

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Effect of povidoneiodine pleurodesis in malignant pleural effusion

Protocol summary

Summary

In this research we evaluating effect of povidoneiodine in pleurodesis of massive pleural effusion. This single-center study was designed without blind and placebo. All patients with a history of malignant pleural effusion and dyspnea will be entered in study. If the patient does not wish to participate in the study or known case of renal dysfunction and thyroid disease will be excluded. Chest tube will be inserted and drainage of pleural effusion of the patients and after that, pleurodesis with povidone iodine will be considered. The success rate at specified intervals checked by chest radiograph. Kidney and thyroid function tests before and after pleurodesis study and laboratory changes will be recorded.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015071423202N1**
Registration date: **2015-08-11, 1394/05/20**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-08-11, 1394/05/20

Registrant information

Name

Manouchehr Aghajanzadeh

Name of organization / entity

Respiratory Research Center of Razi Hospital

Country

Iran (Islamic Republic of)

Phone

+98 13 3354 2460

Email address

m.aghajanzadeh@gums.ac.ir

Recruitment status

Recruitment complete

Funding source

guilan university of medical science

Expected recruitment start date

2015-07-23, 1394/05/01

Expected recruitment end date

2016-07-22, 1395/05/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of povidoneiodine pleurodesis in malignant pleural effusion

Public title

povidoneiodine pleurodesis

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: patients with malignant and massive pleural effusion exclusion criteria: underline thyroid disease; underline renal disease; Lack of consent to participate in research

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **1**

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

Guilan University of Medical Science

Street address

Research and Technology of University Building,
Shahid Beheshti Blv-

City

Rasht

Postal code

Approval date

2015-06-09, 1394/03/19

Ethics committee reference number

IR.GUMS.REC.1394.41

Health conditions studied

1

Description of health condition studied

pleural effusion

ICD-10 code

C78.2

ICD-10 code description

Secondary malignant neoplasm of pleura

Primary outcomes

1

Description

successful pleurodesis

Timepoint

2 weeks- 4 weeks- 6 months after intervention

Method of measurement

chest X ray

Secondary outcomes

1

Description

BUN

Timepoint

before intervention-first day after and 4 weeks later

Method of measurement

laboratory test

2

Description

serum creatinin

Timepoint

before intervention-first day after and 4 weeks later

Method of measurement

laboratory test

3

Description

TSH

Timepoint

before intervention-first day after and 4 weeks later

Method of measurement

laboratory test

4

Description

T3

Timepoint

before intervention-first day after and 4 weeks later

Method of measurement

laboratory test

5

Description

T4

Timepoint

before intervention-first day after and 4 weeks later

Method of measurement

laboratory test

Intervention groups

1

Description

thoracostomy tube will be inserted and after depletion of pleural effusion, pleurodesis will be done with 20cc of 20% povidoneiodine and 60 cc normal saline.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Razi Hospital

Full name of responsible person

Dr Hadi Kahrom

Street address

Razi Hospital, Sardar Jangal St

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Rasht

+98 13 3354 2460

Fax

Email

hadikahrom@yahoo.com

Web page address

2

Recruitment center

Name of recruitment center

Arya Hospital

Full name of responsible person

Dr Manouchehr Aghajanzadeh

Street address

Beside the Sardar Jangal Airport, Anzali Blv

City

Rasht

Person responsible for scientific inquiries

Contact

Name of organization / entity

Guilan University of medical Science

Full name of responsible person

Manouchehr Aghajanzadeh

Position

full professor-thorax surgeon

Other areas of specialty/work

Street address

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maghajanzadeh2003@yahoo.com

Web page address

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Respiratory Center-University of Guilan

Full name of responsible person

Sara Massahnia

Street address

Razi Hospital, Sardar Jangal Avenue

City

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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

Respiratory Center-University of Guilan

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 updating data

Contact

Name of organization / entity

Guilan University of Medical Science

Full name of responsible person

Hadi Kahrom

Position

resident of surgery

Other areas of specialty/work

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Person responsible for general inquiries

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Name of organization / entity

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Position

resident of surgery

Other areas of specialty/work

Street address

Razi Hospital-Sardar Jangal Avenue

City

Rasht

Postal code

Phone

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