

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Jun 2026

The effect of electroanalgesia on relieving the pain of peripheral poly neuropathy in patients with type II

Protocol summary

Summary

The aim of this study was to evaluate its efficacy and appropriate types of Transcutaneous Electrical Nerve Stimulation (TENS) for relieving pain in patients with neuropathy. Inclusion criteria were pain for more than 6 months, clinical symptoms of neuropathy and paraclinical symptoms of poly neuropathy. Exclusion criteria were using a pace maker, pain due to osteoarthritis and vascular diseases, radiculopathy, wound, infection and traumatic lesions in lower limbs. The sample size for each group were 13 patients. The diabetic Patients who referred to Endocrinology and Metabolism Research Centers for their monthly checkup, were referred to the study, if they were complying from neuropathy pain. thirty nine subjects with diabetes mellitus type II who complained from neuropathy pain were selected. The subjects were assigned into three groups. Two kinds of electrical nerve stimulation (TENS and Diadynamic) were used for two groups, and the last one received sham stimulation. They were treated in two steps. Outcome measures: Changes in pain were measured using qualitative pain score (from 0 to 5) and visual analogue scale (VAS).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201103176083N1**

Registration date: **2013-10-07, 1392/07/15**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-10-07, 1392/07/15

Registrant information

Name

Abbas Ali Pourmomeny

Name of organization / entity

School of Rehabilitation Sciences, Isfahan University of Medical Sciences, Isfahan, Iran

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Research Center of Medical Sciences

Expected recruitment start date

1990-01-01, 1368/10/11

Expected recruitment end date

1990-01-01, 1368/10/11

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of electroanalgesia on relieving the pain of peripheral poly neuropathy in patients with type II

Public title

The effect of electroanalgesia on relieving the pain of peripheral poly neuropathy in patients with type II diabetes

Purpose

Treatment

Inclusion/Exclusion criteria

pain due to neuropathy in diabetic patients
Excepts due to neuropathy in diabetic patients

Age

No age limit
Gender
Both
Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **39**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Regional Bioethics Committee of Isfahan University of Medical Sciences

Street address

Regional Bioethics Committee, Isfahan University of Medical Sciences

City

Isfahan

Postal code**Approval date**

2001-09-23, 1380/07/01

Ethics committee reference number

80076

Health conditions studied

1

Description of health condition studied

diabetic polyneuropathy

ICD-10 code

G63.2

ICD-10 code description

Diabetic polyneuropathy

Primary outcomes

1

Description

pain

Timepoint

before treatment, after treatment

Method of measurement

visual analog scale(VAS)

Secondary outcomes

1

Description

pain

Timepoint

pain

Method of measurement

visual Analog Scale(VAS)

Intervention groups

1

Description

Transcutaneous Electrical Nerve Stimulation(TENS) in Lower Ext. for 30 minutes every day during 2 weeks

Category

Rehabilitation

2

Description

Transcutaneous Electrical Nerve Stimulation(Diodynamic) in Lower Ext. for 30 minutes, every day during 2 weeks

Category

Rehabilitation

3

Description

placebo Transcutaneous Electrical Nerve Stimulation(TENS) in Lower Ext. for 30 minutes, every day during 2 weeks

Category

Rehabilitation

Recruitment centers

1

Recruitment center**Name of recruitment center**

diabetic centre

Full name of responsible person

Amini

Street address

Isfahan, Diabetic Centre

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research center, Isfahan University of Medical Sciences

Full name of responsible person

Adibi-Isfahan University of Medical Sciences

Street address

Research center of Isfahan University of Medical Sciences, Isfahan

City

Isfahan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Research center, Isfahan 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

Rehabilitation Sciences, Isfahan University of Medical Sciences

Full name of responsible person

pourmomeny

Position

Instructor

Other areas of specialty/work

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Web page address

Person responsible for updating data

Contact

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