

The effects on post-operative pain of a warming dressing applied after hernia surgery

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 30/09/2014	Condition category Surgery	☐ Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Mr Andrew Melling

Contact details
Clinical Research Nurse
Professorial Unit of Surgery
North Tees General Hospital
Stockton-on-Tees
United Kingdom
TS19 8PE

Additional identifiers

Protocol serial number
N0159119156

Study information

Scientific Title

Study objectives

The application of warmth to an area has traditionally been linked with reduction in pain. In this study this theory will be tested. Localised warming to the wound area will increase blood flow and therefore provide more oxygen to the wound. The increase in blood flow and post-operative tissue oxygenation in the wound area may help to reduce post-operative pain.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Primary study design

Interventional

Study design

Randomised controlled trial

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Post-operative pain

Interventions

Group A: Standard treatment (no warming)

Group B: Two hours of postoperative warming to the wound immediately after surgery and then the patients warm their wounds twice a day for the first three postoperative days at home. An exothermic warming pad that adheres to the wound dressing provides the warmth

Pain scores are recorded for the first four hours after surgery and then over the next two weeks by the patient. Wounds are observed independently and healing is assessed at weeks two and six.

Intervention Type

Procedure/Surgery

Phase

Not Specified

Primary outcome(s)

1. Post-operative pain scores
2. Quality of life
3. Wound healing

Key secondary outcome(s)

Not provided at time of registration

Completion date

31/12/2004

Eligibility

Key inclusion criteria

Patients having hernia surgery (n = 180)

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 Years

Sex

All

Key exclusion criteria

Not provided at time of registration

Date of first enrolment

01/09/2002

Date of final enrolment

31/12/2004

Locations

Countries of recruitment

United Kingdom

England

Study participating centre

Clinical Research Nurse

Stockton-on-Tees

United Kingdom

TS19 8PE

Sponsor information

Organisation

Department of Health (UK)

Funder(s)**Funder type**

Government

Funder Name

North Tees and Hartlepool 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	01/03/2006		Yes	No