Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Evaluation the effect of intervention based on information-motivation-behavioral skills model in prevention of alveolar osteitis (dry socket)

Protocol summary

Summary

(1)Objectives: determination the effect of intervention based on information-motivation-behavioral skills model in prevention of alveolar osteitis (dry socket) (2)Design (study groups and phase, sample size, blinding, randomization, single or multi center): study was done on 204 people who came to surgery department of dentistry college of zahedan to extract wisdom tooth of the lower jaw. The participants are randomely divided into two groups of control and intervention and are studied in a parallel, single-blind way. The study is of a single-center kind. (3) Setting and conduct: the control group will receive the common training of the surgery department of dentistry college about after-extraction cares and the intervention group will receive the training based on information-motivation-behavior skills model. this training will be done in a 20-minutes session, face to face, with an individual discussion and giving out a designed pamphlet based on this model. (4) Participants including major eligibility criteria: the patients who want to extract the wisdom tooth of the lower jaw and have the letter of satisfaction to participate in the study and don't have precedent of having dry socket. (5) Intervention: before tooth extraction, based on information-motivation-behavioral skills model (6) main outcome measures (primary and secondary outcome variables): the number of patients suffering from dry socket

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016041927482N1**
Registration date: **2016-05-25, 1395/03/05**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-05-25, 1395/03/05

Registrant information

Name
Hamed Nemati Rezvani
Name of organization / entity
Faculty of Dentistry, Zahedan University of Medical Sciences
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Iran (Islamic Republic of)
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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research,Zahedan University of Medical Sciences

Expected recruitment start date

2016-04-29, 1395/02/10

Expected recruitment end date

2016-05-09, 1395/02/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation the effect of intervention based on information-motivation-behavioral skills model in prevention of alveolar osteitis (dry socket)

Public title

evaluation the effect of teaching health-care issues after tooth extraction on prevention of dry socket

Purpose
Prevention
Inclusion/Exclusion criteria
inclusion criterias: presenting paper consent in order to participate the study exclusion criterias: 1:having psychological issues. 2:Alcohol and cigarettes consumption 3:having a history of dry dry socket 4:pregnant women or consuming Oral contraceptive pill 5:stop participating in the study
Age
From **20 years** old
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **204**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Single blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features
randomization using the table of random numbers.

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of Zahedan University of Medical Sciences
Street address
Pardis Department of Zahedan University of Medical Sciences , Khalije Fars Boulvard, Dr.Hesabi Square, Zahedan.
City
Zahedan
Postal code
98167-43463
Approval date
2016-02-21, 1394/12/02
Ethics committee reference number
ir.zaums.rec.1394.405

Health conditions studied

1

Description of health condition studied
dry socket
ICD-10 code
k10.3
ICD-10 code description
Alveolitis of jaws

Primary outcomes

1

Description
the number of patients suffering from dry socket
Timepoint
a weak after intervention
Method of measurement
examining the patients

Secondary outcomes

1

Description
_
Timepoint
_
Method of measurement
_

Intervention groups

1

Description
intervention group: this group will know about the dry socket in a 20-minutes session, giving out a designed pamphlet based on the information-motivation-behavior skills model and will be trained about after-extraction cares. these cares include keeping gauze on the socket of tooth for one hour, not spitting, not drinking liquids by straw, not eating or drinking hot food or hot liquid for one day and gargling with saline the next day.
Category
Prevention

2

Description
control group: this group will receive the common teaching of the surgery department that is keeping gauze on the socket of tooth for one hour.
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center

Department of Surgery, Faculty of Dentistry, Zahedan University of Medical Sciences

Full name of responsible person

Nemati Rezvani, Hamed- Specialist in Oral & Maxillofacial Surgery

Street address

Department of Surgery, Faculty of Dentistry, Azadegan East Street, Zahedan

City

Zahedan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research of Zahedan University of Medical Sciences

Full name of responsible person

Rafighdoost Hoshang

Street address

Pardis Department of Zahedan University of Medical Sciences, Khalije Fars Boulvard, Dr.Hesabi Square, Zahedan.

City

Zahedan

Grant name

10506

Grant code / Reference number

10506

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

Yes

Title of funding source

Vice Chancellor for Research of Zahedan 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

Faculty of Dentistry, Zahedan University of Medical Sciences

Full name of responsible person

Nemati Rezvani, Hamed

Position

Specialist in Oral & Maxillofacial Surgery, Assistant Professor and Academic Board Member

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