

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jun 2026

Zinc sulfate effect on children with respiratory infection

Protocol summary

Medical Sciences and Health Services

Summary

This randomized clinical trial study was carried out in Hajar hospital of Shahrekord Medical Sciences University. The method of sampling was simple. In this study 124 kids with respiratory infection were enrolled and divided in two groups accidentally. The first group in addition to usual treatment, received zinc sulfate syrup, and placebo was given to the control group. Finally the result of these two groups were compared.

Expected recruitment start date

2009-03-20, 1387/12/30

Expected recruitment end date

2010-03-20, 1388/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Scientific title

Zinc sulfate effect on children with respiratory infection

Acronym

IRCT registration information

IRCT registration number: **IRCT201103025951N1**

Registration date: **2011-06-17, 1390/03/27**

Registration timing: **retrospective**

Public title

Zinc effect on respiratory infections

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: children with respiratory infection admitted to the pediatric ward of Hajar hospital.

Exclusion criteria: presence of Cystic Fibrosis; immunodeficiency; malignancy; immunosuppressive drug consumption; sickle cell disease; protein malnutrition and if consent was refused.

Last update:

Update count: **0**

Registration date

2011-06-17, 1390/03/27

Age

From **1 year** old to **108 years** old

Gender

Both

Registrant information

Name

Roya Habibian

Name of organization / entity

Shahrekord University of Medical Sciences and Health Services

Country

Iran (Islamic Republic of)

Phone

+98 38 1222 0016

Email address

r_habibian@skums.ac.ir

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **124**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research of Shahrekord University of

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics comette of Shahrekord University of Medical Science and Health Services

Street address

Ayatolah kashni Str, Shahrekord University of Medical Science and Health Services

City

Shahrekord

Postal code

8816733418

Approval date

2010-05-25, 1389/03/04

Ethics committee reference number

2-3-89

Health conditions studied

1

Description of health condition studied

pneumonia

ICD-10 code

J09-J18

ICD-10 code description

Influenza and pneumonia

2

Description of health condition studied

acute bronchitis

ICD-10 code

J20-J22

ICD-10 code description

Other acute lower respiratory infections

3

Description of health condition studied

bronchiolitis

ICD-10 code

J20-J22

ICD-10 code description

Other acute lower respiratory infections

4

Description of health condition studied

common cold

ICD-10 code

J00-J06

ICD-10 code description

Acute upper respiratory infections

Primary outcomes

1

Description

hospitalization time

Timepoint

daily

Method of measurement

daily visit

2

Description

fever

Timepoint

every 6 hours

Method of measurement

by termometer

3

Description

cough

Timepoint

daily

Method of measurement

question from parents

Secondary outcomes

1

Description

drug side effects

Timepoint

daily

Method of measurement

daily visit and question

Intervention groups

1

Description

In two group, routine and standard treatment was prescribed . Intervention group received 10cc zinc sulfate syrup bid for 5 days.

Category

Treatment - Drugs

2

Description

In two group, routine and standard treatment was prescribed. Control group received placebo.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Hajar hospital

Full name of responsible person

Roya Habibian

Street address

Shahrekord Parastar str Hajar hospital

City

Shahrekord

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahrekord University of Medical Science and Health Services

Full name of responsible person

Dr. Mahmood Mobasheri

Street address

Ayatolah Kashani Str, Vice chancellor for research, Shahrekord university of Medical Science and Health Services

City

Shahrekord

Grant name

2-125200

Grant code / Reference number

10506

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

Yes

Title of funding source

Shahrekord University of Medical Science 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

Shahrekord University of Medical Science and Health Services

Full name of responsible person

Roya Habibian

Position

Associated proffessor of Infectious Disease Department

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

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Full name of responsible person

Roya Habibian

Position

Infectious disease specialist

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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