

Clinical Trial Protocol

Iranian Registry of Clinical Trials

15 Jul 2026

Evaluation of diagnostic accuracy of serum and plural lipid profile in patients with exudative pleural effusion.

Protocol summary

Summary

The purpose of this study is evaluation of diagnostic accuracy of serum and plural lipid profile in patients with exudative pleural effusion. 40 patients admitted to Masih Daneshvari hospital with a diagnosis of exudative pleural effusion, not just non-randomized, blinded, placebo without control and without the intervention group entered the trial phase. In these patients, the presence of pleural effusion on radiography or ultrasound is proven and provides the ability to do thoracentesis. Patients have not renal failure or coagulopathy. In patients with exudative pleural effusion according to light criteria Lipid profile of serum and pleural fluid (cholesterol, LDL, HDL and triglyceride) is measured. The sensitivity, specificity and diagnostic accuracy of each of the variables on the brink of, in the diagnosis of exudative pleural effusion will be determined.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015083112642N18**

Registration date: **2015-11-08, 1394/08/17**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-11-08, 1394/08/17

Registrant information

Name

Majid Golestani Eraghi

Name of organization / entity

Shahid Beheshti University Of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 3336 0547

Email address

dr.golestani@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research and Technology Shahid Beheshti University of Medical Sciences

Expected recruitment start date

2015-09-23, 1394/07/01

Expected recruitment end date

2015-12-22, 1394/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of diagnostic accuracy of serum and plural lipid profile in patients with exudative pleural effusion.

Public title

Lipid profile accuracy in the diagnosis of exudative pleural effusion

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria: Exist pleural effusion on radiography or ultrasound; Exudative pleural effusion diagnosis; Ability to do thoracentesis. Exclusion criteria: Renal failure; coagulopathy; Skeletal deformities that impair thoracentesis; Lack of consent

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 40

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Vice Chancellor for Research and Technology Ethics
Committee Shahid Beheshti University of Medical S

Street address

Daneshjoo Ave, Velenjak

City

Tehran

Postal code

Approval date

2015-08-30, 1394/06/08

Ethics committee reference number

IR.SBMU.SM.REC.1394.27

Health conditions studied

1

Description of health condition studied

Pleural effusion

ICD-10 code

J91

ICD-10 code description

Pleural effusion in conditions classified elsewhere

Primary outcomes

1

Description

Pleural fluid lipid profile

Timepoint

After thoracentesis

Method of measurement

According gram per deciliter and using laboratory kits

2

Description

Serum lipid profile

Timepoint

After thoracentesis

Method of measurement

According igram per deciliter and using laboratory kits

Secondary outcomes

1

Description

Pleural fluid protein

Timepoint

After thoracentesis

Method of measurement

According gram per deciliter and using laboratory kits

2

Description

Serum protein

Timepoint

After thoracentesis

Method of measurement

According milligram per deciliter and using laboratory
kits

Intervention groups

1

Description

Lipid profile in patients with exudative pleural effusion
samples of pleural fluid and serum samples will be
analyzed

Category

Diagnosis

Recruitment centers

1

Recruitment center

Name of recruitment center

Masih Daneshvari Hospital

Full name of responsible person

Majid Golestani Eraghi

Street address

Darabad Ave

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research and Technological

Shahid Beheshti University of Medical Sciences
Full name of responsible person
 Afshin Zarghi
Street address
 Daneshjoo Ave, Velenjak
City
 Tehran
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
 Yes
Title of funding source
 Vice Chancellor for Research and Technological Shahid Beheshti 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

Person responsible for scientific inquiries

Contact

Name of organization / entity
 Department of Anesthesiology Shahid Beheshti University of Medical Sciences
Full name of responsible person
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Person responsible for updating data

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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