

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 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)

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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/ۛ

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 improvement of enuresis

Timepoint

first month every two week then monthly for 6 months

Method of measurement

observation by parents

2

Description

Partial improvement 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 discontinuation 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 Hospital, 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
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Position
Associate Professor, Fellowship of endourology

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Person responsible for scientific inquiries

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Full name of responsible person
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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