

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jun 2026

The Design and Evaluation of a Message-Based Feedback System to Change The Behavior of General Practitioners to Reduce Prescription of Dexamethasone to Outpatients

Protocol summary

Summary

In our study, we will try to find a solution to rationalize Dexamethasone prescribing. In this RCT study, Short Messages Sending (SMS) regarding the harms associated with injecting Dexamethasone will be sent to the patients. We also will send one SMS every ten days to the physicians about the percentage of injection form of Dexamethasone in their prescriptions. Methodology: This study will be performed with baseline control group in four phases. In phase one, all previous prescriptions issued in a given period (2016 /20/3 to 2016 /20/ 6) by selected physicians in Daralshafa clinic who had prescribed dexamethasone will be collected. During phase two, SMS associated with the side effects of Dexamethasone will be sent to the patients in the intervention group. Message content will ask patients not to request physicians to prescribe dexamethasone. In phase three, SMSs will be sent to the selected physicians in the intervention group which show the percentage of prescribed dexamethasone in their prescriptions. Finally, statistical analysis of the collected data will be done to determine the effect of the SMS on prescribing Dexamethasone.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017020532395N1**
Registration date: **2017-11-20, 1396/08/29**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-11-20, 1396/08/29

Registrant information

Name

Marjan Rasoulia Kasrineh

Name of organization / entity

Mashhad University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 3800 2429

Email address

rasoulia km941@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for Research, Mashhad University of Medical Sciences

Expected recruitment start date

2016-11-05, 1395/08/15

Expected recruitment end date

2017-04-04, 1396/01/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Design and Evaluation of a Message-Based Feedback System to Change The Behavior of General Practitioners to Reduce Prescription of Dexamethasone to Outpatients

Public title

The Design and Evaluation of a Message-Based Feedback System to Change The Behavior of General Practitioners to Reduce Prescription of Dexamethasone to Outpatients

Purpose

Basic science

Inclusion/Exclusion criteria

Inclusion: All physicians working in the clinic Daroshafa and All patients referred to the clinic Daroshafa
Exclusion: None.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 19

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Table of random numbers

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

University of Medical Sciences of Mashhad

Street address

University Street

City

Mashhad

Postal code

Approval date

2016-07-20, 1395/04/30

Ethics committee reference number

IR.mums.fm.REC.1395.195

Health conditions studied

1

Description of health condition studied

Index prescription

ICD-10 code

z74.9

ICD-10 code description

Problem related to care-provider dependency, unspecified

Primary outcomes

1

Description

Percent of dexamethasone prescription

Timepoint

Before and after the intervention

Method of measurement

The number of prescription that have dexamethasone divide by entire prescription

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Physicians who prescribed dexamethasone were divided into two groups according to the median Prescribing percentage, each of which was divided into two groups Intervention and control are divided into. Three months to the patients of the intervention group and three months later, the physicians of the intervention group and their patients received SMS with the subject of non-application and inappropriate dexamethasone Prescribing

Category

Behavior

2

Description

Control group: this group won't receive any feedback.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Clinic Daroshafa

Full name of responsible person

Dr Akhvan

Street address

Mashhad, Astan Quds Razavi Therapy Institute, Clinic daroshafa

City

Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for Research of Mashhad university of

medical sciences

Full name of responsible person

Mohsen Tafaghodi

Street address

Daneshgah St, Central Building of Mashhad
University of Medical Sciences

City

Mashhad

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for Reserch of Mashhad 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

Mashhad University Of Medical Sciences

Full name of responsible person

Marjan Rasoulian Kasrineh

Position

Msc Student

Other areas of specialty/work

Street address

Department Of Medical Informatics, Faculty Of
Medicine

City

Mashhad

Postal code

Phone

+98 51 3500 2429

Fax

Email

Rasouliankm941@mums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Mashhad University Of Medical Sciences

Full name of responsible person

Mohammad Reza Hasibian

Position

Msc Of Artificial Intelligence

Other areas of specialty/work

Street address

Department Of Medical Informatics, Faculty Of
Medicine

City

Mashhad

Postal code

Phone

+98 51 3800 2429

Fax

Email

HasibianMR@mums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Mashhad University Of Medical Sciences

Full name of responsible person

Marjan Rasoulian Kasrineh

Position

Msc Student

Other areas of specialty/work

Street address

City

Mashhad

Postal code

Phone

+51 55 225150

Fax

Email

Rasouliankm941@mums.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