

# The study of NUGA MRT-II relief for low back muscular pain

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		<input type="checkbox"/> Protocol
<b>Registration date</b> 10/06/2011	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
<b>Last Edited</b> 10/06/2011	<b>Condition category</b> Musculoskeletal Diseases	<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

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## Additional identifiers

**Protocol serial number**  
N2010-02

## Study information

**Scientific Title**  
The study of NUGA MRT-II relief for low back muscular pain: a randomised, patient-assessor, blind, two arm sham device controlled pilot trial

**Study objectives**  
This study aims to explore the pain relieving efficacy of NUGA MRT-II (pulsed electromagnetic fields) for low back muscular pain as a pilot study

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Sang-ji University Oriental Medical Centre Ethics Committee approved on 2nd September 2010

**Study design**

Randomised patient-assessor blind two arm sham device controlled unicentre pilot trial

**Primary study design**

Interventional

**Study type(s)**

Treatment

**Health condition(s) or problem(s) studied**

Low back muscular pain

**Interventions**

Treatment group : Treated with real equipment for 3 times a week. It takes 10 minutes for each treatment. No other treatments will be applied during this trial.

Treating point : Choose lumbar acupoints (among BL23, BL24, BL25, GV3, GV4, GV5 etc.) mostly on the meridians of governor vessel and bladder meridian, where patients complain pain.

Control group : Treated with false equipment for 3 times a week. It takes 10 minutes for each treatment. No other treatments will be applied during this trial.

Treating point : Choose lumbar acupoints (among BL23, BL24, BL25, GV3, GV4, GV5 etc.) mostly on the meridians of governor vessel and bladder meridian, where patients complain pain.

**Intervention Type**

Other

**Phase**

Not Applicable

**Primary outcome(s)**

Visual analogue scale (VAS) for bothersomeness : measured at baseline, every visit during 2 weeks and after 3 weeks

**Key secondary outcome(s)**

1. The Korean version of the Roland-Morris disability questionnaire
2. VAS for pain intensity
3. The Korean version of Oswestry Disability Index (ODI)
4. The Korean version of EuroQol 5-Dimension (EQ-5D)
5. The Korean version of SF-36 for quality of life
6. The Korean version of Beck's depression inventory (BDI)
7. Medication use

Measured at baseline, every visit during 2 weeks and after 3 weeks

**Completion date**

02/09/2011

## Eligibility

**Key inclusion criteria**

1. Genders Eligible for Study : Both
2. Patients who have been undergo chronic low back pain for chief complain over 3 months
3. Patient whose age is from 18 to 65
4. Patients whose neurology examination is normal
5. Patients whose bothersomeness for the last week before the participation of the treatment is over Visual Analogue Scale (VAS) 5
6. Patients who are diagnosed as nonspecific low back pain

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Lower age limit**

18 years

**Sex**

All

**Key exclusion criteria**

1. Patients who have radicular pain
2. Patients who are diagnosed with specific disease which cause low back pain such as metastatic cancer, vertebral fracture, spinal infection, inflammatory spondylitis
3. Patients who are diagnosed with other chronic disease which could affect the result such as cardiovascular disease, diabetic neuropathy, active hepatitis, fibromyalgia, rheumatic arthritis, dementia, haemorrhagic disease, epilepsy
4. Patients who have had or would have spinal surgery
5. Patients who have other skeletomuscular pain as chief complain
6. Patients who have undergone acupuncture treatment for low back pain in last one month
7. Patients who are taking corticosteroids, narcotics, muscle relaxant, anticoagulant drug, herbal medicine for low back pain or other non-propal drugs

**Date of first enrolment**

03/09/2010

**Date of final enrolment**

02/09/2011

## Locations

## Countries of recruitment

Korea, South

## Study participating centre

283 Woo-San Dong

Wonju

Korea, South

220-717

## Sponsor information

### Organisation

NUGA Medical Co. Ltd (South Korea)

### ROR

<https://ror.org/02h420k27>

## Funder(s)

### Funder type

Industry

### Funder Name

NUGA Medical Co. Ltd (South Korea)

## Results and Publications

### Individual participant data (IPD) sharing plan

### IPD sharing plan summary

Not provided at time of registration