



McGill

Department of  
Epidemiology, Biostatistics  
and Occupational Health

Biostatistics Seminars

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## A Post-Hoc Evaluation of a Sample Size Re-Estimation: What Happens in Real Life?

**Tuesday, February 5, 2019**

**3:30 pm – 4:30 pm – Purvis Hall, 1020 Pine Ave. West, Room 24**

All are Welcome

**Abstract:**

The use of adaptive designs has been increasing in randomized clinical trials. Sample size re-estimation is a type of adaptation in which nuisance parameters are estimated at an interim point in the trial and the sample size re-computed based on these estimates. However, post-hoc evaluations of adaptations, including sample size re-estimations, have not frequently been performed, leaving questions about the gains that come from utilizing these procedures in practice. In this talk, I describe the statistical impact of implementing a sample size re-estimation in the Secondary Prevention of Small Subcortical Strokes (SPS3) study and describe the effect of the adaptation on the practical aspects of the study.

**Bio:**

Please visit: <https://drexel.edu/dornsife/academics/faculty/Leslie%20McClure/>