Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Comparison of Post Operative Complications with and without Use of Kinesio Tape in Patients Undergoing Surgical Removal Of Impacted Mandibular Third Molars

Protocol summary

Study aim
To compare the efficacy of Kinesio Taping after Mandibular 3rd Molar Extraction in terms of Post Op Swelling And Trismus

Design
A simple randomized controlled clinical trial with a parallel group design of 154 patients, enrolled between October 2023 and January 2024 and followed for one week after the enrollment of last patient.

Settings and conduct
Trail will be performed in Oral and Maxillofacial Surgery Department of AFID. Two groups will be made by simple randomization of patients getting surgical removal of Mandibular third Molars. One group (intervention)will get K taping done post operatively un addition to normal post operative care and second group (control) will have usual post operative care.

Participants/Inclusion and exclusion criteria
Inclusion Criteria Having physical status 1 according to ASA classification Surgical extraction in mandibular third molars. Teeth which score =/>5 on Pederson's difficulty index for removal of impacted third molars EXCLUSION CRITERIA Patients having beard or any other hindrance in application of K- TAPE Patient with odontogenic infection Patient with medications that can alter pain perception. Teeth which score <5 on Pederson's difficulty index for removal of impacted third molars

Intervention groups
Kinesio Taping will be performed in one group after 3rd Molar Extraction and No intervention will be performed in other group after 3rd Molar Extraction

Main outcome variables
Post Operative Swelling Post Operative Trismus

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20230926059527N3**
Registration date: **2023-10-01, 1402/07/09**
Registration timing: **prospective**

Last update: **2023-10-01, 1402/07/09**
Update count: **0**

Registration date
2023-10-01, 1402/07/09

Registrant information

Name
AMMAR Yasir

Name of organization / entity
Armed Forces Institute of Dentistry

Country
Pakistan

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Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2023-10-07, 1402/07/15

Expected recruitment end date
2024-01-07, 1402/10/17

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title

Comparison of Post Operative Complications with and without Use of Kinesio Tape in Patients Undergoing Surgical Removal Of Impacted Mandibular Third Molars

Public title
Effects of Kinesio Taping after Third Mandibular Molar Surgical Extraction
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:
Having physical status 1 according to ASA classification Surgical extraction performed in mandibular third molars. Teeth which score =/>5 on Petersons difficulty index for removal of impacted third molars
Exclusion criteria:
Patients having beard or any other hindrance in application of K- TAPE Pregnant women, nursing mothers, smokers Patient with odontogenic infection Patient with medications that can alter pain perception Non surgical extraction. Extraction performed in upper arch or anterior mandibular region. Teeth with 0.5 mm or more mobility in any direction. Teeth which score <5 on Pedersons difficulty index for removal of impacted third molars
Age
From **18 years** old to **45 years** old
Gender
Both

Phase
3
Groups that have been masked
No information
Sample size
Target sample size: **154**
Randomization (investigator's opinion)
Randomized
Randomization description
Simple randomization was performed by using lottery method(Patients with even number chits were placed in one group and with odd number chits in the second group).Allocation concealment was done using folded chits. Patients in first group got Kinesio Taping in addition to usual post op care after third molar extraction and patients in second group got normal post Op Care after mandibular third molar extraction.
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
Ethical Committee of AFID
Street address
AFID CMH Rawalpindi
City
Rawalpindi
Postal code
46000
Approval date
2022-04-02, 1401/01/13
Ethics committee reference number
918/Trg Dated 13 May 2020

Health conditions studied

1

Description of health condition studied
Impacted Mandibular 3rd Molar
ICD-10 code
K01.1
ICD-10 code description
Impacted teeth

Primary outcomes

1

Description
Post Op Swelling &Trismus
Timepoint
3th and 5th Day after intervention
Method of measurement
Post op swelling will be recorded in millimeters, from specific points already demarcated in the facial region and Trismus will be measured in millimeters

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: Kinesio Taping in addition to usual care will be performed in this group after surgical removal of the mandibular third molar. Tape will be left in place for 5 days and Post Operative swelling and trismus will be observed on 3th and 5th day
Category
Treatment - Devices

2

Description
Control group: Usual Care Group. Only usual care will be performed after surgical extraction of mandibular third

molar. Post Operative swelling and trismus will be observed on 3th and 5th day.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center
AFID

Full name of responsible person
Syed Ammar Yasir

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Sponsors / Funding sources

1

Sponsor

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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
AFID

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
Armed Forces Institute of Dentistry

Full name of responsible person
Ammar Yasir

Position
Specialty Resident

Latest degree
Medical doctor

Other areas of specialty/work
Oral and Maxillofacial Surgery

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
No - There is not a plan to make this available
Justification/reason for indecision/not sharing IPD
There is no Further Information
Study Protocol
No - There is not a plan to make this available
Statistical Analysis Plan
No - There is not a plan to make this available
Informed Consent Form
No - There is not a plan to make this available
Clinical Study Report
No - There is not a plan to make this available
Analytic Code
No - There is not a plan to make this available
Data Dictionary
No - There is not a plan to make this available