Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Efficacy assessment of ESWT in treatment of de Quervain’s Tenosynovitis for patients

Protocol summary

Study aim
to assess the efficacy of extracorporeal shockwave therapy in the treatment of patients with de Quervain’s tenosynovitis in the present study

Design
controlled, randomized, clinical trial study

Settings and conduct
patients with de Quervain’s Tenosynovitis who referred to Physical medicine and rehabilitation centers of Isfahan University of Medical Sciences during 2015-2018: Intervention group: shock wave therapy control group: Placebo

Participants/Inclusion and exclusion criteria
The inclusion criteria were patients with de Quervain’s Tenosynovitis, with age over 18 years, no history using of physiotherapy modalities or corticosterone injections for disease during a recent month and written informed consent for participation in the study. De Quervain’s Tenosynovitis was diagnosed based on standard criteria including pain and tenderness in the lateral wrist and positive result of the Finkelstein test. However, in case of other neurological disorders and rheumatologic diseases causing wrist pain, pregnancy, history of fracture or surgery in the hand or severe trauma and coagulation disorders, were excluded from the study. Also, the patients who had chosen to withdraw the study during treatment or had a severe or acute complication after intervention or need to change the treatment were excluded from the study

Intervention groups
the patients were randomly divided into two parallel groups as extracorporeal shock wave therapy and placebo based on Random Allocation Software

Main outcome variables
Average duration of disease; evaluation of wrist pain; evaluation of disability in arm, shoulder and hand

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20120729010439N2**
Registration date: **2019-06-17, 1398/03/27**
Registration timing: **retrospective**

Last update: **2019-06-17, 1398/03/27**
Update count: **0**

Registration date
2019-06-17, 1398/03/27

Registrant information

Name
Babak Vahdatpour

Name of organization / entity
Isfahan University of Medical Sciences

Country
Iran (Islamic Republic of)

Phone
+98 31 3668 5555

Email address
vahdatpour@med.mui.ac.ir

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2016-05-21, 1395/03/01

Expected recruitment end date
2017-05-22, 1396/03/01

Actual recruitment start date
2016-05-21, 1395/03/01

Actual recruitment end date
2018-05-22, 1397/03/01

Trial completion date
2018-05-22, 1397/03/01

Scientific title
Efficacy assessment of ESWT in treatment of de Quervain’s Tenosynovitis for patients

Public title
Effect of extracorporeal shockwave therapy in the patients with de Quervain tenosynovitis

Purpose
Treatment

Inclusion/Exclusion criteria

Inclusion criteria:
patients with de Quervain’s Tenosynovitis . De Quervain’s Tenosynovitis was diagnosed based on standard criteria including pain and tenderness in the lateral wrist and positive result of the Finkelstein test no history using of physiotherapy modalities or corticosterone injections for disease during a recent month written informed consent for participation in the study

Exclusion criteria:

Age
From **18 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **26**
Actual sample size reached: **26**

Randomization (investigator's opinion)
Randomized

Randomization description
After filling written informed consent, patients randomly divided into placebo or treatment group by randomizer software.

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee of Isfahan University of Medical Sciences

Street address
Soffeh street

City
Isfahan

Province
Isfehan

Postal code
8174673441

Approval date
2016-11-21, 1395/09/01

Ethics committee reference number
IR.Mui.Rec.1395.3.805

Health conditions studied

1

Description of health condition studied
Quervain’s Tenosynovitis

ICD-10 code
M65.4

ICD-10 code description
Radial styloid tenosynovitis [de Quervain]

Primary outcomes

1

Description
DISABILITIES OF THE ARM, SHOULDER AND HAND)DASH

Timepoint
in the beginning and the weeks 3 and 6 after onset treatment

Method of measurement
questioner

Secondary outcomes

1

Description
evaluation of wrist pain

Timepoint
in the beginning and the weeks 3 and 6 after onset of treatment

Method of measurement
VAS

Intervention groups

1

Description
Intervention group: shock wave therapy

Category
Treatment - Other

2

Description
Control group: therapy with turned on machine without shock induction

Category
Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center
kashani educational medical center
Full name of responsible person
Elham Ataei
Street address
Kashani street
City
Isfahan
Province
Isfehan
Postal code
۷۳۴۶۱-۸۱۷۴۶
Phone
+98 31 3668 5555
Email
Dreliataei@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Esfahan University of Medical Sciences
Full name of responsible person
Dr Shaghayegh Haghjoo
Street address
Hezar jarib
City
Isfahan
Province
Isfehan
Postal code
8174673461
Phone
+98 31 3668 5149
Email
research@mui.ac.ir

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Esfahan 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
Esfahan University of Medical Sciences
Full name of responsible person
Babak Vahdatpour
Position
Associate professor
Latest degree
Specialist
Other areas of specialty/work
Physical Medicine
Street address
Hezar jarib
City
Isfahan
Province
Isfehan
Postal code
8174673461
Phone
+98 31 3668 5555
Email
vahdatpour@med.mui.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity
Esfahan University of Medical Sciences
Full name of responsible person
Babak Vahdatpour
Position
Associate professor
Latest degree
Specialist
Other areas of specialty/work
Physical Medicine
Street address
Hezar jarib
City
Isfahan
Province
Isfehan
Postal code
8174673461
Phone
+98 31 3668 5555
Email
vahdatpour@med.mui.ac.ir

Person responsible for updating data

Contact

Name of organization / entity
Esfahan University of Medical Sciences
Full name of responsible person
Babak Vahdatpour
Position
Associate professor

Latest degree
Specialist
Other areas of specialty/work
Physical Medicine
Street address
Hezar jarib
City
isfahan
Province
Isfehan
Postal code
8174673461
Phone
+98 31 3668 5555
Email
Vahdatpour@med.mui.ac.ir

Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available
Study Protocol
Yes - There is a plan to make this available
Statistical Analysis Plan
Yes - There is a plan to make this available
Informed Consent Form
No - There is not a plan to make this available
Clinical Study Report
Yes - There is a plan to make this available
Analytic Code
Yes - There is a plan to make this available
Data Dictionary
No - There is not a plan to make this available
Title and more details about the data/document
After making sure that the participants personal data is not possible to track, all the data and outcomes can be shared
When the data will become available and for how long
5 years after publishing the data
To whom data/document is available
Verified university research centers
Under which criteria data/document could be used
research and therapeutic purposes
From where data/document is obtainable
sending e-mail to the corresponding person
What processes are involved for a request to access data/document
receiving e-mail and checking the inquiry with the related university. After confirmation they will be introduced to our center to receive the data.
Comments