

# Micropulse diode vs conventional green laser treatment in clinically significant diabetic macular oedema

|                                        |                                                   |                                                                                                   |
|----------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Submission date</b><br>25/07/2007   | <b>Recruitment status</b><br>No longer recruiting | <input type="checkbox"/> Prospectively registered<br><input type="checkbox"/> Protocol            |
| <b>Registration date</b><br>30/08/2007 | <b>Overall study status</b><br>Completed          | <input type="checkbox"/> Statistical analysis plan<br><input checked="" type="checkbox"/> Results |
| <b>Last Edited</b><br>28/09/2009       | <b>Condition category</b><br>Eye Diseases         | <input type="checkbox"/> Individual participant data                                              |

**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**  
MP1

## Study information

**Scientific Title**

**Study objectives**

Micropulse diode laser has been used for patients with clinically significant diabetic macular oedema. It has not been directly compared with the standard treatment with green laser. In this study, we are going to perform a prospective randomised double-masked controlled trial to compare these two treatment modalities.

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

South East London Ethical Committee, approved on 14 August 2003(ref: 07-03-159)

**Primary study design**

Interventional

**Study design**

Prospective randomised double-masked controlled trial

**Study type(s)**

Treatment

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

Diabetic macular oedema

**Interventions**

Micropulse diode vs conventional green laser treatment

**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome(s)**

Visual acuity at 12 months.

**Key secondary outcome(s)**

The following will be assessed at 12 months:

1. Contrast sensitivity
2. Central retinal thickness
3. Visible laser scars in macula

**Completion date**

01/01/2007

**Eligibility****Key inclusion criteria**

1. Patients with clinically significant macular edema due to diabetes in at least one eye
2. Able to understand and consent to the study
3. Vision acuity on study eye better than 20/200

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Not Specified

**Sex**

All

**Key exclusion criteria**

1. Ocular surgery within the past 6 months
2. Any laser surgery in the study eye
3. Any other ocular diseases in the study eye that can alter vision during the study period
4. Poor diabetic control with HBA1c >12

**Date of first enrolment**

01/01/2005

**Date of final enrolment**

01/01/2007

**Locations****Countries of recruitment**

United Kingdom

England

**Study participating centre**

Laser and Retinal Research Unit

London

United Kingdom

SE5 9RS

**Sponsor information**

Organisation

King's College Hospital (UK)

**ROR**

<https://ror.org/01qz4yx77>

## Funder(s)

**Funder type**

Government

**Funder Name**

Ophthalmic Fund within the King's College Hospital 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? |
|---------------------------------|---------|--------------|------------|----------------|-----------------|
| <a href="#">Results article</a> | results | 01/10/2009   |            | Yes            | No              |