Supervisor/Project Information Form

Due February 6, 2020 by email to crems.programs@utoronto.ca

Supervisor Name: Drs. Lindsay Shirreff, Ally Murji and Jodi Shapiro

Project Title: SURGICAL GYNAECOLOGY QUALITY SCORECARD
Sub-Study: Does level of training of the surgical assistant impact patient outcomes for hysterectomy procedures performed by general gynaecologists?

Hospital/Research Institution: Mount Sinai Hospital

Email: lindsay.shirreff@sinaihealthsystem.ca

Field of Research (2 keywords): quality improvement, surgery

Department: Obstetrics and Gynaecology

School of Graduate Studies Appointment (IMS, LMP, IHPME etc)? Yes/No: NO
If YES, please name: n/a

Brief Project Description (<300 words):
We have created an online scorecard for hysterectomy procedures distributed biannually at eight Southern Ontario hospitals (~100 surgeons) with approximately 4000 hysterectomies in our retrospective database. Our scorecard will be expanded to include 10 sites with over 150 surgeons in Canada in the next year. The CREMS student will help with data entry and assist in analysis and manuscript preparation for the following sub-study:

Title: Does level of training of the surgical assistant impact patient outcomes for hysterectomy procedures performed by general gynaecologists?
Study Objectives: 1) To determine if the level of surgical assistant impacts clinical outcomes for patients at the time of hysterectomy. 2) To evaluate whether Staff surgical assistance improves clinical outcomes compared to a trainee assistant.
Design: Retrospective review
Setting: 6 Ontario, Canada hospitals
Participants: Patients undergoing hysterectomy from July 2016-December 2018

Intervention: Patient outcomes will be compared based on level of assistant (PGY-1-2, PGY 3-4, PGY-5, Fellow or Staff assistant).

Measurement: Primary outcome will be complications (in-hospital and within 30-days of discharge). Secondary outcomes will be grade of complication, return to emergency room (ER), length of stay, technicity, estimated blood loss. Logistic regression analysis will be performed comparing hysterectomies based on level of surgical assist controlling for factors associated with case complexity and Primary Surgeon level of training (Fellowship-trained versus Generalist and case volume). Odds ratios (OR), 95% confidence intervals (CI) and p-values will be calculated.

There are several other sub-studies being conducted through the Surgical Gynaecology Scorecard Project. The CREMS student will have the opportunity to become involved in one other study of their choice based on clinical interest. This will be determined at the start of the summer placement.