

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jun 2026

The effect of light pressure stroking massage on pain intensity of patients with Sickle cell

Protocol summary

Summary

This clinical trial aims to determine the effect of light pressure stroking massage on pain intensity of patients with sickle cell anemia that will be performed in 2014 at Shafa Hospital in Ahvaz. Inclusion criteria include: over the age of 18 years old; medically diagnosed with sickle cell anemia, hospitalization due to painful crisis, not having skin wounds and fractures, not having drug addiction. Exclusion criteria are: History of participation in massage therapy sessions, hydroxyurea use during the study, sensitivity to baby oil, not completing sessions by the patients. Patients randomly Will be divided into two groups of intervention and control groups. In intervention group massage will be performed for 20 minutes and this intervention will be performed by researcher for 4 consecutive days while in the control group Except for usual treatment, patients do not receive any intervention. Pain intensity immediately before and after the intervention and Doses of opioid after the intervention will be compared between two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014102619687N1**
Registration date: **2014-12-06, 1393/09/15**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-12-06, 1393/09/15

Registrant information

Name

Fariba Jamshidifar

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences,
School of Nursing and Midwifery

Country

Iran (Islamic Republic of)

Phone

+98 84 3522 9188

Email address

jamshidifar.f@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

vice-chancellor for research and technology of Ahvaz
Jundishapur University of Medical Sciences

Expected recruitment start date

2014-09-28, 1393/07/06

Expected recruitment end date

2015-01-20, 1393/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of light pressure stroking massage on pain
intensity of patients with Sickle cell

Public title

The effect of light pressure stroking massage on pain
intensity of patients with Sickle cell anemia

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Medically diagnosed with sickle cell
anemia; hospitalization due to painful crisis; over the age
of 18 years old; not having skin wounds and fractures;
not having drug addiction. Exclusion criteria: History of
participation in massage therapy sessions; hydroxyurea
use during the study; sensitivity to baby oil; not

completing sessions by the patients .

Age

From **18 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **48**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

With randomized block method in categories of four persons, patients will be divided into two intervention and control groups.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Ahvaz Jundishapur University of Medical Sciences

Street address

Ethics Committee, vice-chancellor for research and technology, Jundishapur University of Medical Sciences, Golestan street, Ahvaz

City

Ahvaz

Postal code

–

Approval date

2014-09-27, 1393/07/05

Ethics committee reference number

ajums.REC.1393.198

Health conditions studied

1

Description of health condition studied

Sickle cell anemia

ICD-10 code

D57.0

ICD-10 code description

Sickle-cell anaemia with crisis

Primary outcomes

1

Description

Pain intensity

Timepoint

Immediately before and after intervention

Method of measurement

Numeric rating scale (NRS)

Secondary outcomes

1

Description

Doses of opioid

Timepoint

For 4 days

Method of measurement

Sum of injected doses

Intervention groups

1

Description

Intervention group: In addition to their usual treatment, they undergo 4 sessions of light pressure stroking massage once a day for 20 minutes for 4 days.

Category

Other

2

Description

Control Group: Except for usual treatment, they do not receive any intervention during this time.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Thalassemia Clinic of shafa Hospital

Full name of responsible person

Fariba Jamshidifar

Street address

Jundi Shapur University of Medical Sciences, School of Nursing and Midwifery, Golestan street, Ahvaz

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

□ vice-chancellor for research and technology of
Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Dr. Mohammad Pedram

Street address

Ahvaz Jundishapur University of Medical Sciences,
vice-chancellor for research and technology, Golestan
street, Ahvaz,

City

Ahvaz

Grant name

-

Grant code / Reference number

-

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

Yes

Title of funding source

□ vice-chancellor for research and technology of Ahvaz
Jundishapur University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

empty

Person responsible for general inquiries**Contact****Name of organization / entity**

School of Nursing and Midwifery, JundiShapur
University of Medical Sciences

Full name of responsible person

Fariba Jamshidifar

Position

Msc student of nursing

Other areas of specialty/work**Street address**

JundiShapur University of Medical Sciences, School of
Nursing and Midwifery, Golestan Road, Ahvaz

City

Ahvaz

Postal code

-

Phone

+98 61 3377 7216

Fax

-

Email

jamshidifar.f@ajums.ac.ir

Web page address

-

Person responsible for scientific inquiries**Contact****Name of organization / entity**

School of Nursing and Midwifery, Jundi Shapur
University of Medical Sciences

Full name of responsible person

AbdulAli Shariati

Position

MSc of nursing education

Other areas of specialty/work**Street address**

Ahvaz Jundishapur University of Medical Sciences,
Nursing school, Golestan road, Ahvaz, Khozestan

City

Ahvaz

Postal code

-

Phone

+98 61 3377 7216

Fax

+98 61 3373 8331

Email

jamshidifar.f@ajums.ac.ir

Web page address

-

Person responsible for updating data**Contact****Name of organization / entity**

School of Nursing and Midwifery, Jundishapur
University of Medical Sciences

Full name of responsible person

Fariba Jamshidifar

Position

MSc student of nursing education

Other areas of specialty/work**Street address**

Ahvaz Jundishapur University of Medical Sciences,
Nursing school, Golestan road, Ahvaz, Khozestan

City

Ahvaz

Postal code

-

Phone

-

Fax

-

Email

jamshidifar.f@ajums.ac.ir

Web page address

-

Sharing plan**Deidentified Individual Participant Data Set (IPD)**

empty

Study Protocol

empty

Statistical Analysis Plan

empty
Informed Consent Form
empty
Clinical Study Report
empty

Analytic Code
empty
Data Dictionary
empty