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Torticollis in infants due to suboccipital strain: a pilot study

Submission date	Recruitment status	[ ] Prospectively registered
05/07/2007	No longer recruiting	[ ] Protocol
Registration date	**Overall study status**	[ ] Statistical analysis plan
16/10/2007	Completed	[X] Results
Last Edited	**Condition category**	[ ] Individual participant data
15/07/2021	Musculoskeletal Diseases	

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
2679035

Study information

Scientific Title
Torticollis in infants due to suboccipital strain: a pilot study

Study objectives

The movement patterns of the neck in infants with torticollis treated with manual therapy in addition to child physiotherapy is normalising more rapidly than in infants treated with child physiotherapy alone.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Approval received from the Regional Committee of Medicine Science Ethics, Southern Norway (Regional komite for medisinsk forskningsetikk Sor-Norge) on the 2nd May 2007 (ref: S-07104a).

Primary study design
Interventional

Study design
A randomised, single blinded controlled trial

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Torticollis in infancy

Interventions
Group 1: receives manual therapy once or twice in addition to child physiotherapy. Manual therapy will take place at the first visit, and then again in four weeks time if necessary.
Group 2: receives child physiotherapy only. Child physiotherapy will take place before, during and after the trial period. How often this takes place will be decided by what the child needs.

Intervention Type
Other

Phase
Not Specified

Primary outcome(s)
Each infant is videotaped three times during the study period of eight weeks. The films are assessed by three child physiotherapists and scored individually into five different categories due to the seriousness of the torticollis.

Primary and secondary outcomes will be measured at the first visit, after 2 weeks and at last after 8 weeks. The randomisation then ends and both groups can get manual therapy if it is needed.

Key secondary outcome(s)
1. Active range of movement of the neck
2. Compensations during active rotation of the neck
3. Passive range of movement of the neck (rotation, lateral and ventral flexion)
4. Signs of pain when passive range of movement is tested
5. Antigravity movement of the neck during lateral tilting of the infant
6. Anamnestic information

7. Questionnaire: this questionnaire is in Norwegian, and consists of seven questions with a Visual Analog Scale line

Primary and secondary outcomes will be measured at the first visit, after 2 weeks and at last after 8 weeks. The randomisation then ends and both groups can get manual therapy if it is needed.

Completion date
31/12/2007

Eligibility

Key inclusion criteria
1. Infants with torticollis, aged 3 - 6 months
2. Active and passive range of movement of the neck must be restricted

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Child

Lower age limit
3 Months

Upper age limit
6 Months

Sex
All

Total final enrolment
32

Key exclusion criteria
1. Serious pathology - somatic and cognitive
2. Syndromes
3. Intermittent torticollis

Date of first enrolment
02/05/2007

Date of final enrolment
31/12/2007

Locations

Countries of recruitment
Norway

Study participating centre
Akershus Universitetssykehus
Lørenskog
Norway
1478

Sponsor information

Organisation
Akershus University Hospital (Akershus Universitetssykehus) (Norway)

ROR
https://ror.org/0331wat71

Funder(s)

Funder type
Hospital/treatment centre

Funder Name
Strategic Research Funds of Akershus University Hospital (Strategiske forskningsmidler ved Akershus Universitetssykehus) (Norway)

Results and Publications

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		01/05/2011	15/07/2021	Yes	No