

CTSC 5290

GI Population Science

Faculty: Yuri A. Saito Loftus, M.D. & Sunanda V. Kane, M.D.

Credits: 1

Quarter: Fall

Prerequisites: None

Overview

The purpose of this course is to teach clinical epidemiology and methodology as applied to, or specific to, gastrointestinal diseases. Broadly, course topics will be divided into those with a clinical focus and those with a methodological focus. Topics include clinical epidemiology of esophageal reflux and Barrett's esophagus, inflammatory bowel disease, functional gastrointestinal disorders, pancreatic cancer, celiac disease, and chronic liver disease as well as study questionnaire selection and development, conducting clinical trials, molecular epidemiology, and genetic epidemiology as related to the field of GI.

Objectives

By the end of this course students should be able to:

- recognize epidemiology in GI diseases and GI research and explain how they contributes to our clinical understanding of gastrointestinal diseases
- describe clinical epidemiology principles in GI diseases and GI research
- develop research proposals using research methodologies presented

Evaluation

Attendance and participation are essential to this course. Students will be evaluated based on attendance, weekly quizzes, and two abstract-formatted research proposals on a provided clinical/research question.

Students will be expected to spend approximately two to four hours of work per week on this 1-credit course.