

East Midlands Simulation Seminar

4pm Wednesday 1 May 2013

At the School of Business and Economics, Room BE.0.40

Loughborough University

A CASE STUDY OF IMPLEMENTING SIMULATION RESULTS IN EMERGENCY STROKE CARE

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Abstract

This talk provides an overview of a simulation study of an emergency stroke pathway that took place in Exeter in the first half of 2011. The project aimed to identify potential changes to the pathway that would improve the proportion of patients that could be treated with time sensitive clot busting drug. The background to the simulation study is presented along with a reflection on the field notes of the modeller. In particular, the talk reflects on the change in the modeller's understanding of the barriers to implementation throughout the project and the contribution the modelling process made to achieving change in the pathway. The talk will also present the results of a year and a half follow-up study that evaluates the impact of simulation results, the changes implemented and if the simulation project really led to any benefit for stroke patients.

AUTHOR BIOGRAPHY

THOMAS MONKS is an associate research fellow at the University of Exeter Medical School. He holds a BSc (Hons) in Computer Science and Applicable Mathematics from Staffordshire University, an MSc in Operational Research from Lancaster University and a PhD in Operational Research from Warwick University. He has worked as both a Software Engineer in the private sector and an Operational Research Analyst within the public sector. His research interests include Discrete Event Simulation Practice, Reuse and Management Learning. His e-mail address is

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