

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Jul 2026

Review the results of biceps tendon transfr to finger flexors by tensor facial graft in patient with volkmann ischemia

Protocol summary

Study aim

Review the results of biceps tendon transfr to finger flexors by tensor facial graft in patient with volkmann ischemia

Design

This study was a single-group clinical trial with no control group.

Settings and conduct

This single-group clinical trial study will be performed in Shohada hospital in Tabriz. Blindness will not be achieved and all patients will have surgery. Patients with severe ischemia of the selected type undergo a tendon bypass transfer then are finger flexor by fascia lata graft then compared muscle strength and range of motion and rapid movements before and after surgery.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Severe Walkman syndrome Exclusion criteria: Infectious diseases

Intervention groups

Patients with severe ischemia of the selected type undergo a tendon bypass transfer then are finger flexor by fascia lata graft then compared muscle strength and range of motion and rapid movements before and after surgery.

Main outcome variables

Wrist movement

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20190325043107N12**

Registration date: **2019-11-29, 1398/09/08**

Registration timing: **prospective**

Last update: **2019-11-29, 1398/09/08**

Update count: **0**

Registration date

2019-11-29, 1398/09/08

Registrant information

Name

Mehdi Khanbabayi Gol

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 41 3334 7054

Email address

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-12-06, 1398/09/15

Expected recruitment end date

2020-03-05, 1398/12/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Review the results of biceps tendon transfr to finger flexors by tensor facial graft in patient with volkmann ischemia

Public title

Review the results of biceps tendon transfr to finger flexors by tensor facial graft in patient with volkmann ischemia

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Severe Walkman Syndrome
Exclusion criteria:
 Infectious Diseases
Age
 No age limit
Gender
 Both
Phase
 2
Groups that have been masked
 No information
Sample size
 Target sample size: 15
Randomization (investigator's opinion)
 N/A
Randomization description
Blinding (investigator's opinion)
 Not blinded
Blinding description
Placebo
 Not used
Assignment
 Single
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Tabriz University of Medical Sciences

Street address

Tabriz University of Medical Sciences, Azadi Ave

City

Tabriz

Province

East Azarbaijan

Postal code

5165665631

Approval date

2019-11-11, 1398/08/20

Ethics committee reference number

IR.TBZMED.REC.1398.858

Health conditions studied

1

Description of health condition studied

Finger anomaly and deformity

ICD-10 code

M20.0

ICD-10 code description

Deformity of finger(s)

Primary outcomes

1

Description

Wrist movement

Timepoint

Three months after the study and then up to one year each month

Method of measurement

sollerman hand function test

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: This study was a single-group clinical trial with no control group. This single-group clinical trial study will be performed in Shohada hospital in Tabriz. Blindness will not be achieved and all patients will have surgery. Patients with severe ischemia of the selected type undergo a tendon bypass transfer then are finger flexor by fascia lata graft then compared muscle strength and range of motion and rapid movements before and after surgery. After surgery, hand function status is measured by Solerman questionnaire in the third month.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Shohada Hospital

Full name of responsible person

Farzad Farrokhi

Street address

Azadi Ave, Shohada Hospital

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Email

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Sponsors / Funding sources

Sponsor**Name of organization / entity**

Tabriz University of Medical Sciences

Full name of responsible person

Abolghasem Jouyban

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Email

Ajouyban@hotmail.com

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

Yes

Title of funding source

Tabriz 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**

Tabriz University of Medical Sciences

Full name of responsible person

Faezad Farrokhi

Position

Doctor

Latest degree

Medical doctor

Other areas of specialty/work

General Practitioner

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Fax**Email****Person responsible for scientific inquiries****Contact****Name of organization / entity**

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Full name of responsible person

Mohammadreza Moharrami

Position

Doctor

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Other areas of specialty/work

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Person responsible for updating data**Contact****Name of organization / entity**

Tabriz University of Medical Sciences

Full name of responsible person

Mehdi Khanbabayi Gol

Position

MSc in Nursing Education

Latest degree

Master

Other areas of specialty/work

Nursery

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

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available