

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 Jul 2026

Comparison of the effects of heat controlled radiofrequency with physiotherapy on chronic pelvic pain in women

Protocol summary

Study aim

Comparison of the effects of heat controlled radiofrequency with physiotherapy on chronic pelvic pain in women referring to Yas Hospital in 2019

Design

Non controlled clinical trial, Non blinded, Non randomized

Settings and conduct

In this study, 22 patients in radiofrequency intervention group and 26 patients in physiotherapy intervention group, a total of 48 women with chronic pelvic pain at Tehran Yas Hospital were entered in the study. The intervention is heat controlled radiofrequency or physiotherapy for treatment of chronic pelvic pain. Then, the intensity of pain, pelvic floor muscle strength, pelvic floor muscle tonicity and muscle endurance compare between two groups.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Chronic pelvic pain; Exclusion criteria: Medication for treatment of chronic pelvic pain

Intervention groups

Intervention groups include women with chronic pelvic pain that will be treated with heat controlled radiofrequency or physiotherapy.

Main outcome variables

Pain; Pelvic floor strength; Pelvic floor tonicity; Muscle endurance

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200311046746N1**
Registration date: **2020-04-27, 1399/02/08**
Registration timing: **retrospective**

Last update: **2020-04-27, 1399/02/08**

Update count: **0**

Registration date

2020-04-27, 1399/02/08

Registrant information

Name

Nasim Shokouhi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 4116 0852

Email address

shokouhinasim@ymail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-09-23, 1398/07/01

Expected recruitment end date

2020-03-10, 1398/12/20

Actual recruitment start date

2019-09-23, 1398/07/01

Actual recruitment end date

2020-02-20, 1398/12/01

Trial completion date

2020-04-18, 1399/01/30

Scientific title

Comparison of the effects of heat controlled radiofrequency with physiotherapy on chronic pelvic pain in women

Public title

Comparison of the effects of radio frequency with controlled heat, with physiotherapy on chronic pelvic pain in women

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Chronic pelvic pain

Exclusion criteria:

Medication for treatment of chronic pelvic pain

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

Actual sample size reached: **48**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Factorial

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Tehran University of Medical Sciences

Street address

Tehran University of Medical Sciences, Poursina Avenue

City

Tehran

Province

Tehran

Postal code

۱۴۱۱۷-۱۳۱۳۷

Approval date

2019-06-01, 1398/03/11

Ethics committee reference number

IR.TUMS.MEDICINE.REC.1398.162

Health conditions studied

1

Description of health condition studied

Chronic pelvic pain

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Pain

Timepoint

Before the intervention, after 6 weeks and after 3 months

Method of measurement

Visual analog scale

2

Description

Pelvic floor muscle strength

Timepoint

Before the intervention, after 6 weeks and after 3 months

Method of measurement

Clinical examination

3

Description

Pelvic floor muscle tonicity

Timepoint

Before the intervention, after 6 weeks and after 3 months

Method of measurement

Clinical examination

4

Description

Muscle endurance

Timepoint

Before the intervention, after 6 weeks and after 3 months

Method of measurement

Clinical examination

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Treatment with controlled heat radio frequency

Category

Treatment - Other

2

Description

Intervention group: Physiotherapy treatment

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Yas hospital

Full name of responsible person

Nasim Shokouhi

Street address

North Nejatollahi street , karim khan avenue

City

Tehran

Province

Tehran

Postal code

1597856511

Phone

+98 21 4216 0000

Email

yashospital@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Mohammad Ali Sahraeian

Street address

Qods street, Keshavars blvd

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۱۴۱۱۷۱۳۱۳۷

Phone

+98 21 8163 3698

Email

vcr@tums.ac.ir

Grant name

Grant code / Reference number

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

No

Title of funding source

Tehran 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

Tehran University of Medical Sciences

Full name of responsible person

Nasim Shokouhi

Position

Assistant professor

Latest degree

Subspecialist

Other areas of specialty/work

Gynecology and Obstetrics

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North Nejatollahi street, Karimkhan street

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Person responsible for scientific inquiries

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Full name of responsible person

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Position

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Latest degree

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Other areas of specialty/work

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Person responsible for updating data

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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