Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

The effect of warm moist compresses Calendula ointment Infusion in phlebitis of dextrose 50% through the peripheral veins in Emam Khomeini hospital

Protocol summary

Summary

Objective; Phlebitis due to peripheral venous infusion of dextrose 50%, and its comparison with the standard method of applying hot and humid, in the years 1396-1395 was conducted in Tehran. Design and settingand conduct: This study is a clinical trial on 128 patients with 50% dextrose infusion catheter phlebitis due to peripheral veins. The samples were randomly divided into four groups of 32 people, including warm compresses wet, calendula ointment, and each divided control, Place IV catheters has been studied since the beginning of phlebitis, phlebitis after starting the catheter removed and replaced in another location. Participants including major eligiblity criteria; Lack of a history of asthma and allergy to Calendula ointment; Lack of intravenous anticoagulant ; Having access to prescription; Having age between 20-70; Having consciousness and the ability to participate in the study; Lack of skin diseases in the area of phlebitis; Phlebitis caused by infusion of dextrose 50%. Intervention; In intervention groups for 3 days and at intervals of 8 hours, ointment Calendula (2 × 4cm = 2 / 5gr) or compresses hot and humid (20 minutes) at phlebitis went to work. In the control group did not, Severity of phlebitis before intervention and every day to 3 days based on a scale of five degrees of phlebitis Jackson wasThe main outcome variables: phlebitis, warm moist compresses, ointment Calendula, dextrose, peripheral veins .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017060334306N1**
Registration date: **2017-06-18, 1396/03/28**
Registration timing: **retrospective**
Last update:
Update count: **0**

Registration date

2017-06-18, 1396/03/28

Registrant information

Name

Neda Joorabloo

Name of organization / entity

Islamic Azad University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 4446 2895

Email address

n.joorabloo@iautmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Investigator

Expected recruitment start date

2016-12-30, 1395/10/10

Expected recruitment end date

2017-04-30, 1396/02/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of warm moist compresses Calendula ointment Infusion in phlebitis of dextrose 50% through the peripheral veins in Emam Khomeini hospital

Public title

Calendula ointment effect on phlebitis induced by

infusion of dextrose 50% through the peripheral veins

Purpose

Supportive

Inclusion/Exclusion criteria

Participants including major eligibility criteria: Lack of a history of asthma and allergy to Calendula ointment; Lack of intravenous anticoagulant steroid; Having age between 20-70; Having consciousness and the ability to participate in the study; Lack of skin diseases in the area of phlebitis; Phlebitis caused by infusion of dextrose 50%. Participants excluding major eligibility criteria; Lack of desire to continue cooperation in the study; Failure to use correct and timely Calendula ointment and warm moist compresses during the study.

Age

From **30 years** old to **79 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **128**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

does not have

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee Islamic Azad University, Tehran Medical Unit

Street address

Zargande aveneue، Tehran

City

Tehran

Postal code

Approval date

2017-01-03, 1395/10/14

Ethics committee reference number

IR.IAU.TMU.REC.1395.273

Health conditions studied

1

Description of health condition studied

Phlebitis

ICD-10 code

I80

ICD-10 code description

Phlebitis and thrombophlebitis

Primary outcomes

1

Description

Calendula ointment healing effect on phlebitis

Timepoint

3 days after the intervention.

Method of measurement

Scale Jackson

Secondary outcomes

empty

Intervention groups

1

Description

The intervention groups: Calendula ointment (Dine) use 2.5 g every 8 hours for 3 over skin days after the onset of phlebitis and the other intervention group warm wet compress use 20 minutes every 8 hours for 3 days over skin after the onset of phlebitis. Control groups: placebo was measured not only daily phlebitis

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Department of Surgery Imam Khomeini Hospital

Full name of responsible person

Neda Joorabloo

Street address

Bagherkhan Street

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research Tehran Azad University Medical

Full name of responsible person

Amir Fakhar

Street address
Zargande avenue, Tehran
City
Tehran
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 Tehran Azad University Medical
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
Islamic Azad University, Tehran Medical Branch
Full name of responsible person
Tahereh Nasrabadi
Position
HEAD OF College
Other areas of specialty/work
Street address
Zargande Avenue
City
Tehran
Postal code
Phone
+98 21 2263 4874
Fax
Email
taherehnasrabadi2009@gmail.com
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Islamic Azad University of Medical Sciences
Full name of responsible person
Tahereh Nasrabadi
Position
PHD
Other areas of specialty/work
Street address
Zargandeh Avenue
City
Tehran
Postal code
Phone
+98 21 2263 4874
Fax
Email
taherehnasrabadi2009@gmail.com
Web page address

Person responsible for updating data

Contact

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