Clinical Trial Protocol
Iranian Registry of Clinical Trials

19 Sep 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
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Iran (Islamic Republic of)
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+98 17 3452 5915
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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

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Person responsible for updating data

Contact

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Full name of responsible person

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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