

A pilot study comparing general versus spinal anaesthesia for vaginal surgery

Submission date 09/02/2012	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 28/03/2012	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 18/04/2016	Condition category Surgery	☐ Individual participant data

Plain English summary of protocol

Background and study aims

The purpose of this study is to examine the effect of anaesthetic technique (spinal or general anaesthesia) on the outcomes of vaginal surgery. Currently both forms of anaesthetic are in common practice with no knowledge of which is the best way to anaesthetise patients when having this surgery. Gynaecological vaginal surgery for urinary incontinence or vaginal prolapse is very common; some estimate that 11% of all women will have a prolapse operation by the age of 80. Knowledge of the right sort of anaesthetic may therefore help inform a large number of people on safety and side effects.

Who can participate?

All women who are undergoing vaginal surgery for prolapse or incontinence in our institution are eligible to participate. There are no age restrictions.

What does the study involve?

The study involves participants being randomly allocated to either a general or spinal anaesthetic and then taking part in an assessment of a number of factors. Participants will assess pain control before the operation, at 2 and 24 hours after surgery and at 2, 6 and 12 weeks following surgery using a visual chart. We will assess postoperative pain relief requirements as a secondary pain measure. We will also look at any complications of each anaesthetic technique, time of return to normal function, outcome of the operative procedure and patient satisfaction using a questionnaire that will be posted to participants.

What are the possible benefits and risks of participating?

The benefit of participating is to help inform patients of the future. Both techniques are in common and safe usage already so there are no extra risks involved. The risks are therefore those of anaesthesia already in use. These include nausea and vomiting, sore throat, backache, residual sleepiness and headache, need for intraoperative interventions, intraoperative pain, need for intraoperative sedation, and failure to establish a satisfactory spinal block and/or need to convert to general anaesthesia, or difficulty in establishing an airway.

Where is the study run from?

The study is run from the University Hospital of North Staffordshire in the UK.

When is the study starting and how long is it expected to run for?
It is anticipated it will run for one year commencing February 2012.

Who is funding the study?
It is being funded by a grant from the North Staffordshire Medical Institute, UK.

Who is the main contact?
Mr Jason Cooper
Jason.cooper@uhns.nhs.uk

Contact information

Type(s)
Scientific

Contact name
Mr Jason Cooper

Contact details
Maternity Centre
University Hospital of North Staffordshire
Stoke-on-Trent
United Kingdom
ST4 6QG

Additional identifiers

Protocol serial number
01

Study information

Scientific Title
A pilot study comparing general versus spinal anaesthesia for vaginal surgery: a randomised controlled trial

Acronym
GOSIP

Study objectives
There is no difference in postoperative outcomes with either spinal or general anaesthesia in gynaecological pelvic surgery.

Ethics approval required
Old ethics approval format

Ethics approval(s)
NRES Committee West Midlands, 01 July 2011 ref: 11/WM/0044

Primary study design

Interventional

Study design

Randomised controlled trial

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Anaesthesia in gynaecological pelvic surgery

Interventions

Spinal or general anaesthesia

Intervention Type

Procedure/Surgery

Phase

Not Applicable

Primary outcome(s)

Postoperative pain assessed by 100mm visual analogue scale (VAS) performed at preoperative baseline, at 2 and 24 hours after surgery and at 2, 6 and 12 weeks following surgery

Key secondary outcome(s)

1. Possible complications of anaesthetic technique
2. Time to return to normal function will include postoperative recovery room stay, time to fitness for hospital discharge and SF 36 questionnaire at 12 weeks (compared to a preoperative baseline)
3. Surgical outcome will be assessed by comparing results on the Vaginal Symptoms Questionnaire at 12 weeks with preoperative baseline

Completion date

01/02/2013

Eligibility**Key inclusion criteria**

All women undergoing vaginal surgery for incontinence or prolapse, no age criteria, all patients eligible

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Key exclusion criteria

1. Lack of capacity to give consent
2. Inability to read and write English

Date of first enrolment

01/02/2012

Date of final enrolment

01/02/2013

Locations**Countries of recruitment**

United Kingdom

England

Study participating centre

University Hospital of North Staffordshire

Stoke-on-Trent

United Kingdom

ST4 6QG

Sponsor information**Organisation**

University Hospital of North Staffordshire (UK)

Funder(s)**Funder type**

Hospital/treatment centre

Funder Name

North Staffordshire Medical Institute (UK)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	01/08/2015		Yes	No