



大阪医学統計学セミナー第104回

Osaka Biostatistics Seminar

2月6日 (金)

15:00~17:00



OSAKA UNIVERSITY

場所 :
医学系研究科基礎研究棟L階
医学統計学研究室
オンライン併用開催

参加ご希望の方は、前日までに
下記メールアドレスまで
ご連絡をお願いいたします。

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「Treatment evaluation with a concomitant treatment」

Speaker : Gary Chan

(Department of Biostatistics
University of Washington)

Abstract: Participants in pain trials often use analgesics for pain relief, but such concomitant treatments often dilute the intention-to-treat effect of the studied treatment. Under a structural model that allows unmeasured confounding between analgesic use and pain outcome, one can use treatment randomization to build instruments for estimating the controlled direct effect of the treatment, e.g. the treatment effect when analgesic use is absent. Estimation efficiency, however, can be low. We illustrate two ways for improving efficiencies: by building stronger instruments and residualizing a baseline potential outcome estimate.

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