

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jun 2026

Investigating the effect of magnetic therapy on defecation pattern in patients admitted in the ICU

Protocol summary

Increasing the frequency of defecation and improving stool consistency

Study aim

Determining the effect of magnetic therapy on the discharge patterns of patients hospitalized in the ICU

Design

In this study, the sampling method will be easy and accessible, and intervention and control groups will be randomly assigned using minimization software in two intervention and control groups.

Settings and conduct

Special care departments of Amin, Kashani, Al-Zahra hospitals

Participants/Inclusion and exclusion criteria

Patients must be at least 18 years old and at most 65 years old • No drug addiction • Absence of cardiovascular problems and absence of a pacemaker according to the patient's file • The availability of places to place magnets on the patient's body and the absence of damage to that area Mechanical ventilation for more than 24 hours and GCS below 8 • Having a stomach tube and administering enteral nutrition • No history of defecation pattern disorders before hospitalization through accompanying information • No recent abdominal surgery according to the patient's file • Absence of spinal cord cut • Absence of sepsis according to the doctor's opinion No delay in starting feeding (2 and more than 2 days) • Absence of celiac disease, pancreatitis, thyroid hypofunction and hyperfunction, and active hepatitis based on the information in the file • Not using probiotics • Absence of pregnancy • Not having an implant • Absence of electrolyte disorders (hypomagnesemia, hypokalemia, hypocalcemia)

Intervention groups

The number of 64 patients eligible to enter the study are randomly divided into two test and control groups. Magnets are placed at points P6, H7 on the right and left hands, and points SP6, ST36 only on the left foot, and one point on the sole of the foot. The left related to the bladder/digestion are glued with glue.

Main outcome variables

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20230610058436N1**

Registration date: **2023-06-24, 1402/04/03**

Registration timing: **registered_while_recruiting**

Last update: **2023-06-24, 1402/04/03**

Update count: **0**

Registration date

2023-06-24, 1402/04/03

Registrant information

Name

Azade Moradi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 61 4362 5416

Email address

azade.moradi4460@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-06-22, 1402/04/01

Expected recruitment end date

2023-10-23, 1402/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating the effect of magnetic therapy on defecation pattern in patients admitted in the ICU

Public title

Investigating the effect of magnetic therapy on defecation pattern in patients admitted in the ICU

Purpose

Prevention

Inclusion/Exclusion criteria**Inclusion criteria:**

• The availability of places to place magnets on the patient's body and the absence of damage to that area • Mechanical ventilation for more than 24 hours and GCS below 8 • Having a stomach tube and administering enteral nutrition

Exclusion criteria:

No drug addiction • Absence of cardiovascular problems and absence of a pacemaker according to the patient's file • No history of defecation pattern disorders before hospitalization through accompanying information • No recent abdominal surgery according to the patient's file • Absence of spinal cord cut • Absence of sepsis according to the doctor's opinion • Absence of celiac disease, pancreatitis, thyroid hypofunction and hyperfunction, and active hepatitis based on the information in the file • Not using probiotics • Absence of pregnancy • Not having an implant • عدم اختلالات الكتروليت ها (هايپومنزيمي، هايپوكالسمي)

Age

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

Gender

Both

Phase

N/A

Groups that have been masked

- Data analyser

Sample size

Target sample size: **64**

Randomization (investigator's opinion)

Randomized

Randomization description

Randomization will be done using minimization software. In this way, after the patient's entry into the study is confirmed, several cases related to the patient are entered into this software to match the intervention and control groups, and then the software completely randomly selects the patient in the intervention or control group. to give

Blinding (investigator's opinion)

Single blinded

Blinding description

This study is a blinded clinical trial by a statistician and data analyst who does not know about the test and control groups while entering the data and analyzing it.

Placebo

Used

Assignment

Parallel

Other design features

Combining the two methods of acupuncture and acupressure to place magnets in different places

Secondary Ids

empty

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

Ethics Committee of the School of Management and Rehabilitation Nursing

Street address

Hazarjerib Street, Isfahan University of Medical Sciences, Faculty of Nursing and Midwifery

City

Isfahan

Province

Isfahan

Postal code

8174673461

Approval date

2023-06-18, 1402/03/28

Ethics committee reference number

1402.041

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

Constipation and diarrhea

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

Bristol scale

Timepoint

7 day

Method of measurement

Bristol scale

Secondary outcomes

empty

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

Intervention group: Magnets at points P6, H7 on the right and left hands, and points SP6, ST36 only on the left foot

and one point on the sole of the left foot related to the bladder/digestion, are glued with glue. The total time that the magnets in the points are located, about 35 ± 5 minutes once a day, for a week.

Category

Treatment - Other

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

Amin Hospital, Al Zahra Hospital, Kashani Hospital

Full name of responsible person

Mohammad Sadegh Aboutalebi

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

Esfahan University of Medical Sciences

Full name of responsible person

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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

Esfahan University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries**Contact****Name of organization / entity**

Esfahan University of Medical Sciences

Full name of responsible person

Mohammad Sadegh Aboutalebi

Position

assistant professor

Latest degree

Master

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries**Contact****Name of organization / entity**

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Position

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Latest degree

Master

Other areas of specialty/work

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Person responsible for updating data

Contact

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Not applicable

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

All data is potentially shareable after de-identifying individuals

When the data will become available and for how long

After printing the results of the study in the form of an article, it is possible to access the data with an official letter

To whom data/document is available

After printing the results of the study in the form of an article, it is possible to access the data with an official letter

Under which criteria data/document could be used

Send your request in writing stating the reason

From where data/document is obtainable

To submit your request, contact the following email:
aboutalebi@nm.mui.ac.ir

What processes are involved for a request to access data/document

If approved, it will be sent within a week

Comments