Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 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
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Iran (Islamic Republic of)
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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
City

Rasht

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
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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
Rasht
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 general inquiries

Contact
Name of organization / entity
Guilan University od Medical Science
Full name of responsible person
Hadi Kahrom
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resident of sergury
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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