

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Jul 2026

Evaluation of the effect of early exposure to lung radiography in pulmonary rotation medical students on the rate of lung disease learning

Protocol summary

Study aim

Investigating the effect of early exposure to lung radiography in pulmonary medical interns on the learning rate of lung diseases

Design

A non-randomized clinical trial with control and intervention groups, with parallel groups, without blinding; on 60 students

Settings and conduct

A one-day radiographic workshop in the radiology Department of Akbar Mashhad Hospital, for interns who entered the pediatric lung rotation.

Participants/Inclusion and exclusion criteria

They are intern students of the general medicine who are entering the children's respiratory diseases course.

Intervention groups

There are students who pass a one-day workshop on lung radiology before entering the lung course. And then they enter the common educational routine : And the control group are students who pass their course according to the common routine

Main outcome variables

The change in pre-test and post-test scores is the main outcome of the present study.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20230503058063N1**

Registration date: **2023-11-20, 1402/08/29**

Registration timing: **prospective**

Last update: **2023-11-20, 1402/08/29**

Update count: **0**

Registration date

2023-11-20, 1402/08/29

Registrant information

Name

Elahe Khallaghi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 937 740 2906

Email address

elahekhallaghi@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-12-22, 1402/10/01

Expected recruitment end date

2024-05-20, 1403/02/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of early exposure to lung radiography in pulmonary rotation medical students on the rate of lung disease learning

Public title

Evaluation of the effect of early exposure to lung radiography in pulmonary rotation medical students on the rate of lung disease learning

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Intern students of the general medicine course who are entering the course of pediatric diseases.

Exclusion criteria:

Participation in other lung radiography interpretation workshops
Dissatisfaction in the detective agency

Age

From **18 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of mashhad University of Medical Sciences

Street address

Mashhad University of Medical Sciences, Azadi Square
, Mashhad

City

mashhad

Province

Razavi Khorasan

Postal code

9177948564

Approval date

2023-03-10, 1401/12/19

Ethics committee reference number

IR.MUMS.MEDICAL.REC.1401.661

Health conditions studied

1

Description of health condition studied

The subject of study is not a disease.

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

The change in pre-test and post-test scores is the main result of the present study

Timepoint

1 week

Method of measurement

pre-test and post-test exam

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: The intervention group is students who pass a one-day workshop on lung radiology before entering the lung rotation.

Category

Other

2

Description

Control group: The control group is the general medical students who do not attend the research workshop before entering the lung rotation. And according to the common medicine routine, which is a preliminary acquaintance with the section and word by section, they enter their lung routine.group:

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Akbar Children's Specialized and Superspecialized Hospital

Full name of responsible person

Sayed Javad Sayedi

Street address

Akbar Children's Specialized and Subspecialized Hospital, Fakouri Avenu, Namaz Blvd., mashad, Iranaz

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+98 51 3859 1511

Email

sayedij@mums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

Mohsen Tafaghodi

Street address

Mohsen Tafaghodi, Daneshgah Blvd, Mashhad
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Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Mashhad University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries

Contact**Name of organization / entity**

Mashhad University of Medical Sciences

Full name of responsible person

Sayed Javad Sayedi

Position

Associate professor

Latest degree

Subspecialist

Other areas of specialty/work

Pediatrics

Street address

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Full name of responsible person

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Position

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Person responsible for updating data

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Email

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Not applicable

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Not applicable

Analytic Code

Not applicable

Data Dictionary

Not applicable