

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Evaluation the effect of acetaminophen-oxicon and lorazepam for decrease the pain of EMG needeling

Protocol summary

Summary

Objective: to determine pain reduction of needle electromyography by taking oral lorazepam and acetaminophen; Study Type: random double-blind, placebo-controlled, single-center; Study population: patients referred to the hospital diagnosis depart of Ali ibn Abi Talib for needle EMG; Inclusion criteria: patients undergoing electromyography, consent to participate in the study; Exclusion criteria: myopathy, neuropathy, mental disorder, use of benzodiazepines in recent days, there is addiction to pain severe underlying neurologist diagnosed; Sample size: 150; Interventions: Administration Lorazepam (2 mg) and acetaminophen with codeine (325mg) and placebo that in this group is folic acid (mg1) . The patients in the waiting room an hour before the procedure by a trained technician who does not know anything about the type of drug being administered medication with a glass of water; The primary outcome: pain reduction; Methods: standard EMG is routinely used for patients. Doctor has no information about the kind of drug, immediately after the EMG, patients will be asked to rate their pain on a visual analogue pain mark.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015100324315N1**
Registration date: **2016-04-06, 1395/01/18**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-04-06, 1395/01/18

Registrant information

Name

Vajihe Akar

Name of organization / entity

Zahedan Medical University of Science

Country

Iran (Islamic Republic of)

Phone

+98 51 3844 8530

Email address

v.akar@zaums.ac.ir

Recruitment status

Recruitment complete

Funding source

Governmental

Expected recruitment start date

2015-06-22, 1394/04/01

Expected recruitment end date

2015-12-22, 1394/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation the effect of acetaminophen-oxicon and lorazepam for decrease the pain of EMG needeling

Public title

Effect of acetaminophen-oxicon and lorazepam for decrease the pain of EMG needeling

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: patients undergoing electromyography ;consent to participate in the study; Exclusion criteria: myopathy; neuropathy; mental disorder; use of benzodiazepines in recent days; there is addiction to pain severe underlying neurologist diagnosed

Age

No age limit

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 150

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**

Ethics Committee of Zahedan Medical University of Science

Street address

Ethics Committee of Zahedan Medical University of Science, zahedan medical university of science, Dr.Hesabi Square, Daneshgah Avenue, Zahedan

City

Zahedan

Postal code

43181-98167

Approval date

2015-05-24, 1394/03/03

Ethics committee reference number

IR.zaums.res.13934.55

Health conditions studied**1****Description of health condition studied**

Evaluation the effect of acetaminophen-oxycodone and lorazepam for decrease the pain of EMG needling

ICD-10 code

G70, G71,

ICD-10 code description

Diseases of myoneural junction and muscle

Primary outcomes**1****Description**

Pain

Timepoint

1 hour after procedure

Method of measurement

VAS Criteria

Secondary outcomes**1****Description**

nothing

Timepoint

nothing

Method of measurement

nothing

Intervention groups**1****Description**

The second group intervention: administration of 325 mg of acetaminophen codeine orally one hour before performing electromyography

Category

Treatment - Drugs

2**Description**

The third group intervention: administration of a milligram of folic acid orally one hour before performing electromyography

Category

Placebo

3**Description**

The first group intervention: administration of 2 milligram of diazepam orally one hour before performing electromyography

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Ali Ebn Abi Taleb Hospital, Zahedan

Full name of responsible person

Vajihe Akar

Street address

Neurology Department, Zahedan Ali ibn Abi Talib

Hospital, Salamat Blvd, Dr.Hesabi Sq., Zahedan
City
Zahedan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research,Zahedan University of
Medical Sciences

Full name of responsible person

Mohsen Taheri

Street address

Vice chancellor for research, Zahedan University of
Medical Sciences, Hesabi Square, Zahedan

City

Zahedan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research,Zahedan 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

Zahedan Medical University

Full name of responsible person

Vajihah Akar

Position

Medical Student

Other areas of specialty/work

Street address

Ali-ebn Abi Taleb Hospital,Salamat Blvd, Dr.Hesabi
Sq.,Daneshgah Ave., Zahedan zahedan

City

Zahedan

Postal code

98167-43463

Phone

+98 54 3341 1260

Fax

Email

Vajihahakar68@gmail.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Zahedan Medical University

Full name of responsible person

Dr. Hamed AmiriFard

Position

Neurologist

Other areas of specialty/work

Street address

Ali Ebn Abitaleb Hospital, Salamt Blvd, Dr.Hesabi Sq.,
Daneshgah Ave.,Zahedan

City

Zahedan

Postal code

Phone

+98 54 3329 5715

Fax

Email

Dr.amirifard@gmail.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Zahedan University of Medical Sciences

Full name of responsible person

Vajihah Akar

Position

Medical Student

Other areas of specialty/work

Street address

Ali-ebn Abi Taleb Hospital, Khalije Fars Blvd., Zahedan

City

Zahedan

Postal code

Phone

+54 33295580

Fax

Email

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