

Head repositioning accuracy and posturography related to cervical facet nerve blockade and spinal manipulative therapy in healthy volunteers: a feasibility study

Submission date 21/06/2007	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered
Registration date 05/11/2007	Overall study status Completed	<input type="checkbox"/> Protocol
Last Edited 10/06/2021	Condition category Nervous System Diseases	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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Contact details

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Sweden
16957

Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

BL1SKHS

Study information

Scientific Title

Head repositioning accuracy and posturography related to cervical facet nerve blockade and spinal manipulative therapy in healthy volunteers: a feasibility study

Study objectives

Three working hypotheses formed the basis for the project:

1. Unilateral facet nerve anaesthesia is expected to elicit disturbed Head Repositioning Accuracy (HRA) and decreased postural control in healthy subjects
2. Disturbed HRA and altered postural control would also be expected after Spinal Manipulative Therapy (SMT) in the cervical spine
3. The disturbances would be caused by abnormal afferent input from the joints

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethics approval received from:

1. Institutional Review Board of the Scandinavian College of Chiropractic in May 2004 (ref: BL1SKHS)
2. Research Ethical Board of the Swedish Chiropractic Association in May 2007 (ref: BL1KFSFeK)

Study design

This randomised, single-blinded feasibility study used some features adopted from the Single-Subject Research Design (SSRD), with multiple baseline measurements.

Primary study design

Interventional

Secondary study design

Randomised controlled trial

Study setting(s)

Not specified

Study type(s)

Other

Participant information sheet

Health condition(s) or problem(s) studied

Neck proprioception and balance

Interventions

All participants were subjected to unilateral facet nerve blockade (injection of a local anaesthetic) and cervical spinal manipulative chiropractic therapy. There was no control group in this trial. Instead, subjects acted as their own controls by using multiple baseline measurements.

Intervention Type

Other

Phase

Not Specified

Primary outcome measure

Cervical proprioceptive functions and static posture were assessed by examining HRA and Computerised Posturography (CPG), respectively.

Sequence of measurements for Group 1:

1. Four baseline measurements
2. One measurement immediately after facet blockade
3. One measurement 24 hours after facet blockade
4. One baseline measurement
5. One measurement immediately after cervical spinal manipulative chiropractic therapy

Sequence of measurements for Group 2:

1. Two baseline measurements
2. One measurement immediately after cervical spinal manipulative chiropractic therapy
3. One baseline measurement
4. One measurement immediately after facet blockade
5. One measurement 24 hours after facet blockade
6. Two baseline measurements

Secondary outcome measures

No secondary outcome measures

Overall study start date

21/05/2007

Completion date

10/09/2007

Eligibility

Key inclusion criteria

Healthy volunteers.

Participant type(s)

Healthy volunteer

Age group

Not Specified

Sex

Both

Target number of participants

6 (one woman and five men)

Total final enrolment

6

Key exclusion criteria

1. History of cervical trauma
2. Whiplash associated disorders
3. Recent problems with chronic neck pain

Date of first enrolment

21/05/2007

Date of final enrolment

10/09/2007

Locations**Countries of recruitment**

Sweden

Study participating centre

Råsundavägen 101

Solna

Sweden

16957

Sponsor information**Organisation**

Scandinavian College of Chiropractic (Sweden)

Sponsor details

Råsundavägen 101

Solna

Sweden

16957

Sponsor type

University/education

Website

<http://www.kiropraktik.edu/>

ROR

<https://ror.org/023j1w312>

Funder(s)

Funder type

University/education

Funder Name

Scandinavian College of Chiropractic (Sweden)

Results and Publications

Publication and dissemination plan

Not provided at time of registration

Intention to publish date

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article		01/03/2009	10/06/2021	Yes	No