

Optimum intrauterine filling pressures needed to perform outpatient diagnostic hysteroscopy

Submission date	Recruitment status	<input type="checkbox"/> Prospectively registered
02/12/2011	No longer recruiting	<input type="checkbox"/> Protocol
Registration date	Overall study status	<input type="checkbox"/> Statistical analysis plan
19/12/2011	Completed	<input checked="" type="checkbox"/> Results
Last Edited	Condition category	<input type="checkbox"/> Individual participant data
16/03/2016	Surgery	

Plain English summary of protocol

Background and study aims

Outpatient diagnostic hysteroscopy is an endoscopic examination of the inside of the womb. In order to visualise inside the womb, a clear fluid is usually administered under pressure (100 mmHg) to distend the cavity of the womb. This study aims to establish if lower filling pressures can be used to visualise inside the womb and whether this may reduce the level of pain the woman experiences.

Who can participate?

All women who are due to undergo an outpatient hysteroscopy procedure in Gynaecology Outpatients Department of the University College London Hospitals (UK) and are able to give informed consent are invited to take part in this trial.

What does the study involve?

The women will be randomly allocated to three different level of filling pressure (100, 70 or 40 mmHg) and they and the assessor will not know which pressure level is used (this is called blinding). The assessor will judge whether the visualisation was adequate or inadequate and the woman will be asked to score the level of pain she experienced during the procedure. If the visualisation is inadequate, then the standard filling pressure of 100 mmHg will be used to complete the procedure.

What are the possible benefits and risks of participating?

There are no additional risks. The only risks involved will of those related to the outpatient hysteroscopy procedure itself. They include infection, bleeding and uterine perforation (making a hole in the wall of the womb) and are very rare.

Where is the study run from?

The study is carried out at the Gynaecology Outpatients Department of the University College London Hospitals (UK).

When is the study starting and how long is it expected to run for?

The study started in March 2007. We aim to recruit 230 women in total and we anticipate that the recruitment will be completed in early 2012.

Who is funding the study?

The study is sponsored by the University College London Hospitals NHS Foundation Trust (UK).

Who is the main contact?

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Contact information

Type(s)

Scientific

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Additional identifiers

Protocol serial number

06/0112

Study information

Scientific Title

Optimum intrauterine filling pressures needed to perform outpatient diagnostic hysteroscopy: a double-blind randomised trial

Study objectives

The filling pressures used to perform outpatient diagnostic hysteroscopy can be reduced without compromising the visualisation of uterine cavity and this may reduce the pain experienced by the woman

Ethics approval required

Old ethics approval format

Ethics approval(s)

The Joint UCL/UCLH Committees on the Ethics of Human Research, 28 September 2006, ref: 06/Q0502/69

Study design

Double blind randomised trial

Primary study design

Interventional

Study type(s)

Diagnostic

Health condition(s) or problem(s) studied

Hysteroscopy

Interventions

Women who are due to undergo an outpatient hysteroscopy procedure will be recruited after obtaining informed consent. They will be allocated to one of the three pressure groups (100mmHg, 70mmHg or 40mmHg) using computer generated random numbers sealed in an opaque envelope which is opened by the attending nurse or healthcare assistant who sets up the pressure of distension medium. The woman and the operator will be blinded to the allocated pressure. The hysteroscopy procedure will be performed by an experienced operator who will judge whether the uterine distension is adequate or inadequate. At this point the women will be asked to report her pain score between 0 to 10, using a Visual Analogue Scale. If the visualisation of the uterine cavity is inadequate, the operator will then ask the nurse/healthcare assistant to establish the pressure to 100 mmHg, which is the standard distension pressure used in the department to complete the procedure. Any additional necessary procedures such as biopsy, polyp or fibroid removal will be carried out after the assessment of the operator and the woman.

Intervention Type

Procedure/Surgery

Phase

Not Applicable

Primary outcome(s)

Adequate visualisation of the uterine cavity assessed at the same point when the operator judges whether the visualisation is adequate or inadequate

Key secondary outcome(s)

Visual Analogue Score (VAS) pain score assessed at the same point when the operator judges whether the visualisation is adequate or inadequate

Completion date

31/03/2012

Eligibility

Key inclusion criteria

1. Women who are referred for an outpatient hysteroscopy procedure at the University College London Hospitals
2. Those who give informed consent to participate in the trial

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

Female

Key exclusion criteria

1. Women who are unable to communicate in English
2. Those who are not suitable for an outpatient hysteroscopy (i.e active pelvic infection, possibility of pregnancy, unusually anxious women)

Date of first enrolment

01/03/2007

Date of final enrolment

31/03/2012

Locations

Countries of recruitment

United Kingdom

England

Study participating centre

Women's Health Division

London

United Kingdom

NW1 2PG

Sponsor information

Organisation

University College London Hospitals NHS Foundation Trust (UK)

ROR

<https://ror.org/042fqyp44>

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

University College London Hospitals NHS Foundation Trust (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	01/01/2014		Yes	No
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes