

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jun 2026

Comparing the efficacy of local injection of methylprednisolone and lidocaine with and without splint, with splint making only in treating patients with De quervan tenosynovitis.

Protocol summary

Summary

The present study aimed at comparing the efficacy of local injection of methylprednisolone and lidocaine with and without splint, with splint making only (without injected drug) in treating patients suffered from De quervan tenosynovitis. The patients in this study were referred to orthopedic clinics affiliated with medical sciences university of Shahrekord in 2010. In a clinical trial study, 108 patients with De quervan tenosynovitis were selected as samples. These patients had all inclusion criteria such as complete consent for participating in the study, cooperating with physician, and acting based on his prescriptions. The patients suffered from diabetes, addicted to narcotics, interrupted the treatment and those who were deaf and mute were excluded from this study. Then, the patients were randomly divided into three groups. At the beginning of the study ,therapeutic intervention for the first group was injected 1ml of %1 lidocaine and 40 mg of metylprednisone with splint. The second group was injected 1ml of %1 lidocaine with 40 mg of metylprednisone and the third group was treated with splint only (without injected drug). All three groups followed for three weeks after intervention. The primary outcome was reduction in the mean time to recurrence of symptoms and Average pain intensity as reported by questionnaire, visual analogue scale.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138903164089N2**
Registration date: **2011-07-08, 1390/04/17**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-07-08, 1390/04/17

Registrant information

Name

Shahriar Salehitali

Name of organization / entity

Shahrekored medical university

Country

Iran (Islamic Republic of)

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+98 38 1333 5648

Email address

sh_salehi@skums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahrekored University of Medical Sciences

Expected recruitment start date

2009-03-21, 1388/01/01

Expected recruitment end date

2009-10-23, 1388/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the efficacy of local injection of methylprednisolone and lidocaine with and without splint, with splint making only in treating patients with De quervan tenosynovitis.

Public title

Comparing the efficacy of local injection of

methylprednisolone and lidocaine with and without splint, with splint making only in treating patients with De quervan tenosynovitis.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion/criteria : complete consent for participation in research project, on-time reference to doctor, complete observation of doctor's prescriptions. exclusion/criteria: Being diabetes, being deaf and mute, interrupting the treatment, being addicted to narcotics

Age

From **15 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **108**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Shahrekored University of Medical Sciences

Street address

Shahrekored University of Medical Sciences

City

Shahrekored

Postal code

8813833435

Approval date

2008-09-23, 1387/07/02

Ethics committee reference number

2-7-87

Health conditions studied

1

Description of health condition studied

tendon inflammation

ICD-10 code

M65.4

ICD-10 code description

Radial styloid tenosynovitis [de Quervain

Primary outcomes

1

Description

PAIN

Timepoint

WEEKLY

Method of measurement

Visual analogue scale

Secondary outcomes

1

Description

reduce using analgetic drug

Timepoint

weekly

Method of measurement

verbalization

2

Description

reduce to refer physician

Timepoint

follow up

Method of measurement

verbalization

Intervention groups

1

Description

Injected a dose rate of 1% lidocaine 1 cc and 40 mg methylprednisolone with splint and follow for 3 weeks

Category

Treatment - Drugs

2

Description

Injected a dose rate of 1% lidocaine 1 cc and 40 mg methylprednisolone and follow for 3 weeks

Category

Treatment - Drugs

3

Description

Fixed joints with splint and follow for three weeks

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

kashani hospital affiliated shahrekored medical universty

Full name of responsible person

shahriar salehi

Street address

kashani.st. medical university.shahrekored

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahrekored University of Medical Sciences

Full name of responsible person

shahriar salehi

Street address

shahrekored .kashani street . medical university.

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Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Shahrekored 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

Shahrekored University of Medical Sciences

Full name of responsible person

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Position

Academic member.master of science (Msc)

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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