Clinical Trial Protocol
Iranian Registry of Clinical Trials

24 Jun 2026

Evaluation of different particle size of Iranian allograft(cenobone) in socket preservation procedure

Protocol summary

Study aim
evaluation of different particle size bone material in preserving if dental socket
Design
clinical trial,randomized,blind, without control group,25 patient input
Settings and conduct
dentistry factuly of Ahwaz joundishapour university of medical science. using similar package of bone material
Participants/Inclusion and exclusion criteria
hopless teeth,healthy systemically.endodontic reason or caries that can't restore.patient who want to placing dental implant
Intervention groups
tooth extractin and filing the socket with bone material small particle size in first group and large particle size in second group.then bone material coverd by collagen membrane and flap sutured
Main outcome variables
increasing or preserving height and width of alveolar bone

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20191015045118N1**
Registration date: **2019-12-04, 1398/09/13**
Registration timing: **retrospective**

Last update: **2019-12-04, 1398/09/13**
Update count: **0**
Registration date
2019-12-04, 1398/09/13

Registrant information
Name
Seyed alireza Moosavi azarang
Name of organization / entity
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Iran (Islamic Republic of)
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Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2017-10-02, 1396/07/10
Expected recruitment end date
2019-01-30, 1397/11/10
Actual recruitment start date
2017-11-01, 1396/08/10
Actual recruitment end date
2019-01-30, 1397/11/10
Trial completion date
2019-04-30, 1398/02/10

Scientific title
Evaluation of different particle size of Iranian allograft(cenobone) in socket preservation procedure

Public title
Socket preservation
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:
Patient that have Hopless tooth Systemically healthy
Exclusion criteria:
Systemic disease Smoker Pregnancy Periodontitis Childs Genetic disease
Age
From **18 years** old to **60 years** old
Gender
Both

Phase
N/A
Groups that have been masked

- Participant

Sample size
Target sample size: **25**
Actual sample size reached: **25**
Randomization (investigator's opinion)
Randomized
Randomization description
First, a list was made and patients were added to the list at the time of referral. Patients were randomly divided into two groups by random number table. In the first group, small particle size was used for socket preservation and in the second group, large particle size was used
Blinding (investigator's opinion)
Single blinded
Blinding description
Using unknown particle size that patient don't knows how many particle size used(using similar package)
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of Ahwaz University of Medical Sciences
Street address
Golestan
City
Ahwaz
Province
Khouzestan
Postal code
9414974877
Approval date
2018-08-29, 1397/06/07
Ethics committee reference number
Ir.ajums.rec.1397.338

Health conditions studied

1

Description of health condition studied
Socket preservation
ICD-10 code
ICD-10 code description

Primary outcomes

1

Description
Height and width of alveolar ridge
Timepoint
first day and after 4 month
Method of measurement
using CBCT(cone beam cumputered tomography) measurement tools to evaluate ridge dimention

Secondary outcomes

1

Description
no need to any secendry bone augmentation
Timepoint
first day and 4 month
Method of measurement
CBCT measerment tools

Intervention groups

1

Description
first group, small particles sized bone graft material was used and The same collagen membrane was applied to the bone powder. The gingiva was finally sutured and the sutures were removed after two weeks.
Category
Treatment - Surgery

2

Description
Intervention group: second group, the large particle size was used. The same collagen membrane was applied to the bone powder for both groups. The gingiva was finally sutured and the sutures were removed after two weeks.
Category
Treatment - Surgery

Recruitment centers

1

Recruitment center
Name of recruitment center
Dental factuly of Ahwaz university of medical science
Full name of responsible person
Seyed alireza moosavi azarang
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Ahvaz University of Medical Sciences
Proportion provided by this source
100
Public or private sector
Public
Domestic or foreign origin
Domestic
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact
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Consultant
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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available
Study Protocol
Yes - There is a plan to make this available
Statistical Analysis Plan
Yes - There is a plan to make this available
Informed Consent Form
Yes - There is a plan to make this available
Clinical Study Report
Yes - There is a plan to make this available
Analytic Code
Yes - There is a plan to make this available
Data Dictionary
Yes - There is a plan to make this available
Title and more details about the data/document
Primary outcom will share
When the data will become available and for how long
We start to share after june 2020
To whom data/document is available
Any one can access to data
Under which criteria data/document could be used
Any one can use
From where data/document is obtainable
Dentistry factuly of ahwaz jundishapour univercity
What processes are involved for a request to access data/document
Emailing the author takes about a week
Comments