

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 2026

comprarison of effectiveness of using and not using nail plate from the point of infection and cosmetic aspects in patients with nail bed injuries

Protocol summary

Summary

- Aim of the study: comparison of nail bed repair with and without using nail plate in improving cosmetics and functional aspects -Main inclusion criterion: nail bed rupture -Main exclusion criterion: former deformity and nail bed rupture history in finger; -Population being studied: patients with nail bed rupture -The volume of the sample: 60 -Duration of intervention: 8 months - Primary outcome measures: pain scale using Visual Analogue Scale(VAS), rate of infections, functional and cosmetics state

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014111119901N1**
Registration date: **2014-11-25, 1393/09/04**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-11-25, 1393/09/04

Registrant information

Name

Hosein Ahmadzadeh

Name of organization / entity

Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

dr.amir87@gmail.com

Recruitment status

Recruitment complete

Funding source

Vice Chancellor for research of Tabriz University of Medical Sciences

Expected recruitment start date

2012-09-21, 1391/06/31

Expected recruitment end date

2013-04-19, 1392/01/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

comprarison of effectiveness of using and not using nail plate from the point of infection and cosmetic aspects in patients with nail bed injuries

Public title

comprarison of nail bed repair with and without nail plate

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: nail bed rupture Exclusion criteria: former deformity history in finger; former history of nail bed rupture; presence of a defect in distal phalanx; fracture of the dital phalanx,that requires fixation

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

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

Research council of Ethics Committee of Tabriz
University of Medical Sciences

Street address

third floor,central building number 2,Tabriz university
of medical sciences,Golgasht street

City

Tabriz

Postal code

5167846171

Approval date

2013-08-19, 1392/05/28

Ethics committee reference number

9396

Health conditions studied

1

Description of health condition studied

Nail bed rupture

ICD-10 code

s61.1

ICD-10 code description

open wound of fingers with damage to nail

Primary outcomes

1

Description

Pain scale based on Visual Analogue Scale(VAS)

Timepoint

First, second and third weeks,and second and third
months after intervention

Method of measurement

Based on patient's statements, subjectively

2

Description

Infections

Timepoint

First, second and third weeks,and second and third
months after intervention

Method of measurement

infectious drainage and erythma

3

Description

functional state

Timepoint

First, second and third weeks,and second and third
months after intervention

Method of measurement

restoring function and normal interphalangeal joints of
finger range of motion

4

Description

Comsetic aspects

Timepoint

First, second and third weeks,and second and third
months after intervention

Method of measurement

preserving nail bed shape, without any deformities

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: nail bed repair with nail plate,without
any fractures that need fixation

Category

Treatment - Surgery

2

Description

Control group: Nail bed repair without using nail plate

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Shohada hospital

Full name of responsible person

Asghar Elmi

Street address

Shohada hospital, Golshahr street, Elgoli road

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for research of Tabriz University of Medical Sciences

Full name of responsible person

Saeid Aslanabadi

Street address

Orthopedics educational group, Shohada hospital, Golshahr street, El Goli Broadway

City

Tabriz

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 of Tabriz 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**

Tabriz University of Medical Sciences

Full name of responsible person

Asghar Elmi

Position

Orthopedician

Other areas of specialty/work**Street address**

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Web page address

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

