Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

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

Protocol summary

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 Ptrygomandibular 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.

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

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Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

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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

Scientific title

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

Public title

Comparison between two methods for treatment of odontogenic infections

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: submandibular and ptrygomandibular 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

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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
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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

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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