

Applied Health Research in Surgery (2012)

In February 2012, the NIHR issued a call for research on the evaluation of technology-driven implanted or implantable medical devices, surgical procedures or surgical services. Six of the NIHR managed research programmes participated. The call closed in May 2012 and funding decisions were made available at the end of March 2013.

This call for research proposals is a key component of the NIHR's response to recognition of the need for an increase in research-based evidence related to surgical productivity and to patient outcomes:

- through supporting capacity building across a wide range of surgical disciplines
- increasing the volume of high-quality research on the effectiveness, delivery and organisation of surgery and surgical services.

Status: Closed

Date opened: 23 February 2012

Date closed: 25 May 2012

The following NIHR managed research programmes participated:

- Efficacy and Mechanism Evaluation (EME)
- Health Services and Delivery Research (HS&DR)
- Health Technology Assessment (HTA)
- Invention for Innovation (i4i)
- Programme Grants for Applied Research (PGfAR)
- Research for Patient Benefit (RfPB)

Funding Outcomes

Research Programme	NIHR reference	Application Title	Lead Applicant
EME	12/12/12	Explanatory comparative study of conventional Total Knee Arthroplasty versus Robotic assisted Bi-UniCompartmental Knee Arthroplasty	Mr Mark Bylth (NHS Greater Glasgow & Clyde)
HS&DR	12/5005/04	A realist process evaluation of robotic surgery: integration into routine practice and impacts on communication, collaboration and decision making	Dr Rebecca Randell (University of Leeds)
HS&DR	12/5005/06	Selection, definition and evaluation of important morbidities associated with paediatric cardiac surgery	Mr Victor Tsang (Great Ormond Street)
HS&DR	12/5005/12	Cost-effectiveness of different levels of uptake of bariatric surgery in a large population. Cohort study and Markov model	Prof Martin Gulliford (Kings College London)
HS&DR	12/5005/10	Enhanced Peri-Operative Care for High-risk patients (EPOCH) Trial. A stepped wedge randomised cluster trial of an intervention to improve quality of care for patients undergoing emergency laparotomy	Dr Rupert Pearse (Barts, London)
HTA	12/35/07	A randomised comparison of the Fenix™ magnetic anal sphincter versus sacral nerve stimulation for adult faecal incontinence.	Prof David Jayne (University of Leeds)

HTA	12/35/15	A randomised controlled trial to determine the clinical and cost effectiveness of thulium laser transurethral vaporesction of the prostate (ThuVAP) versus transurethral resection of the prostate (TURP) in the National Health Service (NHS)	Mr Hashim Hashim (North Bristol NHS Trust)
HTA	12/35/17	POSNOG - POSitive Sentinel Node: Observation versus Clearance or radiotherapy: A randomised controlled trial of axillary treatment in patients with early stage breast cancer who have metastases in one or two sentinel nodes	Mr Amit Goyal (Derby Hospitals NHS Foundation Trust)
HTA	12/35/27	Total Ankle Replacement Versus Ankle Arthrodesis (TARVA) trial: A pragmatic, randomised controlled trial to assess clinical and cost effectiveness, with an internal feasibility phase.	Mr Andrew Goldberg (UCL)
HTA	12/35/29	Hughes Abdominal Repair Trial - abdominal wall closure technique to reduce incidence of incisional hernias: multi-centre pragmatic randomised trial	Mr Jared Torkington (University Hospital Wales)
HTA	12/35/38	Treatment of Advanced Glaucoma Study (TAGS): A multicentre randomised controlled trial comparing primary medical treatment with primary augmented trabeculectomy for people with newly diagnosed advanced glaucoma	Mr Anthony King (Nottingham University Hospital NHS Trust)
HTA	12/35/45	Multicentre randomised controlled trial to compare the clinical and cost-effectiveness of a 'vein bypass first' with an 'endovascular first' revascularisation strategy for severe limb ischaemia due to infra-geniculate arterial disease	Prof Andrew Bradbury (University of Birmingham)
HTA	12/35/64	A randomised controlled trial of adjunctive intraocular and periocular steroid (triamcinolone acetonide) in eyes undergoing vitreoretinal surgery for open globe trauma	Mr David Charteris (Moorfields Eye Hospital NHS Foundation Trust)

HTA	12/35/23	A multicentre randomised controlled trial comparing laparoscopic supracervical hysterectomy with second generation endometrial ablation for the treatment of heavy menstrual bleeding (HEALTH)	Prof Siladitya Bhattacharya (University of Aberdeen)
HTA	12/35/57	Randomised Evaluation of Surgery with Craniectomy for patients Undergoing Evacuation of Acute Subdural Haematoma (RESCUE-ASDH)	Peter Hutchinson
HTA	12/35/61	Surgical drainage, irrigation, and fibrinolytic therapy (DRIFT) in premature infants with post-haemorrhagic ventricular dilatation: Brain function and structure at school age	Karen Luyt
i4i	II-SA-0712-20001	Development and prototyping of an improved surgical device for management of anal fistula	Mr Charles Knowles (Queen Mary, University of London)
i4i	II-SB-0712-20001	Magnetic thermoablation in the treatment of early prostate cancer	Mr Hashim Uddin Ahmed (UCL)
i4i	II-SB-0712-20002	Robot-Assisted Fracture Surgery (RAFS)	Dr Sanja Dogramadzi (University of the West of England, Bristol)
RfPB	PB-PG-0212-27122	A pilot prospective randomised controlled trial of Thoracic Epidural Analgesia (TEA) versus Rectus Sheath Catheters (RSC) for open midline incisions in major abdominal surgery within an Enhanced Recovery Programme (TERSC)	Dr Anton Krige (East Lancashire Hospitals NHS Trust)

RfPB	PB-PG-0212-27072	Laparoscopic excision/ablation with helium thermal coagulator compared with electro-diathermy for the treatment of mild to moderate endometriosis: a randomised controlled trial	Mr Gourab Misra (University Hospital of North Staffordshire NHS Trust)
RfPB	PB-PG-0212-27050	A pilot randomised controlled trial to compare the costs and effects of Conventional Implants with Mini Implants used to retain full lower DENTures (CIMI-DENT trial)	Prof Martin Tickle (Central Manchester University Hospitals NHS Foundation Trust)
RfPB	PB-PG-0212-27098	Perioperative Analgesia for Knee Arthroplasty: A prospective randomised trial	Mr Andrew Sprowson (University Hospitals Coventry and Warwickshire NHS Trust)
RfPB	PB-PG-0212-27034	The impact of an investment based intervention on weight-loss and beliefs about food in patients post bariatric surgery	Prof Jane Ogden (University College London Hospitals NHS Foundation Trust)
RfPB	PB-PG-0712-28114	A phase II trial of endoscopic ultrasound-guided radiofrequency ablation of cystic tumours of the pancreas(RADIOCYST)	Dr Stephen Pereira (University College London Hospitals NHS Foundation Trust)

RfPB	PB-PG-0712-28112	A phase II randomised feasibility study of Chemoresection and surgicAl management in Low rlsk non muscle invasive Bladder cancER (CALIBER)	Dr Emma Hall (The Royal Marsden NHS Foundation Trust)
RfPB	PB-PG-0712-28076	Assessing surgical outcomes for osteoarthritis of the knee following short-term psychological therapy: A single blind feasibility randomised controlled trial	Dr Roshan das Nair (Nottingham University Hospitals NHS Trust)
RfPB	PB-PG-0712-28094	Botulinum Toxin-A versus Extended Release Tolterodine in the Management of Idiopathic Overactive Bladder in Children: A Randomised Controlled Trial	Ms Anju Goyal (Central Manchester University Hospitals NHS Foundation Trust)
RfPB	PB-PG-0712-28108	Does Intra-operative Use of the MarginProbe Device Reduce the Need for Further Re-excision Procedures after Conservation Surgery for Breast Cancer?	Prof Nigel Bundred (University Hospital Of South Manchester NHS Foundation Trust)

