Clinical Research Methods for Surgical Procedures  
SPPH 517 - Syllabus  
Winter 2014

Course Chair: Dr. Kishore Mulpuri, e-mail: kmulpuri@cw.bc.ca  
Dr. Kourosh Afshar, e-mail: kafshar@cw.bc.ca

Course Coordinator: Janice Andrade, e-mail: Janice.andrade@cw.bc.ca

Lectures: Fridays 1-4 pm

Location:  
BC Children’s Hospital  
Clinical Support Building  
Room V2-221

Course Description

This course is intended to provide students with an introduction to surgical research. The course will teach different approaches for surgical research compared to medical research. Student will learn many aspects of the research process from grant writing and proposal development, to applying for ethics, data analysis and statistical methods used in surgical research. This course will also provide an opportunity for students to learn about systematic reviews, quality improvement and assurance, as well as technology evaluation in surgical research.

Course Objectives

The overall goals of this course are to:
1. Understand the challenges in doing surgical research
2. Learn differences in the approaches for surgical research compared to medical research.

Lecture Dates and Topics:

Sept 5, 2014 – Course Introduction – Kishore Mulpuri and Kourosh Afshar
Sept 12, 2014 - Methodological Research in Surgery – Kishore Mulpuri
Sept 19, 2014 - Different Surgical Research Designs – Kourosh Afshar
Sept 26, 2014 - Ethics in Surgical Research Design – Kourosh Afshar
Oct 3, 2014 - Project Proposal Development – Ash Singhal
Oct 10, 2014 – Research in Surgical Education – Andrew MacNeily
Oct 31, 2014 - Multi-centre Research/Prospective Databases in Surgery – Erik Skarsgard

Nov 7, 2014 – Research in Patient Safety and Quality of Care – Kourosh Afshar

Nov 14, 2014 - Surgical systematic reviews/meta analysis – Neil Chadha

Nov 21, 2014 - Grant Writing – Dawn McArthur


Evaluation:

A) Research Proposal for prospective review
   - Clinical Trial
   - Case Control
   - Qualitative Research
   - Systematic review

B) Methodological Research Paper

Instructors:

Kishore Mulpuri
Kourosh Afshar
Ash Singhal
Andrew MacNeily
Boris Kuzeljevic
Mark Ansermino
Erik Skarsgard
Neil Chadha
Dawn McArthur