

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

29 May 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

##### City

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**

Razi Hospital-Sardare Jangal Avenue

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**Email**

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**

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 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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**Full name of responsible person**

Hadi Kahrom

**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*