

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparing the effect of sponge cooling and ice packs on controlling of fever in febrile patients in intensive care units

Protocol summary

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Summary

Two methods of Sponge cooling with Ice packs on controlling of fever of the febrile patients in intensive care unit will be compared. Inclusion Criteria: not having renal failure and electrolyte disturbance; not taking blood during past 24 hours. Exclusion Criteria: shivering; Resistance fever above 40 degree of centigrade. 60 febrile patients hospitalized in critical care unit will allocated into two groups. In group 1, all patients will receive Sponge cooling with water 1 to 3 degree of centigrade on their axillary and groin areas up to 3 hours. In group 2, all patients will receive Ice packs on their axillary and groin areas up to 3 hours. Then the rate of fever of all patients will measure every 15 minutes.

Recruitment status

Recruitment complete

Funding source

Deputy of Research of Arak University of Medical Sciences

Expected recruitment start date

2016-09-22, 1395/07/01

Expected recruitment end date

2016-12-20, 1395/09/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016101730294N2**

Registration date: **2016-10-23, 1395/08/02**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-10-23, 1395/08/02

Registrant information

Name

Mansoreh Karimikia

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 86 3367 4702

Email address

Scientific title

Comparing the effect of sponge cooling and ice packs on controlling of fever in febrile patients in intensive care units

Public title

Effect of sponge cooling and ice packs on controlling of fever

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion Criteria: Not having renal failure and electrolyte disturbance; not taking blood during past 24 hours.

Exclusion Criteria: shivering; Resistance fever above 40 degree of centigrade.

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: 60

Randomization (investigator's opinion)

Randomized

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

Medical Ethics Committee of Arak University of
Medical Sciences

Street address

Sardasht Sq.

City

Arak

Postal code

Approval date

2016-08-22, 1395/06/01

Ethics committee reference number

JIR. ARAKMU.REC.1395.211

Health conditions studied

1

Description of health condition studied

Fever

ICD-10 code

R50.9

ICD-10 code description

Fever, unspecified

Primary outcomes

1

Description

Fever

Timepoint

Every 15 minutes

Method of measurement

Tempanic Thermometer

Secondary outcomes

empty

Intervention groups

1

Description

In group 1, all patients will receive Sponge cooling with water 1 to 3 degree of centigrade on their axillary and groin areas up to 3 hours.

Category

Treatment - Other

2

Description

In group 2, all patients will receive Ice packs on their axillary and groin areas up to 3 hours.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Valie Asr Hospital

Full name of responsible person

Mansoreh Karimikia

Street address

Sarsasht Sq.

City

Arak

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor Of Research, Arak University of
Medical Sciences

Full name of responsible person

Dr. Mohammad Rafiei

Street address

Sardasht Sq.

City

Arak

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor Of Research, Arak 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
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Person responsible for updating data

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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