

Professor Melanie Calvert PhD

Professor of Outcomes Methodology

Primary Care Clinical Sciences

Contact details

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About

Melanie Calvert, PhD, has extensive experience in the design and analysis of clinical trials, trials methodology research, economic evaluation and clinical epidemiology. Her primary research interests focus on outcomes research, including the use of composite and patient reported outcomes, notably quality of life. Professor Calvert has over 80 publications, including work in major international journals such as the BMJ, NEJM, Circulation and JAMA.

Qualifications

- 2006, Fellow of the Higher Education Academy
- 2006, Postgraduate Certificate in Learning and Teaching in Higher Education, University of Birmingham
- 2001, PhD (Wellcome Trust Prize student), University of Birmingham,
- 1997, BSc Biochemistry, 1st class honours, University of Birmingham

Biography

Melanie Calvert qualified with a BSc (Hons) in Biochemistry from the University of Birmingham in 1997. She was awarded a Wellcome Trust Prize PhD studentship and graduated in 2001. Since then she has continued to work at the University with expertise in clinical trials, epidemiology, trials methodology and patient-reported outcomes.

Melanie is an expert advisor to the NIHR West Midlands Research Design Service.

She is an experienced PhD supervisor and provides training in trials methodology and quality of life to undergraduates, postgraduates, clinicians, pharmaceutical industry and policy makers (most recently as invited faculty on a World Health Organization course). She has successfully completed the Postgraduate Certificate in Learning and Teaching in Higher Education and now acts as a mentor for this program. She is a Fellow of the Higher Education Academy and undertakes medical education research with the aim of providing evidence to inform curriculum development and enhance student learning.

Teaching

Teaching Programmes

- **Masters Public Health** (</postgraduate/courses/taught/med/public-health.aspx>) (Module Lead: Clinical Trials)
- **MBChB** (</undergraduate/courses/med/medicine.aspx>), SP2 (Module Lead: Health-Related Quality of Life)
- **BMedSci** (</undergraduate/courses/med/biomedical-science.aspx>) Quantitative Research Methods and Advanced Statistics (Observational studies, Clinical Trials, Meta-analysis)
- **BMedSci** (</undergraduate/courses/med/biomedical-science.aspx>) project supervisor
- **BCTU** (</postgraduate/courses/taught/med/pg-modules/clinical-trials.aspx>) Research Methods Course (quality of life)
- **Clinical Oncology MSc/Diploma** (</postgraduate/courses/taught/med/clinical-oncology-part-time.aspx>) (quality of life)

Postgraduate supervision

Professor Calvert is interested in supervising doctoral researchers on the following subjects:

- Outcomes Research (particularly in relation to health-related quality of life)
- Trials methodology
- Clinical epidemiology

Current students

- Derek Kyte
- Grace Turner
- **Janet Jones** (</staff/profiles/haps/PrimaryCareClinicalSciences/jones-janet.aspx>)

- Rebecca Mercieca-Bebber

Graduated students

- Adrian Gheorghe
- Poorva Jain
- Helen Kirkby
- Matthew Richardson
- Puvan Tharmanathan

Studentships will be advertised when available. For any general doctoral research enquiries, please email: dr@contacts.bham.ac.uk (mailto:dr@contacts.bham.ac.uk) or call +44 (0)121 414 5005.

For a full list of available Doctoral Research opportunities, please visit our [Doctoral Research programme listings \(http://www.bham.findaphd.com/?es=y&apl=y&aplt=&show\)](http://www.bham.findaphd.com/?es=y&apl=y&aplt=&show).

Research

RESEARCH THEMES

Quality of Life, Outcomes Research, Trial design and analysis, Trials Methodology Research, Clinical Epidemiology.

Other activities

- Executive Group: MRC funded project to develop a CONSORT extension for quality of life reporting in clinical trials
- International Society for Quality of Life: Reporting Taskforce.
- Member of the West Midlands Research Collaborative
- ROSSINI Trial Management Group
- Expert advisor to the NIHR West Midlands Research Design Service
- Member of the National School for Primary Care Research.

Publications

Calvert M, Wood J, Freemantle N. Designing Real World Trials for Health Policy and Reimbursement In Press J.Clin.Epidemiology

Rushton A, Wright C, Goodwin P, Calvert M, Freemantle N Physiotherapy rehabilitation post first lumbar discectomy: a systematic review and meta-analysis of Randomised Controlled Trials In Press Spine

Howell NJ, Ashrafian H, Drury NE, Ranasinghe AM, Contractor H, Isackson H, Calvert M, Williams LK, Freemantle N, Quinn DW, Green D, Frenneaux M, Bonser RS, Mascaro JG, Graham TR, Rooney SJ, Wilson IC, Pagano D. Glucose-Insulin-Potassium Reduces the Incidence of Low Cardiac Output Episodes After Aortic Valve Replacement for Aortic Stenosis in Patients With Left Ventricular Hypertrophy: Results From the Hypertrophy, Insulin, Glucose, and Electrolytes (HINGE) Trial. *Circulation*. 2011 Jan 18;123(2):170-7.

Cleland JGCF, Calvert M, Freemantle N, Ball SG, Arrow Y, Bonser RS, Camici P, Chattopadhyay S, Norell MS, Senior R on behalf of the HEART Investigators. The Heart Failure Revascularisation Trial (HEART) *Eur J Heart Fail*. 2010 Dec 13.

Hoppitt T, Sackley C, Pall H, Calvert M, Gill P, Yao L, Ramsay J, James G, Conduit J. A Systematic Review of the Incidence and Prevalence of Long-Term Neurological Conditions in the UK *Neuroepidemiology* 32:1712 DOI: 10.1159/000321712

Freemantle N, Calvert MJ. Interpreting composite outcomes in trials. *BMJ*. 2010 Aug 18;341:c3529. doi: 10.1136/bmj.c3529.

Calvert MJ, Freemantle N, Cleland JG. Cardiac Resynchronisation Therapy is Cost Effective. *Rev Esp Cardiol*. 2010; 63 :1230-1

Freemantle N, Calvert M. What can we learn from observational studies of oseltamivir to treat influenza in healthy adults? *BMJ*. 2009 Dec 8;339:b5248. doi: 10.1136/bmj.b5248.

