

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Jul 2026

Investigate the effect of brushing with pure water on the incidence of ventilator-associated pneumonia in patients in intensive care units

Protocol summary

Summary

The purpose of this study is to determine the effect of brushing with pure water on the incidence of ventilator-associated pneumonia in hospitalized patients in intensive care units. Study population, patients in intensive care units in selected hospitals in Yazd is 1393. This study is randomized clinical trial with a sample size of 168 patients is determined by sampling (random allocation) will be. The inclusion criteria for this study included an endotracheal tube, having teeth, aged between 20 to 85 years, lack of aspiration, lack of symptoms, the disease is immunosuppressive. The control group consisted of 84 patients with common hospital procedures, including control of tracheal tube cuff, rinsing with saline and suction mouth - throat is to get. The intervention group consisted of 84 patients who received the hospital routine brushing with distilled water to get. VAP diagnosis based on criteria CIPS (CLINICALLY INFECTION PULMONARY SCORE) is. The outcomes of patients with ventilator associated pneumonia are

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013102115101N1**

Registration date: **2014-05-08, 1393/02/18**

Registration timing: **na**

Last update:

Update count: **0**

Registration date

2014-05-08, 1393/02/18

Registrant information

Name

Fakhri Toriki

Name of organization / entity

Shahid Sadoughi University of Medical Sciences

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Recruitment status

Not enough for processing

Funding source

Shahid Sadoughi University of Medical Sciences

Expected recruitment start date

2014-09-01, 1393/06/10

Expected recruitment end date

2014-08-22, 1393/05/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigate the effect of brushing with pure water on the incidence of ventilator-associated pneumonia in patients in intensive care units

Public title

Investigate the effect of brushing with pure water on the incidence of ventilator-associated pneumonia in patients in intensive care units

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria for this study: a tracheal tube; having teeth; aged between 20-85 years Exclusion criteria: signs of aspiration; debilitating disease of the immune system

Age

From **20 years** old to **85 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **168**

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**

Shahid Sadoughi University of Medical Sciences

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Central Building of University ,Bahonar Square

City

Yazd

Postal code**Approval date**

2014-02-03, 1392/11/14

Ethics committee reference number

17/1/223783

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

Ventilator Associated Pneumonia

ICD-10 code

J95.8

ICD-10 code description

Other postprocedural respiratory disorders

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

Ventilator Associated Pneumonia

Timepoint

During the stay in the intensive care unit

Method of measurement

Turbidity and the development of radiographic infiltrate plus two other symptoms include a high temperature of 38.5 or below 36.5 ° C, leukocytosis or leukopenia (above 10,000 or below 1500), purulent secretions, endotracheal tube and positive culture of tracheal aspirates

Secondary outcomes

empty

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

Control group: routine hospital procedures, including control of tracheal tube cuff, rinsing with saline and suction mouth - pharynx is receiving

Category

Prevention

2**Description**

Intervention group: in addition to receiving routine hospital procedures, including control of tracheal tube cuff, rinsing with saline and suction mouth - throat, brushing with pure water to get

Category

Prevention

Recruitment centers**1****Recruitment center****Name of recruitment center**

Alzahra Hospital

Full name of responsible person

Fakhri Torki

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Shohadaye Sofee Street, Darvazeh Shiraz Square, Isfahan

City

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Shahid Sadoughi University of Medical Sciences

Full name of responsible person

Dr.Fatemah Ezoddini

Street address

Deputy for research, Central Building of Shahid Sadoughi University of Medical Sciences, Bahonar Square

City

Yazd

Grant name

Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Shahid Sadoughi 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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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