Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Interferential currents and desmopressin in primary nocturnal enuresis of 5-15 years old children: A Randomized clinical trial

Protocol summary

Summary
The objective of this prospective, randomized, clinical trial is to compare the efficacy of interferential currents (IFC) nasal spray of Desmopressin in the treatment of primary nocturnal enuresis of 5-15 years old children in Mofateh Clinic of Yasuj in Iran. Seventy five children with primary nocturnal enuresis were randomly assigned to receive Desmopressin (20 µg/day) for 3 weeks and if was responsive, leave off gradually in six months or IFC therapy (5 times /week, 20 minutes / sessions, up to 15 sessions). Efficacy of treatment was evaluated after accomplishment of therapeutic sessions and recurrence rate was evaluated one month later.

General information

Acronym
IRCT registration information
IRCT registration number: **IRCT138801161323N3**
Registration date: **2009-11-21, 1388/08/30**
Registration timing: **retrospective**

Last update:
Update count: **0**
Registration date
2009-11-21, 1388/08/30

Registrant information
Name
Sadrollah Mehrabi
Name of organization / entity
Country
Iran (Islamic Republic of)
Phone
+98 74 3334 6070
Email address
dr.mehrabi@yums.ac.ir

Recruitment status
Recruitment complete
Funding source
Vice-chancellor for Research, Yasuj University of Medical Sciences

Expected recruitment start date
2007-04-21, 1386/02/01
Expected recruitment end date
2008-02-20, 1386/12/01
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
Interferential currents and desmopressin in primary nocturnal enuresis of 5-15 years old children: A Randomized clinical trial

Public title
Interferential currents and desmopressin in primary nocturnal enuresis of 5-15 years old children: A Randomized clinical trial.
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria: Age 5-15 years, presence of primary nocturnal enuresis that at least had history of two times nocturnal bed wetting per week Exclusion criteria: Any history of urinary tract infections, diurnal enuresis, organic disease and abnormality of urinary systems, resistance to other treatments modalities
Age
From **5 years** old to **15 years** old
Gender
Both

Phase
3
Groups that have been masked

No information

Sample size
Target sample size: **75**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Single blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee of Yasuj University of Medical Sciences

Street address
Yasuj University of Medical Sciences, Motahari St.

City
Yasuj

Postal code
7591741417

Approval date
2007-06-07, 1386/03/17

Ethics committee reference number
23/2/1823/ب

Health conditions studied

1

Description of health condition studied
Primary enuresis

ICD-10 code
F98.0

ICD-10 code description
Nonorganic enuresis

Primary outcomes

1

Description
Complete improvment of enuresis

Timepoint
first month every two week then monthy for 6 months

Method of measurement
observation by parents

2

Description
Partial improvment of enuresis

Timepoint
First month every two weeks and then monthly for 6 months

Method of measurement
At least 50% decrease in bed wetting observed by parents

Secondary outcomes

1

Description
Recurrence of enuresis

Timepoint
one month after discontiuation of intervention

Method of measurement
observation by parents

2

Description
Adverse effects

Timepoint
First month every two weeks and then monthly for six months

Method of measurement
Report by patients or parents or observer

Intervention groups

1

Description
Nasal spray of Vasopressin, 10-20 microgram every night for three to four months and gradual tapering within 6 months

Category
Treatment - Drugs

2

Description
5 weeks treatment by IFC, three sessions per week for 20 minutes

Category
Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Shaheed Mofateh clinic,Yasuj University of Medical Sciences

Full name of responsible person
Sadrollah Mehrabi

Street address

Shaheed Beheshti hospital, Montazeri street.

City

Yasuj

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research management affairs, Yasuj University of Medical Sciences

Full name of responsible person

Mehdi Akbartabar

Street address

Emam Sajad Hospial, Yasuj university of medical science

City

Yasuj

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Research management affairs, Yasuj University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Yasuj University of Medical Sciences, Yasuj, Iran

Full name of responsible person

Sadrollah Mehrabi

Position

Associate Professor, Fellowship of endourology

Other areas of specialty/work

Street address

Yasuj University of Medical Sciences, Motahari street.

City

Yasuj

Postal code

7591741417

Phone

+98 74 1333 7228

Fax

Email

mehrabi390@yahoo.com and dr mehrabiyums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Medical school, Yasuj University of Medical Sciences

Full name of responsible person

Sadrollah Mehrabi

Position

Associate professor, Fellowship of endourology, Urology department, Yasuj University of Medical Scie

Other areas of specialty/work

Street address

Yasuj University of Medical Sciences, Motahari street

City

Yasuj

Postal code

759741417

Phone

+98 74 1222 6517

Fax

Email

mehrabi390@yahoo.com and dr mehrabiyums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Urology Department, Yasuj University of Medical Sciences

Full name of responsible person

Sadrollah Mehrabi

Position

Associate Professor, Fellowship of endourology.

Other areas of specialty/work

Street address

Motahari street, Yasuj university of medical science Yasuj

City

Yasuj

Postal code

7591741417

Phone

+98 74 1333 7228

Fax

+98 74 1222 6517

Email

mehrabi390@yahoo.com and dr mehrabiyums.ac.ir

Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty