



DSECT/DSEN Monthly Seminar Series

“Assessing cumulative effects of drug exposures: new methods and applications”

Thursday, Apr 23, 2015 at 3:00-4:00pm EDT
Online webinar (GoToWebinar*)

RSVP: <https://attendee.gotowebinar.com/register/7697894577193889537>

Presented by **Dr. Michal Abrahamowicz**

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*Audio is VOIP - you must have a speaker or headset to hear the webinar

Population-based studies of drug safety are typically analyzed using simple drug exposure metrics (current dose or any use in the past 3 months). This ignores important variation (between subjects and within subjects over time) in daily doses, treatment duration and timing. I will first illustrate the impact of using simple exposure metrics on estimated relative risks for time-varying exposure. I will then introduce (at the conceptual level) our new, flexible statistical model, which avoids such problems and estimates cumulative effects of past exposures. The new method will be applied to re-assess associations between (1) benzodiazepines and fractures, and (2) oral glucocorticoids and infections.

Learning Objectives:

1. To explain analytical challenges in assessing the effects of time-varying drug exposures.
2. To understand the basic concepts and the rationale for our new method.
3. To illustrate how the method can offer new insights about safety or effectiveness of different drugs in real-life longitudinal studies.

Please visit www.safeandeffectiverx.com/events/view/35 for a list of supporting resources.

The **Drug Safety and Effectiveness Cross-Disciplinary Training (DSECT)** program and the **Drug Safety and Effectiveness Network (DSEN)** are presenting a monthly online seminar series for faculty, staff, trainees, decision-makers, and other stakeholders engaged in the field of drug safety and effectiveness.

For more information, please visit www.safeandeffectiverx.com or contact:

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