Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 2026

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

Protocol summary

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.

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

m.karimikia@arakmu.ac.ir

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

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
]IR. 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 Termometer

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
Arak University of Medical Sciences

Full name of responsible person
Mansoreh Karimikia

Position
Master of Sciences 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