

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

Effect of topical using Rosmarinus ointment on the incidence and severity of phlebitis due to antibiotic therapy in Intensive Care Units

Protocol summary

Summary

1-Purpose: This study has been conducted to determine the effect of topical using Rosmarinus ointment on the incidence and severity of phlebitis due to antibiotic therapy in Intensive Care Units. 2-Plan: After getting permission from Ahvaz Jundishapur University of Medical Sciences and submitting it to the President of Dr. Ganjavian Hospital of Dezful and the Head of the ICU department, 46, 18 to 60 year-old patients who have inclusion criteria have been selected within three months. 3- Methods: 46 patients with antibiotic therapy, who admitted to Intensive Care Unit, were enrolled in a clinical trial and they randomly divided in two equal, control & intervention, groups. 4-Inclusion criteria: 18-60 years ; antibiotic therapy management with Ceftriaxone and Vancomycin; Application No. 20-18 catheter Supra Company; catheterization into arm vein; No septic conditions during catheterization. 5-Interventions: They will use 2/8 gr of Rosmarinus ointment every 12 hours, two times a day, from the first day of admitted up to the third day. Exclusion criteria: underlying fever and neutropenia; received another Vegetable oil or drug; no sign of allergy 6-Incidence and severity of phlebitis were assessed in 24, 48 and 72 hours after catheterization.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016021914930N5**
Registration date: **2016-05-21, 1395/03/01**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-05-21, 1395/03/01

Registrant information

Name

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Name of organization / entity

Dezful Medical Sciences University

Country

Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Ahvaz Jundishapur University of Medical Sciences

Expected recruitment start date

2016-01-21, 1394/11/01

Expected recruitment end date

2016-03-20, 1395/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of topical using Rosmarinus ointment on the incidence and severity of phlebitis due to antibiotic therapy in Intensive Care Units

Public title

Effect of Rosmarinus ointment on phlebitis

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: 18-60 years ; antibiotic therapy management with Ceftriaxone and Vancomycin; Application No. 20-18 catheter Supra Company; catheterization into arm vein; No septic conditions during

catheterization. Exclusion criteria: underlying fever and neutropenia;received another Vegetable oil or drug; no sing of allergy

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **46**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethic Committee of Vice chancellor for Research of Ahvaz Jundishapur University of Medical Sciences

Street address

vic Research of Ahwaz Joundi Shapoor Medical Sciences University, Golestan, Ahwaz

City

Ahwaz

Postal code

Approval date

2016-04-04, 1395/01/16

Ethics committee reference number

IR.AJUMS.REC.1394.735

Health conditions studied

1

Description of health condition studied

phlebitis

ICD-10 code

I98*

ICD-10 code description

Other disorders of circulatory system in diseases classified elsewhere

Primary outcomes

1

Description

phlebitis incidence

Timepoint

24,48,72

Method of measurement

phlebitis numerical scale

Secondary outcomes

1

Description

phlebitis severity

Timepoint

24,48,72

Method of measurement

phlebitis numerical scale

Intervention groups

1

Description

2/8 gr of Rosmarinus ointment for topical using, every 12 hours, two times a day, from the first day of antibiotic therapy up to the third day

Category

Prevention

2

Description

2/8 gr of Oserin ointment for topical using, every 12 hours, two times a day, from the first day of antibiotic therapy up to the third day

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Chronic Disease Care Research Center - Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Marziyeh Asadi Zaker

Street address

Chronic Disease Care Research Center - Ahvaz Jundishapur University of Medical Sciences Ahvaz ,Iran

City

Dezful

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for Research of Ahvaz Jundishapur
University of Medical Sciences

Full name of responsible person

Mojdeh Dezfali

Street address

Ahvaz Jundishapur University of Medical Sciences-
Golestan mini city-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 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**

Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Marziyeh Asadi Zaker

Position

PHD- Assistance Professor

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

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Person responsible for updating data

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Full name of responsible person

Abbass Sheykhi

Position

Student of Mastery in Critical Care Nursing

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University of Medical Sciences-Ahvaz

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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