Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The effect of rosemary ointment on the incidence of phlebitis and catheter venous (peripheral vascular catheter) in children admitted to the pediatric ward of Ganjavian Dezful Hospital in 1396

Protocol summary

Summary

This research will be conducted to determine the effects of rosemary ointment on the incidence of phlebitis and angioedema-induced infection in children at Dezful Hospital, Ganjavian Hospital, on 76 patients. The patients will be selected based on the inclusion criteria and then randomly divided into the intervention and control groups. In the intervention group, the rosemary ointment will be used every 24 hours to 72 hours after the patient is admitted, at a dose of 1cm and 1 cm in the distal IV line. In the control group, ocersin ointment is used as a placebo in the same condition and amount .of oceerin ointment as a placebo with the same condition and amount specified in the control group.. And will be used in the control group of oceerin ointment as a placebo with the same condition and amount specified in the control group. IV line site is controlled every 12 hours for up to 72 hours by someone other than the researcher for phlebitis, and every 24 hours the ointment is cleaned and reused. If at least two signs of 5 phlebitis symptoms (inflammation, redness, pain and rooting of the vein on the touch) are detected, then the phlebitis is considered to be definitive, and the angioedectomy cannula is separated by sterilization and sent to the laboratory for culture.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017072634381N4**
Registration date: **2017-09-11, 1396/06/20**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2017-09-11, 1396/06/20

Registrant information

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Name of organization / entity
Dezful Azad University

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Recruitment status
Recruitment complete

Funding source
Rafsanjan University of Medical Sciences

Expected recruitment start date
2017-08-23, 1396/06/01

Expected recruitment end date
2018-01-21, 1396/11/01

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title

The effect of rosemary ointment on the incidence of phlebitis and catheter venous (peripheral vascular catheter) in children admitted to the pediatric ward of Ganjavian Dezful Hospital in 1396

Public title

Effect of rosemary ointment on phlebitis at the IV insertion site

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:aged 12 to 1; intravenous access for at least 72 hours; non-perinatal and peripheral vascular disease; non-use of steroidal drugs; heparin; nitroglycerin.Exclusion criteria:side effects drug

Age

From **95 years** old to **84 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **76**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Rafsanjan University of Medical Sciences

Street address

Nursing faculty, Jomhori street, Rafsanjan Rafsanjan

City

Rafsanjan

Postal code

Approval date

2017-07-31, 1396/05/09

Ethics committee reference number

IR.RUMS.REC.1396.91

Health conditions studied

1

Description of health condition studied

phlebitis

ICD-10 code

I80

ICD-10 code description

Phlebitis and thrombophlebitis

2

Description of health condition studied

Infection

ICD-10 code

T80.2

ICD-10 code description

Infections following infusion, transfusion and therapeutic injection

Primary outcomes

1

Description

incidence of phlebitis

Timepoint

24,48,72 hourse after catheter placement

Method of measurement

phlebitis scale

Secondary outcomes

1

Description

Infection

Timepoint

24,48,72 hourse after catheter placement

Method of measurement

In the laboratory by blood cultures

Intervention groups

1

Description

After fixing the catheter, every 12 hours to 72 hours, the amount of half a-centimeter rosemary ointment of 1 cm in the distal part of the catheter, use from the area of the hand to the elbow.

Category

Prevention

2

Description

After fixing the catheter, every 12 hours to 72 hours, the amount of half a-centimeter Oserin ointment of 1 cm in the distal part of the catheter, use from the area of the hand to the elbow.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Dr. Ganjavian Hospital

Full name of responsible person

Street address
City
Dezful

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Rafsanjan University of Medical Sciences
Full name of responsible person
Dr. Majid Kazemi
Street address
Nursing faculty, Jomhori street, Rafsanjan
City
Rafsanjan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Rafsanjan 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

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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