

Clinical Trial Protocol

Iranian Registry of Clinical Trials

03 Jul 2026

Comparison of methyl prednisolone Injection versus diclofenac Injection in Treatment of Trigger Finger

Protocol summary

2019-11-24, 1398/09/03

Study aim

Determine the effect of the injection of methylprednisolone and diclofenac sodium in the treatment of patients with trigger finger

Design

In this study, 84 patients have been assigned to two groups of intervention and control by using random numbers table.

Settings and conduct

In this clinical trial, all patients who undergo surgery in Shahid Beheshti Hospital with trigger finger diagnosis include the study.

Participants/Inclusion and exclusion criteria

Inclusion criteria includes Patients age 21-65 years old with Trigger Finger Informed consent of patient in the study. Exclusion criteria include failure to follow the patient, patients who had a history of allergy to diclofenac or methylprednisolone, pregnant or lactating patients and patients who have had a history of injection drug in the same finger.

Intervention groups

One group was treated with Injected steroids and another group with Injected diclofenac sodium.

Main outcome variables

Quinel Score

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20160508027797N6**

Registration date: **2019-11-24, 1398/09/03**

Registration timing: **registered_while_recruiting**

Last update: **2019-11-24, 1398/09/03**

Update count: **0**

Registration date

Registrant information

Name

Masoud Bahrami Ferydoni

Name of organization / entity

Babol University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 11 3225 6285

Email address

m.bahrami@mubabol.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-08-25, 1398/06/03

Expected recruitment end date

2020-08-24, 1399/06/03

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of methyl prednisolone Injection versus diclofenac Injection in Treatment of Trigger Finger

Public title

Methyl prednisolone Injection versus diclofenac Injection in Treatment of Trigger Finger

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Age 65-95 years Patients with Trigger Finger Informed consent of patient in the study

Exclusion criteria:

Patients who had a history of allergy to Diclofenac or Methylprednisolone. Pregnant or lactating patients and patients who have had a previous history of injection on the same finger. Failure to follow the patient

Age

From **21 years** old to **65 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant
- Care provider

Sample size

Target sample size: **84**

Randomization (investigator's opinion)

Randomized

Randomization description

Samples will be divided into two groups of Control and intervention using Permuted Block Randomization.

Number will be selected for allocation concealment by one of the colleagues and by another, that assignment chain is chosen.

Blinding (investigator's opinion)

Double blinded

Blinding description

The drug is injected in a double-blind manner so that the drugs are prepared by the researcher and given to the treating physician and the injection is given in aseptic conditions. Examination, drug injection, evaluation of treatment outcome based on the severity of the disease based on Quinnell classification will be compared between the two groups and will be performed by the researcher if needed.

Placebo

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Babol University of Medical Sciences

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Babol University of Medical Sciences, Ganjafrooz Street, Babol, Mazandaran, Iran

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Babol

Province

Mazandaran

Postal code

4716681451

Approval date

2019-08-24, 1398/06/02

Ethics committee reference number

IR.MUBABOL.HRI.REC.1398.170

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

Trigger Finger

ICD-10 code

M65.30

ICD-10 code description

Trigger finger, unspecified finger

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

Decrease in Quinnell grade

Timepoint

3 and 6 weeks, 3 and 6 and 12 months after the first injection

Method of measurement

Quinnell grading

Secondary outcomes

empty

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

Intervention group: Medicines from Abaidi Company are selected for all patients equally. Hemoglobin A1C is measured before treatment was started. 20 mg methylprednisolone acetate injection will be.

Category

Treatment - Drugs

2**Description**

Control group: Medicines from Abaidi Company are selected for all patients equally. Hemoglobin A1C is measured before treatment was started. 12.5 mg diclofenac sodium injection will be.

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center**

Name of recruitment center

Babol Shahid Beheshti Hospital

Full name of responsible person

Dr. Masoud Bahrami Ferydoni

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Babol University of Medical Sciences; Ganjafrooz
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Babol University of Medical Sciences

Full name of responsible person

Dr. Reza Ghadimi

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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

Babol University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Babol University of Medical Sciences

Full name of responsible person

Dr. Sasan Mohammadi Jami

Position

Resident

Latest degree

Medical doctor

Other areas of specialty/work

Orthopedics

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

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Position

Assistant professor

Latest degree

Specialist

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD**Study Protocol**

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available