# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

22 Nov 2026

## The effects of paravertebral and abdominal kinesio taping on hyperlordosis in people with lumbar hyperlodosis combined with non-specific low back pain

## Protocol summary

**Summary**

The effects of paravertebral and abdominal kinesio taiping on hyperlordosis in people with lumbar hyperlodosis combined with non-specific low back pain. This single centre, randomized; controlled clinical trial as a pilot study on patients with chronic non-specific low back pain and lumbar hyperlordosis that will go to Clinic of the semnan University of Medical Sciences will be carried out. Full consent to participate in this study, aged between 20 and 40 years, lumbar lordosis angle greater than 40 degrees and having chronic non-specific low back pain are a condition of entry to the study. Lesions of the musculoskeletal injury, previous surgery of the spine, structural disturbance in the spine (such as scoliosis) and organs (such as short limbs), pregnancy, body mass index )BMI( equal to or greater than 30 kg per square meter, severe spinal pathology such as herniated disc, spinal fractures, tumors, cancer, and arthritis are the exclusion criteria. The study will be conducted on 60 people. Type of intervention include abdominal and vertebral muscles taping for a month and one-month follow-up. This research aims at identifying effective treatment for hyper lordosis in order to increase patient satisfaction and improve the outcome of other related treatments will be done.

## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT201706124203N14**
Registration date: **2017-06-29, 1396/04/08**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

**Registration date**

2017-06-29, 1396/04/08

**Registrant information**

**Name**

Atefeh Aminian Far

**Name of organization / entity**

Semnan University of Medical Sciences

**Country**

Iran (Islamic Republic of)

**Phone**

+98 23 1335 4180

**Email address**

aminianfar@razi.tums.ac.ir

**Recruitment status**

**Recruitment complete**

**Funding source**

Vice-chancellor for Research of Semnan Medical Sciences University, Faculty of rehabilitation (Primary sponsor)

**Expected recruitment start date**

2017-06-20, 1396/03/30

**Expected recruitment end date**

2017-07-05, 1396/04/14

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

The effects of paravertebral and abdominal kinesio taping on hyperlordosis in people with lumbar hyperlodosis combined with non-specific low back pain

**Public title**

The effects of paravertebral and abdominal kinesio taping on hyperlordosis in people with lumbar hyperlodosis combined with non-specific low back pain

**Purpose**
Treatment
**Inclusion/Exclusion criteria**
Exclusion criteria from the study include the following: 1. traumatic musculoskeletal injury 2. The history of spine surgery 3. structural abnormalities in the spine (such as scoliosis) and organs (such as limb shortening) 4. Pregnancy 5. The body mass index equal to or greater than 30 kilograms per square meter 6. pathology in the spine, such as severe disc herniation, spinal fractures, tumors, cancer and rheumatism
**Age**
From **20 years** old to **40 years** old
**Gender**
Both

**Phase**
N/A
**Groups that have been masked**
*No information*
**Sample size**
Target sample size: **60**
**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**
Ethics committee of Student Research Committee , semnan University of Medical Sciences
**Street address**
Bassij Blvd, Semnan University of Medical Sciences, Deputy of Research, Semnan, Iran
**City**
Semnan
**Postal code**
3519899951
**Approval date**
2017-05-21, 1396/02/31
**Ethics committee reference number**
ir.semums.rec.1396.13

## Health conditions studied

### 1

**Description of health condition studied**
Abnormal posture
**ICD-10 code**
R29.3
**ICD-10 code description**
Abnormal posture

### 2

**Description of health condition studied**
non-specific low back pain
**ICD-10 code**
M54.9
**ICD-10 code description**
non-specific low back pain

## Primary outcomes

### 1

**Description**
pain
**Timepoint**
Before intervention. A month after the intervention and one month after the end of intervention
**Method of measurement**
Visual Analogue Scale

### 2

**Description**
Lumbar lordosis
**Timepoint**
Before intervention. A month after the intervention and one month after the end of intervention
**Method of measurement**
Flexible ruler

## Secondary outcomes

empty

## Intervention groups

### 1

**Description**
The intervention is abdominal and vertebral muscles taping for three days to four weeks and will be conducted on thirty persons.
**Category**
Treatment - Other

### 2

**Description**
For the control group did not take action
**Category**
N/A

## Recruitment centers

**1**

**Recruitment center**

**Name of recruitment center**
Neuromuscular Rehabilitation Research Center of Semnan University of Medical Sciences

**Full name of responsible person**
Pooran Madani

**Street address**
Semnan University of Medical Sciences

**City**
semnan

## Sponsors / Funding sources

**1**

**Sponsor**

**Name of organization / entity**
Vice-chancellor for Research of Semnan Medical Sciences University, Faculty of rehabilitation

**Full name of responsible person**
Dr. Atefeh Aminian Far

**Street address**
Bassij Blvd, Semnan University of Medical Sciences, Deputy of Research, Semnan, Iran.

**City**
Semnan

**Grant name**

**Grant code / Reference number**

**Is the source of funding the same sponsor organization/entity?**
Yes

**Title of funding source**
Vice-chancellor for Research of Semnan Medical Sciences University, Faculty of rehabilitation

**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**
Semnan University of Medical Sciences

**Full name of responsible person**
Dr. Atefeh Aminian Far

**Position**
Ph.D of Physiotherapy/ Assistant Professor

**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*