Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

The study of the effect of deep- slow and regular breathing on pain intensity of burn dressing

Protocol summary

Summary

The Purpose Of This Study Is To Examine The Effect Of Deep – Slow And Regular Breathing On Pain Intensity Of Burn Dressing. The Indus ion Criteria Are 10-25% Of The Whole Body Burn , Second Degree Burn , Ability To Speak , Being In The Acute Phase Of Burn Injury (48-72 Hours After Burning): And The Exclusion Criteria Are Lack Of Face And Neck Burn , Lack Of Numbness In The Burnt Argons , Lack Of Severe Hearing Or Vision Problems . This Is A Clinical Trial Study Conducted On Adult Male Patients Hospitalized In The Burn Ward Of Educational Ayatollah Kashani Hospital Of Shahrekord. In Each Group, 34 Patients Are Enrolled (Based On Type I Error and 0.05 And 0.9 Square). Thus 68 Patients Are Selected By Convenience Sampling And Randomly Assigned To Intervention And Control Groups. The Two Groups Are Matched By Age, Educational Level, And Addiction To Drugs Or Psychotropic Medications. The Intervention Group Recieves Deep Slow And Regular Breathing And Training On How To Perform It, And The Control Group Receives No Training. The Exected Outcome Is A Reduction In Pain During Doing Dressing, Assessed By Visual Analogue Scale 15-45 Minutes After Dressing. The Data Are Gathered By Visial Analogue Scale And Analyzed By Spss Software Using Independent Test.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201307016973N4**
Registration date: **2013-10-03, 1392/07/11**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2013-10-03, 1392/07/11

Registrant information

Name
Hedayat Allah Lalegani
Name of organization / entity
Shahrekord University of Medical Sciences and Health Services
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Recruitment status

Recruitment complete

Funding source

Shahrekord University of Medical Science

Expected recruitment start date
2013-03-21, 1392/01/01
Expected recruitment end date
2013-08-23, 1392/06/01
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title

The study of the effect of deep- slow and regular breathing on pain intensity of burn dressing

Public title

The study of the effect of deep- slow and regular breathing on pain intensity of burn dressing

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: patients will be selected from ones

whose bodies are burnt only 25 to 10 percent, their burn is the second degree, able to speak, be in the acute phase of burn injury (72-48 hours after burn). Exclusion criteria: Participants have face and neck burns, have the known mental disorders in the past or present, have neurological disorders and numbness in the burnt organs, and Participants have the severe hearing or vision problems.

Age
From **18 years** old to **70 years** old

Gender
Male

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **68**

Randomization (investigator's opinion)
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
Shahrekord University of Medical Science

Street address
Shahrekord University of Medical Science

City
Shahrekord

Postal code

Approval date
2012-08-19, 1391/05/29

Ethics committee reference number
1391-05-71-1640

Health conditions studied

1

Description of health condition studied
borning

ICD-10 code
S00-T98

ICD-10 code description
Diseases of the skin and subcutaneous tissue

Primary outcomes

1

Description
pain intensity

Timepoint
15 until 45 minutes after born dressing

Method of measurement
Visual analogue scale

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: Education of deep- slow and discipline breathing before than born dressing.

Category
Other

2

Description
Control group: did not receive any education or intervention

Category
N/A

Recruitment centers

1

Recruitment center

Name of recruitment center
Shahrekord University of Medical Science Ayatallah Kashani Hospita

Full name of responsible person
Hedayat allah Lalehgani

Street address
Shahrekord University of Medical Science

City
shahrekord

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Shahrekord University of Mrdical Science Shahrekord

Full name of responsible person
Hedayat allah Lalehgani

Street address
Shahrekord University of Medical Science Ayatallah Kashani Hospital

City
Shahrekord

Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Shahrekord University of Mrdical Science Shahrekord
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
Shahrekord University of Medical Science
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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