# Effect of warm intravenous and irrigating fluids on body temperature during transurethral resection of the prostate gland

Submission date 20/12/2006	<b>Recruitment status</b> No longer recruiting	Prospectively registered		
		☐ Protocol		
Registration date 17/08/2007	Overall study status Completed	Statistical analysis plan		
		[X] Results		
<b>Last Edited</b> 29/10/2021	Condition category Urological and Genital Diseases	[] Individual participant data		

## 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 TURP/WARM 001

# Study information

#### Scientific Title

Effect of warm intravenous and irrigating fluids on body temperature during transurethral resection of the prostate gland

#### **Study objectives**

Transurethral resection of the prostate gland with irrigation and intravenous fluids at room temperature as is currently performed often leads to a drop in the core body temperature with all the possible consequences of hypothermia. Studies have shown that with the use of isothermic irrigation fluids, the drop in the core body temperature is less but still occured in some patients. My hypothesis is that if the intravenous fluid is also isothermic before delivery into the patient along with isothermic irrigation fluid, the core body temperature of the patients SHOULD NOT drop during transurethral resection of the prostate gland.

#### Ethics approval required

Old ethics approval format

#### Ethics approval(s)

Approval received from the University of Ibadan (UI)/University College Hospital (UCH) Institutional Review Committee on the 16th August 2007 (ref: UI/IRC/07/0007).

The patients will be fully informed of the study and their written informed consent obtained. There will be NO penalty for refusal to consent.

#### Study design

Randomised controlled trial

#### Primary study design

Interventional

## Study type(s)

Treatment

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

Benign Prostatic Hyperplasia (BPH)

#### **Interventions**

Allocation of patients to one of three study groups will be by the picking of a ballot by the patient from a non-transparent jar containing prelabelled squeezed slips containing the group to which the patient will be assigned.

Intervention: TURP using isothermic intravenous and isothermic irrigation fluids

#### Intervention Type

Other

#### Phase

**Not Specified** 

#### Primary outcome(s)

Hypothermia will NOT occur in the study group.

#### Key secondary outcome(s))

The patients will be more comfortable, have less morbidity and have a shorter hospital stay.

#### Completion date

31/12/2005

# **Eligibility**

#### Key inclusion criteria

Patients with benign prostatic hyperplasia who have obstructive symptoms and are already scheduled to have Transurethral Resection of their Prostate gland (TURP).

#### Participant type(s)

**Patient** 

#### Healthy volunteers allowed

No

#### Age group

**Not Specified** 

#### Sex

**Not Specified** 

#### Total final enrolment

120

#### Key exclusion criteria

Patients with co-morbid conditions such as:

- 1. Diabetes mellitus
- 2. Inquinal hernia
- 3. Vesical calculi
- 4. Asthma
- 5. Axial skeletal or hip deformities which interfered with Lloyd Davis positioning
- 6. Recent cerebrovascular accidents

#### Date of first enrolment

01/01/2001

#### Date of final enrolment

31/12/2005

# Locations

#### Countries of recruitment

Nigeria

### Study participating centre

#### **Urology Division** Ibadan Nigeria PMB 5116

# Sponsor information

## Organisation

Individual sponsor (Nigeria)

# Funder(s)

#### Funder type

Other

#### **Funder Name**

Investigator initiated and funded trial (Nigeria)

# **Results and Publications**

# Individual participant data (IPD) sharing plan

Not provided at time of registration

# 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		18/09/2007	29/10/2021	Yes	No