Dr Kelly Handley BSc(Hons), GradStat, AMIMA

Medical Statistician

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About

Kelly is a Medical Statistician working at the Birmingham Clinical Trials Unit (BCTU) in the School of Cancer Sciences. She works on clinical trials in the coloproctology portfolio, for example FOxTROT, which is investigating the possible benefits of receiving pre-operative chemotherapy for patients with colon cancer.

Qualifications

- Fellow and Graduate Statistician of the Royal Statistical Society, 2008
- PhD in Mathematics, University of Nottingham, 2007
- Associate Member of the Institute of Mathematics and Its Applications, 2003
- BSc (Hons) in Mathematics, University of Nottingham, 2003

Teaching

- MBChB year 2 – integrated problems statistics tutorials
- BCTUs research methods course

Research

As statistician for the BCTU coloproctology clinical trial portfolio Kelly is responsible for the management and reporting of these trials.

Kelly also works alongside the Systematic Review team, assisting with meta-analyses to provide a reliable synthesis of previous clinical trial evidence on treatment efficacy, and to identify future key research questions.

Publications

Dighe S, Swift I, Magill L, Handley K, Gray R, Quirke P, Morton DG, Seymour M, Brown G (2011) Accuracy of radiological staging inidentifying high-risk colon cancer patients suitable for neoadjuvant chemotherapy – multicentre experience. To appear in Colorectal Disease

Stowe R, Ives N, Clarke CE, Handley K, Furmston A, Deane K, van Hilten JJ, Wheatley K, Gray R (2011) Meta-analysis of the Comparative Efficacy and Safety of Adjuvant Treatment to Levodopa in Later Parkinson's Disease. Published online ahead of print in Movement Disorders.

Hutchins G, Southward K, Handley K, Magill L, Beaumont C, Stahlschmidt J, Richman S, Chambers P, Seymour M, Kerr D, Gray R, and Quirke P, (2010) Value of mismatch repair, KRAS and BRAF mutations in predicting recurrence and benefits from chemotherapy in colorectal cancer. Published online ahead of print in the Journal of Clinical Oncology.

Stowe RL, Ives NJ, Clarke CE, Deane KH, van Hilten JJ, Wheatley K, Gray R, Handley K, Furmston A. (2010) Evaluation of the efficacy and safety of adjunct treatment to levodopa therapy in Parkinson's disease patients with motor complications (Review). Cochrane Database of Systematic Reviews (7): CD007166.

Browne WJ, Dryden IL, Handley K., Mian S. and Schadendorf D. (2010) Mixed Effect Modelling of Proteomic Mass Spectrometry Data Using Gaussian Mixtures, Journal of the Royal Statistical Society (Series C), 59(4), pp617-633.

The ASTRAL Investigators, (2009) Revascularization versus Medical Therapy for Renal-Artery Stenosis, The New England Journal of Medicine, 361(20), pp1953-1962.

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