Clinical Trial Protocol
Iranian Registry of Clinical Trials

10 Jun 2026

Comparison of the effect of positional release therapy (PRT) on trigger points of cervical muscles and pharmacologic treatment with routine pharmacologic treatment in patients with migraine headache

Protocol summary

Summary

pupose of study: Comparison of the effect of positional release therapy (PRT) on trigger points of cervical muscles(upper trapezius,sternocloidomastoid,sub occipitals,multifidus,rotators and inter spinalis) and pharmacologic treatment with routine pharmacologic treatment in patients with migraine headache study design: randomized,single blind,single central,without a placebo group as the control group population study: patients with migraine headache according to IHS that refer to the Imam Reza clinic in Shiraz inclusion criteria: having migraine headache and at least one trigger point in upper trapezius,sternocloidomastoid,sub occipitals,multifidus,rotators and inter spinalis exclusion criteria: unusual migraine conditions-use of anti stress and anti depression drug,pregnancy sample size: 22 in each group study intervention: administration of PRT on cervical muscles of patients with migraine besides using routine drugs intervention duration: 6 months study outcomes: determination of intensity,duration,headache frequency,pain threshold & cervical range of motion in two weeks period before treatment,two weeks period after treatment start, one month period after treatment start,two months period after treatment start and six months period after treatment start in both groups

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201308292708N8**
Registration date: **2014-04-22, 1393/02/02**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2014-04-22, 1393/02/02

Registrant information

Name
Ali Ghanbari
Name of organization / entity
Shiraz University of Medical Sciences
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Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2014-02-20, 1392/12/01

Expected recruitment end date

2014-05-22, 1393/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of positional release therapy (PRT) on trigger points of cervical muscles and pharmacologic treatment with routine pharmacologic treatment in patients with migraine headache

Public title

Effect of cervical trigger points treatment in recovery of patients with migraine headache

Purpose

Prevention

Inclusion/Exclusion criteria

inclusion criteria: having migraine headache and at least one trigger point in upper trapezius,sternocloidomastoid,sub occipitals,multifidus,rotators and inter spinalis-having periodical attacks in given temporal range that according to the patient affect on daily activity considerably.-cases of contriandications,non influense or over use of pharmacologic symptom therapy-using of pharmacologic treatment for acute headache over twice in a week exclusion criteria: unusual migraine conditions such as hemiplegic migraine,basilar migraine,migraine with long time aura and infarctions of migraine-use of anti stress and anti depression drug,smoking,myastenia gravis,complete obstruction of heart vessels-second grade obstruction of Atrioventricular valve-weak sinus syndrome-wolf parkinson white syndrme-sinosoidal brady cardia-acute and serius heart failure symptoms-chronic bronchitis-pulmunary amphism-chronic pulmunary obstruction disease-broncho spasm-liver failure-kidney failure-blood circulation failure-pregnancy-diabetic melitus-low blood sugar

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **44**

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

Shiraz university of medical science

Street address

Shiraz,Zand street,next to alzahra mosque

City

Shiraz

Postal code

Approval date

2017-02-15, 1395/11/27

Ethics committee reference number

CT-92-6834

Health conditions studied

1

Description of health condition studied

migraine headache

ICD-10 code

G43.0

ICD-10 code description

Migraine without aura [common migraine]

Primary outcomes

1

Description

headache intensity

Timepoint

before intervention,2 weeks after begining of intervention,1 month after begining of intervention,2 months after begining of intervention,6 months after begining of intervention

Method of measurement

questionare

2

Description

headache duration

Timepoint

before intervention,2 weeks after begining of intervention,1 month after begining of intervention,2 months after begining of intervention,6 months after begining of intervention

Method of measurement

questionare

3

Description

headache frequency

Timepoint

before intervention,2 weeks after begining of intervention,1 month after begining of intervention,2 months after begining of intervention,6 months after begining of intervention

Method of measurement

questionare

4

Description

Threshold of pain

Timepoint

before intervention,2 weeks after begining of intervention,1 month after begining of intervention,2 months after begining of intervention,6 months after begining of intervention

Method of measurement
pressure algometr device

5

Description
cervical range of motion
Timepoint
before intervention,2 weeks after begining of intervention,1 month after begining of intervention,2 months after begining of intervention,6 months after begining of intervention
Method of measurement
goniameter

Secondary outcomes

empty

Intervention groups

1

Description
intervention group:existing standard drug with positional release techniquedrug:Propranololdosage:60mg(20mg in form of 3 in day)in 1st month,80-120mg in 2nd month keeping on up to recovery.if the drug doesn't have effect,using drug would be cut.how to use:oral
Category
Treatment - Other

2

Description
control group: existing standard drug drug:Propranolol dosage:60mg(20mg in form of 3 in day)in 1st month,80-120mg in 2nd month keeping on up to recovery.if the drug doesn't have effect,using drug would be cut. how to use:oral
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Imam Reza poly clinic
Full name of responsible person
dr.Peyman Petramfar
Street address
Shiraz,Namazi square
City
Shiraz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Shiraz university of medical science
Full name of responsible person
saied Basir Hashemi
Street address
Shiraz,Zand Blvd,next to the alzahra mosque
City
Shiraz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Shiraz university of medical science
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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Full name of responsible person
Saghar Askarzadeh
Position
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Other areas of specialty/work
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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