

# 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

##### Country

Iran (Islamic Republic of)

##### Phone

+98 35 1824 1751

##### Email address

f.torki114@ssu.ac.ir

##### 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

**Street address**

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

**Street address**

Shohadaye Sofee Street, Darvazeh Shiraz Square, Isfahan

**City**

Isfahan

**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**  
Shahid Sadoughi University of Medical Sciences  
**Full name of responsible person**  
Fakhri Torki  
**Position**  
Anesthesiology  
**Other areas of specialty/work**  
**Street address**  
School of Nursing Midwifery,Buali street, Safaieh  
**City**  
Yazd  
**Postal code**  
**Phone**  
+98 35 1824 1751  
**Fax**  
**Email**  
F.torki114@gmail.com  
**Web page address**

## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**  
Shahid Sadoughi University of Medical Sciences  
**Full name of responsible person**  
Khadijeh Nasiriani  
**Position**

Nursing PHD  
**Other areas of specialty/work**  
**Street address**  
School of Nursing Midwifery,Buali street, Safaieh  
**City**  
Yazd  
**Postal code**  
**Phone**  
+98 35 1824 1751  
**Fax**  
**Email**  
Nasiriani@gmail.com  
**Web page address**

## Person responsible for updating data

### Contact

**Name of organization / entity**  
Shahid Sadoughi University of Medical Sciences  
**Full name of responsible person**  
Fakhri Torki  
**Position**  
Anesthesiology  
**Other areas of specialty/work**  
**Street address**  
School of Nursing Midwifery,Buali street, Safaieh  
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F.torki114@gmail.com  
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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*