

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jul 2026

Comparing Patient Satisfaction & Stress Distribution on Mandibular Ridge by Three Posterior Occlusal Scheme in Complete Denture

Protocol summary

Summary

In this randomized clinical trial to compare the patients' satisfaction of complete dentures with different occlusal forms, after simple randomized sampling of 15 participant that will be signed informed consent and their latest teeth was extracted 3 month ago, will be selected. For each participant, it will be made 3 set of complete dentures that are variable in occlusion only. During the study, dissatisfied participants can leave it. In this randomized clinical trial to compare the patients' satisfaction of complete dentures with different occlusal forms, after simple randomized sampling of 15 participant that will be signed informed consent and their latest teeth was extracted 3 month ago, will be selected. For each participant, it will be made 3 set of complete dentures that are variable in occlusion only. During the study, dissatisfied participants can leave it. Each set will be inserted for 1 month in 5 participant randomly. The participants will be examined in two stages, after a day and after a week. At the end of month the questionnaire will be filled out and the pressure under the mandibular denture base will be measured with the pressure sensors in invitro study. Then the second and third denture will be inserted simultaneously.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201110097749N1**
Registration date: **2011-11-04, 1390/08/13**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-11-04, 1390/08/13

Registrant information

Name

ramin mosharraf

Name of organization / entity

university

Country

Iran (Islamic Republic of)

Phone

+98 31 1624 8238

Email address

mosharraf@dnt.mui.ac.ir

Recruitment status

Recruitment complete

Funding source

Medical University of Isfahan

Expected recruitment start date

2011-10-31, 1390/08/09

Expected recruitment end date

2012-03-29, 1391/01/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing Patient Satisfaction & Stress Distribution on Mandibular Ridge by Three Posterior Occlusal Scheme in Complete Denture

Public title

Comparing Patient Satisfaction & Stress Distribution on lower jaw by Three Posterior Teeth Closure Scheme in Complete Denture

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: edentulous patients ; atleast 3 month ago the latest teeth was extracted ; ideal jaw relation ;

signing the informed consent Exclusion criteria:
uncontrolled systemic disease ; mentally problem ;
dissatisfaction for keeping on the study

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 15

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Crossover

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Isfahan Regional Bioethics Committee

Street address

Department of Research and Technology, Building
number4, central organ of university, Medical
University of Isfahan, Iran

City

Isfahan

Postal code

81745-319

Approval date

2011-09-26, 1390/07/04

Ethics committee reference number

190052

Health conditions studied

1

Description of health condition studied

Edentulous

ICD-10 code

K06.9

ICD-10 code description

Disorder of gingiva and edentulous alveolar ridge,
unspecified

Primary outcomes

1

Description

Patients' Satisfaction

Timepoint

After 1 month

Method of measurement

Questionair

2

Description

Pressure Ditrubution Under Mandibular Denture Bases

Timepoint

After 1 month

Method of measurement

Pressure sensor

Secondary outcomes

1

Description

Pateints' Dissatisfaction

Timepoint

During the Study

Method of measurement

Examination and Questionair

Intervention groups

1

Description

Making a set of complete denture with new Buccalized
Occlusion that is different from current occlusion in my
country. In this type just buccal casps of mandibular
teeth will be connect to the central fossa of maxillary
teeth and lingual casps have not contact.

Category

Other

2

Description

Making a set of complete denture with lingualized
Occlusion that is different from current occlusion in my
country. This type are using in japan. In this type just
lingual casps of maxillary teeth will be connect to the
central fossa of mandibular teeth and buccal casps have
not contact.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Department of Prosthodontics in Faculty of Dentistry
of Medical University of Isfahan

Full name of responsible person

Mohammad Javad Shirani

Street address

Department of Prosthodontics, Faculty of Dentistry,
Medical University of Isfahan, Iran

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javaad.sh_f@yahoo.com

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Isfahan University of Medical Sciences

Full name of responsible person

Doctor Fallah

Street address

Department of Research and Technology, Building
number4, central organ of university, Medical
University of Isfahan, Iran

City

Isfahan

Grant name

دانشگاه علوم پزشکی اصفهان 1244003

Grant code / Reference number

190052

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

Yes

Title of funding source

Isfahan 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

Medical University of Isfahan

Full name of responsible person

Mohammad Javad Shirani

Position

Under graduated Student of Dentistry

Other areas of specialty/work

Street address

Department of Prosthodontics, Faculty of Dentistry,
Medical University of Isfahan, Iran

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Postal code

Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

Ramin Mosharraf

Position

Prosthodontics Specialist

Other areas of specialty/work

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Person responsible for updating data

Contact

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Full name of responsible person

Mohammad Javad Shirani

Position

Under graduated Student of Dentistry

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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