

Centre For Health Economics Seminar Series 2016

PATIENT TRAJECTORIES IN THE ABSENCE OF SURGERY: A MATCHED CONTROL GROUP FOR TOTAL KNEE ARTHROPLASTY

Presenter: Chris Schilling, University of Melbourne
Date: Wednesday 25 May 2016
Time: 12.00pm -1.00pm
Venue: RB Scotton Room
Centre for Health Economics



Abstract:

Total knee arthroplasty (TKA) improves health-related quality of life (HrQoL) for osteoarthritis patients however little is known about the trajectory of HrQoL should a patient not have surgery. Presently, economic evaluations assume that in the absence of TKA, a patient's HrQoL would remain constant at the preoperative level. We used data (n= 4,796) from the Osteoarthritis Initiative (OAI), a multi-center, longitudinal, prospective observational study of knee osteoarthritis (OA), to develop a control group for TKA using a combination of propensity score and exact matching. Rather than continued deterioration in HrQoL, we found evidence of remission in the matched control group. This presentation will discuss the methods used to construct the control group, highlight the implications of the findings for economic evaluations of TKA, and comment on the limitations of the research to date.

Presenter:

Chris Schilling is an Associate Lecturer and PhD. candidate at the Centre of Health Policy, the University of Melbourne. His research priorities include microsimulation modelling to inform policy decisions, classification and regression tree (CART) methods, and the economics of surgery. Chris holds an hon-orary position at the Department of Surgery, St. Vincent's Hospital Melbourne, and is an Associate at the New Zealand Institute of Economic Research (NZIER).

VISITORS ARE MOST WELCOME

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