

A study to assess the efficacy of maggots as a wound debridement agent for venous leg ulcers under graduated compression bandages

Submission date 30/09/2005	Recruitment status No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
Registration date 30/09/2005	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
Last Edited 19/08/2015	Condition category Circulatory System	<input type="checkbox"/> Individual participant data

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

Mr Colin Davies

Contact details

Senior Clinical Nurse Specialist Manager
Gloucestershire Leg Ulcer Service
Cheltenham General Hospital
Sandford Road
Cheltenham
United Kingdom
GL53 7AN

Additional identifiers

Protocol serial number

N0106142799; MT4VLU07/A-V5

Study information

Scientific Title

A study to assess the efficacy of maggots as a wound debridement agent for venous leg ulcers under graduated compression bandages

Study objectives

Current hypothesis as of 04/09/2007:

To determine whether or not maggots are able to survive under layers of compression bandages and whether they provide a clinically beneficial debridement therapy for sloughy venous leg ulcers.

Previous hypothesis:

To determine whether or not maggots are able to survive under layers of compression bandages and whether they provide a clinically beneficial and cost effectiveness therapy for sloughy venous leg ulcers.

Please note that as of 04/09/2007 this trial record was amended. The main reason for these changes are due to the change in the classification of maggots (now classified as an investigational medicinal product), and therefore MHRA approval was to be sought. Before this could be performed, however, a licence number for the investigational medicinal product was to be provided and this, at the time, did not exist. However, the maggots used in this trial do now have a licence number and therefore ethics re-approval and MHRA approval are being sought, and this trial will go ahead as planned.

The original overall trial start and end dates were as follows:

Overall trial start date: 05/04/2004

Overall trial end date: 06/04/2004

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethics approval pending from Southmead Research Ethics Committee as of 04/09/2007

Study design

Randomised controlled trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Cardiovascular: Venous ulcers

Interventions

1. Control group: compression bandages
2. Treatment group: compression bandages and maggots

Intervention Type

Other

Primary outcome(s)

Current primary outcome measures as of 04/09/2007:

Percentage area debridement following maggot treatment, compared to standard treatment.

Previous primary outcome measures:

Maggot survival and reduction in time to heal venous leg ulcers.

Key secondary outcome(s)

Current secondary outcome measures:

Time to healing (in weeks)

Please note that previous to this addition there were no secondary outcome measures.

Completion date

02/06/2008

Eligibility**Key inclusion criteria**

Inclusion criteria as of 04/09/2007:

1. Patient is at least 18 years of age
2. Ankle Brachial Pressure Index greater than or equal to 0.85. N.B. calculations to be made using Doppler ultrasound measurements from both dorsalis pedis and posterior tibial arteries to minimise error (standard procedure)
3. Patient has a venous leg ulcer, located between the knee and ankle (at the level of, and including, the lateral and medial malleoli). The ulcer must be confirmed as of venous origin by venous duplex ultrasound
4. Patient's ulcer is a minimum of 4 cm² and a maximum of 100 cm² on initial screening
5. Patient's ulcer is covered by a minimum of 20% slough calculated using the manual and computer-aided planimetry method)
6. Patient understands and is willing to participate in the clinical study and can comply with the follow-up regime
7. Patient has read the patient information leaflet and signed the Local Research Ethics Committee approved informed consent form before screening and commencement of trial treatment

Previous inclusion criteria:

40 subjects aged over 18 with a venous ulcer

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Not Specified

Lower age limit

18 years

Sex

Not Specified

Key exclusion criteria

Exclusion criteria as of 04/09/2007:

1. Patient's ulcer should not show exposed blood vessels, tendon, muscle or bone
2. Patients with a history of a bleeding disorder that, in the opinion of the researcher, would make compliance with the trial protocol medically unsafe
3. Patients who are unable to understand the aims and objectives of the trial
4. Patient has any condition(s), which seriously compromises the patient's ability to complete this study, or has a known history of poor compliance with medical treatment
5. Patient has an aversion to maggots, despite careful and informative discussion between researcher and patient and explanation of the benefits of maggots

Please note that previous to this addition there were no exclusion criteria.

Date of first enrolment

03/12/2007

Date of final enrolment

02/06/2008

Locations**Countries of recruitment**

United Kingdom

England

Study participating centre

Cheltenham General Hospital

Cheltenham

United Kingdom

GL53 7AN

Sponsor information**Organisation**

Department of Health

Funder(s)

Funder type

Government

Funder Name

Gloucestershire R&D Consortium (UK)

Funder Name

Vascular Department, Cheltenham General Hospital (UK)

Funder Name

NHS R&D Support Funding (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	01/12/2015		Yes	No
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes