A double blind randomised controlled trial examining the efficacy of local anaesthesia in reducing post-operative pain when performing breast reductions

Submission date	Recruitment status	Prospectively registered
12/09/2003	No longer recruiting	☐ Protocol
Registration date	Overall study status	Statistical analysis plan
12/09/2003	Completed	Results
Last Edited	Condition category	Individual participant data
13/10/2017	Surgery	Record updated in last year

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

Mr Christopher Khoo

Contact details

Heatherwood and Wexham Park Hospitals NHS Trust Department of Plastic Surgery Wexham Park Hospital Wexham Street Slough United Kingdom SL2 4HL

Additional identifiers

Protocol serial number

N0021122446

Study information

Scientific Title

A double blind randomised controlled trial examining the efficacy of local anaesthesia in reducing post-operative pain when performing breast reductions

Study objectives

The aim is to establish whether infiltrating the breast with a very low concentration of local anaesthetic solution reduces post-operative pain following breast reducing surgery.

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)

Not Specified

Health condition(s) or problem(s) studied

Signs and Symptoms: Pain

Interventions

Following induction of anaesthesia, 500 ml of a solution of adrenaline in normal saline (control) or bupivicaine plus adrenaline in normal saline (experimental) will be infiltrated into each breast. Both the patient and the surgeon will be blinded to the patient's trial group allocation.

Intervention Type

Procedure/Surgery

Phase

Not Specified

Primary outcome(s)

Patient's post-operative use of morphine using a PCA (patient controlled analgesia) device.

Key secondary outcome(s))

Not provided at time of registration

Completion date

01/05/2004

Eligibility

Key inclusion criteria

Women aged 18 and over attending the Plastic Surgery Department at Wexham Park Hospital for breast reduction. Patient's with a history of substance abuse or who have a known allergy to the agents used will be excluded.

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 years

Sex

Female

Key exclusion criteria

Not provided at time of registration

Date of first enrolment

01/05/2002

Date of final enrolment

01/05/2004

Locations

Countries of recruitment

United Kingdom

England

Study participating centre Heatherwood and Wexham Park Hospitals NHS Trust Slough

United Kingdom SL2 4HL

Sponsor information

Organisation

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

Heatherwood and Wexham Park Hospitals NHS 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?

Participant information sheet Participant information sheet 11/11/2025 11/11/2025 No Yes