

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jul 2026

The effect of honey on duration of pediatric pneumonia

Protocol summary

Summary

This study is a clinical trial on 100 children aged 1-5 years admitted in Pediatrics Wards of Kashan Beheshti Hospital with complaints of fever, cough and tachypnea in 2016. Pneumonia is confirmed by chest radiography. Patients with the history of pulmonary disease including asthma, documented heart disease or other chronic disease, immunodeficiency, proven pathologic gastroesophageal reflux disorder and malnutrition or growth failure are excluded from the study. Patients randomly assign into two groups. Intervention group receive honey prepared by Mahram Company and the control group will receive placebo 0.5 milliliter per kilogram of body weight every 8 hours for 7 days. Treatment protocols for pneumonia shall be conducted in two groups. Duration of fever, cough, tachypnea and hospitalization will be recorded by the question of mothers and study of dossier.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015031111145N15**

Registration date: **2016-12-30, 1395/10/10**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-12-30, 1395/10/10

Registrant information

Name

Mohammad Reza Sharif

Name of organization / entity

Kashan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 31 5554 0026

Email address

sharif_m@kaums.ac.ir

Recruitment status

Recruitment complete

Funding source

Kashan University of Medical Sciences

Expected recruitment start date

2016-12-21, 1395/10/01

Expected recruitment end date

2017-12-22, 1396/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of honey on duration of pediatric pneumonia

Public title

The effect of honey on the improvement of pediatric pneumonia

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: children 1 to 5 years old hospitalized in Kashan Beheshti Hospital; fever (axillary temperature 37.5° C or more); cough; tachypnea Exclusion criteria: the history of pulmonary disease including asthma; documented heart disease or other chronic disease; immunodeficiency; proven pathologic gastroesophageal reflux disorder; malnutrition or growth failure

Age

From **1 year** old to **5 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Kashan University of Medical Sciences

Street address

Kashan University of Medical Sciences, Ghotbe
Ravandi Blvd, Kashan, Iran

City

Kashan

Postal code

Approval date

2016-12-07, 1395/09/17

Ethics committee reference number

IR.KAUMS.REC.1395.106

Health conditions studied

1

Description of health condition studied

Pneumonia

ICD-10 code

J18.9

ICD-10 code description

Pneumonia, unspecified

Primary outcomes

1

Description

Fever

Timepoint

Every 6 hours

Method of measurement

Mercury thermometer with axillary method

2

Description

Cough

Timepoint

Daily

Method of measurement

Asking from mother

3

Description

Tachypnea

Timepoint

Daily

Method of measurement

Breathing rate

Secondary outcomes

1

Description

Duration of hospital stay

Timepoint

At discharge

Method of measurement

Counting the days of hospitalization

Intervention groups

1

Description

Intervention group: Oral administration of honey 0.5 ml /
kg every 8 hours for 7 days

Category

Treatment - Drugs

2

Description

Control group: Oral administration of placebo 0.5 ml / kg
every 8 hours for 7 days

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Beheshti Hospital

Full name of responsible person

Dr. Mohammad Reza Sharif

Street address

Shahid Beheshti Hospital, Ghotbe Ravandi Blvd,
Kashan, Iran

City

Kashan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kashan University of Medical Sciences

Full name of responsible person

Dr. Gholam Ali Hamidi

Street address

Kashan University of Medical Sciences, Ghotbe
Ravandi Blvd, Kashan, Iran

City

Kashan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kashan 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

Kashan University of Medical Sciences

Full name of responsible person

Dr. Mohammad Reza Sharif

Position

Associate Professor, Pediatric Infectious Diseases
Subspecialist

Other areas of specialty/work

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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