

Clinical Trial Protocol

Iranian Registry of Clinical Trials

25 Jul 2026

The Comparison of celox powder and conventional gauze dressing on time to hemostasis of vascular access in hemodialysis patients

Protocol summary

Summary

The aim of this study is to investigate the effect of celox powder in decreasing time to hemostasis of vascular punctures site in hemodialysis patient. in 67 dialysis patients three time in week (with interval of 48 hours) time to hemostasis of fistula of puncture site measurement and average of this three sessions determined as the time to hemostasis of arteriovenous fistula for per patient. The patients who Time to hemostasis was eight minuts or more of eight minutes selected with sampling rely on purpose .then per puncture site of arteriovenous fistula in three separated week(Per week ,in two consecutive sessions) ,in first week with routine dress gram celox powder and in third week with use of 0.5 gram celox powder treatment. Time to Hemostasis for per punctur site in three method Measurmented and recorded and analysed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013072813968N2**

Registration date: **2014-02-02, 1392/11/13**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-02-02, 1392/11/13

Registrant information

Name

Mahmood Choubdar

Name of organization / entity

Mashhad University of Medical Sciences

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Mashhad University of Medical Sciences Vice chancellor for research

Expected recruitment start date

2013-04-13, 1392/01/24

Expected recruitment end date

2013-06-29, 1392/04/08

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Comparison of celox powder and conventional gauze dressing on time to hemostasis of vascular access in hemodialysis patients

Public title

The effect of celox powder on hemostasis of vasscular access in hemodialysis pateint.

Purpose

Supportive

Inclusion/Exclusion criteria

inclusion criteria: Have consent for participant in study; three time in week treatment with hemodialysis ; vascular access is fistful; age of 18-75 ; Time to hemostasis Of vascular puncture site is eight minutes or more of eight minutes. Exclusion criteria:Not Orient to place, person and time ; have coagulopathy problem and abnormal bleeding.

Age

From **18 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 11

Randomization (investigator's opinion)

N/A

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethic committee of Mashhad University of Medical Science

Street address

Ghoraishy Building, University St, Mashhad

City

Mashhad

Postal code**Approval date**

2013-02-28, 1391/12/10

Ethics committee reference number

911055

Health conditions studied**1****Description of health condition studied**

hemodialysis

ICD-10 code

z49

ICD-10 code description

Care involving dialysis

Primary outcomes**1****Description**

hemostasis

Timepoint

till to hemostasis

Method of measurement

cronometr

Secondary outcomes**1****Description**

Rebleeding

Timepoint

After 48 hours

Method of measurement

Quational form

2**Description**

alergy

Timepoint

After 48 hours

Method of measurement

Quational form

Intervention groups**1****Description**

The first week :In two consecutive sessions with removing of needles,one regular gauze with diameter and wide 2/5 centimeter placement in site of removal of needles and mild manually pressure apply. per two minutes , punctures site look for hemostasis.Time to hemostasis account for per punctur. the more time, record for patient of hemostasis time.

Category

Treatment - Other

2**Description**

The second week: in two consecutiv session, 1 gram celox powder pour on gauze with diameter and wide 2/5 cm and with removing of needles placement in site of removal of needles and mild manually pressure apply.per two minutes ,punctures site look for hemostasis.Time to hemostasis account for per punctur . the more time recorded for patient omosf hetasis time.

Category

Treatment - Drugs

3**Description**

The third week: As the second week but half gram of celox powder used

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza Hospital

Full name of responsible person

Hamid Chamanzari

Street address

Emamreza Hospital , Mashhad

City

Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mashhad University of Medical Sciences Vice
chancellor for research

Full name of responsible person

Dr. Jalil Tavakol Afshari

Street address

Ghoraishy Building, University St, Mashhad

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Mashhad

Grant name

Grant code / Reference number

**Is the source of funding the same sponsor
organization/entity?**

Yes

Title of funding source

Mashhad University of Medical Sciences Vice chancellor
for research

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

Mashhad university of Medical

Full name of responsible person

Mahmood Choubdar

Position

Critical care Nursing Arshad Expert student

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