Wiener Biometrische Sektion
der Internationalen Biometrischen Gesellschaft
Region Österreich – Schweiz

Einladung zum

Biometrischen Kolloquium

am Dienstag, dem 18. Oktober 2011 um 16:00 Uhr (s.t.)

im Seminarraum (Ebene 3, Raum 88.03.513) des Zentrums für
Medizinische Statistik, Informatik und Intelligente Systeme (CeMSIIS)
der Medizinischen Universität Wien, Spitalgasse 23, 1090 Wien
(Plan siehe http://www.muw.ac.at/cemsiis/allgemeines/anschrift/)

Vortragender:

Dominic Magir

(Department of Mathematics and Statistics, Lancaster University, UK)
http://www.maths.lancs.ac.uk

Design and Analysis of Multi-Arm, Multi-Stage Clinical Studies

Wir freuen uns auf zahlreichen Besuch.

Georg Heinze	Gerhard Svolba
Präsident	Sekretär

Design and Analysis of Multi-Arm, Multi-Stage Clinical Studies

Dominic Magir

(Department of Mathematics and Statistics, Lancaster University, UK)

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We consider the problem of multiple comparisons with control in an integrated phase II/III clinical trial with treatment selection at the interim(s). Our approach is an extension of group sequential methodology that involves joint monitoring of the correlated, sufficient test statistics. We show the heavy computation involved can be dramatically reduced when the number of stages is small and the number of treatments is large.

When designing the trial, sample size can be chosen to satisfy a power requirement based on the least favourable configuration of treatment effects.

At each analysis, simultaneous confidence intervals are easily found such that the overall coverage is at the required level.