Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 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

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Name of organization / entity

Mashhad University of Medical Sciences

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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
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university street,Mashhad University Medical Sciences , mashhad ,iran
City
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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
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
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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