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Effects of cervical vertebral manipulative therapy on judo athletes grip strength

Submission date
20/05/2011

Recruitment status
No longer recruiting

Registration date
02/06/2011

Overall study status
Completed

Last Edited
02/06/2011

Condition category
Musculoskeletal Diseases

[ ] Prospectively registered
[ ] Protocol
[ ] Statistical analysis plan
[ ] Results
[ ] Individual participant data
[ ] Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Dr Marcelo Botelho

Contact details
Av. Oceanica, 3731
Rio Vermelho
Salvador
Brazil
41950-000

Additional identifiers

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

Primary study design
Interventional

Study design
Prospective, single blind, pilot randomized clinical trial

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Sports performence 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 intreventions 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 possessno 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