

# Effects of cervical vertebral manipulative therapy on judo athletes grip strength

<b>Submission date</b> 20/05/2011	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
<b>Registration date</b> 02/06/2011	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
<b>Last Edited</b> 02/06/2011	<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**  
n/a

## Study information

**Scientific Title**

### Study objectives

When cervical spinal manipulation (CSMT) is applied to the cervical spine, grip strength in Judo athletes can be increased

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Research Ethics Committee, Institute of Higher Education (Instituto Mantenedor de Ensino Superior) (Brazil) May 2009, Ref 904

**Study design**

Prospective, single blind, pilot randomized clinical trial

**Primary study design**

Interventional

**Study type(s)**

Treatment

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

Sports performance influence on judo athletes

**Interventions**

1. Cervical spine manipulative therapy
2. Sham manipulation

**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome(s)**

1. Grip strength variations before CSMT therapy or sham intervention and after first, second and third interventions on groups treatment and placebo
2. For measurement it was used a hand hydraulic dynamometer (Jamar 5030 J1)

**Key secondary outcome(s)**

No secondary outcome measures

**Completion date**

30/06/2009

**Eligibility****Key inclusion criteria**

1. Age ranging from 15-30 years
2. Regular attendance to training and competing sessions for at least four days a week
3. Never been submitted to chiropractic care and possess no prior knowledge of its procedures
4. No change of the medical or physical routine due the addition of the new procedures

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Sex**

All

**Key exclusion criteria**

1. Spine anomalies, such as hypoplasia or instability of the odontoid process
2. Acute fracture or infections
3. Cancer
4. Local hematoma
5. Signs of progressive neurological deficit
6. Arnold-Chiari malformation
7. Vertebral dislocation
8. Signs of meningeal irritation
9. Joint instability signs

**Date of first enrolment**

01/06/2009

**Date of final enrolment**

30/06/2009

**Locations****Countries of recruitment**

Brazil

**Study participating centre**

Av. Oceanica, 3731

Salvador

Brazil

41950-000

**Sponsor information****Organisation**

School of Technology and Science (Faculdade de Tecnologia e Ciências) (Brazil)

**ROR**

<https://ror.org/04c3ymz82>

## **Funder(s)**

### **Funder type**

Other

### **Funder Name**

Investigator initiated and funded (Brazil)

## **Results and Publications**

### **Individual participant data (IPD) sharing plan**

#### **IPD sharing plan summary**

Not provided at time of registration