Department of Obstetrics & Gynecology

Annual Report

2014

Dr. Jerome L. Yaklic
Associate Professor and Chairman

For the period including
January 1, 2014 — December 31, 2014
Statement from the Chair

The Department of Obstetrics and Gynecology saw continued growth and success in 2014. Our undergraduate medical education program continued to provide a comprehensive Ob/Gyn experience to 3rd year clerkship students as well as more in depth sub-internship experiences to interested 4th years students. We successfully recruited excellent additions to our fully integrated OB/Gyn residency program in both the civilian and military match programs and saw the graduation of six new obstetrician/gynecologists. 2014 also saw the last graduate from our MFM fellowship program before its closure.

The department’s Ob/Gyn clinical activities remained strong despite the highly competitive Dayton market and its relatively flat volumes. With the recruitment of Dr. Steven Lindheim in 2013, the reproductive endocrinology and infertility division saw continued clinical activity growth. Dr. Lindheim and the REI division also led the formation of the Polycystic Ovary Syndrome Multidiscipline Team including a nutritionist, aesthetician, internist and acupuncturist in addition to gynecologists.

The department continued to grow its research activities. In addition to adding to our publications and presentations, the department continued to increase its portfolio of clinical trials, and recruited its first full-time PhD researcher, Dr. Rose Maxwell. Dr. Maxwell joined the department and assumed the position of Director of Ob/Gyn Research late in 2014. She immediately made a positive influence on the department’s research activities and we look forward to her continued contributions.

In 2014, the department began to undertake its first strategic planning endeavor in many years. We were able to refine our mission and vision expanding the scope beyond its previous narrow educational focus. With a clearer focus on where we want to be, in 2015 we plan to continue to develop and implement action plans to reach our strategic vision. We remain confident that with our continued commitment to excellence in teaching, patient care and translational/clinical research, our future is filled with endless opportunity.
Programs/Divisions

<table>
<thead>
<tr>
<th>Name of Division or Program</th>
<th>Members</th>
<th>Dates</th>
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<tbody>
<tr>
<td>General OB/GYN</td>
<td>Dr. Janice Duke (Dir)</td>
<td>2000-pres</td>
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<td></td>
<td>Dr. Jerome Yaklic</td>
<td>2010-pres</td>
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<td></td>
<td>Dr. Sheela Barhan</td>
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<td>Dr. Josette D'Amato</td>
<td>2012-pres</td>
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<td>Dr. Austin Findley</td>
<td>2013-pres</td>
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<td>Dr. Michael Galloway</td>
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<td>Dr. Sarah J. Kidd</td>
<td>2014-pres</td>
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<td>Dr. Nancy Lo</td>
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<td></td>
<td>Dr. Kathryn Newton</td>
<td>2014-pres</td>
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<td></td>
<td>Dr. Casey Parini</td>
<td>2013-pres</td>
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<td>Dr. Ted Talbot</td>
<td>2012-pres</td>
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<td></td>
<td>Dr. Keira Urschel</td>
<td>2014-pres</td>
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<tr>
<td>Gynecologic Oncology</td>
<td>Dr. William Nahhas (Dir)</td>
<td>1983-pres</td>
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<td></td>
<td>Dr. Yovanni Casablanca</td>
<td>2013-pres</td>
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<td>Dr. Chris Lutman</td>
<td>2012-pres</td>
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<td>Maternal Fetal Medicine</td>
<td>Dr. Chris Croom (Dir)</td>
<td>2000-pres</td>
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<td>Dr. David McKenna</td>
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<td>Dr. Jiri Sonek</td>
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<td>Dr. Christine Kovac</td>
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<td>Dr. Dahlia Wenkus</td>
<td>2013-pres</td>
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<tr>
<td>Reproductive Infertility and Endocrinology</td>
<td>Dr. Steven Lindheim (Dir)</td>
<td>2014-pres</td>
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<td>Dr. Kathleen O’Leary</td>
<td>2012-pres</td>
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<tr>
<td>Urogynecology</td>
<td>Dr. Geoffrey Towers (Dir)</td>
<td>2004-pres</td>
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<td></td>
<td>Dr. Jason Massengill</td>
<td>2012-pres</td>
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Fully Affiliated Faculty

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<thead>
<tr>
<th>Name and Academic Position</th>
<th>Clinical Interests</th>
<th>Research Interests</th>
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<tbody>
<tr>
<td>Sheela Barhan M.D.</td>
<td>Breastfeeding</td>
<td>Medical Education,</td>
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<tr>
<td>Associate Professor</td>
<td>Endometriosis</td>
<td>Resident Education</td>
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<tr>
<td>Women’s Health Clerkship Director</td>
<td>Domestic Violence</td>
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<tr>
<td>Dr. Yovanni Casablanca</td>
<td>Gynecologic Oncology</td>
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<tr>
<td>Assistant Professor</td>
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<tr>
<td>Dr. Christopher Croom</td>
<td>Obstetrical ultrasound, thrombophilia and autoimmune conditions in pregnancy, premature labor prevention and treatment, Maternal-Fetal Medicine medical ethics</td>
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<tr>
<td>Assistant Professor</td>
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<td>Name and Academic Position</td>
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<tr>
<td>Josette D’Amato, D.O. Assistant Professor</td>
<td>Low/high risk pregnancy, Adolescent gyn care, Minimally invasive surgery, endometrial ablation (including ThermaChoice and NovaSure), minimally invasive hysteroscopic tubal ligation (Essure), Contraception, Menopause, hormone replacement therapy, bioidentical hormones</td>
<td>Endometriosis Study – Solstice and fetal monitoring remote from hospital</td>
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<tr>
<td>Dr. Janice Duke Associate Professor</td>
<td>Menopause, perimenopause, routine &amp; high risk OB, Int’l medicine</td>
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<tr>
<td>Dr. Austin Findley Assistant Professor</td>
<td>Laparoscopic GYN surgery, pelvic pain, fibroids, endometriosis</td>
<td>Surgical outcomes, endometriosis, fibroids, pelvic pain, resident education and surgical simulation</td>
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<tr>
<td>Dr. Michael Galloway Associate Professor</td>
<td>Vaginal surgery, pelvic prolapse/reconstruction, advanced laparoscopic surgery, minimally invasive surgery</td>
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<tr>
<td>Dr. Sarah J Kidd Instructor</td>
<td>Lifestyle modification to treat and prevent chronic disease</td>
<td>Underlying genetic predisposition to disease</td>
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<tr>
<td>Dr. Steven R. Lindheim Professor</td>
<td>Infertility; Assisted Reproduction; Endocrine Disorders; Minimally Invasive Surgery (MIS)</td>
<td>Assisted Reproduction; Bioethics; MIS; Endometriosis; PCOS</td>
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<tr>
<td>Dr. Nancy Lo Instructor</td>
<td>Abnormal uterine bleeding</td>
<td>Obesity in pregnancy</td>
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<tr>
<td>Dr. Jason Massengill Assistant Professor</td>
<td>Pelvic organ prolapse, urinary incontinence, fecal incontinence, pelvic reconstructive surgery</td>
<td>Pelvic floor disorders in active duty population, botulinum A toxin for treatment of UUI, biomechanical properties of the swine pelvic support ligaments, contained morcellation</td>
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<tr>
<td>Dr. Rose A Maxwell</td>
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<td>Infant mortality, Fetal Alcohol Syndrome,</td>
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<td>Name and Academic Position</td>
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<td>Dr. William Nahhas</td>
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<td>Professor Emeritus</td>
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<td>Dr. Kathryn Newton</td>
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<td>Instructor</td>
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<td>Dr. Kathleen M. O’Leary</td>
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<td>Dr. Casey Parini, Assistant Professor</td>
<td>General OB/Gyn</td>
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<td>Dr. George Theodore Talbot</td>
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<tr>
<td>Associate Residency Program Director</td>
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<td>Dr. Alicia Thompson</td>
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<td>Dr. Keira B Urschel</td>
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<tr>
<td>Instructor</td>
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<td>Pain control after C-section</td>
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<td>Dr. Dahlia Wenkus</td>
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<td>Maternal Fetal Medicine</td>
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<tr>
<td>Dr. Jerome Yaklic</td>
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<td>Associate Professor</td>
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<td>Chair</td>
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Teaching

Baccalaureate

Graduate students, including thesis supervision

Undergraduate medical education [medical school]

Biennium One Teaching (year 1 and 2)
Director Women's Health Elective Year 1 (Dr. Barhan)
Director Women in Medicine 10 week Longitudinal Elective Year 1 (Dr. Barhan)
Director, WHO 609 Year 1 (Dr. Barhan)

OB/GYN Club – Faculty Advisor- 1st/2nd year medical students gain knowledge of clinical OBGYN. (Dr. Duke)
1. Obstetric Observation: Coordinated student observation of labor and delivery. Lectured on basic terminology and methodology used in labor and delivery. (Dr. Duke)
2. Obtain speakers for monthly meetings throughout the year. (Dr. Duke)

SMD510: Anatomy course: year 1 -Duke
1. Lecture on Clinical correlation of Pelvic Anatomy to gynecology and obstetrics. (Dr. Duke)

SMD 551, Reproductive Health Course-Year 2, Director (Dr. Duke)
1. Lecturer, Moderator and case studies--common gynecologic problems, infertility (Dr. Duke)
2. Coordinator of TBL Peer Instruction study on Pregnancy Termination (Dr. Duke)

SMD 612: Global Health elective – Lecture Feb. 2014 (Dr. Duke)
SMD 804: Women in Medicine Elective- Panelist for 1 session April, 2014 (Dr. Duke)

Coordinate medical student research projects. Match medical students to faculty research mentors. (Dr. Maxwell)

Objective Structured Clinical Exam, review and score exams (Drs. Duke, Massengill)

Reproductive Course lectures: Hyperandrogenism and Hyperprolactinemia/Pituitary Adenomas, April 2014. (Dr. Talbot)

Women's Health Clerkship (year 3 and 4)

(Barhan, D’Amato, Duke, Galloway, Kidd, Newton, Talbot, Thompson, Urschel and Yaklic)

Labor and Delivery – Preceptor for elective 4th year on OB or Gyn rotations as scheduled.

Teach students fundamentals of OB/Gyn while in multiple clinical situations including labor and delivery, postpartum, operating room, postoperative, and resident clinic.
Taught the science and art of pregnancy (antepartum, intrapartum and postpartum care), common Gyn ailments including pelvic pain, abnormal uterine bleeding, cervical screening and dysplasia treatment, STD testing and treatment.

Exposed students to surgical procedures including, C-section, tubal sterilization, operative laparoscopy, hysteroscopy, abdominal/vaginal/ laparoscopic hysterectomy.

OB Service, Postpartum Rounds & Clinics: staff postpartum rounds and related patient care with students and residents. Review of students and intern notes and teach aspects of obstetrics on a clinical level on the postpartum rounds and in clinic. Present patients during rounds or at clinic.

Gynecology Staff Service, Teach during post-operative rounds and preoperative rounds. Students present patients and plan of care. Students also present a brief topic's related to the gynecology rotation.

Teach suturing and knot tying skills, laparoscopy and robotic surgery.

Mentor and Evaluate Student Presentations of History and Physical – 1 OB history and physical and 1 Gyn history and physical.

Educational proctoring/preceptoring MS3 students at the Five Rivers Health Centers, Center for Women's Healthcare clinics during their core clerkship rotation

Rotational evaluations for gynecologic service.

Presentation Reviews: Oral OBG presentations, (All faculty).

Lecturer for ICM II (Intro to Clinical Medicine), Physiologic Changes in Pregnancy (Dr. Barhan) Director, Junior Internship in Obstetrics (Year 4); Gynecology (Year 4) (Dr. Barhan) Director, SMD 804, Women's Reproductive Health Elective (Dr. Barhan)

3rd Year Teaching WOH700 -Duke

a. Labor and delivery – Teach students fundamentals of obstetrics while on labor floor (Dr. Duke)

b. OB Service, Postpartum Rounds, & Clinic – Weekly, staff postpartum patients and their related problems. Review student and intern notes and teach aspects of obstetrics on a clinical level on postpartum rounds & in clinic. Students present patients in clinic and on rounds. (Dr. Duke)

c. Gynecology Staff Service – Teach during postoperative rounds. Have student’s present brief topics. Teach suture and knot tying skills as time permits. Proctor CWH clinics with med students as part of the care team who are proctored. (Dr. Duke)

d. Lecture on Osteoporosis for Clerkship in OB/Gyn (Dr. Duke)

4th Year Teaching (Dr. Duke)

e. WHO 801: Preceptor for 4th year medical students in office practice and teach during Gyn rounds and surgery.

f. WHO 804: Precept students in obstetrics on rounds, in surgery and on L&D

g. Reach Out for student volunteers to have the opportunity to do clinical work with a preceptor in gynecology while they volunteer, and as a part of the 4th year GYN elective

h. WOH 813: Biennium II elective, Director, International OB/GYN – Feb. 2014

i. Coordinated and supervised 4th year medical students trip to Bolivia to work in medical clinic for the month. Supervise WSUSOM med students and students from other medical schools in a medical clinic for a week in Bolivia.
MS3 Clerkship Coordinator, WPAFB Medical Center (Dr. Findley)

Laparoscopy and knot tying simulation sessions (Drs. Duke, Galloway)

Brethen Center Minimally Invasive Surgery Simulator Teaching; Laparoscopic and Robotic Training (Dr. Galloway)

Rotations through Maternal-Fetal Medicine, Ultrasound & Genetics Dept. (All MFM faculty)

**Lectures:**

Benign Breast Disease, Barhan

Dysmenorrhea and Chronic Pelvic Pain (Dr. Barhan)

Intrapartum Fetal Heart Rate Monitoring, D’Amato

Osteoporosis, Duke

Dysmenorrhea and Chronic Pelvic Pain (Dr. Findley)

Pelvic Organ Prolapse/Urinary Incontinence, Galloway

Diabetes in Pregnancy, Glover

Premature Rupture of Membranes, Kovac

Menopause (Dr. Lindheim)

PIH/Pre-eclampsia, Croom

Preterm labor, McKenna

Postpartum Care, Talbot

Preterm Ruptured Membranes, Talbot

Contraception and Sterilization, Yaklic

George Washington University/Virginia Commonwealth University (VCU)/National Capital Consortium Medical Student Urogynecology Lectures (Massengill)

**Graduate medical education** [residents, fellows]

(Barhan, D’Amato, Duke, Galloway, Kidd, Newton, Talbot, Thompson, Yaklic)

**OB Teaching**

Continuity Care Clinics (Proctoring) – Assist OB/GYN and Residents with more difficult exams. Review Resident history, physical, assessment and plan. Patients are examined with the intern for the first 6 months of residency.

Continuity Care Clinics (Proctoring) – Assist Residents with more with difficult examines and evaluation of patients. Review history, physical and plan with residents. Patients are examined with the interns in the clinic the first 6 months of residency.
Labor and Delivery Supervision – Obstetrical delivers both spontaneous, instrumental and surgical or C-sections; staff L&D triage

Post-partum rounds

Random Safety Audits Coordination OB service Quality Improvement

Attending provider involved in supervising and teaching obstetrics and gynecology residents, as well as medical students, in clinical, inpatient and surgical settings. Provision of formal lectures and presentations to residents and medical students.

In depth clinical training using evidence based practice in many settings including Labor & Delivery, Surgery, inpatient and outpatient care. Providing feedback on knowledge and skill set.

Continuity Care Clinics & Obstetrical/Gynecological Clinics (Proctoring) – Assist Residents with more difficult exams and proctor. Review Resident history, physical, assessment and plan, and discuss with patient as appropriate. Patients are examined with the intern in clinic for the first 6 months of residency.

Labor and Delivery Supervision (obstetrical deliveries, spontaneous, instrumental and surgical, on a regularly scheduled basis during the week as well as in-house night call). Staff L&D triage.

Wright State University, Boonshoft School of Medicine, Department of Obstetrics and Gynecology, Dayton, OH, June 2014: Journal Club (Dr. Lindheim)
Wright State University, Boonshoft School of Medicine, Department of Obstetrics and Gynecology, Dayton, OH, August 2014: Journal Club (Dr. Lindheim)

Supervise resident research projects. Provide education related to research topics (Dr. Maxwell)

Weekly Pre-Operative Conference, Morbidity/Mortality Conference with residents. (Dr. Talbot)

Mentor/Preceptor to residents of all levels on their mandatory research projects (meet monthly to review projects. (Dr. Talbot)

Conduct surgical simulation training for laparoscopic and robotic surgical skills in the MVH Brethen Center (Dr. Talbot)

Lead surgical dissection exercises with gynecology residents, Cadaver Lab (Dr. Talbot)

Conduct OB emergency simulation training via the NOELLE OB emergence simulator at MVH (Dr. Talbot)

Conduct PROLOG review sessions in preparation for residents’ written Board exam (Dr. Talbot)

GYN Teaching (All faculty)

Gynecology Staff Service – Teach during postoperative rounds

Gynecology Surgeries – Proctor all four levels of residents with staff surgical patients, from minor procedures to major abdominal, vaginal and minimally invasive robotic procedures. Teach residents by allowing all 4 year levels to be primary surgeons with participating private practice patients (according to skill level.)

Continuity Care Clinics & Gynecology Clinic (Proctoring) – Assist residents with more difficult exams. Review history, physical, assessment and plan. Patients are examined with interns for the first 6 months and as needed with upper level residents.

Five Rivers - CWH Gyn Clinics – specialty clinic with gynecology residents
Cover supervision of the Internal Medicine Residents in the GYN Clinic as needed.

Pre-op gynecology meeting – weekly review of surgical cases with residents and faculty

ER consults: Discuss and review resident evaluation with ER patients

Gynecology Surgeries – Proctor all four levels of residents with staff surgical patients, from minor procedures to major abdominal and vaginal procedures. I also teach residents by allowing all 4 year levels to be primary surgeries on my private practice according to their

Continuity Care Clinics (Proctoring) – Assist OB/GYN and Residents with more difficult exams. Review Resident history, physical, assessment and plan. Patients are examined with the intern for the first 6 months of residency skill level

ER consults: Discuss and review resident evaluation with ER patients

Weekly Pre-Operative Conference, Morbidity/Mortality Conference with residents

Curriculum development for the Mobile Obstetric Emergencies Simulator – (Dr. D’Amato)

Cadaver Day – Minimally Invasive Surgery Techniques – Laparoscopic, Robotic, Vaginal (Dr. Galloway)

Robotic Surgery in Residency (Dr. Galloway)

Special Projects:

Conduct OB emergency simulation training via the NOELLE OB emergence simulator at MVH – (All generalist faculty)

Visiting Professor – The residents meet periodically, for one hour, after Grand Rounds with speakers from out of town. This gives residents the opportunity to be exposed to physicians outside our immediate community. (Dr. Duke)

Cadaveric Anatomy Lab: Instructor. Done bimonthly in Brethen Center (Dr. Findley)

Creation of Library Resources (Dr. Galloway):

- Core text for both Obstetrics and Gynecology
- Multiple texts: Operative Gynecology, Maternal fetal Medicine, Breast, ultrasound, primary care, Reproductive Endocrinology, Gynecologic Oncology, Pelvic Surgery

Video Tape Library – Various procedures on DVD for surgical techniques to work with residents as needed for different types of surgery from incontinence to hysterectomy and different surgical devices.

Ethicon Advanced Laparoscopy Course Faculty (Dr. Massengill)

Junior Fellow Professional Development Course Faculty, Armed Forces District Meeting, ACOG, Baltimore, Maryland, 2013 (Dr. Massengill)

Massengill, JC - George Washington University/Virginia Commonwealth University (VCU)/National Capital Consortium Resident Urogynecology Lectures – Monthly (Dr. Massengill)

National Capital Consortium Resident OSCE Faculty, 2013 (Dr. Massengill)
Research: team member, Christine Kovac, MD; team leader, Dr. McKenna

Conferences: monthly fetal monitor strip reviews- Drs. McKenna/Kovac

Orientation: Research; MFM dept.; fetal monitor strips; Pitocin protocol (Dr. McKenna)

Manage Rotations through Maternal-Fetal Medicine, Ultrasound & Genetics Dept. (All MFM Faculty)

Conduct surgical simulation training for laparoscopic and robotic surgical skills in the Brethen Center at MVH (Drs. Galloway, Talbot)

Conduct PROLOG review sessions in preparation for residents’ written Board exam - Talbot

Lectures:

OB/GYN resident lectures, Normal Labor, Abnormal Labor, Pregnancy Termination, Ectopic Pregnancy, and Hormone Replacement Therapy. (Dr. Barhan)

Fetal Malpresentation; Family Planning (Dr. D’Amato)

Preterm Rupture of Membranes (Dr. Croom)

Adnexal Masses (Dr. Findley)

Vulvar Dystrophies (Dr. Findley)

Principles of Electrosurgery (Dr. Findley)

Giving Bad News (Dr. Galloway)

Fatigue, Burnout, Transitions of Care, Effective Communication, Fetal Monitoring, Patient Safety (Dr. Galloway)

The Menstrual Cycle-Normal Ovarian Physiology (Dr. Lindheim)

Research Review (Dr. Lindheim)

Reproductive Endocrinology CREOG Review (Dr. Lindheim)

Colposcopy and Recurrent Pregnancy Loss (Dr. Talbot)

Continuing medical education

Grand Rounds Presentations:

Cervical Ripening (Dr. Barhan)

**Chair of CME for OB/Gyn providing 37 hours of CME in 2014 – (Dr. Duke)

Chronic Pelvic Pain: Understanding Why It Hurts. (Dr. Findley)

Minimally Invasive Surgery Week 2014: Las Vegas, NV. Invited Speaker. Presented talk entitled Prophylactic salpingectomy at the time of pelvic surgery. (Dr. Findley)

Ethical and Legal Issues in Reproductive Medicine: Making Hard Decisions in the 21st Century (Dr. Lindheim)

Update in the Management of Polycystic Ovarian Syndrome, Reid Medical Center (Dr. Lindheim)

Operative Hysteroscopy: Clinical Experiences-Tricks of the Trade. (Dr. Lindheim)
Approaches to the Diagnosis and Treatment of Endometriosis Reid Medical Center, Dayton (Dr. Lindheim)

Elective Induction in Nulliparous Women at 39 Weeks: Friend or Foe, (Dr. McKenna)

Post Treatment Surveillance in Gynecologic Cancer, (Dr. Nahhas)

Cancer Screening, (Dr. Newton)

Non Invasive Prenatal Testing: Hip or Hype? (Dr. Talbot)

**Attended Comprehensive Course on Centering Care in Obstetrics by The Centering HealthCare Institute, July, 2014 (Dr. Talbot)

Trauma in Pregnancy (Dr. Urschel)

Other

Curriculum Development: (Dr. Galloway)

Residency Training in Robotic Assisted Gynecologic Surgery (Dr. Galloway)

Resident GYN Surgical Rotation (Dr. Galloway)

Primary Care Physicians for Women’s Health, Veteran Administration (Dr. Galloway)

Robotic Residency Training Network (RTN) (Dr. Galloway)

Resident R1 weekend Float, new Emergency Med and ICU rotations (Dr. Galloway)

Resident Good Samaritan Hospital Gynecologic Surgery rotation (Dr. Galloway)

Resident Research/Mentoring Teams (Dr. Galloway)

Brethen Center – Minimally Invasive Surgery (Dr. Galloway)

Cadaver Day in Brethen (Dr. Galloway)

Clinical Competency Committee Formation (Dr. Galloway)

**Wright State University, Boonshoft School of Medicine, Dayton, Ohio, September 2014: OB/GYN Student Interest Group Specialty Panel. Dr. Lindheim

5

Scholarly Activity

**Funded grants

Enhancing Women’s Health Competencies in VISN 10 Primary Care Providers Using Novel Computer and Simulation-based Educational Strategies, Dayton VA Medical Center IPA, $5000 – served as a subject matter expert for the development of virtual patient cases pertaining to Sexual Dysfunction, Sexually Transmitted Disease and Vaginal Infection – (Drs. D’Amato, Duke and Talbot)

Can Contrast Infused Sonography Using Air Bubbles Replace Hysterosalpingogram as the Diagnostic Evaluation of Fallopian Tube Patency Following Hysteroscopic Sterilization Using Essure™? Bayer HealthCare, 2014 $85,000, December 2014, Kristin Sinning (Dr. Lindheim)
Improving Patient Informed Consent for In Vitro Fertilization Boonshoft School of Medicine, Medical Student Research Grant, 2014, $2300, October 2014, Brent Abei (MS-4). (Dr. Lindheim)

Publications

Papers in refereed journals

Siddiqui, N, **Galloway, M**, Geller, E, Green, I, Pitter, M, Martino, M; Validity and Reliability of the Robotic Objective Structured Assessment of Technical Skills; Obstetrics & Gynecology, vol. 123; Number 6; 1193-1199, June 2014


Books, chapters, reviews


Published abstracts


Robertshaw IM, Martinez, AM, Batcheller, A, DiPaola, K, Sroga, JM, and Lindheim Sr. Air Bubble Saline Infused Sonography (SiS) is Equivalent To Hysterosalpingogram In Assessment Of Tubal Patency. Presented at The 70th American Society of Reproductive Medicine, Honolulu, HI, October, 2014.


Coyne K, O'Leary K, Yaklic J, Whigham LD, Lindheim SR. Gestational Carrier (GC) BMI and Reproductive, Fetal and Neonatal Outcomes: Are The Risks The Same With Increasing Obesity? Presented at The 70th American Society of Reproductive Medicine, Honolulu, HI, October, 2014.


**Significant presentations**


Robertshaw IM, Martinez, AM, Batcheller, A, DiPaola, K, Sroga, JM, and **Lindheim SR**. Air Bubble Saline Infused Sonography (SiS) is Equivalent To Hysterosalpinogram In Assessment Of Tubal Patency. Presented at The 70th American Society of Reproductive Medicine, Honolulu, HI, October, 2014.


Coyne K, O'Leary K, **Yaklic J**, Whigham LD, **Lindheim SR**. Gestational Carrier (GC) BMI and Reproductive, Fetal and Neonatal Outcomes: Are The Risks The Same With Increasing Obesity? Presented at The 70th American Society of Reproductive Medicine, Honolulu, HI, October, 2014.


**Massengill J**, Lomardini E, Oliva J, Buller J, Gruber D. Ultrasonic thermal damage during robotic hysterectomy. Wright State University/Boonshoft School of Medicine Central Research Forum, Dayton, Ohio, October 2014. – Poster Presentation

**Galloway M**. OR Surgical Simulation, Team training Annual WSU Surgical Symposium Breakout Session, WSU Dept. of General Surgery, Sept. 19, 2014


**Galloway M** Medicine and the Gynecologists: Past, Present and Where we are Going 182nd OMICS Women’s Health, Gynecology & Obstetrics International Meeting, Keynote Speaker Gynecology 2014, Chicago, IL

**Galloway M** The Changing Tides in Gynecologic Surgery Minimally Invasive Options: What we Know and How to Improve Usage and Training Oral Presentation, 182nd OMICS Women's Health, Gynecology & Obstetrics meeting, Gynecology 2014, Chicago, IL

**Consultantships** [sponsor activity]

| Preceptor, Essure Procedures | Conceptus, Inc. | (Dr. Yaklic) |
| Preceptor | Nexplanon | (Dr. Yaklic) |
| Cooper Surgical (Advisor) | (Dr. Lindheim) |
| Abbott Pharmaceutical | (Dr. Lindheim) |
| Progenity | (Dr. Lindheim) |

**Other recognition** [e.g. editorships, reviewer awards]

Ad hoc review committee, Journal of Minimally Invasive Gynecology (Dr. Findley)
Fellow American College of Osteopathic Obstetricians and Gynecologists, April 2007
AOA Board Certified in Obstetrics and Gynecology, October 2006 (Dr. D’Amato)
Recertification AOA Board in Obstetrics and Gynecology, April 2013 (Dr. D’Amato)

Editorial Board, World Journal of Medical Genetics (Dr. Lindheim)
Associate Editor, Video Committee, Fertility Sterility (Dr. Lindheim)
  Editorial Board, Andrology & Gynecology Current Research, (Dr. Lindheim)
Editorial Board, Journal of Gynecology and Obstetrics Medicine (Dr. Lindheim)
Editorial Board, Women’s Health-Open Journal (Dr. Lindheim)

2014 ACOG National Mentor Award - District X (Armed Forces District) (Dr. Massengill)
2014 Awarded Special Experience Identifier: MF – Excellence in Clinical or Academic Teaching - USAF, Medical Corps (Dr. Massengill)

Certified Medical Coder (Angela Smith)
Awarded Best Scientific Paper from Those in Residency, Armed Forces District Meeting. Hospital Based Acute Care Among Patients Recently Discharged from the Hospital for Common Obstetrical and Gynecological Procedures. (Dr. Lynsey Cox)

The Gold Foundation Humanism in Medicine Award, BSOM Student Clinician’s Ceremony (Dr. Napier)

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Summary of Service Activities

Student advising

Advisor to first, second, third and fourth year medical students

Advisor to Ob/Gyn residents (Dr. Barhan)
Director of Ob/Gyn Medical Student Electives, Year 1, 2 and 4 (Dr. Barhan)
Associate Director Residency in Ob/Gyn (Dr. Barhan)

Through the BSOM Advisor Program, acting as monthly advisor to Jasmin Scott, Doctorate of Medicine Candidate, 2015 and Master of Public Health Candidate, 2016 (Dr. D’Amato)
Advisor to Jasmin Scott, Doctorate of Medicine Candidate, 2015 and Master of Public Health Candidate, 2016 – (Dr. D’Amato)

Alyson Marie Grant, Class of 2014; Dan Noble, Class of 2014- (Dr. Duke)
OB/GYN Club Faculty Advisor for 1st and 2nd year medical students gain OB/Gyn clinical knowledge (Dr. Duke)

2nd-year Medical Student Advisor (Dr. Galloway)
Advise MS3 student, Laura Hallstrom, regarding a career in Obstetrics or Family Medicine (Dr. Talbot)

Research Advisor, 3rd-year medical student. Introduced IRB, patient enrollment, data collection and compilation (Dr. Urschel).
Advise MS3 student, Heather Skanes, regarding career in Obstetrics & Gynecology (Dr. Yaklic)
Committee membership/officer

2014 - 2017 Elected to serve on Fellow Armed Forces District Advisory Council, American Congress of Obstetricians and Gynecologists (Dr. Massengill)

2014 - 2017 Elected to be Fellow Air Force Section Vice-Chair, Armed Forces District, American Congress of Obstetricians and Gynecologists (Dr. Massengill)

AOA Life Member (Dr. Talbot)

Wright State University Boonshoft School of Medicine Department of OB/Gyn

Resident Education, Resident Selection Committee, Clinical Competencies Committee and Research (All Faculty)

Faculty Actions Committee Chairperson (Dr. Barhan)

CME Committee (Dr. Barhan)

Faculty Actions Committee (Duke, Galloway, Nahhas)

CME Committee Chairperson (Dr. Duke)

Reproductive Course Steering Committee (Dr. Duke)

Chair, Pre-IRB Committee, Department of Obstetrics & Gynecology. (Dr. Maxwell, Lindheim)

Chair, Tissue Utilization Committee, Department of Obstetrics & Gynecology (Dr. Maxwell, Findley)

Member, Department Researchers Group (Dr. Maxwell)

Boonshoft School of Medicine

Admissions Committee (Dr. Barhan)

Student Promotions Committee (Dr. Barhan)

Biorepository Steering Committee (Dr. Lindheim)

Executive Committee (Dr. Yaklic)

Clinical Chairman Committee (Dr. Yaklic)

Wright State University

Institutional Review Board Committee (D’Amato)

Graduate Medical Executive Committee (Dr. Galloway)

Graduate Medical Education Committee (Dr. Galloway)

PH-WSU Affiliation Council (Dr. Yaklic)

Wright State Physicians

Board (Dr. Yaklic)

Finance Committee (Dr. Yaklic)

Management Committee (Dr. Yaklic)

Pre-IRB Committee Member: August 2014 – present (Dr. D’Amato)
Hospital or affiliated institution [Miami Valley Hospital]

- Perinatal M&M Committee (Drs. Barhan, Duke, Galloway, Yaklic)
- Infection Control Committee (Dr. Duke)
- Miami Valley Hospital Medical Executive Committee Chair (OB/Gyn Dept)
- Miami Valley Hospital Medical Executive Committee Vice-Chair (OB/Gyn Dept)
- Medical Executive Committee, WSU Rep (Dr. Galloway)
- OB Dept. Committee Chair (Dr. Galloway)
- Premier Health Obstetric Safety Committee (Dr. Galloway)
- Obstetric Safety Committee Chairman (Drs. Galloway)
- Subcommittee on Physicians Re-Entry to Work from Leave Of Absence Protocol (Dr. Galloway)
- Gyn Robotic Committee (Dr. Galloway, Dr. Talbot)
- Subcommittee on Physicians Re-Entry to Work from Leave Of Absence Protocol (Dr. Galloway)
- Nutritional Committee (Dr. Lindheim)
- Member, EPIC Research Task Force (Dr. Maxwell)
- OB Safety Committee (Dr. Talbot)
- Bylaws Committee (Dr. Yaklic)
- Ethics Committee (Dr. Yaklic)

Hospital or affiliated institution [Wright-Patterson AFB Medical Center]

- Working Group on Preoperative Process (Dr. Massengill)
- Pharmacy and Therapeutic Committee (Dr. O’Leary)

State

- Ohio Osteopathic Association (OOA) (Dr. D’Amato)
- Ohio State Medical Association (Drs. Barhan, Duke, Talbot)
- Montgomery County Medical Society (Dr. Barhan)

National

- American College of Obstetricians and Gynecologists Fellow (Drs. Barhan, Duke, Galloway, Talbot, Thompson, Yaklic)
- American College of Osteopathic Obstetricians and Gynecologists Fellow (Dr. D’Amato, Galloway)
- American Osteopathic Association (Drs. D’Amato, Duke, Talbot)
Liaison for Women Faculty to the AAMC (Dr. Barhan)
Academy of Medicine, Life Member (Dr. Duke)
American Association of Gynecologic Laparoscopy (Dr. Galloway)
CREOG Region 2 - Representative (Alternate) (Dr. Galloway)
Minimally Invasive Robotic Association (Dr. Galloway)
Web Site Master for Society of Reproductive Surgeons (Dr. Lindheim)
Web Site Master for Society of Androgen Excess Disorders (Dr. Lindheim)
Literature Review Committee for Society for Reproductive Surgeons (Dr. Lindheim)
Web-Site-Literature Review, Androgen Excess-Polycystic Ovarian Syndrome Society (Dr. Lindheim)
Society for Reproductive Endocrine Infertility Practice Committee (Dr. Lindheim)
Resident Education Committee, American Society for Reproductive Medicine (Dr. Lindheim)
Video Committee, American Society for Reproductive Medicine (Dr. Lindheim)
ACOG Committee on Ambulatory Practice Operations (Dr. Massengill)
ACOG Scientific Chair, Annual Armed Forces District 2014 Meeting (Dr. Massengill)
ACOG Planning Committee, Annual Armed Forces District 2014 Meeting (Dr. Massengill)
ACOG 61st Annual Clinical Meeting – Scientific program abstract reviewer (Dr. Massengill)
ACOG 62nd Annual Clinical Meeting – Scientific program abstract reviewer (Dr. Massengill)
ACOG Presidential Initiative on Leadership in the 21st Century, Task Force Member (Dr. Massengill)

Other
Montgomery County Ohio Medical Society (Dr. Barhan, D'Amato, Duke, Galloway, Talbot, Yaklic)
Dayton Ob-Gyn Society (Dr. Barhan)
International Society for the Study of Women’s Sexual Health (Dr. Duke)
Editor Journal of Women’s Health and Gynecology (Dr. Galloway)
GMEC Executive Committee (Dr. Galloway)
Fertility and Sterility (Dr. Lindheim)
Human Reproduction (Dr. Lindheim)
Journal of Assisted Reproduction and Genetics (Dr. Lindheim)
Journal of Clinical Ultrasound (Dr. Lindheim)
Journal Obstetric Gynecology Research (Dr. Lindheim)
Systems Biology in Reproductive Medicine (Dr. Lindheim)
Contributing Editor, OBG Management (Dr. Lindheim)
Abstract Reviewer: The Society of Gynecologic Investigators, The American Society Reproductive Medicine (Dr. Lindheim)
Reviewer, Journal of Gynecology & Obstetric Medicine. Dr. Maxwell
International Academy of Pelvic Surgery (Dr. Talbot)
Patient Care Summary

The department's clinical productivity held strong. As a whole, both civilian and military, our department saw 15,000 patients between the resident clinic and military and faculty practices. We attended more than 1,900 births and performing more than 750 gynecologic procedures in the operating room.

From WPMC: In calendar year 2013, the Wright-Patterson OBGYN department served 6259 patients. There were 18599 visits between the resident clinic and faculty practice. We attended over 380 births and performed 168 gynecologic procedures in the operating room. Dr. Lindheim spearheaded creation of the Polycystic Ovary Syndrome Multidiscipline Team of Nutritionists comprised of an Aesthetician- Internist- Accupucturist as well as creating an Oncofertility Consortium.

Honors and Awards

Humanism Award- presented by WSU BSOM (Dr. Barhan)
Physician Role Model Award-(Dr. D’Amato)
2014 APGO Excellence in Teaching Award (Dr. Talbot)

CREOG National Faculty Teaching Award
To a faculty member chosen by the residents for promoting high standards of residency education in OB/Gyn.
Recipient ~ Nancy Lo, MD

Clinical Faculty Award
Awarded to a volunteer faculty member chosen by the residents for superior performance & excellence in teaching & academics
Recipient ~ James Horlacher, MD

Physician Role Model Award
Awarded to a faculty member chosen by the residents for possessing and demonstrating the personal and professional qualities our residents wish to emulate.
Recipient ~ Josette D’Amato

APGO Award
To a faculty member chosen by the residents for promoting high standards of residency education in OB/Gyn.
Recipient ~ Ted Talbot, MD
Hosted events [CME, etc.]

**Weekly Department Grand Rounds**: presentations by department faculty and guests (specific titles listed in education)

**2nd year Boonshoft School of Medicine Reproduction Course** ~ Starting with the physiologic principles of both the male and female reproductive systems, this course proceeds with the acute and chronic diseases of the reproductive organs and introduces the important aspects of perinatal medicine. (Dr. Duke Course Director)

**Class of 2014 Residency Graduation:**

- **Patrick Beeman, MD** ~ Beginning his new Air Force Assignment at Scott Air Force Base in IL
- **Daniel Micsunescu, MD** ~ Beginning his new Air Force Assignment at Yokata AFB in Japan
- **Kathryn Newton, MD** ~ Joining Wright State University OB/GYN Faculty
- **Keira Urschel, MD** ~ Joining Wright State University OB/GYN Faculty
- **Elizabeth Wirth, MD** ~ Joining University of Pennsylvania Horizon Medical Center in Hermitage, PA
- **Halei Wong, MD** ~ Beginning her new Air Force assignment at Eglin Air Force Base in Ft. Walton, FL

**Resident Research Day**

Residents presented and faculty members who mentored and sponsored them:

- **Mercedes Thompson, M.D., R3**, (Sheela Barhan, M.D.)
  *Overall rates of breastfeeding initiation and continuation and the barriers that result in discontinuation*

- **Matt Cowan, D.O., R3**, (Walid Kassem, M.D.)
  *Post operative sling adjustment*

- **Lynsey Cox, M.D., R3**, (Justin Fox, M.D., Andrea Shields, M.D.)
  *Risk Factors for Hospital- Based Acute Care Use among patients recently discharged from the hospital after outpatient obstetrical and gynecological procedures*

- **Samantha Houser, D.O., R3**, (Amol Malshe, M.D.)
  *Does a reduction in insulin requirements in diabetic pregnancies exposed to betamethasone implicate development of pre-eclampsia with severe features involving acute renal injury?*

- **Stephen Kujansuu, M.D., R3**, (Amol Malshe, M.D.)
  *UA Doppler’s and changes in insulin requirements in patients with pre-eclampsia and diabetes*
Jacqueline Vidosh, M.D., R3, (Andrea Shields, M.D., Heather Gray)
Pregnant patient’s attitudes and perceptions regarding call free fetal DNA testing

**Presented the program’s Excellence in Teaching Award**

*Judges: Keri Baacke, M.D., David Cool, Ph.D., Steven Lindheim, M.D., Marvin Miller, M.D.*

Other information

Ongoing Research
(Dr. Galloway):

- Resident Education and GYN Surgery
- Minimally Invasive/Robotic Surgery
- Hysterectomy Evolution: The Transition with Robotic Assistance in a Large Inner City Hospital
- Resident Training in Robotic Assisted Gynecologic Surgery
- Obstetric Safety
- Surgical Training with Simulation
- Obstetric Training with Simulation (WSU OB/Gyn Dept Project)
- Brethen Center Research Committee
- Residency Training Network -founding Member (National Consortium-Duke, UNC, John Hopkins, Harvard, Lehigh Valley, Cleveland Clinic, Florida Hospital, Wright State University)
- Robotic, Laparoscopic Surgical Application –(joint project with WSU Biomedical Engineering Department

(Dr. Lindheim) IRB Protocols:

- Can Contrast Infused Sonography Using Air Bubbles Replace Hysterosalpingogram as the Diagnostic Evaluation of Fallopian Tube Patency Following Hysteroscopic Sterilization Using Essure™?

- Hysteroscopic Morcellation and Tissue Effects: An *Ex Vivo* Feasibility Study

- Incidence and Functional Viability of Disseminated Endometrial Cancer Cells During Hysteroscopic Morcellation:An *Ex Vivo* Study

- Health-related quality of life measurement in women with polycystic ovary syndrome on combined oral hormonal contraception

- Human Tissue Cryopreservation for Future Experimental Research

- Banking and Disbursement of Tissue and other biologic materials

- Non-Invasive Bio-Markers Using Proteomic, Glycomic, and Metabolomic Analysis In Diagnosing Women With Endometriosis

- Improving the Informed Consent Process for Infertile Patients Using the Assisted Reproductive Technology Insight Screening Tool (ARTIST)
(Dr. Lindheim):
Grant Submissions:
Bayer HealthCare: Can Contrast Infused Sonography Using Air Bubbles Replace Hysterosalpingogram as the Diagnostic Evaluation of Fallopian Tube Patency Following Hysteroscopic Sterilization Using Essure™? ($82,000)

Wright State University, Boonshoft School of Medicine: Non-Invasive Bio-Markers Using Proteomic, Glycomic, and Metabolomic Analysis In Diagnosing Women With Endometriosis ($50,000)

Abbvie: Non-Invasive Bio-Markers Using Proteomic, Glycomic, and Metabolomic Analysis In Diagnosing Women With Endometriosis ($220,000)

Hologic: Hysteroscopic Morcellation and Tissue Effects: An Ex Vivo Feasibility Study ($30,000)

Hologic: Incidence and Functional Viability of Disseminated Endometrial Cancer Cells During Hysteroscopic Morcellation: An Ex Vivo Study ($60,000)

(Dr. Massengill):
Does symptom severity predict response to botulinum A toxin for the treatment of urge urinary incontinence?  WRNMMC - Associate Investigator

Biomechanical properties of the swine pelvic support ligaments. USUHS/Virginia Polytechnic University - Associate Investigator

Evaluation of pressure changes in the abdominal cavity during paracentesis performed for moderate to severe OHSS. National Institute of Health/WRNMMC - Associate Investigator