Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Effectiveness of verapamil compare with verapamil and vacuum in the treatment of Peyronie's disease

Protocol summary

Study aim
compare of effectiveness of verapamil alone and with vacuum in treatment of peyronie 's disease
Design
Two crossover group non randomized trial with non blind clinical trial
Settings and conduct
Patient with peyronie's disease splitted to 2 group one group treated with verapamil and second group treated with verapamil and vacuum in golestan hospital of medical university of Ahvaz without blindness.
Participants/Inclusion and exclusion criteria
patient must have curvature lesser than 90 c to dorsal or lateral. plaque have stable or patient have plaque for at least more than 6 months. patient was removed from this trial if have recent diagnosed for this disease ; patient have calcified plaque for all part of penis ; patient have ventral curvature ; patient have erection dysfunction that did not respond to oral agent or ICI.
Intervention groups
Patient have peyronie's disease and condition to income study , divided to 2 group. group 1 receive verapamil weekly and second group receive verapamil and vacuum weekly.
Main outcome variables
Penile curvature was determined , compared by software before and after treatment. Pain was defined with scale 0-10. Plaque size was define with sonography before and after study. Erectile dysfunction was determined by Questionnaire that taken from patient.

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20200316046786N1**
Registration date: **2020-06-21, 1399/04/01**
Registration timing: **retrospective**
Last update: **2020-06-21, 1399/04/01**
Update count: **0**
Registration date
2020-06-21, 1399/04/01

Registrant information
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Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2020-02-17, 1398/11/28
Expected recruitment end date
2020-04-20, 1399/02/01
Actual recruitment start date
2020-02-17, 1398/11/28
Actual recruitment end date
2020-04-20, 1399/02/01
Trial completion date
2020-04-20, 1399/02/01

Scientific title
Effectiveness of verapamil compare with verapamil and vacuum in the treatment of Peyronie's disease

Public title
Effective of verapamil combination with vacuum for treatment of peyronie's disease
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:

All patient have peyronie's disease at least 6 months All patient have 90 c curvature in penis.

Exclusion criteria:

Patient have plaque in all part of penis patient have ventral curvature. patient have erection dysfunction with peyronie disease that have not respond to oral agent or ICI.

Age

No age limit

Gender

Male

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **30**

Actual sample size reached: **30**

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Ahvaz University of Medical Sciences

Street address

Golestan Ave., Saheli Blvd.,

City

Ahvaz

Province

Khouzestan

Postal code

6135715771

Approval date

2020-02-17, 1398/11/28

Ethics committee reference number

IR.AJUMS.REC.1398.883

Health conditions studied

1

Description of health condition studied

Peyronie disease

ICD-10 code

N48.9

ICD-10 code description

Disorder of penis, unspecified

Primary outcomes

1

Description

diffrence in curvature of penis picture before and after trial

Timepoint

before trial and 6 week after trial

Method of measurement

patient take photo from his penis curvature.

Secondary outcomes

empty

Intervention groups

1

Description

Control group: patient have peyronie's disease and have routine treatment of verapamil 10mg each week for 6 weeks.

Category

Treatment - Drugs

2

Description

Intervention group: patient have peyronire's disease that receive combination therapy by verapamil 10mg each week for 6 weeks and use vacuum for 3 time of week for 10 min each 6 week.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Golestan hospital

Full name of responsible person

Seyed mokhtar hossini

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Golestan Ave., Saheli Blvd.,

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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Ahvaz University of Medical Sciences
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mohamad badavi
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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
Ahvaz University of Medical Sciences
Proportion provided by this source
100
Public or private sector
Public
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
Seyed mokhtar hossini
Position
Associate professor
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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be 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
Undecided - It is not yet known if there will be 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
Undecided - It is not yet known if there will be a plan to make this available