Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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 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

Majid Golestani Eraghi

Position

Fellowship subspecialty critical care

Other areas of specialty/work

Street address

Darabad Ave

City

Tehran

Postal code

Phone

+98 21 2712 2525

Fax

Email

dr.golestani@sbmu.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Department of Anesthesiology Shahid Beheshti University of Medical Sciences

Full name of responsible person

Majid Golestani Eraghi

Position

Fellowship subspecialty critical care

Other areas of specialty/work

Street address

Darabad Ave

City

Tehran

Postal code

Phone

+98 21 2712 2525

Fax

Email

dr.golestani@sbmu.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