

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Jun 2026

Impact of the Educational Intervention on Adherence to Guidelines for Antibiotic Prophylaxis before Surgeries

Protocol summary

Summary

The aim of the study is to evaluate the impact of educational intervention on adherence to guidelines for antibiotic prophylaxis before surgeries in Alejalil hospital in Aq-Qala city. This is a quasi-experimental study and single-blinded. Criteria for assessing the performance of surgeons is medical records of their patients. 125 surgical records during the month before the intervention and 125 other surgical records after the intervention will selected proportionally of surgical performed by each physician. Information including indications, type of antibiotic, dose, time of administration of first dose and route of antibiotic administration based on patient records will collected, then the result of prescribed prophylactic antibiotic will compared with Ministry of Health guidelines for antibiotic prophylaxis in surgery. The participants included Surgeons who had at least 6 months work experience in Alejalil hospital. The intervention consisted of holding the 1 training session for one hour by clinical governance and infection control experts with 7 surgeons, increase awareness and sensitizing surgeons and nurses through sending abstract of Managed care instructions # 8 in table to the surgical wards, invite surgeons through letter to compliance antibiotic prophylaxis standards. Intervention for 2 months (October to December 2014) will be performed. After the intervention, practice of surgeons about prescribing of antibiotic prophylaxis compared with before the intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014080618704N1**

Registration date: **2014-09-09, 1393/06/18**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2014-09-09, 1393/06/18

Registrant information

Name

Narges Rafiei

Name of organization / entity

Golestan University of Medical Sciences, Aq-Qala Health Center

Country

Iran (Islamic Republic of)

Phone

+98 17 3452 5915

Email address

narges.rafiee@goums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Golestan University of Medical Sciences

Expected recruitment start date

2014-09-23, 1393/07/01

Expected recruitment end date

2014-11-22, 1393/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Impact of the Educational Intervention on Adherence to Guidelines for Antibiotic Prophylaxis before Surgeries

Public title

The effect of education on Prescribing antibiotic prophylaxis

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Surgeons who had at least 6 months work experience in Alejalil hospital.

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 250

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee, Golestan University of Medical Sciences

Street address

No 1, Shastkola St, Hirkan Blv, Gorgan

City

Gorgan

Postal code

4934174515

Approval date

2013-03-05, 1391/12/15

Ethics committee reference number

911215190

Health conditions studied

1

Description of health condition studied

Infection

ICD-10 code

A49.9

ICD-10 code description

Bacteraemia NOS

Primary outcomes

1

Description

Performance

Timepoint

Before the experiment, 2 months after the intervention.

Method of measurement

Antibiotic prophylaxis Checklist

Secondary outcomes

empty

Intervention groups

1

Description

The intervention consisted of holding the 1 training session for one hour by clinical governance and infection control experts with 7 surgeons, increase awareness and sensitizing surgeons and nurses through sending abstract of Managed care instructions # 8 in table to the surgical wards, invite surgeons through letter to compliance antibiotic prophylaxis standards.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Alejalil Hospital

Full name of responsible person

Fatemeh Koochaki

Street address

No 17, Bandar Torkman Rd, Aq-Qala

City

Aq-Qala

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Golestan University of Medical Sciences

Full name of responsible person

Masood Khoshnia

Street address

No 1, Shastkola St, Hirkan Blv, Gorgan

City

Gorgan

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, Golestan 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**

Aq-Qala Health Center

Full name of responsible person

Narges Rafiei

Position

Responsible for Research

Other areas of specialty/work**Street address**

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Golestan University of Medical Sciences Aghala Health Center

Full name of responsible person

Narges Rafiei

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Full name of responsible person

Narges Rafiei

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Web page address

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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