

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

31 May 2026

### The Comparison Effects of Chlorhexidine Mouthwash and Combination with Oral Suction on Oral Hygiene in Critically Ill Patients

#### Protocol summary

##### Summary

Aim: Oral hygiene is important among patients who are admitted in intensive care units. It is one of main issues in nursing care. The purpose of this study was to compare the effects of mouthwash 2% Chlorhexidine and combination with oral suction on oral hygiene in intensive care unit patients. Materials and Methods: In a semi-experimental research design, the 90 patients who were admitted to the intensive care units, selected. inclusion criteria: patient admitted in icu; patient be intubated and patient be under mechanical ventilation. Exclusion criteria: patient have injury in lips and oral; patient have surgery in oral and tracheostomy. Patients randomly divided in two groups. In group one mouthwash with 2% Chlorhexidine applied and in the group two, 2% Chlorhexidine in combination with oral suction used. These procedures applied in 7 days. Oral hygiene status of patients assessed by using Beck checklist at the 1st and 7th days of admission in intensive care units. According to research aims data analysis is down.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2012072310366N2**

Registration date: **2012-12-18, 1391/09/28**

Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2012-12-18, 1391/09/28

##### Registrant information

###### Name

Maryam Tajadiny

##### Name of organization / entity

Kerman University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 34 1223 5011

##### Email address

maryam.tajadiny@gmail.com

##### Recruitment status

**Recruitment complete**

##### Funding source

Kerman University of Medical Sciences

##### Expected recruitment start date

2012-11-21, 1391/09/01

##### Expected recruitment end date

2013-05-22, 1392/03/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The Comparison Effects of Chlorhexidine Mouthwash and Combination with Oral Suction on Oral Hygiene in Critically Ill Patients

##### Public title

The Comparison Effects of Chlorhexidine Mouthwash and Combination with Oral Suction on Oral Hygiene in Critically Ill Patients

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

inclusion criteria: patient admitted in icu; patient be intubated and patient be under mechanical ventilation.

Exclusion criteria: patient have injury in lips and oral; patient have surgery in oral and tracheostomy.

##### Age

From **7 years** old to **60 years** old

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **90**

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

**Blinding (investigator's opinion)**

Double blinded

**Blinding description**

**Placebo**

Not used

**Assignment**

Parallel

**Other design features**

**Secondary Ids**

empty

**Ethics committees**

1

**Ethics committee**

**Name of ethics committee**

kerman university of medical science

**Street address**

kerman . gomhory bolvard

**City**

kerman

**Postal code**

7618747653

**Approval date**

2012-11-10, 1391/08/20

**Ethics committee reference number**

k/91/216

**Health conditions studied**

1

**Description of health condition studied**

Oral health

**ICD-10 code**

K00-14

**ICD-10 code description**

Disorders of tooth development and eruption

**Primary outcomes**

1

**Description**

Oral health

**Timepoint**

First and seventh days

**Method of measurement**

Beck instrument

**Secondary outcomes**

empty

**Intervention groups**

1

**Description**

In group one mouthwash with 2% Chlorhexidine applied .

These procedures applied in 7 days. Oral hygiene status of patients assessed by using Beck checklist at the 1st and 7th days of admission in intensive care units.

According to research aims data analysis is down

**Category**

Prevention

2

**Description**

In the second group, 2% Chlorhexidine in combination with oral suction used. These procedures applied in 7 days. Oral hygiene status of patients assessed by using Beck checklist at the 1st and 7th days of admission in intensive care units. According to research aims data analysis is down

**Category**

Prevention

**Recruitment centers**

1

**Recruitment center**

**Name of recruitment center**

Bahonar hospital

**Full name of responsible person**

Maryam Tajadini

**Street address**

ICU 1, Bahonar hospital, Kerman

**City**

Kerman

**Sponsors / Funding sources**

1

**Sponsor**

**Name of organization / entity**

Kerman University of Medical Sciences

**Full name of responsible person**

Dr. Reza Malekpour Afshar

**Street address**

Kerman University of Medical Sciences

**City**

Kerman

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Kerman 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**

Kerman University of Medical Sciences

**Full name of responsible person**

Maryam Tajadiny

**Position**

Master of nursing

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**Email**

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**Web page address****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*