harrington is the site director for the third year clerkship and frequently gives both formal and informal lectures to both students and residents. Dr. Nicandri is a frequent lecturer and clinic preceptor as well as running the M and M conferences. Dr. Betstadt is involved in many medical student conferences and resident lectures, is one of the primary clinic preceptors and has mentored many resident research projects. Dr. Gellasch has been reorganizing the ambulatory education curriculum and assuring that the clinic provides an active learning environment for the residents.

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

RESEARCH

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

FUTURE PLANS

Our division's mission remains to provide our patients with excellent clinical care as well as our residents with a comprehensive and meaningful educational experience. In doing so, we hope to serve as role models for the residents and are in the process of standardizing the care provided throughout the system to best reflect the most up to date evidence based medicine. We would like to expand our research focus to areas that test quality measures to improve clinical care. We are implementing a program within our women's clinic to bring specialists from various fields into the clinic on a regular basis to provide interactive consultations for our patients. Not only will it significantly improve the patients' access to care, but will provide our residents with much needed experience in the represented fields. We are also planning on expanding our pediatric and adolescent gynecology program and are hoping to offer these services at our Lattimore site as well as at the Red Creek office where the program is currently located. One of our initiatives for the next year is a public outreach program to educate the community about the option of long acting reversible contraceptive devices. We are actively encouraging each member of the division to continue to develop in his or her own particular area of interest in order to better serve the community as well as to make the University of Rochester truly a center of excellence in these fields.

GYNECOLOGIC ONCOLOGY



Brent DuBeshter, M.D.
Professor and Division Director

The Division of Gynecologic Oncology faculty also includes: Cynthia L. Angel, M.D., Sajeena Thomas, M.D. and Eugene P. Toy, M.D. (until 10/4/13).

PATIENT CARE

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

Our division continues to be a leader in the use of minimally invasive robotic treatment of women with gynecologic cancers and a leading provider in New York State. Our division continues to lead NYS in the use of robotics for management of gynecologic cancers and remains the largest gynecologic oncology service outside of NYC.

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

EDUCATIONAL ACTIVITIES

A weekly Tumor Conference was initiated in the fall of 2012, and has been popular with the residents and attending staff in radiation oncology and pathology. Blackboard continues to be an important vehicle for presenting educational material to our residents and medical students.

RESEARCH

Several research projects were completed this year, resulting in a number of publications. Dr. Thomas evaluated urogynecologic symptoms in a population of gynecologic oncology patients, and her work was accepted for publication in *Obstetrics & Gynecology*. One of our former residents, Holly Sato, published her work evaluating robotic treatment of endometrial cancer, in the *Open Journal of Obstetrics &*

Gynecology. A multidisciplinary research project evaluating the role of cell adhesion molecules in a variety of gynecologic malignancies is ongoing. In addition, a study examining the role of robotic hysterectomy in NYS was published in the Journal of Gynecologic Surgery. Of note was that Highland Hospital had the highest volume of hysterectomies performed in NYS.

FUTURE PLANS

With the increasing use of minimally invasive techniques and the purchase of a second dual console daVinci system, our resident's experience with the da Vinci system will be enhanced. 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
Partial vulvectomy	56	46	54	60	49
Cervical conization	20	27	31	31	21
Hysterectomy (open)	83	78	78	61	51
Hysterectomy (robotic)	214	284	314	352	378
Ovarian cancer debulking	122	109	114	95	100
Radical vulvectomy	27	26	25	31	31
Radical hysterectomy (open/robotic)	31	29	23	27	36
Total Procedures	553	599	639	657	666
<i>Outpatient Visits</i>					
New patients	842	877	898	909	958
Follow-up visits	2845	2811	2944	3210	3359
Colposcopy	394	369	373	386	345
Total	4081	4057	4215	4505	4662

MATERNAL-FETAL MEDICINE



Eva K. Pressman, M.D.

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

The Division of Maternal-Fetal Medicine faculty also includes: Dzhamaala 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 effective 7/1/12), David N. Hackney, M.D. (until 8/3/12), Monique Ho, M.D. (Director of Reproductive Genetics until 7/31/13), Kristin Knight, M.D. (Fellow until 6/30/12), Erin Lemcke (Supervisor, OB/GYN Ultrasound), Tulin Ozcan (Director of OB/GYN Ultrasound and Special Care Clinic), M.D., Ruth Anne Queenan, M.D. (Chief of Obstetrics and Gynecology at Highland Hospital), Neil S. Seligman, M.D., David E. Seubert, M.D., J.D., Lorelei L. Thornburg, M.D., and Paula E. Zozzaro-Smith, D.O.

(Fellow). The Reproductive Genetics Service includes: Laura Martin, Stephanie Laniewski, and C. Jeanne Peterson.

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

There have been some transitions within the Division of Maternal Fetal Medicine in 2021-2013. In July 2012 Dr. Lisa Gray became the 27th Todd Maternal Fetal Medicine fellow since the fellowship was established in 1975. Dr. David Hackney left our institution to become the Director of Labor and Delivery at Case Western Reserve in Cleveland, Ohio in August 2012. Dr. David Seubert joined the MFM faculty in August 2012. Dr. Dzhamaala Gilmandyar completed her Maternal Fetal Medicine fellowship in June 2013 and will be joining the faculty at the University of Medicine and Dentistry of New Jersey in the fall.

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 almost 1700 office visits and nearly 200 deliveries in

2012-2013. In addition, a specialized Diabetes in Pregnancy Clinic was started this year with over 300 visits in the first 10 months. The Strong Perinatal Associates practice based at Red Creek Drive, is a referral only practice for complicated pregnancies. With over 2000 office visits, 128 consultations and more than 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 3000 outpatient non-stress tests were performed in the last year.

OB/Gyn ultrasound services are provided at Lattimore Road, Highland Hospital, Rochester General Hospital and our facility at Red Creek Drive. Beginning in July 2010 with the appointment of Dr. Ruth Anne Queenan as the Chief of OB/Gyn at Highland Hospital, the involvement of the MFM Division at Highland has significantly increased, with our faculty providing on site consultations, NST's, ultrasounds and procedures 2 days per week. The volume of patients seen for OB/Gyn ultrasound at all sites remains high, with more than 20,000 studies performed between July 2012 and June 2013.

Starting in 2009, University of Rochester entered into an agreement with St. Joseph's Hospital and Associates for Women's Medicine in Syracuse to provide perinatal consultations and ultrasound services locally in Syracuse. Dr. Pressman and Dr. Seligman provide these services twice a month and over the last academic year over 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 has declined with the availability of non-invasive testing with only 156 amniocenteses and 70 chorionic villus sampling procedures performed.

EDUCATION

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

RESEARCH

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

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

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

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

The Infant Development and the Environmental Study (TIDES)

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

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

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

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

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

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

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:

O'Connor TG, Winter MA, Hunn J, Carnahan J, Pressman EK, Glover V, Robertson-Blackmore E, Moynihan JA, Lee FE, Caserta MT. Prenatal maternal anxiety predicts reduced adaptive immunity in infants. *Brain Behav Immun.* 2013 Feb 21. S0889-1591.

Harris-Glocker M, Thornburg LL, Pressman EK. Hermansky-Pudlak syndrome in a pregnant patient: a case report. *J Reprod Med.* 2013 May-Jun;58(5-6):267-70.

Jiang X, Bar HY, Yan J, Jones S, Brannon PM, West AA, Perry CA, Ganti A, Pressman E, Devapatla S, Vermeylen F, Wells MT, Caudill MA. A higher maternal choline intake among third-trimester pregnant women lowers placental and circulating concentrations of the antiangiogenic factor fms-like tyrosine kinase-1 (sFLT1). *FASEB J.* 2013 Mar;27(3):1245-53.

Jiang X, Bar HY, Yan J, West AA, Perry CA, Malysheva OV, Devapatla S, Pressman E, Vermeylen FM, Wells MT, Caudill MA. Pregnancy induces transcriptional activation of the peripheral innate immune system and increases oxidative DNA damage among healthy third trimester pregnant women. *PLoS One.* 2012;7(11):e46736.

Knight KM, Thornburg LL, Pressman EK. Pregnancy outcomes in type 2 diabetic patients as compared with type 1 diabetic patients and nondiabetic controls. *J Reprod Med.* 2012 Sep-Oct;57(9-10):397-404.

Dozier AM, Howard CR, Brownell EA, Wissler RN, Glantz JC, Ternullo SR, Thevenet-Morrison KN, Childs CK, Lawrence RA. Labor epidural anesthesia, obstetric factors and breastfeeding cessation. *Matern Child Health J.* 2013 May;17(4):689-98.

Murphy LA, Thornburg LL, Glantz JC, Wasserman EC, Stanwood NL, Betstadt SJ. Complications of surgical termination of second-trimester pregnancy in obese versus nonobese women. *Contraception.* 2012 Oct;86(4):402-6

Ho M, Faye-Petersen OM, Goldenberg RL, Carlo WA, Cliver SP, Andrews WW. Elevated midtrimester alpha-fetoprotein and delivery markers of inflammation in a preterm population. *J Matern Fetal Neonatal Med.* 2012 Nov;25(11):2424-7.

Kominiarek MA, Seligman NS, Dolin C, Gao W, Berghella V, Hoffman M, Hibbard J. Gestational Weight Gain and Obesity: Is 20 Pounds Too Much? *Am J Obstet Gynecol.* 2013. E-pub ahead of print.

FUTURE PLANS

Many exciting changes are planned for the upcoming year. Dr. Eva Pressman will become the Chair of the Department of Obstetrics and Gynecology and a new Maternal Fetal Medicine Division Director will be recruited. Dr. Monique Ho will be leaving to assume a faculty position at the University of Florida Shands Health Science Center and a new MFM/Geneticist will be recruited. Dr. Lorelei Thornburg will assume the role of Assistant MFM Fellowship Director and Dr. Neil Seligman will be Acting Director of Reproductive Genetics. An additional fellow, Dr. Stephen Bacak, will start in July 2013 and recruitment for a fellow for 2014 is underway. Applicants to our MFM fellowship remain some of the best in the nation with the number of applicants increasing each year.

MIDWIFERY DIVISION AND ROCHESTER ADOLESCENT MATERNITY PROGRAM



Elizabeth M. Cooper, CNM, EdD, FACNM

Professor and Director, Midwifery Division and Rochester Adolescent Maternity Program

Division Members: Michele Burtner CNM, Roberta S. DuBeshter, CNM, Tammy Farnham CNM, Pamela Wright CNM, Heather Lane CNM, Carolyn Leja CNM, Sarah Ludlow, CNM, Jacqueline Nasso CNM, Melinda Pisaro, CNM, Rebecca Skovgaard CNM, Jenney Stringer, CNM, Helene Thompson-Scott CNM, and Jo Wrona CNM

**REPORT NOT SUBMITTED
FOR THIS YEAR**

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 URMC Fibroid Center)

OVERALL

In 2012-2013, the Strong Fertility Center continued to expand our clinical offering and focus on the clinical service. With our expanded full time clinical faculty group of Drs. Hoeger, Queenan, Vitek and Bhagavath, the 2012-2013 academic year saw continued active clinical care at our Red Creek office. The division saw a total of 747 new patients, an 11% increase. Our ultrasound program performed over 7000 studies. Additionally, we provided more than 10,000 endocrine assays onsite including estradiol, progesterone, LH/FSH and HCG studies with rapid turnaround for patients. We continue to actively promote the Fertility Center working with complementary therapies to our fertility program, including no fee Women's Behavioral Health services, and patient support groups. The Women's Lifestyle Center, continuing its collaborations with Cardiology and Preventive Medicine, continues to offer a team approach to the management of PCOS. Dr. Bhagavath began the process to create an integrated Fibroid Center together with Imaging Sciences. We have active research programs continuing in PCOS and added research in the environment and reproduction. The Reproductive Endocrine division continues to be actively involved in the OB/GYN residency, medical endocrine fellowship and medical student educational curriculums and clinical rotations. We look forward to continued growth in both the clinical and research arms of the division as we continue to expand Drs. Vitek and Bhagavath services to increase our surgical presence in the community.

PATIENT CARE

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

We continue to offer preimplantation genetic diagnosis and screening for couples with a single gene defect or recurrent aneuploidy. Our donor oocyte program remains very successful. We have successfully expanded our donor pool and we offer oocyte donor cycles without a wait for recipient couples. We have also initiated an affiliation with My Egg Bank in Atlanta, the largest frozen oocyte bank in the US. This affiliation gives our patients access to the highest quality frozen oocytes and is only

available in the area via our center. Our ongoing 2012 IVF pregnancy rates including donor oocyte are shown in Figure 1. We added a new embryology technician, Sean Hickey to our embryology team as well as adding technician Zahra Ridgeway. 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 its fourth fundraiser in March. The party and silent auction benefit raised more than \$11,000 in money for patient care for those needing fertility services.

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

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

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

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

The newly initiated URM Fibroid Center run by Drs. Bhagavath and Lee (of Imaging Sciences) the first of its kind in the area, will offer 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.

Dr. Bhagavath is the director of the Minimally Invasive Surgical Fellowship and is modifying and expanding the curriculum and serves as an organizer for the surgical simulation course for the residents.

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

RESEARCH

Our research activities and publications continue to grow. Dr. Hoeger's research area of interest is in the metabolic and reproductive consequences of PCOS. A collaboration with medical endocrinology has begun with recruitment for joint clinical trial examining MMPIs in androgen production in PCOS. Dr. Hoeger continues to serve as an advisor on the NIEHS/NIH BIRCWH K12 training program devoted to reproductive health and the environment in women (**W**omen's **H**ealth and the **E**nvironment across the **E**ntire **L**ifespan) which has successfully recruited 2 scholars whose work includes PCOS and osteoporosis studies. Dr. 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 presented to a national audience in June 2013 at the Endocrine Society in San Francisco.

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 applied for MaeStone Goode foundation funding to assist in these efforts.

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

NATIONAL/INTERNATIONAL PRESENTATIONS BY REI FACULTY:

Dr. Hoeger

Postgraduate course faculty, Frontiers in Reproductive Endocrinology. "Hirsutism and Polycystic Ovary" March 2013, Arlington, VA

Panel Presenter, "Clinical Guidelines for Management of PCOS" Endocrine society annual meeting, June 2013, San Francisco, CA

Intra-follicular mechanism of leptin actions in obesity-related infertility. A. Sen, R. Srivastava, **K. Hoeger**, S. Hammes. ENDO 2013, 95th Annual Meeting of the Endocrine Society, San Francisco, June 2013

Dr. Queenan

“Ovulation Induction”; “Manage and Prevent Complications in Laparoscopic and Hysteroscopic Surgery”; “Ectopic Pregnancy”; Evaluation and Management of Hirsutism and PCOS” **19th Annual Review of Obstetrics and Gynecology**, Lake Buena Vista, Fla. October 24-26, 2012.

“Sources of Trouble: Fraud, Abuse and Denied Claims.” “2010 Documentation Guidelines.” and “Coding for Assisted Reproductive Technology Laboratories.” Post-Graduate Course, **American Society for Reproductive Medicine, Annual Meeting**, San Diego, CA. October 21, 2012.

“Evaluation and Management of Infertility and Ovulation Induction”; “Hirsutism and PCOS”; “Diagnosis, Medical and Surgical Management of Ectopic Pregnancy.” “Reproductive Endocrinology Case Reviews”, “Recurrent Pregnancy Loss”; **Columbus Comprehensive Review**, Columbus, OH. September 24-26, 2012.

“CPT coding for ART: A Day in the Life of a Reproductive Endocrinologist.”
“Frequently Asked Questions for Gyn Surgery and Procedures.” **SREI fellows Retreat**. Park City, Utah. July 31, August 3-4, 2012.

Dr. Lewis

National Institute of General Medical Sciences- Interventions 2012 Progress Report Meeting. Lewis V, Goodman S, Morse G. Researcher resilience through multidimensional mentoring-upstate NY. Burlingame CA, August 2012

Martina CA, Lewis V. Researcher resilience through multidimensional mentoring. Annual meeting of the Society of Clinical Translational Science. Washington DC, April 2012

PUBLICATIONS:

Dr. Hoeger

K Nicandri, **KM Hoeger**. Diagnosis and treatment of PCOS in adolescents. Current opinion in endocrinology and diabetes 2012 Dec;19(6):497-504.

KM Hoeger. Obesity in Polycystic Ovary syndrome: Insulin Sensitizing Therapy. Curr Obes Rep 2013

Dr. Queenan

Book Chapters/electronic media
100 Frequently Asked Questions in Obstetric and Gynecologic Coding 2012.
ACOG Textbook. 2012.

The Essential Guide to Coding in Obstetrics and Gynecology. ACOG Textbook 2012.

ACOG Coding Manual. ACOG Textbook. 2012

Dysfunctional Uterine Bleeding. Millie Behera, **John T. Queenan, Jr.**, Thomas Price, in Obstetrics and Gynecology: **eMedicine**. (On-line peer-review text).

Ovotestis. Molina Dayal, Gail Whitman-Elia, **John T. Queenan, Jr.** in Obstetrics and Gynecology: **eMedicine**. (On-line peer-review text).

Dr. Lewis

LaGuardia JG, Sharp D, Ryan RM, **Lewis V.** Researcher Resilience through Multidimensional Mentoring. Conference proceedings: Facilitating development relationships for success, University of New Mexico, October 2012.

Dr. Bhagavath

Albright CM, Frishman GN, **Bhagavath B.** Surgical aspects of removal of Essure microinsert. Contraception. 2013 Jan 2.

Clark LE, **Bhagavath B.**, Wheeler CA, Frishman GN, Carson SA. Role of routine monitoring of liver and renal function during treatment of ectopic pregnancies with single-dose methotrexate protocol. Fertil Steril. 2012 Jul;98(1):84-8.

Frishman GN, Melzer KE, **Bhagavath B.** Ectopic pregnancy in a cesarean-section scar: the patient >6 weeks into an ectopic pregnancy, underwent local treatment. Am J Obstet Gynecol. 2012 Sep;207(3):238.

Dr. Vitek

Vitek WS, Witmyer J, Carson SA, Robins JC. Estrogen-suppressed in vitro maturation: a novel approach to in vitro maturation. Fertil Steril. 2013 Jun;99(7):1886-90.

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 Jul 19 [Epub ahead of print].

Vitek WS. Female Infertility. In: MJ Laufgraben, Gopalakrishnam G (eds): Tarascon Adult Endocrinology Pocketbook. Jones & Bartlett Learning, Burlington, MA, 2013.

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 been working on the establishment of a new Andrology Laboratory in the Department of Pathology and acting its off-site laboratory Director. We are incorporating the ASRM clinical modules to improve resident knowledge base in REI. Our research program will expand to explore environmental influences in the development of PCOS as well as the development of a database for uterine ablation established by Dr. Bhagavath with funding from Hologic. 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 2012

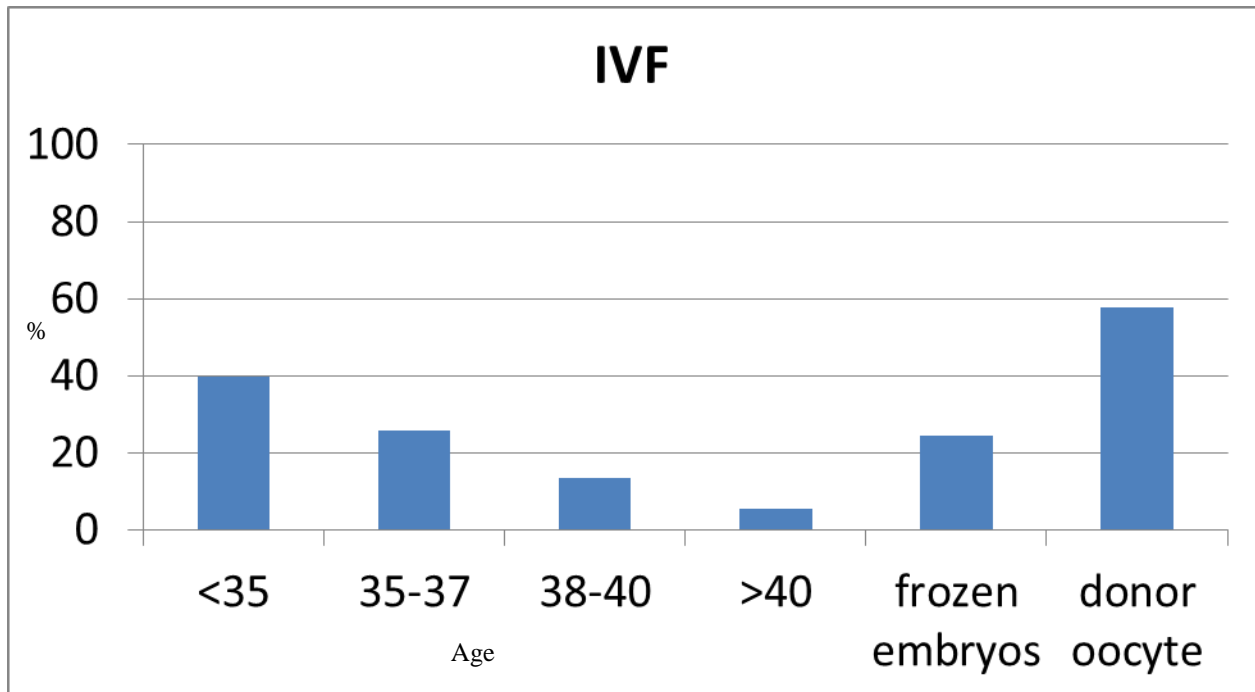


Table 1: Ovulation induction cycles (no IUI)2012

	CC only	Gonadotropins
Total cycles	187	30
Ongoing pregnancies	20	6
Percent ongoing pregnancy	10.7%	20%

Table 2. Ovulation with IUI 2012

	No med	CC only	CC/HCG	Gonadotropins	FSH with Antagonist
Total cycles	65	33	503	267	33
Ongoing Pregnancies	5	4	49	41	3
% ongoing	7.7%	12.1%	9.7%	15.3%	9%

Table 3: Donor Sperm IUI 2012

	No meds	CC only	CC/HCG	Gonadotropins
Total cycles	60	6	78	41
Ongoing pregnancies	10	0	8	5
Percent pregnancy	16.7%	0	10.3%	12.2%

Table 4: Age and Fertility treatment 2012

	<40 yrs			>40 yrs		
	No Meds	CC	FSH	No Meds	CC	FSH
Number of cycles	129	680	302	10	127	109
Number of pregnancy	14	74	52	1	7	7
Percent pregnancy	10.9	10.9	17.2	10.0	5.5	6.4

Table 5. Multiple pregnancy with ovulation induction 2012

	CC	Gonadotropins
Twins	1.6%(10)	3.8%(14)
Triplets	0	1% (3)

UROGYNECOLOGY AND RECONSTRUCTIVE PELVIC SURGERY



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

The Division of Urogynecology and Reconstructive Pelvic Surgery faculty also includes: Erin Duecy, M.D., Pamela Wigent, N.P., Theresa Seguin, N.P., Paula Doyle (2nd year fellow in Female Pelvic Medicine and Reconstructive Surgery)

INTRODUCTION

The Division of Urogynecology and Reconstructive Pelvic Surgery is now in its 8th year. This is the report for the 2012-2013 academic year.

CLINICAL

Our division has added a second nurse practitioner, Theresa Seguin, to provide conservative care for pelvic floor disorders. Further, we have been able to recruit an additional faculty member to our division, Dr. Lioudmila Lipetskaia, who has completed her fellowship training at the University of Louisville in Louisville, KY. She will be joining our division on October 1, 2013. We have added two OR days per month at Highland Hospital. This should finally allow us to increase our clinical volume and expand services including streamlining coordinated care for GYN oncology patients with pelvic floor disorders. The potential clinical volume is likely to warrant a total of four full-time urogynecologists.

TEACHING

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

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

Resident surgical experience in pelvic reconstructive and continence procedures occurs during the Inpatient Gynecology rotation at Strong Memorial Hospital and residents at all levels participate in the

surgical care of our patients. The division participates in the resident core curriculum lecture series, offering lectures on pelvic floor disorders and peri-operative physiology & care of the geriatric patient. Residents in Family Medicine continue to attend a weekly Outpatient Urogynecology clinic as part of an elective in Obstetrics and Gynecology.

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

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

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

RESEARCH

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

ONGOING PROJECTS AND PRINCIPAL INVESTIGATOR (PI)

- "*De Novo* pelvic floor disorders in women with gynecologic cancers"
PI Dr. Gunhilde Buchsbaum
- "Barriers to Care for Pelvic Floor Disorders"
PI Dr. Paula Doyle
- "Radiation Changes in Mouse Bladder"
PI Dr. Paula Doyle
- "Cost Analysis of open and robot assisted sacral colpopexy"
PI Dr. Gunhilde Buchsbaum
- "Impact of Pelvic Floor Musculature on Peripartum Outcome using Transperineal Ultrasound: A Prospective Study"
PI Dr. Tulin Ozcan, Co-PI Dr. Varuna Raizada, supported
- "Female urethral sphincter complex: a validation study comparing three and four dimension ultrasound and magnetic resonance imaging"
PI Gunhilde Buchsbaum, Co-PI Varuna Raizada, supported
- "Ultrasound findings of urethral complex in asymptomatic nulliparous women on 3-dimension ultrasound study"
PI Varuna Raizada, Co-PI Gunhilde Buchsbaum
- "Ultrasound Findings of Urethral Complex in Females with Urinary Incontinence: A Case Control Study"
PI: Gunhilde Buchsbaum, Co-PI Varuna Raizada, supported

CME COURSES AND PRESENTATIONS AT SCIENTIFIC MEETINGS

Buchsbaum GM. CME Course Director: “The Uniqueness of Women’s Health“, University of Rochester Medical Center 2013

Buchsbaum GM. CME Course Director: “Vaginal Surgery under Local Anesthesia”, International Continence Society (ICS) Annual Meeting Beijing China 2012

Duecy EE. Presenting faculty “Vaginal Surgery under Local Anesthesia” workshop at the International Continence Society (ICS) Annual Meeting in Beijing China 2012

Buchsbaum GM, Doyle PJ, Glantz JC, Sato H, Thomas S. Prevalence of pelvic floor disorders in various gynecologic cancers. International Continence Society (ICS) Annual Meeting in Beijing, China, 2012. Poster Presentation

Buchsbaum GM, Sato H, Glantz JC, Doyle JC, Thomas S. Prevalence of pelvic floor disorders in various gynecologic cancers. American Urogynecologic Society (AUGS) Annual Meeting in Chicago, IL 2012. Poster Presentation

Raizada V, Alam P, Mack L, Marino J, Leoni L, Pressman E, Buchsbaum GM, Hackney D, Ozcan T. Structural and functional changes in pelvic floor musculature and prediction of mode of delivery. American Urogynecologic Society (AUGS) Annual Meeting in Chicago, IL 2012. Poster Presentation

Raizada V, Duecy E, Dolan J. Cost-effectiveness analysis of clinical strategies used to manage stress urinary incontinence at the time of repair of pelvic organ prolapse in women. International Urogynecological Association (IUGA) Annual Meeting 2012 in Brisbane Australia. Oral Presentation

Raizada V, Wood, R, Duecy E, Bhatt S, Buchsbaum GM. Morphology of urethral sphincter complex using 3-dimension ultrasound: A feasibility study. International Urogynecological Association (IUGA) Annual Meeting 2012 in Brisbane Australia. Poster Presentation

Raizada V, Duecy E, Dolan J. Cost effectiveness analysis of clinical strategies used to manage stress urinary incontinence at the time of repair of pelvic organ prolapse in women. American Urological Association (AUA) Annual Meeting 2012 in Atlanta GA. Oral Presentation

Raizada V, Duecy E, Dolan J. Clinical decision analysis study for evaluating and managing stress urinary incontinence at the time of repair of pelvic organ prolapse. Society of Gynecological Surgeons (SGS) Annual Meeting 2012 in Phoenix AZ. Poster Presentation

PUBLICATIONS

Crosby EC, Vilasagar S, Duecy EE, Flynn MK. Expectant management of cystotomy at the time of midurethral sling placement: a retrospective case series. Int Urogynecol J. 2013 Feb 16 (epub ahead of print)

Doyle PJ, Buchsbaum GM. Urinary Incontinence in Women. Strong Peri-FACTS | 2012

FUTURE PLANS

The general direction for the Division of Urogynecology remains unchanged. The main objective remains moving ahead with our clinical goals and expanding research activities.

EDUCATIONAL PROGRAMS

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2012 - June 30, 2013

MEDICAL STUDENT EDUCATION



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

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

MEDICAL STUDENT RECRUITMENT IN OB/GYN

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

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

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

Class of 2012

Folch Torres-Aguiar, Beatriz
Khan, Ayesha
Nagendra, Divyah
Stokes, Mary

University of Rochester/Strong Memorial Hospital - NY
St. Joseph Mercy – MI
University of Massachusetts Medical School - MA
Jackson Memorial Hospital - FL

During the fall of 2013, four students from the University of Rochester School of Medicine and Dentistry are applying to residency programs in Obstetrics and Gynecology. The four students are interviewing at programs across the country, and each was granted >10 interviews.

INTEREST GROUP

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

TEACHING RECOGNITION

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

2012 APGO Excellence in Teaching Award—Amy Harrington, M.D..

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

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

1st Year students

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

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

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

Dr. Colby Previte presents a didactic session on female anatomy and basics of the female breast and genitourinary examination, including breast examination, breast cancer screening recommendations, sterile speculum examination, culture and cervical cytology obtainment, cervical cancer screening recommendations, saline microscopy, and bimanual examination. This didactic session is followed by small group sessions with plasticized models of the breast and pelvis. In small group sessions, the students practice manipulating speculae, and performing examinations. In 2012, Dr. Sarah Betstadt participated as the second small group leader with Dr. Previte. (The male GU didactics are conducted by Dr. William Hulbert of Urology.)

INTEGRATION CONFERENCE: Introduction To Cervical Cancer Screening – May

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

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

2nd Year Students

INTEGRATION CONFERENCE ON CONTRACEPTION – LATE FALL OR MID-SPRING

Our Department teaches one of these conferences in the area of Contraception and the other is taught by Family Medicine in the area of Human Sexuality. The Integrated Conference on Contraception is one hour of general overview of epidemiology and contraceptive methods. The other two hours 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 January, 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 2012 included: Well-Woman Care, Preconception Care, Pregnancy Screening, Infertility, Abnormal Uterine Bleeding, Vaginitis, and Abortion. In the 2012, these didactics were each taught four times, and the sessions were instructed by maternal fetal medicine fellows and faculty, gynecology fellows and faculty. 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, URMG OB/GYN resident physicians, midwives, and nurse practitioners.

In 2012, the structure of this component of the curriculum has changed slightly with two three-hour didactic sessions, encompassing Well-Woman Care, Preconception Care, Vaginitis, Abnormal Uterine Bleeding, Abortion, and Recurrent Miscarriage. These two didactic sessions were given by Dr. Colby Previte. Following the didactic sessions, the students are in the offices with local practitioners for three afternoon sessions. Dr. Previte served as a mentor to Emilie Wasserman, a URSMD student in the Medical Education Pathway, who presented a didactic entitled, “Early Pregnancy Loss.”

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

DISEASE PROCESSES AND THERAPEUTICS 2 – FEBRUARY

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

3rd Year Students

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

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

- Continued initiatives pertaining to professional development of the students, including instruction on how to elicit constructive feedback in an effective manner, and how to handle situations with multiple different personalities.
- Enhanced “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.
- An update to the clerkship “passport,” which serves as both a guide for expected experiences and as a feedback tool for the students.
- Creation of standardized “tours” at each of the clinical sites during orientation.

- Streamlining of orientation didactics in fetal heart rate monitoring.
- Improved oversight at Rochester General Hospital.

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

- Clarification 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. Amy Harrington

3rd Year/4th Year Students

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

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

RESIDENCY EDUCATION PROGRAM



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

The 2012/2013 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
Elizabeth Bard, MD	University of Minnesota Medical School
Lauren Coyle, MD	Pennsylvania State University College of Medicine
Beatriz Folch Torres-Aguiar, MD	University of Rochester School of Medicine and Dentistry
Ethan Gable, MD	University of Buffalo SUNY SOM and Biomedical Sciences
Whitney Hanan, MD	University of Washington School of Medicine
Stefanie Hollenbach, MD	The Commonwealth Medical College
Tessa Reisinger, MD	Emory University School of Medicine
Daniel Terk, MD	University of Massachusetts Medical School

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 77% 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, Leigh Koidahl, MD and, Natalie Whaley MD and third year representatives, Kristin Klosterman, MD and, Courtney Olson-Chen MD) met regularly throughout the year to address many issues including the ACGME Outcome Project, core competencies, learning objectives, the evaluation process, and curriculum development.

Another successful Resident Research Day was conducted in April, 2013 and complemented by the Chief Resident Dinner and Awards Ceremony held at Casa Larga in June.

RESEARCH DAY ACTIVITIES

April 25, 2013

RESEARCH PAPERS AND PRESENTATIONS

Resident Papers:

“Early pregnancy iron status and development of preeclampsia”

Presented by Emily E. Campito, MD

“Does anogenital distance, a marker of prenatal androgen exposure, differ in women with polycystic ovarian syndrome (PCOS)?”

Presented by Elizabeth A. Fountaine, MD

“Cervical length in women with a prior preterm birth: Does progesterone change the incidence of short cervix?”

Presented by Kristin M. Klosterman, MD

“Timing of Delivery and Maternal and Neonatal Outcomes”

Presented by Amy Hoeft MacDonald, MD

“Do increased peripheral markers of inflammation predate the occurrence of a short cervical length?”

Presented by Courtney L. Olson-Chen, MD

“Time of Delivery of the Anomalous Fetus - Effects on Maternal and Neonatal Outcomes”

Presented by Brittany M. Paivanas, MD

“Impact of Delivery on the Pelvic Floor using Transperineal Imaging”

Presented by Smitha Vilasagar, MD

“Prenatal stomach size in cleft lip and/or palate and subsequent reflux disease”

Presented by Kristen E. Burhans, MD

33rd ANNUAL JEROME H. RUDOLPH MEMORIAL LECTURE

“First Line Treatment in PCOS: What have we learned from Clinical Trials?”

Presented by Richard S. Legro, MD

Professor at Penn State University College of Medicine

Department of Obstetrics and Gynecology

RESIDENTS' COMMENCEMENT HONORS AND AWARDS

Administrative Chiefs for 2012/2013:

Leigh B. Koidahl, MD and Natalie S. Whaley, 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: **Jennifer L. Fichter, 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 A. Fountaine, 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: **Natalie S. Whaley, 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: **Emily E. Campito, MD**
2nd place winner: **Elizabeth A. Fountaine, MD**
3rd place winner: **Courtney L. Olson Chen, 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: **Amanda J. Victory, MD** (Highland Hospital)
William J. Harvey, MD (Strong Memorial Hospital)

Richard E. Fullerton Award

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

Recipient: **Kristen E. Burhans, 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 A. Fountaine, 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: **Shirley Warren, RN, MS, NP**

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

Recipient: **Elizabeth A. Fountaine, 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: **Maureen E. Perdue, DO**
Courtney L. 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: **Courtney L. Olson-Chen, MD**

OTHER AWARDS/OPPORTUNITIES DURING 2012/13:

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: **Christopher J. Schwartzenburg, 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: **Susan E. Bradford, 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: **Amy R. Harrington, MD**

CREOG 2013 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: **Amy R. Harrington, 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: **Nigel H. Campbell, MD**

The Society of Laparoendoscopic Surgeons

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

Recipient: **Holly M. Stevens, MD**

HIGHLAND HOSPITAL

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2012 - June 30, 2013

**(REPORT NOT SUBMITTED FOR
THIS YEAR**

RESEARCH

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2012 - June 30, 2013

RESEARCH DIVISION

DEPARTMENT HIGHLIGHTS

- ◆ 11 New Grants in the Department
- ◆ 38 Active NIH and non-NIH Grants in the department with total costs of \$11,662,889
- ◆ 44% of the PhD or MD faculty members are PI on a grant
- ◆ 34% of the MD faculty members are PI on a grant

RESEARCH DIVISION HIGHLIGHTS FOR 2012 – 2013:

1. **3 New Grant Awards for Research Faculty:**
 - a. *Shawn P. Murphy, Ph.D.* R01 from NIH/NIAID in the amount of \$2,122,992 for “Mechanisms of placental infection by food-borne pathogens.”
 - b. *Shawn P. Murphy, Ph.D.* from Mae Stone Goode in the amount of \$24,535 for “Quantification of protein expression in human reproductive tissues: ChemiDoc MP Imaging System.”
 - c. *Ronald W. Wood, Ph.D.* from Mae Stone Goode in the amount of \$15,000 for “New approaches to interstitial cystitis and pelvic pain disorders.”
2. **Ronald W. Wood, Ph.D.**, was granted an allowance of claims by US Patent and Trademark Office for technology UR 6-1177 “Quaternary Antimuscarinic Compounds for the Treatment of Bladder Diseases”
3. **Emily S. Barrett, Ph.D.**, was elected as a member of the URM Center Environmental Health Sciences Center (EHSC).
4. **Richard K. Miller, Ph.D.**, was the recipient of the Distinguished Service Award 2013 for the Teratology Society. This award was given in June, 2013.
5. **29 Peer-Reviewed Publications** in journals including: BMC Urology, Urology, Arthritis and Rheumatism, Endocrinology, Reproductive Toxicology, Environmental Research, Physiology and Behavior, Hormones and Behavior, Human Reproduction, Environmental Health, Toxicology and Applied Pharmacology, Journal of Maternal-Fetal and Neonatal Medicine, Birth Defects Research Part A, Modeling and Computational Science, International Society of Pharmacovigilance, NCRP, Birth Defects Research Part C, American Journal of Pathology
6. **20 Presentations** at national and international meetings including: 7th Annual Human Placenta Course, Teratology Society, Finger Lakes Regional Conference on Lead Poisoning Prevention, BIRCWH Scholars meeting, CHE, International Society for Environmental Epidemiology, American College of Preventive Medicine, Neurobehavioral Teratology Society, . 13th RCMI International Symposium on Health Disparities, Experimental Biology Conference, American Urological Association, National Institutes of Health – NCS Meeting

FACULTY

Emily S. Barrett, Ph.D. is an Assistant Professor of Obstetrics and Gynecology at the University of Rochester School of Medicine and Dentistry. 2012-2013 was her second year as a scholar in URM Center’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 will examine 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 these is a case-control study of biomarkers of prenatal androgens in women with and without polycystic ovary syndrome, funded by the Mae Stone Goode foundation in early 2012. Dr. Barrett received funding for three additional pilot projects during the year. The first, a dietary intervention to lower exposure to endocrine-disrupting phthalates in pregnant women (co-PI, S. Chen, Environmental Medicine) will finish recruiting in September 2013, with results to follow shortly thereafter. The second, funded summer 2013, will examine whether exposure to phthalates is truly ubiquitous (as commonly believed), by looking at levels of exposure in a traditional-living hunter-gatherer population. Finally, Dr. Barrett and colleagues recently received funding to start a larger pilot study on phthalates and ovarian function, which is projected to begin in fall 2013.

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 presented a poster at a national meeting and gave an oral presentation at an international meeting on environmental epidemiology.

During the year, Dr. Barrett also continued her work as Center Director for the NIEHS-funded, multi-center The Infant Development and Environment Study (TIDES), directly supervising a team of three study coordinators and a research assistant and leading the study efforts in Rochester. The team successfully recruited over 200 pregnant women for the study, and they continue to follow the children until age 1. Dr. Barrett and the TIDES team are in the process of applying for funding for follow-up of the TIDES children up to age 5 as well as working on manuscripts from the first emerging data.

Dr. Barrett continued as co-Director of the Office of Research Administration in the Department of Obstetrics and Gynecology (appointed 2011). In this position, she oversees the scientific and administrative aspects of all research underway in the department. Additionally, she was named as the department reviewer for the Research Subjects Review Board in 2010 and continues in that role at present. Finally, she was elected to the URM Environmental Health Sciences Center faculty in spring 2013.

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, NICHD, 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. is Director of the Perinatal Environmental/Drug Consultation Service (New York State Teratogen Information Service) 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 National Children's Study Formative Research Project with Drs. Stodgell and Katzman exploring how to preserve the placenta for study of its vasculature and morphology as well as tissue for genetic - epigenetic, environmental assessment and isolation of stem cells. The objectives are to develop biomarkers in the placenta of future risk for childhood and adult disease by evaluating the human placenta.

Dr. Miller received the Distinguished Service Award from the Teratology Society at the annual meeting. He is the dysmorphologist for the US Ribavirin Pregnancy Registry and for the Genentech MoTHER 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 Symposium on Diabetes and Pregnancy at the Teratology Society (Tucson), NICHD-CIHR Summer Institute in Maternal-Fetal Pharmacology (Toronto), lecturer on Lead Exposure and Pregnancy at the Finger Lakes Regional Program on Lead Prevention.

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. He was involved with medical students in all four years including the 4th year medical student team for the Process of Discovery Program. Mentor for Jorien Sanderink (Toxicology Graduate Student – University of Nijmegen, the Netherlands), DeAndra Jamerson (medical student), Joanthan Fricke (UR undergraduate), and Nicole Welling (High School Student, Greece Athena HS). This year, Dr. Miller has publications in J Maternal-Fetal and Neonatal Medicine, Toxicology and Applied Pharmacology, Placenta, Birth Defects Research A.

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 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. Visualization of the microenvironment within human placental structures has traditionally been performed using classical immunohistochemistry (IHC), but this approach results in significant loss of spatial information due to the need to section the tissues in order to stain with antibodies. To overcome this limitation, **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. WMIF analyses of 1st trimester placental tissues provided striking morphological images of developing blood vessels that were not observed with traditional IHC. In addition, placental macrophages and the major subpopulations of trophoblast (i.e., syncytiotrophoblast, extravillous trophoblast and

cytotrophoblast) were detected within intact 1st trimester villous structures. Ms. Bushway subsequently utilized placental WMIF in conjunction with confocal microscopy to examine gestation age-specific expression of the receptors for vascular endothelial growth factor (**VEGF-R1, VEGF-R2 and VEGF-R3**), and activated, tyrosine phosphorylated STAT-3 (**P-STAT-3**), proteins that were previously shown to be essential for placental development. Differential patterns of VEGF-R expression were observed in the human placenta over the course of gestation, which provide further support for an integral role of VEGF-Rs in human placental vascular and trophoblast development. Importantly, expression of P-STAT-3 was localized primarily to the nuclei of placental endothelial cells and extravillous trophoblast in 1st trimester explants. Furthermore, the levels of P-STAT-3 in endothelial cells decreased significantly by term. Although studies in pregnant mice suggest that STAT-3 plays a critical role in development of the trophoblast layer, our results suggest that this transcription factor is also essential for vasculogenesis and/or angiogenesis in the human placenta. **Dr. Zozzaro-Smith** is currently comparing the relative expression of these markers in placentas from women afflicted with preeclampsia.

Ms. Bushway has also been utilizing WMIF to characterize placental cell responses to the pro-inflammatory interferons (IFNs). Utilizing isolated, primary trophoblast cells and trophoblast-derived choriocarcinoma cell lines *in vitro*, we previously demonstrated that human trophoblast cells isolated from term placentas block responses to the pro-inflammatory cytokine interferon- γ (IFN- γ), which plays critical roles in activating immunity to tumors, viruses and intracellular bacteria. However, the effect(s) of the placental microenvironment on the regulation of these responses, and the extent to which other placental cells respond to this cytokine have not been characterized to date. **Ms. Bushway** has discovered that trophoblast subpopulations from 1st trimester placentas differentially respond to IFN- γ . Specifically, the syncytiotrophoblast layer and underlying cytotrophoblast mount little to no detectable response to IFN- γ . In contrast, extravillous trophoblast cells are strongly responsive to IFN- γ . Similar patterns of cellular responsiveness were identified following exposure of placental tissues to IFN- γ 2, which is important for promoting a first line of defense against viral infection. The identification of differential IFN responsiveness in distinct human trophoblast cell subpopulations provides important new insights into the roles of IFNs in normal pregnancy, placental infection and placental pathology. Taken together, **Ms. Bushway's** PhD studies to date strongly suggest that WMIF will provide a powerful approach for studying the placental architecture in normal versus pathological pregnancies, and the effects of environmental factors such as cytokines and growth factors on placental function and morphometry.

Pregnant women are preferentially susceptible to a variety of intracellular pathogens, such as viruses. These infections are associated with severe complications, including miscarriage, congenital infection, *in utero* growth restriction, preterm birth, and maternal death. Previous studies demonstrated that viruses can replicate in the human placenta, which may contribute to observed maternal and fetal morbidity and mortality, but little is known about the pathogenesis of viral infection in this organ. **Katie Herman** has begun her PhD studies by examining the susceptibility of human trophoblast cells to infection by vesicular stomatitis virus (VSV) and lymphocytic choriomeningitis virus (LCMV). She has found that both of these viruses readily infect and replicate more rapidly in human trophoblast-derived choriocarcinoma cells compared to human cervical epithelial cells. Furthermore, she found that trophoblast cells are able to sense infection by these viruses because they actively secrete antiviral cytokines (IFNs) in response to infection. However, compared to epithelial cells, pretreatment of trophoblasts with IFNs protected weakly against subsequent VSV infection. Consistent with Ms. Bushway's studies of intact placental tissues, **Katie Burke** has found that human choriocarcinoma cells and isolated term trophoblast cells are hypo-responsive to both type I (IFN- α 2) and type III (IFN- λ 1) IFNs. Based

on these collective studies, we propose that decreased trophoblast responses to IFNs may play an important role in the susceptibility of pregnant women to viruses that infect the placenta.

Lastly, previous studies showed that pregnant mice are highly susceptible to *Salmonella* infection, while non-pregnant mice are resistant. Furthermore, *Salmonella* infection during pregnancy resulted in the rapid destruction of the mouse placenta and subsequent death of the mothers. **Ian Perry** is currently utilizing the whole mount immunofluorescence technique to study the susceptibility of the human placenta to *Salmonella* infection. Mr. Perry's PhD studies to date suggest that ST can indeed infect the human placenta. Mr. Perry is currently defining which TBC subpopulation(s) can be infected, and examining the consequences of *Salmonella* infection on human placental function and viability.

Dr. Murphy has served on the faculty of the Human Placenta Biology Workshop at Queen's University in Kingston, Ontario, Canada for the last seventh 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. 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".

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 (work on analyses and papers continues). 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 analyzed CDC NHANES data for Consumer Reports to determine whether population arsenic levels were consistent with CR's finding of elevated arsenic levels in rice. He also co-authored a paper showing non-monotonic dose response of several measures of male reproductive system development in mice from in utero exposure to the phthalate DEHP.

Christopher J Stodgell, Ph.D. is a co-investigator with Drs. Loisa Bennetto, in the department of Clinical and Social Sciences in Psychology and Susan Hyman of Pediatrics on an NIH funded project to study the familial and genetic traits of taste, smell and feeding behavior in autism. He is also collaborating with Drs. Hyman and Tristram Smith on the Autism Treatment Network, a national registry designed to determine the best clinical practices for the diagnosis and treatment of autism spectrum disorders. Dr. Stodgell, Dr. Richard K. Miller in the department, and Dr. Asher Ornoy of Hebrew University, Jerusalem, Israel are investigating the effects of diabetes on birth defects in a rat model. He is also collaborating with David Foster, MD in the department on the genetic and environmental etiologies of vulvar vestibulitis. As a Principle Investigator, Dr. Stodgell is currently funded by the Goode Foundation for grant focused on gene-environment interactions in the developing nervous system after in utero exposures to the teratogen valproic acid. Most recently Dr. Stodgell and Dr. Miller were awarded a Formative Research Award from the National Children's Study to investigate the use of placental tissue for chemical, environmental and genetic analysis. Dr. Stodgell has published work related to the effects of in utero valproic acid exposure on embryonic gene expression, on the genetics and teratology of autism, and vulvar vestibulitis. In addition to his research Dr. Stodgell is a member of the Education Committee for the Teratology Society and is Vice Chair of the University Committee on Animal Resources, and serves on the Medical Student Admissions Committee. Dr. Stodgell regularly lectures on teratology for the third year medical students in the Women's Health Clerkship, developmental gene expression in Tox 552, and genetics and psychopharmacology in

CSP 553, 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 and Gunhilde Buchsbaum in the Department; Drs. Edward Messing, Robert Mayer, YiFen Lee and ShuYuan Ye in Urology; and Drs. Edward Schwarz and Lianping Xing in Orthopedics and Pathology. The research in the laboratory of Dr. Wood continues to provide experience for residents and fellows in Urology and Orthopedics.

PROGRAMS, CENTERS AND SERVICES

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

ORA, Office of Research Administration – ORA serves to support the pre- and post-award sponsored research needs of the Ob/Gyn faculty to make it easier for busy clinicians and researchers to apply for research funding and maintain their current projects. ORA participates in the publication of a departmental newsletter *Ob/Gyn Inside Story* every quarter to keep the faculty aware of upcoming research-related deadlines, research presentations and to acknowledges funding successes, publications and honors received by Ob/Gyn faculty. Members of ORA include: Emily Barrett and Rebecca Rowley, co-Directors; Toni Heining, Staff Accountant; Ken Edell, Data Base Manager; Erin Driscoll-Brantley, Linda Leoni, Heather Fiore, Lynda Kochman, Sarah Caveglia, Lauren Cowen, Julie Pilitterre, Study Coordinators; Shaya Greathouse, Study Recruiters; Linda Salamone, Luis Ruffolo, Katie Burke, Michele Friedman, Dilip Rao, Philip Weidenborner, Technicians; Meghan Bushway, Ian Perry, Lauren Parlett, Graduate Students.

SUMMARY

In fiscal year 2012-2013, the Office for Research Administration (ORA) in Ob/Gyn managed over \$7 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 seven 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, they published over two dozen peer-reviewed publications in leading journals in their fields and presented their work at a wide range of conferences. The research faculty continued to collaborate on research with colleagues at the University of Rochester, as well as across the U.S. and internationally.

This year, results started to emerge from several of our largest studies. Drs. Miller and Stodgell and their National Children's Study (NCS) team completed much of their data collection on optimal placental collection and processing strategies, which will inform not only the NCS, but

countless other studies of placental function. Dr. Barrett and The Infant Development and the Environment (TIDES) team finished recruiting Rochester-area pregnant women and now have the first data ever collected on pregnant women's attitudes towards chemicals in the environment. In the coming year, the team will examine children's health outcomes associated with prenatal chemical exposure in the TIDES cohort as well as apply for funding to follow the children through age 5.

ORA works with researchers at all levels in the Department of Ob/Gyn – from residents doing their first research projects to senior faculty developing NIH R01 applications. This year, ORA continued to host a weekly research workshop to provide a forum for sharing results, discussing new ideas, and learning new research tools. At least one new, external grant, led by a new researcher, emerged from a brain-storming session during research workshop. 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, 2012 - June 30, 2013

NURSING SERVICE SUMMARY

The OB/GYN Nursing experienced a year of successes and change. First and foremost, we successfully received accreditation from the Joint Commission. A nursing surveyor spent an entire day reviewing records and touring the OB/GYN units. The surveyor was extremely complimentary of the nurses and the care they delivered on the units.

The nursing staff from the OB/GYN units was very involved in writing chapters for the application for re-designation of Magnet Recognition awarded by the American Nurses Credentialing Center (ANCC). The Magnet Recognition Program advances three goals within health care organizations: 1) Promote quality in a setting that supports professional practice 2) Identify excellence in the delivery of nursing services to patients/residents 3) Disseminate best practices in nursing services. We also participated in the 4 day on-site survey. We received our re-designation status in the summer with many, many accolades from the surveyors about the nursing care that is provided at our hospital.

Our service saw many changes in nursing leadership this past year. Maureen Freedman stepped down as Nurse Manager of the Birth Center after 22 years of serving in this role. Jennifer Carey assumed the role in February and has been learning the responsibilities of her new role with great support from the staff on the Birth Center as well as the staff on the other OB/GYN units. Bethann Sayers left after many years of service in OB/GYN to take a new position in the Cancer Center. Jenn will soon be finished recruiting for the 3 Nurse Leader positions that were open due to the many changes on her unit.

A new Clinical Nurse Specialist role was developed for our service to help us implement the 2011 New York State Model Breastfeeding Policy which has 28 required components and 47 recommended ones. Maureen Freedman is in this new role and will be helping to launch "Great Beginnings NY, the Future Starts with Breastfeeding initiative". She will be one of the guest presenters on a NYS Department of Health webinar in October, 2013.

We said goodbye to Shirley Warren who retired as the Clinical Nurse Specialist. She provided a tremendous amount of support to the entire healthcare team on the in-patient units. She was dedicated to providing the most current evidence for our practice and assuring that our Standards of Care supported our practice. Jennifer Truax assumed this role and is very excited to be the new CNS for our service.

We continue to monitor our patient satisfaction scores that come from the Press Ganey surveys sent out to the patients who received care on Strong Beginnings units. Staff responsiveness, quiet environment and satisfaction with pain control are the areas we concentrated on this past year. Strong Beginnings scores very high over all.

Kimberlee Blik, MCIC OB Patient Safety Nurse, continues to lead initiatives in the area of safe delivery of care. She is a TeamSteps instructor, coordinates simulations for our service and is a role model for debriefing.

We continue to develop new strategies and refine established ones to improve patient safety and quality. As we have in the past, we continue to partner with the OB/GYN providers to develop 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

Clinical Nurse Specialists

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

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

Social work assumes primary responsibility for the assessment and management of all patients presenting in any 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 and at the Strong Midwifery Practice is staffed by 3.65 FTE masters level social workers. Staff include the following:

Sarah Gallivan LMSW	.9 FTE
Kim Hober LMSW	.65 FTE
Lisa Luxemberg LMSW	1 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 was established through a generous contribution from Dr. Nancy Stanwood and has since received contributions from other interested parties. The fund's resources are used to assist Strong patients who without the help of the fund could not access or fully utilize women's health services. Such help typically includes covering the cost of uncovered prescriptions and transportation to health care appointments.

GRANT SUPPORTED PROGRAMS

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

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

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

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

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.