As one of five funded proposals, the KUSM-W Department of Obstetrics and Gynecology received a $20,000 grant from the WCGME-KBA Pilot Studies Funding Program last November. The long-term goal of our proposal is to improve breastfeeding outcomes for women in the Wichita community.

To achieve this goal, the project will pilot the implementation of recommendations made by the Academy of Breastfeeding Medicine in Clinical Protocol #14: Breastfeeding-Friendly Physician’s Office at three local obstetrical sites.

Working with the three local obstetrical clinics, recommendations were selected to create a protocol that could be feasibly implemented. The study is a collaborative effort by our department, the three clinics serving as pilot sites (Mid-Kansas Women’s Center, Associates in Women’s Health, and Wichita Ob/Gyn Associates), and the Department of Public Health Services at Wichita State University.

Clockwise from top left: David A. Grainger, MD, MPH (Principal Investigator), Ashley Robbins, MD (Co-Investigator), Victoria Kindel, MD (Co-Investigator), and Edmond Feuille, MD (Co-Investigator)

David A. Grainger, MD, MPH will serve as the Principal Investigator of the project. Ashley Robbins, MD, Victoria Kindel, MD and Edmond Feuille, MD will be serving as Co-Investigators. Residents and medical students will assist with data collection during the course of the study.

Mid-Kansas Women’s Center will be the first clinic to implement the protocol, and the study will kick-off in September 2016.

Additional Readings:
Academy of Breastfeeding Medicine Clinical Protocol #14: Breastfeeding-Friendly Physicians’ Office Protocol
Did You Know...Dr. Travis Stembridge Receives the 2016 Wichita Business Journal Healthcare Heroes Lifetime Achievement Award

Travis Stembridge, MD is one of two individuals selected to receive the Lifetime Achievement Award in the Wichita Business Journal’s 2016 Health Care Heroes.

Dr. Stembridge has served as the Program Director for the KU School of Medicine—Wichita Obstetrics and Gynecology Residency Program since 1998. However, he has served as an educator, and continues to do so to numerous physicians graduating from our highly-esteemed program for the last 40 years. In addition to being honored during a special recognition dinner at the Health Care Heroes award dinner in September, Dr. Stembridge will be profiled in the September 16th issue of the Wichita Business Journal.

Chairman’s Corner

Thanks to our faculty for all of their efforts in resident education. Part of our commitment to graduate medical education is a commitment to scholarly activity and life-long learning. The ACGME is very interested in the scholarly activity of both the residents and the faculty – faculty scholarly activity will be crucial in maintaining accreditation.

Scholarly activity takes many forms, and really is the driver for the creation of the new faculty point system. This point system is an effort to encourage and record existing behaviors that are counted towards scholarly activity. Additionally, this record keeping will be of great assistance in the academic promotion process. I strongly encourage our entire faculty to actively engage in this process. Academic ranks for our department include Clinical Instructor, Clinical Assistant Professor, Clinical Associate Professor, and Clinical Professor. Board certification moves faculty from Clinical Instructor to Clinical Assistant Professor. We anticipate advancement in rank every five years. The guidelines for advancement can be found here. You will find that the point system encompasses all of the elements needed for advancement.

Thank you again for your unceasing efforts in educating the next generation of OB GYN’s.
10...9...8...The ROBIN Trial Continues

Edgar LeClaire, MD and Rachel Wykes, MD, PGY-4 have surpassed the halfway point in enrolling patients for their randomized controlled pilot trial.

The study aims to assess the effectiveness of Belladonna and opiate suppositories as an adjunct to standard analgesia for improved Botox (Allergan®) injections into the bladder.

The study is currently enrolling patients. Patients must have elected to receive injection therapy for treatment of overactive bladder (OAB), neurogenic detrusor overactivity (NDO), or refractory interstitial cystitis (IC), and have failed initial medical management.

If you have any questions about this study or have patients that may potentially be eligible, please contact Dr. LeClaire. Let the countdown begin!

Bryan Baker, RN, MSM, CCRC
Phone: (316)425-6333
Email: bryan@cypressmrc.com

CMRC Clinical Research Studies

Currently Enrolling

Moderate to Severe Vaginal Dryness due to Menopause (Shionogi, Inc. 1517I0231): To assess ospemifene relative to placebo in treatment of VVA, on bone mineral density over 104 weeks, and breast tissue density over 104 weeks

Postpartum Depression (Sage 547-PPD-202): To determine the efficacy and safety of SAGE-547 infused intravenously for 60 hours in reducing depressive symptoms in subjects with PPD compared to placebo

Nausea/Vomiting among Pregnant Adolescents (Duchesnay PED-301): To compare the efficacy and safety of Diclegis® for the treatment of nausea and vomiting in pregnant adolescents aged 12-17 years versus placebo

Uterine Fibroids (AbbVie M12-815): To assess the efficacy, safety and tolerability of elagolix 300mg BID in combination with E2/NETA versus placebo to reduce heavy menstrual bleeding associated with uterine fibroids in premenopausal women 18-51 years of age

Iron Deficiency Anemia (AMAG AMAG-FER-IDA-304): To evaluate the safety of IV ferumoxytol compared to IV FCM for the treatment of IDA

Atrophic Vaginitis (Teva 71436001): Evaluate the therapeutic equivalence of the test formulation (Estradiol Vaginal Cream) to the marketed product, Estrace Cream in patients with atrophic vaginitis

Vulvar and Vaginal Atrophy Associated with Menopause (Glenmark GLK-1502): To demonstrate the Estradiol Vaginal Tablets administered intravaginally once daily for 14 days has comparable efficacy to Vagifem in subjects with moderate to severe symptoms of VVA associated with menopause

Primary Amenorrhea with Hypogonadotropic Hypogonadism (LutrePulse 000070): To compare the ovulation rate in women with primary amenorrhea with hypogonadotropic hypogonadism following each of 3 doses of SC pulsatile GnRH administered with the LutrePulse OmniPod Pump versus placebo

Page 3
Quality improvement is an activity specifically initiated with a goal of improving the performance of medical practice in relation to an established standard.

This past year, Lauren O’Brien, MD (Class of 2016), Anna Haring, MD, PGY-3, and Tessa Winterton, MD, PGY-3, advised by Zachary Kuhlmann, DO and Travis Stembridge, MD, completed a quality improvement project assessing compliance with the labetalol protocol on the labor and delivery unit.

Their assessment determined that out of 178 cases in which the protocol was initiated, no cases were compliant with the entirety of the Wesley protocol. Failures in the protocol adherence include inadequate blood pressure assessments and lack of appropriate treatment.

Adherence to the protocol could be significantly improved, and clinicians aim to determine whether competing protocols may be attributing to the lack of

Quality improvement is not a new concept, however, it has been a challenge integrating quality improvement education into graduate medical education.

Over the last few years, our program struggled to find an appropriate “fit” for our residents. The Wesley Quality Improvement Academy seemed like the good solution, but our residents are oftentimes in surgery, running to clinic, or post-call.

Based on resident feedback, our program’s curriculum will now focus on utilizing the Institute for Healthcare Improvement Open School Modules. Second year residents are required to complete six, 1.5-2 hour modules and quizzes to understand basic quality improvement concepts. Although research is limited regarding using the Open School in graduate medical education, two studies have demonstrated its potential in health professions curricula.1,2 Tessa Winterton, MD, PGY-3, one of the authors referenced, provided recommendations as to which modules would be most suitable.

Additionally residents will be required to attend two local quality improvement conferences in order to interact with local clinicians and teachers actively engaged in quality improvement.

The Open School Modules are available online, and at no cost to our program. As our own (educational) quality improvement project, we look forward to the residents’ feedback, as well as input from other programs teaching quality improvement to residents.

References:
Gamification – the addition of game-like elements such as points, badges, and leader boards – has garnered intense interest recently because it provides objective feedback in a fun format. It has been shown to increase intrinsic motivation and learning in education settings.

As a novel approach to medical education, we considered possibly gamifying the obstetrics and gynecology clerkship.

Angela Strang, MD, PGY-4 and David A. Grainger, MD, MPH worked with the Wichita State University Department of Psychology Human Factors to conduct this project.

The purpose of this study was to determine whether gamification of curriculum elements was a suitable option for motivating students and detailing their competency for surgical skills during the clerkship.

A survey and two subsequent focus groups evaluated satisfaction with current feedback methods. Third and fourth year medical students who had completed the OB/GYN clerkship rotation participated in the survey and focus groups.

Results indicate our clerkship is superior in terms of feedback. This is attributed to multiple opportunities for feedback regarding surgical skills, as well as feedback given weekly throughout the clerkship.

Overall, students reported that being intrinsically motivated to succeed in a competitive environment made them apprehensive about gamification. While students were open to intrapersonal gamification, such as tracking their clerkship progress, they were not enthusiastic about many gamification elements typically reported in the literature.

We look forward to conducting follow-up studies examining the application and extent of gamification to medical education.

Do you have any bright ideas?

Do you have a research project idea? Or are you interested in conducting a quality improvement project?

We have a waiting list of medical students interested in conducting research during their 3rd/4th year and are looking for OB/GYN projects. Please email jduong@kumc.edu if you have a potential project you’d like to add to our running list or if you are ready to get started!
Recent Research/QI Accomplishments

As of the last newsletter, the KUSM-W Department of Obstetrics and Gynecology residents and faculty have accomplished the following:

**Publications:**


**Poster Presentations:**

Boender D, Duong J, Dong F, Grainger D. Self-Directed Learning: Can There Be Too Much in Medical Education? Poster presentation at the 2016 CREOG and APGO Annual Meeting; March 2-5, 2016; New Orleans, LA.

Strang A, Dong F, Duong J, Sobbing J. Is Electronic the Way to Go: Resident Feedback to Medical Students during Clerkship. Poster presentation at the 2016 CREOG and APGO Annual Meeting; March 2-5, 2016; New Orleans, LA.


Lueking A, Kubendran S, Dong F, Duong J, Farley D. Protocol for Optimizing Detection of Chromosome Abnormalities in Miscarriage and Stillbirth. Poster presentation at the 2016 ACOG Annual Clinical and Scientific Meeting; May 14-17, 2016; Washington, D.C.

Mancillas A, Dong F, Robbins A, Duong J, Farley D. Stillbirth: A Retrospective Case Review Evaluating Risk Factors and Antepartum Care at Two Midwestern Obstetrical Clinics. Poster presentation at the 2016 ACOG Annual Clinical and Scientific Meeting; May 14-17, 2016; Washington, D.C.

Bertschy T, Pham T, Duong J, Hervey A, Berg G, Kuhlmann Z. Patient-Involved Structured Debriefing after Cesareans Improve Labor and Delivery Team Perceptions of Communication and Safety. Poster presentation at University of Kansas School of Medicine – Wichita Research Forum; April 21, 2016; Wichita, KS.

Bron M, Duong J, Kuhlmann Z, Tatpati L. Assessing Medical Knowledge: Innovating the Curriculum in an Obstetrics and Gynecology Residency Program. Poster presentation at University of Kansas School of Medicine – Wichita Research Forum; April 21, 2016; Wichita, KS.

O’Brien L, Winterton W, Haring A, Duong J, Stembridge T, Kuhlmann Z. Administration of IV Labetalol Protocol for Treatment of Hypertensive Crises on the Labor and Delivery Unit at Wesley Medical Center. Poster presentation at University of Kansas School of Medicine – Wichita Research Forum; April 21, 2016; Wichita, KS. Awarded 1st Place for Outstanding Poster by a Resident.

Uppendahl L, Tatpati L, Farley D, Kuhlmann Z. Management of Twin Gestation in a Bicornuate Uterus with a Pregnancy in Each Uterine Horn: A Case Study. Poster presentation at University of Kansas School of Medicine – Wichita Research Forum; April 21, 2016; Wichita, KS.

Jacobson LT, Grainger DA, Duong J, Collins TC, Anderson B. Pioneer Baby – A Quality Improvement Initiative to Improve Pregnancy and Birth Outcomes in Rural Western Kansas. Poster presentation at University of Kansas School of Medicine – Wichita Research Forum; April 21, 2016; Wichita, KS.

Jacobson LT, Duong J, Grainger DA, Farley D, Wolfe M, Dong F, Anderson B. Pioneer Baby – Perceptions of Periconceptional Weight among a Low-income Rural Pregnant Population in Kansas. Poster presentation at University of Kansas School of Medicine – Wichita Research Forum; April 21, 2016; Wichita, KS.

Have questions or information for the next newsletter? Contact Jennifer at jduong@kumc.edu