RESEARCH SCHOLAR PROGRAM 2017
SUPERVISOR/PROJECT INFORMATION FORM

Due on or before October 21 2016. Forms received after this date will not be posted on the website.

SUPERVISOR INFORMATION

Supervisor Name: DR RORY WINDRIM

Mailing Address: 700 University Ave – 3rd Floor, Toronto, ON, M5G 1Z5

Telephone Number: 416-586-4479

Email Address: Rory.Windrim@sinaihealthsystem.ca
Applications should be sent to: ally.murji@sinaihealthsystem.ca

Degree (MD, PhD, MD/PhD): MD

Academic Rank: Professor

Field of Research: Obstetrics & Gynecology

Graduate School Appointment (IMS, IHPME etc..): IHPME
Please note that you must be appointed to the SGS in order to be a supervisor in the Scholar Program

Research Institute Affiliation (if applicable): Lunenfeld Research Institute

Allocation of student contact time (# of hours per week you are available to the student for any concerns or to review progress): 2-3 hours per week

Do you have a student that you have already agreed to work with? NO
Please note, you may go ahead with a self-initiated project with a student of your choosing. If you choose this option, your project will not be posted online, meaning it will not be open to student applicants.

PROJECT INFORMATION

Project Title: **GREATER TORONTO AREA SURGICAL GYNAECOLOGY QUALITY SCORECARD**

Project Description (max 500 words):

Hysterectomy is the fourth most commonly performed surgery in Canada with approximately 40,000 procedures/year. Our needs assessment of 20 Greater Toronto Area (GTA) Obstetrics/Gynaecology Department Chiefs found that 100% of GTA hospitals provide feedback on obstetrical performance. However, only one hospital in our city reports on clinically meaningful quality metrics for the common and major surgical procedure of hysterectomy. Our project will create and implement a standardized scorecard for hysterectomy procedures for GTA hospitals that includes clinically meaningful quality metrics and case costs. The aim of our scorecard is to:

1. Provide gynaecologic surgeons with timely and clinically useful feedback about performance.
2. Anonymously benchmark surgeons within and between hospitals to encourage surgeon and department reflection around ways to improve quality of care.
3. Identify variability in patient outcomes among surgeons at both the hospital and city level in order to develop quality improvement initiatives to close gaps in patient care.

To test feasibility, we have gathered 6-months pilot data for hysterectomy at Mount Sinai Hospital. We determined GYN performance metrics based on relevance to clinical practice, alignment with upcoming Hysterectomy QBP recommendations and sound scientific evidence. Our list of anticipated data has 32 variables. 12/32 variables will be extracted from patient charts, 13/32 are from the operating room surgical database (ORSOS) and 7/32 are from health records coding. Data obtained from ORSOS and hospital coding can be batched and universally retrieved for a large number of patients simultaneously, leaving only 12 variables requiring more intensive data mining. The variables we hope to capture include age, diagnosis, body mass index, uterine weight and presence of chronic conditions. This will allow for risk and case-mix adjustment of performance outcomes. Once the data set is complete, we will work with a statistician to create the scorecard. The first publication will focus on the difference in surgeons' personal assessment of their performance compared to actual performance.

If human subjects are involved, has Ethics been obtained?

☐YES ☐NO ☐Application Submitted ☒N/A (this is a quality improvement project)

Do you expect this work will be published within 20 months?

☒YES ☐NO ☐Uncertain

Student's Roles / Responsibilities (Please be as specific as possible) Please indicate who will serve as the student's direct report. (PI, PDF, PhD student, technician etc…):

The student will directly report to Dr Ally Murji (Staff gynecologist at Mt Sinai) who will be intimately involved in all aspects of this project.

- Creating platform for data collection using REDCAP
- Data entry. After extensive training, student will use EMR to extract data and enter into database
- Database maintenance
- Work with statistician for creation of scorecard
- Perform needs assessment with staff Gynecologists about what they want in a scorecard
- Design scorecard and assist in distribution
- Data analysis
- Manuscript preparation