

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Assessing the Effectiveness and Cost-effectiveness of Audit and Feedback on physician's prescribing indicators: a Randomized Controlled Trial with Economic evaluation

Protocol summary

Summary

One of the most important duties of health authorities is to ensure the efficacy and cost-effectiveness of health care system services. Developing countries have limited budgets for health care sector; therefore they need good planning to implement interventions for promoting rational drug use. Audit and feedback is used as an intervention to improve professional practice. The aim of this study is to evaluate the efficacy and cost-effectiveness of audit and feedback on rational drug use indicators. Interventions include feedback on prescribing indicators and educational printed materials. There are three intervention groups and one control group in this randomized trial study. The prescribing indicators including injectable dosage form of dexamethasone, oral dosage forms of cefixim and amoxicillin, which prescribed by general practitioners, pediatricians and infectious diseases specialists, will be evaluated. The change rates of mentioned indicators are criteria for efficacy.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201106086740N1**
Registration date: **2011-08-20, 1390/05/29**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-08-20, 1390/05/29

Registrant information

Name

Fatemeh Soleymani

Name of organization / entity

Food and drug organization, Tehran university of medical sciences

Country

Iran (Islamic Republic of)

Phone

00982188923192/00982166482606

Email address

fsolemani@yahoo.com

Recruitment status

Recruitment complete

Funding source

Tehran university of medical sciences

Expected recruitment start date

2011-07-06, 1390/04/15

Expected recruitment end date

2012-03-20, 1391/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Assessing the Effectiveness and Cost-effectiveness of Audit and Feedback on physician's prescribing indicators: a Randomized Controlled Trial with Economic evaluation

Public title

Assessing the Effectiveness and Cost-effectiveness of Audit and Feedback on physician's prescribing indicators

Purpose

Health service research

Inclusion/Exclusion criteria

Inclusion criteria: General practitioners, Infectious disease specialists and Pediatricians who have at least 100 insured prescriptions. Exclusion criteria: No access

to insured prescriptions of physicians; No access to physicians' office adress.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **800**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Single blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

pharmaceutical science research center of Tehran
University of Medical Sciences

Street address

16 azar street, Enghelab avenue

City

Tehran

Postal code**Approval date**

2011-06-26, 1390/04/05

Ethics committee reference number

90-02-27-07

Health conditions studied**1****Description of health condition studied**

drug use indicators

ICD-10 code

Z74.9

ICD-10 code description

Problem related to care-provider dependency,
unspecified

Primary outcomes**1****Description**

injectable dosage form of dexamethasone, oral dosage
form of amoxicillin and cefixim

Timepoint

0, 1th, and 3th months

Method of measurement

based on prescriptions

Secondary outcomes**1****Description**

mean items per prescriptions

Timepoint

0, 1th and 3th months

Method of measurement

based on prescriptions

Intervention groups**1****Description**

Sending educational package that desined in this study
for study group 3

Category

Other

2**Description**

Sending routine audi and feedbacks for study group 1

Category

Other

3**Description**

No intervention in control group

Category

N/A

4**Description**

Sendind audit and feedbacks which designed by focused
on injection dosage form of dexamethasone, oral dosage
form of amoxicillin and cefixim for study group 2

Category

Other

Recruitment centers**1****Recruitment center****Name of recruitment center**

Tehran

Full name of responsible person

Dr. Fatemeh Soleymani
Street address
City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice chancelor for Research of Tehran University of
Medical Sciences and Health Services
Full name of responsible person
Dr. Akbar Fotouhi
Street address
Ghods street, 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 chancelor for Research of Tehran University of
Medical Sciences and Health Services

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
Faculty of pharmacy
Full name of responsible person
Dr. Fatemeh Soleymani
Position
PhD candidate of pharmacoeconomics and
pharmaceutical management
Other areas of specialty/work
Street address
16 azar street, Enghelab avenue
City
Tehran
Postal code
Phone
+98 21 8892 3192
Fax
+98 21 8889 2992
Email
fsolemani@yahoo.com
Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Tehran University of Medical Sciences and Health
Services
Full name of responsible person
Dr. Arash Rashidian
Position
PhD in health policy
Other areas of specialty/work
Street address
Enghelab avenue
City
Tehran
Postal code
Phone
+98 21 8899 1112
Fax
+98 21 8899 1113
Email
arashidian@tums.ac.ir
Web page address

Person responsible for updating data

Contact

Name of organization / entity
Faculty of pharmacy, Tehran University of Medical
Sciences and Health Services
Full name of responsible person
Dr Fatemeh Soleymani
Position
PhD candidate of pharmacoeconomics and
pharmaceutical management
Other areas of specialty/work
Street address
16 azar street
City
Tehran
Postal code
Phone
+98 21 8892 3192
Fax
+98 21 8889 2992
Email
fsolemani@yahoo.com ; fsolemani@tums.razi.ac.ir
Web page address

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