

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 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)

Phone

+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

Isfahan

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 irrigation of clindamycin solution

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Azad university

Full name of responsible person

Ehsan Rafiei

Street address

Arghavanieh

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Email

Info@khuisf.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Islamic Azad University

Full name of responsible person

Mehrdad Barekatin

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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

Dentistry

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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