

Clinical Research Methods for Surgical Procedures

SPPH 517 - Syllabus

Course Chairs: Dr. Kishore Mulpuri; e-mail: kmulpuri@cw.bc.ca
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Lectures: Fridays 1-4 pm
Location: BC Children's Hospital, CSB V2-220

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. Students 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 Topics:

September 8, 2017	Course Introduction & Methodological Research in Surgery (Kishore Mulpuri/Kourosh Afshar)
September 15, 2017	Different Surgical Research Designs, Project Proposal Development and Research Ethics (Kourosh Afshar)
September 22, 2017	Multi-Centre Research Studies/Prospective Databases in Surgery (Erik Skarsgard)
September 29, 2017	1:00 - Healthcare Value, Economics and Outcomes (Jugpal Arneja) 2:30 - Educational Research in Surgery (Andrew MacNeily)
October 6, 2017	Health-Related Quality of Life Measures (Harpreet Chhina)
October 13, 2017	The Use of Photovoice in Public Health: A Journal Club and Hands-On Workshop (Damian Duffy)
October 20, 2017	Research Ethics (Patrick McDonald)
October 27, 2017	Multi-Centre Research Studies & Databases (Emily Schaeffer)
November 3, 2017	Grant Writing (Dawn McArthur)

November 10, 2017	Technology Evaluation in Research (Mark Ansermino)
November 17, 2017	Surgical Systematic Reviews/Meta-Analysis (Neil Chadha)
November 24, 2017	Health Economics Research (Ravi Ghag)
December 1, 2017	<i>No class</i>
December 8, 2017	Project Proposal Presentations

Evaluation:

- A. Research Proposal for prospective review
 - Clinical trial
 - Case control
 - Qualitative research
 - Systematic review

- B. Methodological Research Paper