Department Colloquium

Speaker: Jeff Bakal, University of Alberta
Date: October 25, 2013
Time: 2:30 p.m.
Place: Jeffery 234
Title: Refining Clinical Trial Outcomes: A weighted composite method for the design and evaluation of clinical trials

Abstract: Composite endpoints are commonly used in cardiovascular clinical trials. Traditionally a subject is considered to have had an event when the first component endpoint has occurred. The traditional method captures a variety of endpoints without considering their severity. Further it does not incorporate all patient events during follow-up or the net-clinical benefit. The weighted composite method is described and compared with other non-traditional methods, along with examples from both simulated and trial data. These examples demonstrate the potential advantages in sample-size efficiency and interpretation associated with incorporating event severity and net-clinical benefit in trial design and analysis.