Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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
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Iran (Islamic Republic of)
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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
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Azadi Ave, Shohada Hospital
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Tabriz University of Medical Sciences

Full name of responsible person
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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
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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Person responsible for updating data

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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