

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

23 Jun 2026

### The effects of guided imagery on pain induced by orthopedic operations in traumatic patients

#### Protocol summary

##### Summary

Objective: Pain is of the most important post operative complaints of patients. Analgesics especially narcotic have complications, the most effective approach could be integration of pharmacological and non-pharmacological methods. Guided imagery is one of the non-pharmacological. This study aimed to observe the effect of Guided imagery on pain of orthopedic surgeries in traumatic patients. Design study: simple none randomize, then with randomize assigned, were placed in two groups including a control group and a intervention group. Methodology: The population traumatic patients, seventy four traumatic patients with lower extremity fracture needed to internal fixation were assigned in two groups of control (37) and intervention (37). Control group received just routine care. Intervention group received both routine care and guided imagery in which they listened to guided to CD of guided imagery for 18 minutes twice a day from 3 days before operation to 3 days after surgery. Pain of both groups were measured by McGill Pain Questionnaire every 12 hours, and by numerical scale of pain every 6 hours.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201109137143N2**

Registration date: **2013-05-06, 1392/02/16**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2013-05-06, 1392/02/16

##### Registrant information

###### Name

Hamid Chamanzari

##### Name of organization / entity

Mashhad University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 51 1605 8548

##### Email address

chamanzarih@mums.ac.ir

##### Recruitment status

###### Recruitment complete

##### Funding source

Research office Mashhad University of Medical Sciences, Mashhad, Iran

##### Expected recruitment start date

2011-06-26, 1390/04/05

##### Expected recruitment end date

2011-09-20, 1390/06/29

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effects of guided imagery on pain induced by orthopedic operations in traumatic patients

##### Public title

The effects of guided imagery on pain induced by orthopedic operations in traumatic patients

##### Purpose

Supportive

##### Inclusion/Exclusion criteria

Inclusion criteria: Completing Informed consent ; Lower extremity fracture ; Need internal fixation for treatment; Age of 18-50 years ; Numerical score of pain less than 6; Speak and understand Farsi ; Iranian ; Reading and writing literacy Exclusion criteria: History of taking

psychiatric drugs in recent 6 month; head trauma; multiple trauma; deafness; pain score more than 6 before intervention ; any disease which aggravate pain; no tendency for continuing study; operation sit infection; compartment syndrome; post operative ICU hospitalization; Guided imagery less than 2 hours before and after operation

#### Age

From **18 years** old to **50 years** old

#### Gender

Both

#### Phase

N/A

#### Groups that have been masked

*No information*

#### Sample size

Target sample size: **74**

#### 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

Ethic committee ,Mashhad University of Medical Sciences

##### Street address

mashhad university street,Mashhad University of Medical Sciences

##### City

mashhad

##### Postal code

#### Approval date

2010-08-21, 1389/05/30

#### Ethics committee reference number

89041

## Health conditions studied

### 1

#### Description of health condition studied

pain induced by orthopedic operation

#### ICD-10 code

M79.6

#### ICD-10 code description

Pain in limb

### 2

#### Description of health condition studied

pain due surgical orthopedic

#### ICD-10 code

T84.1

#### ICD-10 code description

Mechanical complication of internal fixation device of bones of limb

## Primary outcomes

### 1

#### Description

pain due of orthopedic surgery

#### Timepoint

post operative surgery

#### Method of measurement

pain measerment standard and McGill Pain Questionnaire

## Secondary outcomes

### 1

#### Description

pain quaintity and pain quality

#### Timepoint

post operative surgery

#### Method of measurement

pain measurment standard

### 2

#### Description

duration of the pain

#### Timepoint

post operative surgery

#### Method of measurement

pain measurment standard

## Intervention groups

### 1

#### Description

Control group received just routine care

#### Category

Treatment - Other

### 2

#### Description

listened to guided imagery CD for intervention group

#### Category

Other

## Recruitment centers

1

### Recruitment center

**Name of recruitment center**

Hosheminejad Hospital

**Full name of responsible person**

Samane Rafea

**Street address**

Semetri Tollab ,Vahid Street

**City**

Mashhad

### Sponsors / Funding sources

1

#### Sponsor

**Name of organization / entity**

Mashhad University Medical Sciences

**Full name of responsible person**

Mohammad Ramezani

**Street address**

university street,Mashhad University Medical Sciences  
, mashhad ,iran

**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 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 Medical Sciences ,Mashhad,Iran

**Full name of responsible person**

hamid chamanzari

**Position**

MSc or teacher nursing

**Other areas of specialty/work**

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### Person responsible for scientific inquiries

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### Person responsible for updating data

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### 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*