Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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 Cefteriaxon and Vancomycin; Application No. 20-18 catheter Supa 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 sing of allergy 6-Incidence and severity of phlebitis were assesed 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

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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 Cefteriaxon and Vancomycin; Application No. 20-18 catheter Supa 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 numberical 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 Dezfuli
Street address
Ahvaz Jundishapur University of Medical Sciences-Golestan mini city-Ahwaz
City
Ahwaz
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

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Full name of responsible person
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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