

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Investigating the effect of Wet cupping on Coronary risk factors and anti-hate shock protein of the patients suffering from metabolic syndrome

Protocol summary

Summary

The aim of this study was e investigation the effects of cupping on patients with metabolic syndrome in order to control risk factors and anti-heat shock protein 27. In order to, one hundred and thirty-six patients aged 18-65 years with metabolic syndrome were recruited to participate in this trial. Inclusion criteria: patients with metabolic syndrome and aged 18 to 65 years old (male and female). Exclusion criteria: patients with systemic disorder, stroke, heart attack, type 1 diabete, secondory dyslipidemia, hemophili and pregnancy. Ten patients were excluded due to exclusion criteria. Patients were randomly assigned into control and experimental groups. Patients in the experimental group were treated with wet cupping combined with dietary advice. Controls were given dietary advice alone. Anthropometric and biochemical parameters were assessed at the baseline, 6 and 12 weeks after treatment. The significance of the data was analyzed using a repeated measure ANOVA.

General information

Acronym

Wet cupping

IRCT registration information

IRCT registration number: **IRCT201304098956N4**

Registration date: **2013-04-28, 1392/02/08**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-04-28, 1392/02/08

Registrant information

Name

Shabnam Mohammadi

Name of organization / entity

Mashhad University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Mashhad University of Medical Science

Expected recruitment start date

2010-09-03, 1389/06/12

Expected recruitment end date

2011-11-03, 1390/08/12

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating the effect of Wet cupping on Coronary risk factors and anti-hate shock protein of the patients suffering from metabolic syndrome

Public title

Effect of wet cupping on patients with metabolic syndrome

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients with metabolic syndrome and aged 18 to 65 years old (male and female). Exclusion criteria: patients with systemic disorder, stroke, heart attack, type 1 diabete, secondory dyslipidemia, hemophili and pregnancy.

Age

From **18 years** old to **65 years** old

Gender

Both

Phase

0

Groups that have been masked

No information

Sample sizeTarget sample size: **136****Randomization (investigator's opinion)**

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Mashhad University of Medical Science

Street address

Mashhad

City

Mashhad

Postal code**Approval date**

2010-08-20, 1389/05/29

Ethics committee reference number

87001

Health conditions studied**1****Description of health condition studied**

Metabolic syndrome

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Heat shock protein

Timepoint

6 weeks

Method of measurement

blood test

Secondary outcomes**1****Description**

Depression

Timepoint

6 weeks

Method of measurement

Questionnaire

Intervention groups**1****Description**

Interventional group: wet Cupping+diet

Category

Other

2**Description**

Control group: administration of diet

Category

Other

Recruitment centers**1****Recruitment center****Name of recruitment center**

Mashhad University of Medical Sciences

Full name of responsible person**Street address****City**

Mashhad

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Mashhad University of Medical Sciences

Full name of responsible person

Mrs Esmati

Street address

Mashhad- Ghoreshi Departement

City

Mashhad

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Mashhad University of Medical Sciences

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**

Mashhad University of Medical Sciences

Full name of responsible person

Shabnam Mohammadi

Position

PhD candidate

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Web page address**Person responsible for updating data****Contact****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*