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Quillen College of Medicine Scholarly Activity Report

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### 2018-2019 Department of Obstetrics and Gynecology Scholarly Activity Report

Quillen College of Medicine, East Tennessee State University

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#### Recommended Citation

Quillen College of Medicine, East Tennessee State University, "2018-2019 Department of Obstetrics and Gynecology Scholarly Activity Report" (2019). *Quillen College of Medicine Scholarly Activity Report*. 31. <https://dc.etsu.edu/qcom-scholarly-activities/31>

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**EAST TENNESSEE STATE UNIVERSITY  
JAMES H. QUILLEN COLLEGE OF MEDICINE**

**SUMMARY OF SCHOLARLY ACTIVITIES  
DEPARTMENT OF OBSTETRICS AND GYNECOLOGY  
2018 - 2019**

**I. PUBLICATIONS**

**A. Journal Publications**

Alexander C, **Breuel KF**, Olsen M. "Substances Abused in Pregnancy", *Journal of Substance Abuse Treatment*, Submitted for Review 2019

Bazyler C. **Breuel KF**. "Comparing the Cost Effectiveness of a Celiac Disease Panel to a Testing Cascade" *International Journal of Celiac Disease*, 2018

Bazyler CD, Mizuguchi S, Zourdos MC, Kimitake S, Kavanaugh AA, DeWeese BH, **Breuel, KF**, Stone MH. "Characteristics of a National Weightlifter Peaking for Competition: A Case Study", *The Journal of Strength and Conditioning Research*, November 2018

**El Ado Mikdachi H**, Spann E. "Candida glabrata Fungemia Following Robotic Total Laparoscopic Hysterectomy and Bilateral Salpingo-oophorectomy in a Patient with Recurrent Vulvovaginitis: A Case Report" *Cureus*.11(3): e4349 2019

**El Ado Mikdachi H**, Schreck A. "Robotic Hysterectomy in the Obese Patient: Tips and Tricks for the Benign Gynecologist" *Int J Gynecol Clin Pract*. 5: 146, 2018

**El Ado Mikdachi H**, Mann L. "Transgender health Simplified: A Concise Guide to the Gynecologist" *Cur Op Gyn Obs*, 1(1): 56-65, 2018

Jewett BE, Wallace RL, **Sarkodie OI**. "Pseudotumor Cerebri Following Nexplanon® Implantation", *Cureus Journal*, May 18, 2018

**Olsen M**. Walker Jessica. "Provision of Buprenorphine to Pregnant Women by For-Profit Clinics in an Appalachian City" *South Med Jour*, October 2018; 111(10): 575-578.

**Ransom MX**, Olsen M, Keder L. "Oncofertility" & "Surgery & Infertility" eds. *Gynecologic Care* Cambridge University Press 2018

**Ransom MX.** "The artistic depiction of Christ's crucifixion: history meets biomechanics" *Hektoen International A Journal of Medical Humanities*, 2019

Rivera-Valenzuela M, Thati A, Tejeida-Estrada R, **Breuel KF**, Gonzalez-Estrada A. "Healthy Children from the Appalachian Region Have Different Immunoglobulin Concentrations When Compared with A Standardized Scale" *Journal of Clinical Immunology, Allergy*, Submitted for review

Schreck A, **El Ado Mikdachi H.** "Benign Ovarian Tumors in Pregnancy: A Case Report of Metachronous Ipsilateral Recurrent Mucinous Cystadenoma in Initial Pregnancy and Mature Cystic Teratoma in Subsequent Pregnancy" *Cureus*. 11(1): e3718, 2019

Stone WL, Wood DL, Justice NA, Shah DS, **Olsen M**, Bharti D. "The Systems Medicine of Neonatal Abstinence Syndrome", *Frontiers in Bioscience*, Submitted for publication, June 2019

**B. Books or Chapters**

**C. Proceedings**

**II. PAPERS, ABSTRACTS AND/OR PRESENTATIONS**

**A. Regional and National**

**El Ado Mikdachi H.** LIGO Conference, Teaching Faculty, April 2019

**El Ado Mikdachi H.** "Caring for the Transgender Patient: A Gynecologist's Perspective", 23<sup>rd</sup> Annual Louis A. Cancellaro Primary Care Conference, Oral Speaker, Oral Presentation, Johnson City, TN, March 2019

**B. International**

**El Ado Mikdachi H.** "Robotic Surgery for Benign Gynecology in the Obese Patient: Tips and Tricks for the Benign Gynecologist." Oral speaker, Scientific Program, World Congress on Gynecology and Obstetrics, Toronto, Canada, September 2018

**III. INVITED PRESENTATIONS**

**Edwards-Silva R**, Invited Lecturer "Hypertensive Disorders in Pregnancy", East Tennessee State University, Family Medicine Physicians Resident Lecture, Johnson City, TN. January 16, 2019

**Edwards-Silva R**, Invited Lecturer, "*Prenatal Genetic Screening and Diagnosis 2019*", East Tennessee State University, Pediatric Physicians Resident Lecture, JCMC 7<sup>th</sup> floor Auditorium, May 22, 2019

**Edwards-Silva R**, Invited Physician, Social Media, Video on YouTube for Cherished Mom on Maternal Mental Health and Well-Being, March 2019

**Edwards-Silva R**, Invited Physician, Social Media, Video on YouTube for Cherished Mom on Perinatal Mood and Anxiety Disorders, July 2019

**Holmes S**. ETSU OB/GYN Grand Rounds, "Controversies in Obstetrics", Report from annual MFM Pregnancy meeting, May 2019

Patel M, **Huffaker RK**. "Innovations in Women's Pelvic Health Solutions: Evaluating the use of decellularized dermal allografts in improving patient outcomes." Presented as a pre-recorded on-demand CME accredited webinar via North American Center for Continuing Education (NACCME). Served as lead faculty. Release date: September 29, 2018.

**Jernigan TW**. "Menopause: The Great Transition," Department of Internal Medicine Academic Half Day Conference resident lecture, September 11, 2018.

**Jernigan TW, Reynolds B, Rouse A**. "Cardinal Movements of Labor," along with a simulation of a spontaneous vaginal delivery. Emergency Medical Services Experiential Team-Based Learning and Simulation (EMS-XTLS Conference), Stanton Gerber Hall, Quillen College of Medicine, East Tennessee State University, August 11, 2018.

**Jernigan TW**. ABIM Review of OB/GYN, Quillen College of Medicine, Department of Internal Medicine, April 2019

**Jernigan TW**. "Woman's Health Module", Milligan College, Lectures 12 hours, November 2018

**Reynolds B**. "Breastfeeding 101," East Tennessee State University, Breastfeeding Conference Speaker, August 2018

**Sarkodie OL**. "Common Complications of Labor", Lecture, Quillen College of Medicine, Department of Family Medicine, January 2019

#### IV. OTHER

**Breuel KF.** Judge, Upper East Tennessee Regional Science Fair, March 23, 2019  
Bazyler C, Satoshi M, Stone M, **Breuel KF.** Abstract by Perkins A, ETSU Thesis Committee Member, "Relationship of the SRSS Questionnaire with Physiological and Performance Measures", August 2018

**Breuel KF, Olsen ME.** Collaborator, "Substance Abuse in Pregnancy", 2018-2019

**Cronin A.** Administrative Chief Resident, 2018

**Edwards-Silva R,** "Pregnancy: An Open Window to A Woman's Future Health", East Tennessee State University, Grand Rounds Department of Obstetrics and Gynecology, Niswonger Conference Room JCMC, May 3, 2019

**Edwards-Silva R.** Developer and Faculty, 2<sup>nd</sup> Annual Breastfeeding Educational Symposium: Celebration of Breastfeeding, Niswonger Children's Hospital, August 10, 2018

**Edwards-Silva R.** Developer, "2018 ETSU Breastfeeding Curriculum for OB/GYN Resident Education," New Educational Program, August 2018

**Edwards-Silva R,** Kozinetz, C, Want, K, Fox S, Shaw, D. Co-investigator, NIH Grant Submission, "Early Life Exposures in Rural US: Smoking, Opioid Use Disorder, and the Infant Microbiome," Submitted October, 2018

**Edwards-Silva R.** "Antenatal Education on Breastfeeding in the Office," Quality improvement project, 2017-present

**El Ado Mikdachi H.** "The Vaginal Monologues", General Surgery Grand Rounds, May 2019

**El Ado Mikdachi H.** Reviewer, Journal of Minimally Invasive Gynecologic Surgery (JMIG), October 2018-present

**El Ado Mikdachi H, Huffaker RK,** Dodson M. Faculty, Resident Laparoscopic Cadaver Lab, Quillen College of Medicine, Johnson City, TN, May 17, 2019

**El Ado Mikdachi H.** Faculty for Resident Laparoscopic Cadaver Lab, Quillen College of Medicine, East Tennessee State University, Johnson City, Tennessee, May 17, 2019

**Holmes S.** Tennessee Initiative for Perinatal Quality Care (TIPQC) – Long Acting Reversible Contraception (LARC), Department representative to JCMC planning committee, Continued 2018-2019

**Holmes S.** Tennessee Initiative for Perinatal Quality Care(TIPQC)—Long-Acting Reversible Contraception (LARC) Inception Committee, July 2018 – present

**Holmes S.** Chair, Washington County Department of Obstetrics and Gynecology, July 2017 – present

**Huffaker RK,** Marquette, M. “DermaPure Pubovaginal Sling” project, Current study in process.

**Huffaker RK.** Presentation, Council of University Chairs in Obstetrics and Gynecology ProLog Review, October 5, 2018

**Huffaker RK.** Presentation, Critical Appraisal of Medical Literature, Niswonger Children’s Hospital, Conference Room 2, October 5, 2018

**Huffaker RK.** Editorial Board Member, International Urogynecology Journal, 2015 -- present

**Huffaker RK.** Reviewer, Female Pelvic Medicine & Reconstructive Surgery, 2015-present

**Huffaker RK.** Reviewer, International Urogynecology Journal, 2015-present

**Huffaker RK.** Developer and Faculty for Resident urogynecology Cadaver Lab, Quillen College of Medicine, East Tennessee State University, Johnson City, Tennessee, May 17, 2019

**Murphy J.** “Postpartum Depression”, Media Interview, WJHL News, March 26, 2019

**Olsen ME.** Tennessee Initiative for Perinatal Quality Care, invited participate, 2019-2022

**Olsen ME,** Bharti D, Shah D, IRB Study-1 “Follow-up of neonates born to pregnant women on buprenorphine,” Approved by IRB. Study currently in process.

**Olsen ME.** Breuel K, Alexander C. IRB Study-2 “Substance Abused in Pregnancy,” Approved by IRB. Submitted for publication.

**Olsen ME.** IRB Study-3 “Follow-up neonates born to pregnant women weaned off buprenorphine.,” IRB approval in process.

**Olsen ME.** Consultant on NIH grant submission long term outcome of opiate exposed neonates, Winter 2019

**Olsen ME.** Oral Board Examiner, American Board of Obstetrics and Gynecology, 2002 – present

**Olsen ME.** Southwest Market Medical Staff Meeting “Controlled Substance Safe Prescribing” Franklin Woods Community Hospital Summit, January 15, 2019

**Olsen ME.** “LGBT Health” Keystone Course: Transition to Residency Medical Students, VOTAW Auditorium, CEB Johnson City, TN, April 10, 2019

**Olsen ME.** Reviewer, Journal Pediatric Adolescent Gynecology, 2012 – 2016, 2019

**Olsen ME.** Reviewer, Southern Medical Journal, 1994, 2002, 2013, 2015, 2018, 2019

**Olsen ME.** WJHL appearance on Neonatal Abstinence Syndrome prevention <https://www.wjhl.com/local/local-initiative-aims-to-reduce-number-of-babies-born-addicted-to-drug/1665283273> , December 2018

**Reynolds B.** Protocol Project for ERAS Obstetrics Study. Study currently in process

**Reynolds B.** “Practical Breastfeeding,” 2018 Breastfeeding Educational Symposium: Celebration of Breastfeeding, Niswonger Children’s Hospital, Conference Room 1 and 2, August 10, 2018.

**Sarkodie OL.** ACOG OBGYN PAC Member, Contributor received a full sponsorship for ACOG’s Congressional Leadership Conference 3/10-3/12, 3/2019

**Sarkodie OL.** Oral Board Examiner, American Board of Obstetrics and Gynecology, November 2018

**Willis D.** “Cesarean Section Scare Identification by Ultrasound.” Recruitment ended March 2019.

**Willis D.** “24-hour Urine Protein in Hypertensive Pregnancy.” In progress 2018-2019, estimated completion by July 2019.

**Willis D.** Neurological Injury Compensation Association/State of Florida Birth Related Neurologic Injury 2000-2018

**Willis D.** Neurological Injury Compensation Association, Review of all Pregnancy Outcomes that Result in Severe Neurologic Injury to Babies, 2000 – present

### **Resident Research**

Breuel KF, Hjerpe K, **Wood, T.** Collaborator, Determining Prevalence of Trichomoniasis in the Pregnant Population of Eastern Tennessee, Resident Research Project, 2018-2019

**Edwards-Silva R.** 2019 Appalachian Student Research Forum

Fasanmi OS, **Edwards-Silva R.** Clinical Field Preceptor and Faculty Research Advisor for MPH Graduate Student, *The Unique Interplay of Peripartum Cardiomyopathy and Preeclampsia in an Appalachian Obstetric Patient*, , Department of Biostatistics and Epidemiology, College of Public Health, and Department of Obstetrics and Gynecology, East Tennessee State University, Quillen College of Medicine, Millennium Center, Johnson City, Tennessee, April 12, 2019.

Rouse A, **Salyer, T.** Quality Improvement Project Focusing on Postpartum Care 2018.

Sarkodie OL, **Marquette, M.** Case Report Advisor, "Manual Extraction of Focal Placenta Accreta after VAVD", Ready for publication pending pathology slides.

Sarkodie OL, **Spann E.** QI Project Advisor, "Informed Consent for ECV at JCMC", Presented to IRB for approval.

Sarkodie OL, **Salstrom P.** Research Advisor, "Necessity of Doxycycline Prior to D&C for MAB", Preparing to submit to IRB

Sarkodie OL, **Phelps A.** Research Advisor, HIV Screening and a case report correcting late decelerations with adequate maternal glucose control in patient with a normal testing results for GDM, 2018-2019

Martin E. Olsen, MD Resident Research Competition, June 7, 2019, Clinical Education Building 1, Votaw Auditorium, Johnson City, TN

**Brad Wood**, Edwards-Silva R. Case Report: "Early HELLP Syndrome in the Setting of Potter Sequence", 2018-2019

**Alyssa Phelps**, Sarkodie O. Mentor, "Fetal Decelerations Resolved by Unrestricted Oral Intake in a Non-diabetic Patient", 2018-2019

**Arielle Schreck.** "Transgender Issues in Healthcare System", 2018-2019

**Charlotte Alexander.** "High Prevalence of Buprenorphine in Prenatal Drug Screens in an Appalachian City", 2018-2019

**Khaki Marquette**, Sarkodie O. Mentor, Case Report: "Uterine Preservation after Vaginal Delivery with Manual Extraction of Focal Placenta Accreta", 2018-2019

**Pete Salstrom.** "Surgical Pelvic Anatomy for Medical Students", 2018-2019

**Lauren Mann.** Case Report: "Uterine Didelphys and Endometriosis Presenting as Acute Right Lower Quadrant Pain", 2018-2019



**Ron Reyes.** "Immediate post-partum LARCs: Focus on Preventing Short Interval Pregnancies", 2018-2019

**Taylor Salyer.** Poster Presentation: "Postpartum Care at ETSU: A Quality Improvement Project", 2018-2019

**Jennifer Solomon.** Poster Presentation: "Normal 24-Hour Urine Protein Levels in Hypertensive Pregnancies", 2018-2019

**Emily Spann.** Poster Presentation: "Can 'Wheelchair Barbie' Be Seen in Our Clinic?", 2018-2019

**Jessica Walker.** Poster Presentation: "Use of Thiel Cadavers in Obstetrics and Gynecology Resident Training in Hysteroscopy", 2018-2019

#### **Other Departmental**

**Breuel, KF.** ETSU Clinical Lab Training Rotation, (1 Week/Rotation), Medical Laboratory Technology Program, Northeast State Community College, 15 Students, 2018-2019.

**Hjerpe, K.** NIH Study: Electronic cigarette during pregnancy partnered with Family Practice Department and University of Connecticut, in process

**Willis D.** Coordinated establishment of Advanced Maternal Age Genetic clinic with Pediatric Genetic, In progress

### **V. VISITING PROFESSORS**

Name: Mark K. Dodson, MD  
Title: Associate Professor  
Institution: University of Utah  
Date: May 16, 2019  
Event: 24<sup>th</sup> Annual Dr. Dillard M. Sholes Jr., and Mrs. Mattie E. Sholes Distinguished Lectureship  
Topic: "Surgical Site Infections and Wound Management"

### **VI. EXTRAMURAL FUNDING**

#### **A. Peer Review**

**Rouse A.** Johnson City Medical Center Department of OB/GYN Peer Review  
Committee Member, 2011-present

**B. Other Sponsored Activities**

<b>Faculty</b>	<b>Agency</b>	<b>Project Period</b>	<b>Current Year Award</b>	<b>Total Award</b>
Chair	Northeast TN Regional Perinatal Center (MSHA/MEAC)	7/1/2018 - 6/30/2019	\$70,600	\$70,600