

# Radio surgery versus 80% phenol for toe nail matrix ablation: a randomised comparison study

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<b>Registration date</b> 29/09/2006	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 19/08/2015	<b>Condition category</b> Surgery	<input type="checkbox"/> Individual participant data <input type="checkbox"/> 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**  
N0620171683

## Study information

**Scientific Title**  
Radio surgery versus 80% phenol for toe nail matrix ablation: a randomised comparison study

**Study objectives**

Does the wound heal faster when 80% phenol is used to destroy the nail-producing cells or is healing faster when radio surgery is used to destroy the nail-producing cells?

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Not provided at time of registration

**Study design**

Single-centre blinded randomised comparative trial

**Primary study design**

Interventional

**Study type(s)**

Treatment

**Health condition(s) or problem(s) studied**

Surgery: Toenail matrix ablation

**Interventions**

60 participants (patients who have been referred for nail surgery) will be allocated an ID number. 30 randomised to 80% phenol and 30 will receive radio surgery technique for nail matrix ablation using a random number code.

**Intervention Type**

Drug

**Phase**

Not Applicable

**Drug/device/biological/vaccine name(s)**

Phenol

**Primary outcome(s)**

Healing time of the wound (to the nearest week). Pain experienced at each return visit following surgery measured using a visual scale, post-operative infection incidence measured by clinical signs and symptoms, nail regrowth incidence measured by clinical signs and symptoms, time to nail regrowth following surgery.

**Key secondary outcome(s))**

Not provided at time of registration

**Completion date**

06/10/2007

**Eligibility**

**Key inclusion criteria**

1. Subjects will be males and females
2. Aged 18-80 years
3. They will be individuals referred to the podiatry department at the Royal Devon and Exeter Hospital (Heavitree) for nail surgery under local anaesthesia
4. They will present with a condition indicating the need for nail surgery including the following conditions:
  - 4.1 Ingrowing toenail
  - 4.2 Involuting nail
  - 4.3 Fungal infection of the nail
  - 4.4 Thickening of the nail
  - 4.5 Severe nail hypertrophy
5. Each subject must be able to attend for follow-up visits including a 6-month visit and be able to provide informed consent
6. Participants will be happy to have their toe photographed and will be happy to be contacted by telephone after 1 year

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Lower age limit**

18 years

**Upper age limit**

80 years

**Sex**

All

**Key exclusion criteria**

1. Fitted with a pacemaker, artificial heart valve, artificial joints or any other type of implant because these are contra-indications to radiosurgery
2. Subungual exostosis because treatment other than nail surgery is required for this condition
3. Contraindication to anaesthesia or the procedure according to standard guidelines
4. Pregnancy or breastfeeding
5. Unable to give informed consent
6. Inadequate blood supply to the foot or toe

**Date of first enrolment**

01/09/2005

**Date of final enrolment**

06/10/2007

# Locations

## Countries of recruitment

United Kingdom

England

## Study participating centre

Podiatry

Exeter

United Kingdom

EX1 1PQ

# Sponsor information

## Organisation

Record Provided by the NHSTCT Register - 2006 Update - Department of Health

# Funder(s)

## Funder type

Government

## Funder Name

Exeter Primary Care Trust (UK), NHS R&D Support Funding

# 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?
<a href="#">Participant information sheet</a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes