

Clinical Trial Protocol

Iranian Registry of Clinical Trials

12 Jun 2026

Comparison of clonidine and captopril effects in reducing blood pressure in hypertensive urgency situation in 2016

Protocol summary

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Summary

In this study all patients with urgency hypertension who admitted in urgency department of Shariati hospital in Isfahan were recruited .after interview by researcher ,if patients have consent to take part in study he or she will comes in study .After randomization by convenient way they will registered in one of these 2 groups ,First group (44 person) were managed by captopril bilingually and second group (44 person) were treated by clonidine and responses to treatment and any complications would be registered.all basic data similar to age,sex,other underling disease and other medications are registered by researcher as well.and finally all data would be analyzed by statistical sofetwere

Recruitment status

Recruitment complete

Funding source

Islamic Azad university, Najafabad branch

Expected recruitment start date

2016-04-12, 1395/01/24

Expected recruitment end date

2016-09-14, 1395/06/24

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015122713828N7**

Registration date: **2016-05-27, 1395/03/07**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-05-27, 1395/03/07

Registrant information

Name

Ahmad Mirdamadi

Name of organization / entity

Islamic Azad university ,Najafabad branch

Country

Iran (Islamic Republic of)

Phone

+98 31 1223 8028

Email address

Scientific title

Comparison of clonidine and captopril effects in reducing blood pressure in hypertensive urgency situation in 2016

Public title

Effect of clonidine in reducing blood pressure in hypertensive urgency situation

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: emergency hypertension; patients' agreement to participate. Exclusion criteria: end organ damage; patients' non compliance; allergy to Clonidine or Captopril.

Age

From **40 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **88**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Isfahan University of Medical Sciences

Street address

School of Medicine ,Isfahan University, Azad Square,
Isfahan Isfahan Isfahan Iran, Islamic Republic Of
8174673441

City

Isfahan

Postal code

8174673441

Approval date

2016-04-12, 1395/01/24

Ethics committee reference number

495002

Health conditions studied

1

Description of health condition studied

Hypertension

ICD-10 code

I10-15

ICD-10 code description

Hypertensive diseases

Primary outcomes

1

Description

High Blood Pressure

Timepoint

15 minutes after treatment

Method of measurement

Sphygmomanometer

2

Description

Blood pressure

Timepoint

15 min after treatment

Method of measurement

Sphygmomanometer

Secondary outcomes

1

Description

Dry mouth

Timepoint

15 min after intervention

Method of measurement

Examination

2

Description

Headache

Timepoint

15 min after intervention

Method of measurement

Examination

3

Description

Dizziness

Timepoint

15 min after intervention

Method of measurement

Examination

4

Description

Palpitation

Timepoint

15 min after intervention

Method of measurement

Examination

5

Description

Cough

Timepoint

15 min after intervention

Method of measurement

Examination

6

Description

Angioedema

Timepoint

15 min after intervention

Method of measurement

Examination

Intervention groups

1

Description

Intervention 1: Clonidine 0.1 mg/ orally / stat

Category

Treatment - Drugs

2

Description

Intervention 2: Captopril 25 mg/ sub lingual/ stat

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Shariati hospital

Full name of responsible person

Dr. Mirdamadi

Street address

Shariati hospital, Shariati street

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Islamic Azad University, Najafabad branch, Isfahan

Full name of responsible person

Dr. Mirdamadi

Street address

Najafabad isfahan

City

Najafabad

Grant name

ندارد

Grant code / Reference number

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

Yes

Title of funding source

Islamic Azad University, Najafabad branch, Isfahan

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

Medical School, Islamic Azad University, Najafabad Branch

Full name of responsible person

Dr. Ahmad Mirdamadi

Position

Cardiologist, Fellowship of Echocardiography, Assistant Professor of Medical School

Other areas of specialty/work

Street address

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Full name of responsible person

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Person responsible for updating data

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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*