# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

07 Nov 2026

## The Effect of Acupuncture on Pain Score during Extracorporeal Shock Wave Lithotripsy in Patients with Calyx Stones

## Protocol summary

**Summary**

Aim: we decided to evaluate effect of acupuncture on diminishing the pain during ESWL. Design: Patients with stones located in the pelvicalyceal system of the kidney that have been scheduled for ESWL, were visited by Acupuncture specialist before starting ESWL. They randomly divided into two groups of True Acupuncture and Sham acupuncture Subjects: Inclusion criterion: patients candidate ESWL reffered to Imam Reza Hospital. Exclusion criteria: urinary Infection; history of sensory neurologic, bone anomaly, addiction and any pain because renal stone. Intervention: In the first group, acupuncture was carried out in 4 special points of acupuncture for 30 minutes and in the second group acupuncture was ineffectively applied to the same points for 30 minutes. Main outcome measure: Then ESWL was begun and a blind observer relative to acupuncture recorded the intensity of pain using the numeric 0-10 VAS scale.

## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT201210178956N3**
Registration date: **2012-11-04, 1391/08/14**
Registration timing: **retrospective**

Last update:
Update count: **0**

**Registration date**

2012-11-04, 1391/08/14

**Registrant information**

**Name**

Shabnam Mohammadi

**Name of organization / entity**

Mashhad University of Medical Sciences

**Country**

Iran (Islamic Republic of)

**Phone**

+98 51 1868 7146

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**Recruitment status**

**Recruitment complete**

**Funding source**

Mashhad University of Medical Sciences

**Expected recruitment start date**

2010-08-21, 1389/05/30

**Expected recruitment end date**

2011-08-21, 1390/05/30

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

The Effect of Acupuncture on Pain Score during Extracorporeal Shock Wave Lithotripsy in Patients with Calyx Stones

**Public title**

Effect of Acupuncture in ESWL

**Purpose**

Treatment

**Inclusion/Exclusion criteria**

Inclusion criterion: patients candidate ESWL reffered to Imam Reza Hospital. Exclusion criteria: urinary Infection; history of sensory neurologic, bone anomaly, addiction and any pain because renal stone.

**Age**

From **20 years** old to **82 years** old

**Gender**

Both

**Phase**
N/A
**Groups that have been masked**
*No information*
**Sample size**
Target sample size: **100**
**Randomization (investigator's opinion)**
Randomized
**Randomization description**
**Blinding (investigator's opinion)**
Double blinded
**Blinding description**
**Placebo**
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**
2010-05-12, 1389/02/22
**Ethics committee reference number**
89017

## Health conditions studied

### 1

**Description of health condition studied**
Renal Stone
**ICD-10 code**
**ICD-10 code description**

### 2

**Description of health condition studied**
Acupuncture
**ICD-10 code**
**ICD-10 code description**

## Primary outcomes

### 1

**Description**
Pain
**Timepoint**
Before and After Intervention
**Method of measurement**
VAS

## Secondary outcomes

empty

## Intervention groups

### 1

**Description**
control group
**Category**
Treatment - Other

### 2

**Description**
Acupuncture
**Category**
Other

## Recruitment centers

### 1

**Recruitment center**
**Name of recruitment center**
Depatrment of Urology- Imam Reza Hospital
**Full name of responsible person**
**Street address**
Mashhad University of Medical Science
**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 student

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## Person responsible for scientific inquiries

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## 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*