

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

comparison of motivation, expectation, satisfaction and treatment efficiency between patients treat with clear aligner and patients treat with fixed orthodontic

Protocol summary

Study aim

Comparison of motivation, expectation, satisfaction and treatment efficiency between patients treat with clear aligner and patients treat with fixed orthodontic

Design

This is a non-blinded clinical trial. The study population will be all patients referred to the orthodontics department of Kermanshah school of dentistry .40 eligible patients will be selected conveniently and randomly assigned to two intervention groups.

Settings and conduct

This study which will be conducted in the Kermanshah school of dentistry is a non-blinded one. Patients will complete the motivation, expectation, satisfaction, and Patients will complete the motivation, expectation, satisfaction, and efficacy questionnaire before starting the study. efficacy questionnaire before starting the study.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Patients who do not need tooth extraction for treatment

Intervention groups

The first intervention group will receive fixed orthodontic treatment. The second intervention group will receive clearer aligner treatment.

Main outcome variables

Satisfaction, treatment efficiency

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20130812014333N130**

Registration date: **2019-11-25, 1398/09/04**

Registration timing: **registered_while_recruiting**

Last update: **2019-11-25, 1398/09/04**

Update count: **0**

Registration date

2019-11-25, 1398/09/04

Registrant information

Name

Feizollah Foroughi

Name of organization / entity

kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 83 1821 4653

Email address

froughi@kums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-11-06, 1398/08/15

Expected recruitment end date

2019-12-06, 1398/09/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

comparison of motivation, expectation, satisfaction and treatment efficiency between patients treat with clear aligner and patients treat with fixed orthodontic

Public title

comparison of motivation, expectation, satisfaction and treatment efficiency between patients treat with clear

aligner and patients treat with fixed orthodontic

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria:
Patients with moderate need for orthodontics Informed consent
Exclusion criteria:
Patients who do not need tooth extraction for treatment
Patients who need beauty supplies

Age
No age limit

Gender
Both

Phase
2-3

Groups that have been masked
No information

Sample size
Target sample size: 40

Randomization (investigator's opinion)
Randomized

Randomization description
Individual randomization method using random number table through code reception.40similar cards will be provided which 20 of them are coded 1 which is indicative of the first intervention group, and 20 of them are coded 2 which is indicative of the second intervention group. Anyone who is eligible for inclusion in the study will select one of these cards randomly.

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 Kermanshah University of Medical Sciences

Street address

Building No.2, Shahid Beheshti, Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences

City

Kermanshah

Province

Kermanshah

Postal code

6715847141

Approval date

2019-10-15, 1398/07/23

Ethics committee reference number

ir.kums.rec.1398.696

Health conditions studied

1

Description of health condition studied

Satisfaction from orthodontic

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

satisfaction

Timepoint

After the end of the study

Method of measurement

Based on the Patient Satisfaction Questionnaire

2

Description

treatment efficiency

Timepoint

Before the study and one month after the study

Method of measurement

Based on the Oral Impact on Daily Performance Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

The first intervention group will receive constant orthodontic treatment.

Category

Treatment - Other

2

Description

The second intervention group will receive clearer orthodontic treatment.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Faculty of Dentistry

Full name of responsible person

Farhad Mahmoud Nader

Street address

Shariati Street, Faculty of Dentistry

City

Kermanshah

Province

Kermanshah

Postal code

6713954658

Phone

+98 83 3729 6591

Email

dentistfarhad222@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Farid Najafi

Street address

Building No.2, Shahid Beheshti, Vice Chancellor for
Research Affairs, Kermanshah University of Medical
Sciences

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+98 83 3836 0014

Email

fnajafi@kums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kermanshah 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

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Faarhad Mahmoud Nader

Position

Student of dental

Latest degree

A Level or less

Other areas of specialty/work

Dentistry

Street address

Shariati Street, Faculty of Dentistry

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dentistfarhad222@gmail.com

Person responsible for scientific inquiries

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Amin Golshah

Position

Member of Kermanshah University of Medical
Sciences

Latest degree

Specialist

Other areas of specialty/work

Dentistry

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Email

amin.golshah@yahoo.com

Person responsible for updating data

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Farhad Mahmoud Nader

Position

Student of dental

Latest degree

A Level or less

Other areas of specialty/work

Dentistry

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Email

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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

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

Analytic Code

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

The main outcomes of the study will be shared.

When the data will become available and for how long

6 month

To whom data/document is available

If requested, results will be made available to other academic researchers

Under which criteria data/document could be used

Collected data is confidential and will not be shared with anyone else

From where data/document is obtainable

To receive the documentation, email send for update manager

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

In a 25-day period, the documents will be sent e-mail

Comments