広島統計談話会

Hiroshima Statistics Study Group

第 254 回談話会を下記のように開催致しますので
御参集下さいますようご案内申し上げます。

You are cordially invited to the 254th meeting as scheduled below.

日　時：　　　2010 年 2 月 5 日（金）15:00 –
Date　：　　　February 5, 2010 (Fri) 15:00 –

場　所：　　　放射線影響研究所　講堂
Place　：　　　RERF Auditorium

演　者：　　　井上　永介 (北里大学大学院　薬学研究科臨床統計専攻学生)
Speaker　：　　Eisuke Inoue
　　　　　　　Division of Biostatistics, Graduate School of Pharmaceutical Sciences, Kitasato University

演　題：　　　「変化点モデルを用いた関節リウマチ患者の疾患活動性と総死亡の解析」

Title　：　　　"Analysis of disease activity in patients with Rheumatoid Arthritis and mortality using the change-point model"

要　約：
Abstract　：

　　　　Rheumatoid arthritis (RA) is a chronic, systemic inflammatory disorder that attacks the joints producing an inflammatory synovitis, and often progresses to destruction of the articular cartilage and ankylosis of the joints.　Some epidemiological studies reported that the standardized mortality ratio in RA patients were 1.5 to 3.0, indicating RA increases the mortality rate.　It is not clear yet that the degree of association between disease activity in RA and mortality.　In clinical study, a disease activity in RA patients is measured by DAS28 score. A DAS28 above 5.1 means high disease activity whereas a DAS28 below 3.2 indicates low disease activity.　Remission is achieved by a DAS28 lower than 2.6.　To clarify the threshold values of DAS28 from the viewpoint of mortality, the risk ratio was obtained from the Poisson regression model with change-points using RA patients' data from Tokyo Women's Medical University.　The numbers of change-points were selected by the AIC for change-points proposed by Ninomiya (2005).