Clinical Trial Protocol
Iranian Registry of Clinical Trials

01 Nov 2026

Evaluation of the local effect of clindamycin before the placement of immediate implants(fresh socket) in bone and implant osteointegration after treatment

Protocol summary

Study aim
Determination if the local effect of clindamycin before the placement of immediate implants in bone and implant osteointegration after treatment

Design
A two-arm parallel group with a control group that both study and control groups are from one patient

Settings and conduct
This study use the patient that refer to the postgraduate periodontics unit of dental school at the Islamic Azad university of isfahan

Participants/Inclusion and exclusion criteria
Inclusion criteria: Minimum age should be 18; the Patient has at least 2 areas that is an infected teeth that should be extracted and implanted. Exclusion criteria: Patient has systemic disease; Pregnancy; Patient has peridontitis; Smokers.

Intervention groups
One group use clindamycin Another one don't use this drug

Main outcome variables
Osteointegration

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20230607058412N1**
Registration date: **2023-08-21, 1402/05/30**
Registration timing: **prospective**

Last update: **2023-08-21, 1402/05/30**
Update count: **0**

Registration date
2023-08-21, 1402/05/30

Registrant information

Name
Mostafa Esmaeilzadeh

Name of organization / entity

Country
Iran (Islamic Republic of)

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+98 34 3422 0424

Email address
mostafa.esm22@gmail.com

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2023-08-23, 1402/06/01

Expected recruitment end date
2023-09-01, 1402/06/10

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Evaluation of the local effect of clindamycin before the placement of immediate implants(fresh socket) in bone and implant osteointegration after treatment

Public title
Evaluation of the local effect of clindamycin before the placement of immediate implants(fresh socket) in bone and implant osteointegration after treatment

Purpose
Treatment

Inclusion/Exclusion criteria

Inclusion criteria:
Have at least one infected tooth that should be extracted

Be indicated for implant insertion
Exclusion criteria:
Smoker's Low oral hygiene

Age
From **18 years** old

Gender
Both

Phase
2-3

Groups that have been masked
No information

Sample size
Target sample size: **26**

Randomization (investigator's opinion)
Not 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
Ethics committee of Azad university of isfahan

Street address
Arghavanie Ave., danehsgah Blvd., Azad university of isfahan

City
Isfahan

Province
Isfehan

Postal code
8155139998

Approval date
2023-06-25, 1402/04/04

Ethics committee reference number
IR.IAU.KHUISF.REC.1402.155

Health conditions studied

1

Description of health condition studied
Periimplantitis

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
Rate of osteointegration

Timepoint
3 months

Method of measurement
Periotest device

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: in this group solution of clindamycin irrigated at the socket of extracted tooth

Category
Treatment - Drugs

2

Description
Control group: in this group we don't use irigation of clindamycin solution

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Azad university

Full name of responsible person
Ehsan Rafiei

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Arghavanieh

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Islamic Azad University

Full name of responsible person
Mehrdad Barekatain
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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
Islamic Azad University

Proportion provided by this source
100

Public or private sector
Private

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
Name of organization / entity
Islamic Azad University
Full name of responsible person
Ehsan Rafiei
Position
Professor
Latest degree
Specialist
Other areas of specialty/work
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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
Undecided - It is not yet known if there will be 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

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available

Title and more details about the data/document

Final Result of study

When the data will become available and for how long

After the finishing of study at 2023

To whom data/document is available

Patient that included in study

Under which criteria data/document could be used

Improvement of knowledge

From where data/document is obtainable

Azad university

What processes are involved for a request to access data/document

University evaluation

Comments