Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Evaluation the effect of acetaminophen-oxicodon 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 beasked 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)

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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-oxicodon and lorazepam for decrease the pain of EMG needeling

Public title

Effect of acetaminophen-oxicodon 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-oxicodon and lorazepam for decrease the pain of EMG needeling
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
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Medical Student
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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