

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Outcome comparison of different methods of Temporomandibular joint reduction in patients suffering from joint dislocation

Protocol summary

Summary

This study includes 96 patients with nontraumatic temporomandibular joint dislocation attending to Amiraalam hospital emergency ward to determine of outcome measures of three different methods of TMJ reduction. After admitting and confirming the diagnosis, the cases will be categorized to 3 groups by simple randomization. Each group will receive different method of reduction (conventional, wrist pivot method and extra oral method). After reduction, physician will fill a check list. Then the failure rate, difficulty of method for patient and physician, duration of reduction and amount of muscle relaxant usage will be compared between these three groups.

General information

Acronym

Temporomandibular joint reduction

IRCT registration information

IRCT registration number: **IRCT201304249039N2**

Registration date: **2013-07-07, 1392/04/16**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-07-07, 1392/04/16

Registrant information

Name

Shahin Bastaninezhad

Name of organization / entity

Dep. ENT, AmirAlam Hospital

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2012-01-21, 1390/11/01

Expected recruitment end date

2014-07-23, 1393/05/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Outcome comparison of different methods of Temporomandibular joint reduction in patients suffering from joint dislocation

Public title

Outcome comparison of different methods of Temporomandibular joint reduction in patients suffering from joint dislocation

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: patients with non traumatic temporomandibular joint dislocation attending to Amiraalam hospital in 1391 -92 Exclusion criteria: Patients with concomitant mandibular fracture

Age

No age limit

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 96

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

TUMS research deputy

Street address

Ghods st, Keshavarz blvd

City

Tehran

Postal code

Approval date

2013-03-10, 1391/12/20

Ethics committee reference number

91_04_48_20463_77376

Health conditions studied

1

Description of health condition studied

Temporomandibular joint dislocation

ICD-10 code

S03-0

ICD-10 code description

Dislocation of jaw

Primary outcomes

1

Description

failure of method

Timepoint

at reduction time

Method of measurement

records of physician

Secondary outcomes

1

Description

difficulty of method for patient

Timepoint

after reduction

Method of measurement

visual analog scale

2

Description

duration of reduction

Timepoint

at the time of reduction

Method of measurement

physician records(in seconds)

3

Description

difficulty of method for physician

Timepoint

after reduction

Method of measurement

visual analog scale

4

Description

need of muscle relaxant

Timepoint

after reduction

Method of measurement

physician records

Intervention groups

1

Description

conventional reduction method

Category

Other

2

Description

Extraoral reduction method

Category

Other

3

Description

wrist pivot reduction method

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Amiraalam hospital

Full name of responsible person

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Dr. Shahin Bastaninejad

Street address

ENT Department, Amir'Alam Hospital, North Sadee Avenue

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Tehran 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

Tehran University of Medical Sciences

Full name of responsible person

Shahin Bastaninejad

Position

Assistant professor of otolaryngology

Other areas of specialty/work

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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

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Tehran University of Medical Sciences

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Nilloofar Tari

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Resident of ENT

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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