

A study to investigate the effect of heating and humidifying laparoscopic insufflation gas on post laparoscopic pain

Submission date 12/09/2003	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 12/09/2003	Overall study status Completed	☐ Statistical analysis plan ☐ Results
Last Edited 27/09/2012	Condition category Signs and Symptoms	☐ Individual participant data ☐ Record updated in last year

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

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Additional identifiers

Protocol serial number

N0084113224

Study information

Scientific Title

Study objectives

The aim of the study is to find out if women will have less pain after their laparoscopy if the gas used during the operation is not as dry and contains more water.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Randomised controlled trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Signs and Symptoms: Pain

Interventions

1. CO2 unheated and unhumified
2. CO2 heated but unhumified
3. CO2 unheated but humified
4. CO2 heated and humified

The surgeon, patient and main researcher will be blinded and only the anaesthetist will be aware of the gas used. In all cases the gas will be collected when the peritoneum is decompressed after surgery and the volume and water content measured as an estimate of water loss.

Post operative pain will be assessed using a visual response scale at 1, 2, 3 h and the evening of the operation and also the first, second and seventh day post laparoscopy. Responses will be requested for pain at the site of the wounds, pain in the pelvis and shoulder tip pain.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

Post-operative shoulder tip pain.

Key secondary outcome(s))

Analgesia used and the length of time taken to return to normal activities.

Completion date

01/12/2005

Eligibility

Key inclusion criteria

Women undergoing laparoscopic surgery for sterilisation or tubal patency testing will be given the opportunity to participate in the study. Subjects will be randomly allocated to one of the four groups.

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Not Specified

Sex

Female

Key exclusion criteria

Not provided at time of registration

Date of first enrolment

31/01/2002

Date of final enrolment

01/12/2005

Locations

Countries of recruitment

United Kingdom

England

Study participating centre

Hull and East Yorks Hospital Trust

Hull

United Kingdom

HU8 9HE

Sponsor information

Organisation

Department of Health (UK)

Funder(s)

Funder type

Government

Funder Name

The North and South Bank Research and Development Consortium (UK)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration