

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Jul 2026

Comparison of acute and late reactions and patient's discomfort caused the injection of the iohxoll(omnipaque) and iodixanol(visipaque) in patients referred in the Golestan and Aria hodpital's CTscan center in ahvaz in 2018

Protocol summary

Study aim

Which medication is easier for patients to take and has fewer side effects

Design

The study groups consisted of those who were using the first group of iohexol and the second group using iodoscopol. The sample size was 120 in each group.

Settings and conduct

The study was conducted in two hospitals of Golestan and Ariya in Ahvaz city and at the CT scan center. The method was done in such a way that patients with CT scan were injected with questions about post-injection complications.

Participants/Inclusion and exclusion criteria

Participants must be sober and awake .And to be able to respond to questions.Children less than seven years and People anesthetized Are excluded

Intervention groups

In the iohxoll group, the drug was injected according to the type of disease and weight of the patient.in the iodixanol group, the drug was injected according to the type of disease and weight of the patient

Main outcome variables

Feeling the heat.Feeling the pain.feeling the Nausea

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20161206031269N3**

Registration date: **2019-01-06, 1397/10/16**

Registration timing: **retrospective**

Last update: **2019-01-06, 1397/10/16**

Update count: **0**

Registration date

2019-01-06, 1397/10/16

Registrant information

Name

Azin Khalafiniya

Name of organization / entity

Jundishapur University of Ahvaz

Country

Iran (Islamic Republic of)

Phone

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Email address

khalafiniya.a@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-07-11, 1397/04/20

Expected recruitment end date

2018-10-12, 1397/07/20

Actual recruitment start date

2018-07-11, 1397/04/20

Actual recruitment end date

2018-10-12, 1397/07/20

Trial completion date

2018-10-12, 1397/07/20

Scientific title

Comparison of acute and late reactions and patient's discomfort caused the injection of the iohxoll(omnipaque) and iodixanol(visipaque) in patients referred in the Golestan and Aria hodpital's CTscan center in ahvaz in 2018

Public title

Comparison of acute and late reactions and patient's discomfort caused the injection of the iohxoll(omnipaque) and iodixanol(visipaque)

Purpose
Diagnostic

Inclusion/Exclusion criteria
Inclusion criteria:
 The patient should be alert and awake Able to talk
Exclusion criteria:
 The patient has a CT scan without injections

Age
From **7 years** old to **85 years** old

Gender
Both

Phase
2

Groups that have been masked

- Participant

Sample size
 Target sample size: **240**
 Actual sample size reached: **240**

Randomization (investigator's opinion)
Not randomized

Randomization description

Blinding (investigator's opinion)
Single blinded

Blinding description
To reduce the possibility of information bias Which group of patients that belong .Uninformed Were kept

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids
empty

Ethics committees

1

Ethics committee
Name of ethics committee
 Ethics committed of Ahvaz Jundishapour of Medical Sciences
Street address
 Gileston st. , Jundishapour University of Medical Sciences, vice chancellor for Research and Technology
City
 AHVAZ
Province
 Khuzestan
Postal code
 15794-61357
Approval date
 2018-03-11, 1396/12/20
Ethics committee reference number

IRAJUMS.REC.1396.816

Health conditions studied

1

Description of health condition studied

Comparison of side effects of contrast agents and their severity in CT scan

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Do patients with drug injections after experiencing the warmth and nausea are hives

Timepoint

A few minutes after injection of the medication and conducting CT scans

Method of measurement

Questionnaire based on their side effects and severity

Secondary outcomes

empty

Intervention groups

1

Description

The first intervention:The drug iohxoll 300 mg Was used That dose of On the basis of The patient's weight and the type of CT scan Specify and iv injection

Category

Treatment - Drugs

2

Description

TheThe second intervention:The drug iodixanol 320 mg Was used That dose of On the basis of The patient's weight and the type of CT scan Specify and iv injection

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Golestan Hospital

Full name of responsible person

Dr. Mojgan Samezadeh

Street address

Esfand Street

City

AHVAZ

Province
Khouzestan
Postal code
6193673111
Phone
+98 61 3374 3004
Email
sаметzadeh.md@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Ahvaz University of Medical Sciences
Full name of responsible person
Hatam Boustani
Street address
golestan Ave.
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39345-61355
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info@ajums.ac.ir

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Ahvaz University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Private

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Ahvaz University of Medical Sciences
Full name of responsible person
Dr. Mojgan Samezadeh
Position
Assistant Professor
Latest degree
Specialist
Other areas of specialty/work
Radiology

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Golestan Golestan Hospital, Ahvaz, Iran
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Person responsible for scientific inquiries

Contact

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Other areas of specialty/work
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Person responsible for updating data

Contact

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Latest degree
Specialist
Other areas of specialty/work
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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to

make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Not applicable

Title and more details about the data/document

Only side effects can be shared

When the data will become available and for how long

2019

To whom data/document is available

Doctors and experts in Radiology

Under which criteria data/document could be used

For more research

From where data/document is obtainable

What processes are involved for a request to access data/document

Comments