

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 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

2017-09-11, 1396/06/20

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

Registrant information

Name

Ferdos Pelarak

Name of organization / entity

Dezful Azad University

Country

Iran (Islamic Republic of)

Phone

+98 916 941 7091

Email address

pelarak.f@dums.ac.ir

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 hours after catheter placement

Method of measurement

phlebitis scale

Secondary outcomes

1

Description

Infection

Timepoint

24,48,72 hours 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

Person responsible for general inquiries

Contact

Name of organization / entity

Rafsanjan University of Medical Sciences

Full name of responsible person

Dr. Majid Kazemi

Position

Associate Professor of Nursing

Other areas of specialty/work

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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