

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Sep 2026

Effect of changing position and out of bed early on some complications of cardiac catheterization

Protocol summary

Summary

To assess the effect of changing position and early ambulation on the urinary retention, back pain, bleeding and hematoma after cardiac catheterization. Methods: This is a quasi-experimental study, including four groups of 35 patients (140 samples with random sampling). group A received a common protocol, remaining supine and flat in bed for 6 hours. Patients in group B were positioned after Angiography as the first time sleeping in the back and the head of the bed was raised to an angle of 15 degree; in the second hour head of the bed was changed to 30 and in the third hour to 45; then position was changed to the right side for half an hour and to the left side for another half an hour, and in the sixth hour the patient was allowed to get out of the bed. In group C, patients had early ambulation in the fourth hour after angiography. In Group D, combination of changed position and early ambulation were used. Then the amount of bleeding, hematoma, back pain and urinary retention were measured in 0, 1, 2, 4, 6 and 24 hours after angiography. Data were collected by the use of personal information questionnaire and Numeric Pain Intensity Scale and Christenson check list for investigating the amount of bleeding and hematoma.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201108131860N2**
Registration date: **2012-02-09, 1390/11/20**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2012-02-09, 1390/11/20

Registrant information

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Gorgan university of Medical Sciences

Expected recruitment start date

2001-03-10, 1379/12/20

Expected recruitment end date

2012-03-10, 1390/12/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of changing position and out of bed early on some complications of cardiac catheterization

Public title

Effect of body position changes and exit prematurely on complications due to catheterization

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: age between 65-18 years; blood pressure less than 100/180 mmHg; the absence of active bleeding disorders, PT and PTT 16 seconds under 90 seconds; no history of diabetes, and sensory problems.

Exclusion criteria: chest pain associated with the new change strip; the incidence of active bleeding during the procedure; serious rhythm disturbance immediately after cardiac catheterization; a history of peripheral vascular disease; previous history of back pain; history of urinary problems; use of drugs for pain, Rate translation.

Age

From **16 years** old to **65 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **140**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Gorgan university of Medical Sciences

Street address

Department of Research & Technology, University of medical Sciences

City

Gorgan

Postal code

568-49165

Approval date

2011-03-16, 1389/12/25

Ethics committee reference number

541/35/پ گ

Health conditions studied

1

Description of health condition studied

cardiac catheterization

ICD-10 code

I20

ICD-10 code description

Angina pectoris

Primary outcomes

1

Description

bleeding

Timepoint

0 and 1, 2, 4, 6 and 24 hours after angiography

Method of measurement

Christenson check list

2

Description

hematoma

Timepoint

0 and 1, 2, 4, 6 and 24 hours after angiography

Method of measurement

Christenson check list

3

Description

back pain

Timepoint

0 and 1, 2, 4, 6 and 24 hours after angiography

Method of measurement

Visual Analog Scale

4

Description

urinary retention

Timepoint

0 and 1, 2, 4, 6 and 24 hours after angiography

Method of measurement

Questionnaire

Secondary outcomes

1

Description

protrombin time (PT)

Timepoint

0 and 24 hours

Method of measurement

second

Intervention groups

1

Description

Group control : the patient would be complete bed rest during 6 hours after angiography

Category

Prevention

2

Description

Intervention group 1: the patient would be positioned after Angiography, then patient would get out of bed after 6 hours

Category

Prevention

3

Description

Intervention group 2: the patient would be complete bed rest during 4 hours after angiography and then get out of bed

Category

Prevention

4

Description

Intervention group 3: Both of position changing and early getting out of bed

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Dr Gnhyvan Hospital

Full name of responsible person

Shazad Mehranfard

Street address

City

Dezful

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Department of Research & Technology, Gorgan University of medical Sciences

Full name of responsible person

Dr Arabi

Street address

Department of Research & Technology, University of medical Sciences

City

Gorgan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Department of Research & Technology, Gorgan 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

Gorgan University of Medical Sciences

Full name of responsible person

Ali Akbar Abdollahi

Position

Faculty of Nursing and Midwifery School

Other areas of specialty/work

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Person responsible for updating data

Contact

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