

Is the pulsed dye laser an effective adjuvant to topical therapy for psoriatic plaques?

Submission date 29/09/2006	Recruitment status No longer recruiting	☐ Prospectively registered
		☐ Protocol
Registration date 29/09/2006	Overall study status Completed	☐ Statistical analysis plan
		☐ Results
Last Edited 13/12/2013	Condition category Skin and Connective Tissue Diseases	☐ Individual participant data
		☐ 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
N0203173357

Study information

Scientific Title

Study objectives

Pulsed dye laser treatments when used three times over three months with standard topical therapy effectively prevents recurrence of psoriatic plaques when compared to standard topical therapy alone.

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

Psoriasis

Interventions

Aim to recruit 20 patients. Informed consent will be obtained. Two symmetrical, similar plaques will be selected by the investigator and randomly allocated to either topical therapy alone, or topical therapy and the pulsed dye laser treatment. The lesions will be photographed, measured and scored according to the validated Psoriasis Area Severity Index (PASI). Both plaques will be treated with Dovobet ointment twice daily for four weeks, after which the plaque allocated to laser treatment would be treated with a short pulse width (500 microseconds) pulsed dye laser once monthly for three months, in addition to standard topical therapy (Dovonex ointment twice daily). The control plaques would be treated with standard topical therapy throughout. At the end of the treatment period, plaques would be examined by an investigator blinded to the treatment groups. The skin would be photographed and any residual lesion measured and scored according to the modified PASI score by an assessor blinded to the treatment groups.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

Pulsed dye laser treatments when used three times over three months with standard topical therapy effectively prevents recurrence of psoriatic plaques when compared to standard topical therapy alone.

Key secondary outcome(s)

Not provided at time of registration

Completion date

14/06/2007

Eligibility

Key inclusion criteria

20 patients with chronic plaque psoriasis, who are on topical treatment only and have symmetrical plaques on legs between 2 and 5 cm in diameter.

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Not Specified

Sex

Not Specified

Key exclusion criteria

1. Patients under 18 or over 80 years of age
2. Patients who have had systemic or ultraviolet light therapy within past 4 weeks
3. Patients who are unable to attend the laser unit on the six occasions needed

Date of first enrolment

14/09/2005

Date of final enrolment

14/06/2007

Locations

Countries of recruitment

United Kingdom

England

Study participating centre

Royal Devon & Exeter Hospital (Wonford)

Exeter

United Kingdom

EX2 5DW

Sponsor information

Organisation

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

Funder(s)**Funder type**

Government

Funder Name

Royal Devon and Exeter NHS Trust

Funder Name

NHS R&D Support Funding

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration