

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Aug 2026

Comparison between Conventional Surgical Drainage and Drainage with Catheter under Ultrasonographic Guide in Odontogenic Infections of Submandibular and Pterygomandibular Space Abscesses

Protocol summary

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Summary

Purpose: The aim of this study is to compare the quality, advantages and disadvantages of two treatment methods: drainage with surgery and Ultrasound-guided drainage with catheter. Patients and Method: 30 patients with Submandibular or Pterygomandibular space abscesses randomly are divided in two groups. In group 1, 15 patients will be treated by catheter and Ultrasonography and other 15 patients in group 2, will be treated with surgery. Treatment and drainage successfulness, pain during drainage and irrigation, existence scar after 3 months and duration of hospitalization, will be measured in two groups.

Recruitment status

Recruitment complete

Funding source

Research center, dental school, Tehran university of medical sciences

Expected recruitment start date

2009-03-21, 1388/01/01

Expected recruitment end date

2010-03-20, 1388/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138711301704N1**

Registration date: **2009-03-21, 1388/01/01**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2009-03-21, 1388/01/01

Registrant information

Name

Mohsen Abbasi

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 2237 6198

Email address

Scientific title

Comparison between Conventional Surgical Drainage and Drainage with Catheter under Ultrasonographic Guide in Odontogenic Infections of Submandibular and Pterygomandibular Space Abscesses

Public title

Comparison between two methods for treatment of odontogenic infections

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: submandibular and pterygomandibular space odontogenic abscesses. Exclusion criteria: multiple spaces, uncontrolled or severe systemic diseases.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked
No information

Sample size
Target sample size: 30

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features
This is the first time that two treatment methods are compared

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Tehran university of medical sciences

Street address
Ghods Ave, Keshavarz Blvd

City
Tehran

Postal code

Approval date
2009-01-07, 1387/10/18

Ethics committee reference number
8050-70-04-87

Health conditions studied

1

Description of health condition studied
odontogenic infections

ICD-10 code
K00-K14

ICD-10 code description
Diseases of oral cavity, salivary glands and jaws

Primary outcomes

1

Description
treatment successfulness

Timepoint
48 hours and 1 week post op

Method of measurement
objective and subjective signs and symptoms, lab tests
WBC, ESR/CRP

2

Description
pain during drainage and irrigation

Timepoint
immediately post op

Method of measurement
visual analogue pain scale

Secondary outcomes

1

Description
scar

Timepoint
3 months post op

Method of measurement
inspection

2

Description
duration of hospitalization

Timepoint
duration of hospitalization to discharge

Method of measurement
days from admission to discharge

Intervention groups

1

Description
Group1: abscess drainage with catheter under ultrasonographic guide

Category
Treatment - Surgery

2

Description
Group2: abscess drainage with conventional incision/drainage

Category
Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center
Oral and maxillofacial departement, Shariati hospital

Full name of responsible person
Mohsen Abbasi

Street address

City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research of Tehran University of Medical Sciences

Full name of responsible person

Dr Masood Younesian

Street address

Ghods Ave. Keshavarz Blvd.

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research of Tehran 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

Vice chancellor for research of Tehran University of Medical Sciences

Full name of responsible person

Mrs Aslanpoor

Position

expert in research

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Tehran University of Medical sciences, Dental school

Full name of responsible person

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Position

Associate Professor

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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