

# Transurethral high power (80W) potassium-titanyl-phosphate (KTP) laser vapourisation of the prostate compared with holmium laser ablation of the prostate: a single-centre randomised controlled trial in patients with obst. benign prostatic hyperplasia

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|----------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Submission date</b><br>29/09/2006   | <b>Recruitment status</b><br>No longer recruiting | <input type="checkbox"/> Prospectively registered<br><input type="checkbox"/> Protocol                       |
| <b>Registration date</b><br>29/09/2006 | <b>Overall study status</b><br>Completed          | <input type="checkbox"/> Statistical analysis plan<br><input type="checkbox"/> Results                       |
| <b>Last Edited</b><br>07/10/2014       | <b>Condition category</b><br>Surgery              | <input type="checkbox"/> Individual participant data<br><input type="checkbox"/> Record updated in last year |

## Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

### Contact name

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## Additional identifiers

### Protocol serial number

N0355178146

# Study information

## Scientific Title

## Study objectives

To determine which of the currently used energy delivery systems in laser prostatectomy provides for the most durable clinical outcomes.

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

Not provided at time of registration

## Study design

Randomised controlled trial

## Primary study design

Interventional

## Study type(s)

Treatment

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

Surgery: Prostatectomy

## Interventions

Patients will be invited to participate in the study from the out-patient clinic at the time a decision for surgical intervention has been made. They will have 2-3 weeks to consider whether or not they wish to participate and those electing to join the study will be asked to contact the Clinical Nurse Specialist for formal enrolment and randomization. All patients will be given appropriate information leaflets outlining the aims of the study. Patients electing to join the study will not undergo any further or additional investigations over and above that which is currently regarded as standard or routine practice within the department. The only variable they will submit themselves to is the formal randomization to a particular treatment arm.

## Intervention Type

Procedure/Surgery

## Phase

Not Applicable

## Primary outcome(s)

Improvements in flow rates and a reduction in IPSS scores

## Key secondary outcome(s)

Not provided at time of registration

## Completion date

01/05/2007

## Eligibility

### Key inclusion criteria

All patients will undergo routine assessment to include uroflowmetry, prostate size assessment, PSA testing and an IPSS score. Those between the ages of 55-75 and have Qmax flow rates of <15 ml/sec and an IPSS score of > 12 (moderate-severe LUTS) and have PSA measurements within the normal range will be eligible for the study. Patients with prostate volumes of between 40-120 cc will be deemed suitable for laser ablation surgery.

### Participant type(s)

Patient

### Healthy volunteers allowed

No

### Age group

Adult

### Sex

Male

### Key exclusion criteria

Patients with prostate volumes of greater than 120 cc may require open surgery and those with prostate volumes of < 40 cc may simply require bladder neck incision and are therefore exclusion criteria. Patients presenting with chronic urinary retention will be excluded from the study. These patients may have atonic bladders and voiding difficulties following the procedure may be more difficult to interpret for the purposes of the study.

### Date of first enrolment

01/11/2005

### Date of final enrolment

01/05/2007

## Locations

### Countries of recruitment

United Kingdom

England

### Study participating centre

Mid Essex Hospital Services NHS Trust (BH)

Chelmsford

United Kingdom

CM1 7ET

# Sponsor information

## Organisation

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

## Funder(s)

### Funder type

Government

### Funder Name

Mid Essex Hospital Services NHS Trust (UK)

## Results and Publications

### Individual participant data (IPD) sharing plan

### IPD sharing plan summary

Not provided at time of registration