

Clinical Trial Protocol

Iranian Registry of Clinical Trials

03 Jul 2026

The Comparison of the Effect of Abdominal Massage and Acupressure of Hego point on Infantile Colic Symptoms

Protocol summary

Study aim

Comparison of the effect of abdominal massage and acupressure of Hugo point (LI4 region) on colic signs of infancy

Design

Samples will be invited to study as convenience sampling

Settings and conduct

Based on randomized blocking, ABC, BAC, CAB and CBA blocks are divided into three groups of massage and acupressure and control. In this way, the first person will be in the massage group A and the second person of acupressure B in the third control group C.

Participants/Inclusion and exclusion criteria

The minimum and maximum infant age is 1, 3 months, respectively. The infant has a term of birth. The baby is healthy, has no digestive problems (celiac disease) and no organ failure (no hand). The baby has not received previous medical treatment for colic. Parents use of other colic treatments during intervention, The inability of the massage and acupressure to be performed correctly by the researcher Unwillingness to continue to work with the researcher. Having a disease that requires medication.

Intervention groups

Performing abdominal massage in one group and compression points in the other group and massage in the massage group three times a day for four weeks.

Main outcome variables

Reduced pain in the infantile colic

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20181027041477N1**

Registration date: **2019-03-19, 1397/12/28**

Registration timing: **registered_while_recruiting**

Last update: **2019-03-19, 1397/12/28**

Update count: **0**

Registration date

2019-03-19, 1397/12/28

Registrant information

Name

Khadijeh moghadam

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 51 3726 3313

Email address

moghadamkh2@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-03-14, 1397/12/23

Expected recruitment end date

2019-07-11, 1398/04/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Comparison of the Effect of Abdominal Massage and Acupressure of Hego point on Infantile Colic Symptoms

Public title

Effect of Abdominal Massage and Acupressure of Hego point on Infantile Colic Symptoms

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Infant 1 to 3 months Term of birth

Exclusion criteria:

No drug use The health of mother and Infant

Age

From **1 month** old to **3 months** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant

Sample size

Target sample size: **129**

Randomization (investigator's opinion)

Randomized

Randomization description

Samples will be invited to study as convenience sampling. Based on randomized blocking, ABC, BAC, CAB and CBA blocks are divided into three groups of massage and acupressure and control.

Blinding (investigator's opinion)

Single blinded

Blinding description

The participants do not Know that are invited for what group.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee Of Mashhad University Of Medical Sciences

Street address

Ebnesina

City

Mashhad

Province

Razavi Khorasan

Postal code

9137913199

Approval date

2019-03-02, 1397/12/11

Ethics committee reference number

IR.MUMS.NURSE.REC.1397.087

Health conditions studied

1

Description of health condition studied

Infant colic

ICD-10 code

R10.4

ICD-10 code description

Other and unspecified abdominal pain

Primary outcomes

1

Description

Reduced Pancreatic Colic Pain

Timepoint

First week, second week, third week, fourth week

Method of measurement

Infant Colik Scale

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: massage sessions will take place three times a day, 2 pm, 7 am and 11 pm for massage for four weeks.

Category

Treatment - Other

2

Description

Intervention group: at the pressure of the Hugo LI4, this back point, between the first and second metacarpal bones, and the pressure of one to two minutes as the color of the skin changes (10 seconds pressure and 20 seconds of rest to two minutes Complete) is done. Acupressure will be performed at three o'clock in the afternoon and night (2 o'clock, 7 o'clock and 11 o'clock).

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Health centers Mashhad

Full name of responsible person

Tahereh Sadeghi

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
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Full name of responsible person
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vcresearch@mums.ac.ir
Web page address
<http://v-research.mums.ac.ir/>

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Mashhad 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
Mashhad University of Medical Sciences
Full name of responsible person
Khadijeh Moghadam

Position
Senior Child Nursing Student
Latest degree
Bachelor
Other areas of specialty/work
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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is 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

Not applicable

Informed Consent Form

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

make this available
Clinical Study Report

Not applicable

Analytic Code

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

article

When the data will become available and for how long

one year

To whom data/document is available

team research

Under which criteria data/document could be used

Does not apply

From where data/document is obtainable

tahereh sadeghi

What processes are involved for a request to access data/document

email

Comments