

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Comparative Effect of Kinesiology Taping and Mulligan's Pain Release Phenomena in patient having De Quervain's Tenosynovitis: A Randomized Clinical Trial.

Protocol summary

Study aim

To evaluate the effect of Kinesiology Taping and Mulligan's Pain Release Phenomena in reducing pain in patient having De Quervain's Tenosynovitis. To determine the effect of Mulligan's Pain Release Phenomena and Kinesiology Taping for improving the symptoms of De Quervain's Tenosynovitis without any complication.

Design

Single blinded Quantitative study , following the research design of randomized clinical trial .Randomization is through Lottery Method.

Settings and conduct

Subjects with De Quervain's Tenosynovitis will be taken from these 3 hospital setting Nishtar Hospital Multan, Combined Military Hospital (CMH) Multan and Shahbaz Sharif DHQ Hospital Multan. Blinding: participants will be blinded they will not be aware whether they are Treatment or Active Control Group.

Participants/Inclusion and exclusion criteria

Inclusion Criteria: Participants having mild to moderate pain 3 to 6 according to Numeric Pain Rating Scale, Difficulty moving the thumb (with Positive Finkelstein test). Exclusion criteria: Participants with following conditions -Recent fracture of wrist. -Fixed contracture of wrist.-Patient with open wounds.- Perceptive and cognitive disorders.

Intervention groups

Group A: 1-Therapeutic Ultrasound (10 min Baseline) Treatment. 2-Kinesiology Taping. Group B: 1-Therapeutic Ultrasound (10 min Baseline) Treatment. 2-Mulligan's Pain Release Phenomena.

Main outcome variables

Numeric Pain Rating Scale, Goniometer, Patient Rated Wrist Evaluation

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20220401054386N1**

Registration date: **2022-05-28, 1401/03/07**

Registration timing: **registered_while_recruiting**

Last update: **2022-05-28, 1401/03/07**

Update count: **0**

Registration date

2022-05-28, 1401/03/07

Registrant information

Name

Asma Sattar

Name of organization / entity

The University of Faisalabad

Country

Pakistan

Phone

+92 316 1614659

Email address

dpt-fa11-021@tuf.edu.pk

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-04-29, 1401/02/09

Expected recruitment end date

2022-05-30, 1401/03/09

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparative Effect of Kinesiology Taping and Mulligan's Pain Release Phenomena in patient having De Quervain's Tenosynovitis: A Randomized Clinical Trial.

Public title

Comparison of Kinesiology Taping and Mulligan's Pain Release Phenomena in patients having De Quervain's Tenosynovitis symptoms.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Patient who are willing to participate. Age 20 - 40 years. Male and Female Patients. Patient having mild to moderate pain 3 to 6 according to NPR. Difficulty moving the thumb (with Positive Finkelstein test).

Exclusion criteria:

Patient with recent fracture of wrist. Patient with fixed contracture of wrist. Patient with open wounds. Patient having perceptible and cognitive disorders. Patient who are not willing to participate.

Age

From **20 years** old to **40 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

Randomized

Randomization description

30 subjects will be taken and divided into 2 groups by simple randomization. In a random sample, each individual unit has an equal chance of getting selected. Similarly, in a lottery method, each individual unit is selected at random from the population and thereby has an equal opportunity of getting selected. Randomization is done by lottery method, sealed envelop will be made upon which allocation of participants in both groups can be possible without biasness. Lottery method always gives a random sample's outcome. A researcher randomly picks numbers, with each number corresponding to a subject or item, in order to create the sample. To create a sample this way, the researcher must ensure that the numbers are well mixed before selecting the sample population. Concealed allocation will be carried out.

Blinding (investigator's opinion)

Single blinded

Blinding description

Participants of both groups will be unaware whether they are in active control or treatment group after the informed consent has been taken from them. Participants of both group will receive the same baseline treatment that is Ultrasound. After that Physiotherapist

will apply Kinesiology Taping to one group and Mulligan Pain Release Phenomena to other group of which the participants will be unaware.

Placebo

Not used

Assignment

Other

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of The University of Faisalabad.

Street address

4-km, Sargodha Road, University Town, Faisalabad.

City

Faisalabad

Postal code

38000

Approval date

2022-04-07, 1401/01/18

Ethics committee reference number

TUF/DR/MSPP/322

Health conditions studied

1

Description of health condition studied

De Quervain's Tenosynovitis most commonly occurring cause of wrist and hand pain, commonly tendonitis of wrist. De Quervain's Tenosynovitis is a condition commonly occurring due to pathology of tendon of abductor pollicis longus and extensor pollicis brevis. De Quervain's Tenosynovitis occur with symptoms as the pain over radial styloid that increases with movement of thumb with the tenderness experienced over the first dorsal compartment. De Quervain's Tenosynovitis may be occurred either due to any acute and sudden trauma or may be more often as a result of repetitive microtrauma.

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Pain in thumb movements will be primary outcome variable.

Timepoint

Pain level will be measured before applying the intervention and then after 6 weeks after the completion of intervention

Method of measurement

Numeric Pain Rating Scale and Patient Rated Wrist Evaluation will be used.

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: A (Kinesiology Taping Group) receive baseline treatment include Therapeutic Ultrasound for 10 minutes, then Kinesiology Taping is applied for 6 weeks. Patient will received Kinesiology Taping 4 times per week .

Category

Rehabilitation

2

Description

Intervention group: B (Mulligan's Pain Release Phenomena) all subjects in this will receive baseline treatment include Therapeutic Ultrasound 10 minutes, then Mulligan's Pain Release Phenomena. PRP will apply for 6 weeks .

Category

Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center

Nishtar Hospital Multan

Full name of responsible person

Medical Superintendent Nishtar Hospital Multan

Street address

Nishtar Rd, Justice Hamid Colony, Multan,

City

Multan

Postal code

60000

Phone

+92 61 9330153

Email

webmaster@nmch.edu.pk

Web page address

2

Recruitment center

Name of recruitment center

Combined Military Hospital (CMH) Multan

Full name of responsible person

Medical Superintendent Combined Military Hospital (CMH) Multan

Street address

Ghaus ul Azam Road, near Naseem Hayat Rd. Pia Colony, Multan

City

Multan

Postal code

60000

Phone

+92 61 4504784

Email

cimspakistan@gmail.com

Web page address

3

Recruitment center

Name of recruitment center

Shahbaz Sharif DHQ Hospital Multan

Full name of responsible person

Medical Superintendent Shahbaz Sharif DHQ Hospital Multan

Street address

Abdali road near Ghanta Ghar Chowk Multan.

City

Multan

Postal code

60000

Phone

+92 61 4588580

Email

tabish_mul@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

The University of Faisalabad

Full name of responsible person

Dr. Sidra Majeed; PT

Street address

4-km Sargodha road, University Town, Faisalabad

City

Faisalabad

Postal code

38000

Phone

+92 41 8750971

Email

sidra.majeed@tuf.edu.pk

Grant name

Grant code / Reference number

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

No

Title of funding source

The University of Faisalabad

Proportion provided by this source

100

Public or private sector

Private

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
The University Of Faisalabad
Full name of responsible person
Dr. Sidra Majeed ; PT
Position
Associate Professor
Latest degree
Master
Other areas of specialty/work
Physiotherapy
Street address
4km-Sargodha Road, University Town , Faisalabad
City
Faisalabd
Province
Punjab
Postal code
38000
Phone
+92 334 7731241
Email
sidra.majeed@tuf.edu.pk

Person responsible for scientific inquiries

Contact

Name of organization / entity
The University of Faisalabad
Full name of responsible person
Asma Sattar
Position
Student
Latest degree
Master
Other areas of specialty/work
Physiotherapy
Street address
House no 04, F block Nayab City Multan
City
Multan
Province
Punjab
Postal code
60000
Phone
+92 316 1614659
Email
dpt-fa11-021@tuf.edu.pk

Person responsible for updating data

Contact

Name of organization / entity
The University Of Faisalabad
Full name of responsible person
Asma Sattar
Position
student
Latest degree
Master
Other areas of specialty/work
Physiotherapy
Street address
house 04,block F, nayab city , Multan
City
Multan
Province
Punjab
Postal code
60000
Phone
+92 316 1614659
Email
dpt-fa11-021@tuf.edu.pk

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

Yes - There is 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

Title and more details about the data/document

All collected deidentified participants data set for the outcomes measure.

When the data will become available and for how long

4 month after publication

To whom data/document is available

People working in the academic institutions .

Under which criteria data/document could be used

IPD and any additional supporting documents will be provided for the research on the similar topic and can be obtained by asking through contact person mentioned below.

From where data/document is obtainable

Contact Person : Asma Sattar. Contact number:03161614659 Email: asmatalat23@yahoo.com

What processes are involved for a request to access

data/document

Data file will be provided after talking to contact person

as mentioned in the above slot.

Comments