

Appendix to Kjetil G. Brurberg, Kristin Thuve Dahm, Ingvild Kirkehei. Manipulation techniques for infant torticollis. Tidsskr Nor Legeforen 2018; 138. doi: 10.4045/tidsskr.17.1031. This appendix is a supplement to the article and has not been processed editorially.

Appendix 1 Literature search

Search strategy for searches conducted in August 2017. This search is an update of previous searches conducted in 2009 and 2015, respectively.

Total search hits: 1434

Search hits after duplicate check: 637

Search date: 9 August.2017

Embase (Ovid)

Embase 1980 to 2017 Week 32

Search hits: 495

1. kinetic imbalance due to suboccipital strain.tw.
2. (kiss and (syndrome* or diagnos*)).tw. or kiss.ti.
3. *Torticollis/
4. torticolli*.tw.
5. (contracted neck or neck torsion).tw.
6. *Plagiocephaly/
7. Plagiocephal*.tw.
8. *Scoliosis/ 9. scolios*.tw.
10. ((postur* or positional*) adj (asymmetr* or preferenc*)).tw.
11. (wry neck or wryneck).tw.
12. (upper cervical adj2 dysfunction*).tw.
13. *Head Twitch/
14. (molded baby syndrome or siebener syndrome*).tw. 15. ((head adj (twitch* or turn*)) or twisted neck).tw.
16. spinal curvature*.tw.

17. neck curvatur*.tw. 18. trachelocyllos*.tw.
19. (caput obstipum or caput distortum).tw.
20. ((neck or trunc* or spinal*) adj2 curvatur*).tw.
21. ((asymmetr* or curved) adj2 (neck* or spine* or spinal or trunc*)).tw.
22. (atlanto-occipital joint* or atlantoaxial joint*).tw.
23. flattened head syndrome*.tw.
24. or/1-23
25. (child* or baby or babies or infan* or newborn* or new* born* or toddler* or pediatric* or prematur* or neonatal* or perinatal*).tw.
26. child care/
27. exp Child/ or exp Infant/ or exp Newborn/
28. or/25-27
29. 24 and 28
30. exp *physical medicine/

31. *rehabilitation/
32. exp *muscle relaxation/
33. *relaxation training/ or exp *Traction Therapy/
34. (physical therap* or manual therap* or manual treatment* or manual medicin* or manualmedi* or physiotherap* or massage* or mobiliz* or mobilis* or manipul* or osteopath* or stretch* or chiropract* or myotherap* or myofunction* or kinesiolog* or kinesiotherap* or adjustment* or reflexolog* or zone therap* or acupressur* or rolfing* or rehabilitat* or habilitat* or traction* or relax* or training or exercise or positioning or ((muscle* or spinal or relief* or reliev* or movement or motion or tension or strain) adj3 (therap* or intervention* or treatment*)) or physical medicine or atlas therap* or atlastherap* or naprapath* or occilation).tw.
35. or/30-34
36. 29 and 35
37. animal/ not Human/
38. 36 not 37
39. (2015* or 2016* or 2017*).dd,yr.
40. 38 and 39

MEDLINE (Ovid)

MEDLINE Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Ovid 1946 to Present

Search hits: 280

1. kine* imbalance due to suboccipital strain.tw.
2. (kiss and (syndrome* or diagnos*)).tw. or kiss.ti.
3. Torticollis/
4. torticolli*.tw.
5. (contracted neck or neck torsion).tw.
6. Plagiocephaly, Nonsynostotic/
7. plagiocephal*.tw.
8. Scoliosis/
9. scolios*.tw.
10. ((postur* or positional*) adj (asymmetr* or preferenc*)).tw.
11. (wry neck* or wryneck*).tw.
12. (upper cervical adj2 dysfunction*).tw.
13. siebener syndrome*.tw.
14. molded baby syndrome.tw.
15. ((head adj (twitch* or turn*)) or twisted neck).tw.
16. trachelocyllos*.tw.
17. (caput obstipum or caput distortum).tw.
18. ((neck or trunc* or spinal*) adj2 curvatur*).tw.
19. ((asymmetr* or curved) adj2 (neck* or spine* or spinal* or trunc*)).tw.
20. (atlanto-occipital joint* or atlantoaxial joint*).tw.
21. flattened head syndrome*.tw.
22. or/1-21
23. child/ or exp Infant/
24. (child* or baby or babies or infan* or newborn* or new* born* or toddler* or pediatric* or prematur* or neonatal* or perinatal*).tw.
25. exp Child Care/
26. or/23-25
27. 22 and 26

28. exp Physical Therapy Modalities/
29. exp Rehabilitation/
30. Chiropractic/
31. exp Musculoskeletal Manipulations/
32. exp Relaxation/ or Muscle Relaxation/ or mind-body therapies/ or relaxation therapy/ or traction/
33. (physical therap* or manual therap* or manual treatment* or manual medicin* or manualmedi* or physiotherap* or massage* or mobiliz* or mobilis* or manipul* or osteopath* or stretch* or chiropract* or myotherap* or myofunction* or kinesiolog* or kinesiotherap* or adjustment* or reflexolog* or zone therap* or acupressur* or rolfing* or rehabilitat* or habilitat* or traction* or relax* or training or exercise or ((muscle* or spinal or relief* or reliev* or movement or motion or tension or strain) adj3 (therap* or intervention* or treatment*)) or physical medicine or atlas therap* or atlastherap* or naprapath* or occilation or positioning).tw.
34. or/28-33
35. 27 and 34
36. Animals/ not Humans/
37. 35 not 36
38. (2015* or 2016* or 2017*).ed,yr,dt.
39. 37 and 38

AMED (Ovid)

AMED (Allied and Complementary Medicine) 1985 to July 2017

Search hits: 231

1. kiss.tw.
2. imbalance due to suboccipital strain.tw.
3. torticollis/
4. exp spinal curvatures/
5. torticolli*.tw.
6. (contracted neck or neck torsion).tw.
7. plagiocephal*.tw.
8. scolios*.tw.
9. ((postur* or positional*) adj (asymmetr* or preferenc*)).tw.
10. (wry neck* or wryneck*).tw.
11. (upper cervical adj2 dysfunction*).tw.
12. siebener syndrome*.tw.
13. molded baby syndrome.tw.
14. ((head adj2 (twitch* or turn*)) or twisted neck).tw.
15. trachelocyllos*.tw.
16. (caput obstipum or caput distortum).tw.
17. ((neck or trunc* or spinal*) adj2 curvatur*).tw.
18. ((asymmetr* or curved) adj2 (neck* or spine* or spinal or trunc*)).tw.
19. (atlanto-occipital joint* or atlantoaxial joint*).tw.
20. flattened head syndrome*.tw.
21. or/1-20
22. exp child/ or exp infant/
23. (child* or baby or babies or infan* or newborn* or new* born* or toddler* or pediatric* or prematur* or neonatal* or perinatal*).tw.
24. or/22-23

Cochrane Library

Search hits

- Cochrane Database of Systematic Reviews: 2
 - Database of Abstracts of Reviews of Effects (DARE): 12
 - Health Technology Assessment (HTA) Database: 4
 - CENTRAL: 176
-
- #1 (kine*-imbalance- due-to-suboccipital-strain or (kiss and (syndrome* or diagnos*)) or kiss or torticolli* or contracted-neck or neck-torsion or plagiocephal* or scolios* or ((postur* or positional*) near/3 (asymmetr* or preferenc*)) or wry-neck* or wryneck* or (upper-cervical near/2 dysfunction*) or siebener-syndrome* or molded-babysyndrome or (head next (twitch* or turn*)) or twisted-neck or trachelocyllos* or (caputobstipum or caput-distortum) or ((neck or trunc* or spinal*) near/2 curvatur*) or ((asymmetr* or curved) near/2 (neck* or spine* or spinal* or trunc*)) or atlantooccipital-joint* or atlantoaxial-joint* or flattened-head-syndrome*):ti,ab,kw Online Publication Date from Jan 2015 to Aug 2017, in Cochrane Reviews (Reviews and Protocols)
 - #2 kine*-imbalance- due-to-suboccipital-strain or (kiss and (syndrome* or diagnos*)) or kiss or torticolli* or contracted-neck or neck-torsion or plagiocephal* or scolios* or ((postur* or positional*) near/3 (asymmetr* or preferenc*)) or wry-neck* or wryneck* or (upper-cervical near/2 dysfunction*) or siebener-syndrome* or molded-babysyndrome or (head next (twitch* or turn*)) or twisted-neck or trachelocyllos* or (caputobstipum or caput-distortum) or ((neck or trunc* or spinal*) near/2 curvatur*) or ((asymmetr* or curved) near/2 (neck* or spine* or spinal* or trunc*)) or atlantooccipital-joint* or atlantoaxial-joint* or flattened-head-syndrome* in Other Reviews, Trials and Technology Assessments
 - #3 MeSH descriptor: [Torticollis] explode all trees
 - #4 MeSH descriptor: [Plagiocephaly, Nonsynostotic] explode all trees
 - #5 MeSH descriptor: [Scoliosis] explode all trees
 - #6 #1 or #2 or #3 or #4 or #5
 - #7 (child* or baby or babies or infan* or newborn* or new*-born* or toddler* or pediatric* or prematur* or neonatal* or perinatal*):ti,ab,kw in Cochrane Reviews (Reviews and Protocols)
 - #8 child* or baby or babies or infan* or newborn* or new*-born* or toddler* or pediatric* or prematur* or neonatal* or perinatal* in Other Reviews, Trials and Technology Assessments
 - #9 MeSH descriptor: [Child] this term only
 - #10 MeSH descriptor: [Infant] explode all trees
 - #11 MeSH descriptor: [Child Care] explode all trees
 - #12 #7 or #8 or #9 or #10 or #11

- #13 (physical-therap* or manual-therap* or manual-treatment* or manual-medicin* or manualmedi* or physiotherap* or massage* or mobiliz* or mobilis* or manipul* or osteopath* or stretch* or chiropract* or myotherap* or myofunction* or kinesiolog* or kinesiotherap* or adjustment* or reflexolog* or zone-therap* or acupressur* or rolfing* or rehabilitat* or habilitat* or traction* or relax* or training or exercise or ((muscle* or spinal or relief* or relief* or movement or motion or tension or strain) near/3 (therap* or intervention* or treatment*)) or physical-medicine or atlas-therap* or atlastherap* or naprapath* or occilation or positioning):ti,ab,kw in Cochrane Reviews (Reviews and Protocols)
- #14 physical-therap* or manual-therap* or manual-treatment* or manual-medicin* or manualmedi* or physiotherap* or massage* or mobiliz* or mobilis* or manipul* or osteopath* or stretch* or chiropract* or myotherap* or myofunction* or kinesiolog* or kinesiotherap* or adjustment* or reflexolog* or zone-therap* or acupressur* or rolfing* or rehabilitat* or habilitat* or traction* or relax* or training or exercise or ((muscle* or spinal or relief* or relief* or movement or motion or tension or strain) near/3 (therap* or intervention* or treatment*)) or physical-medicine or atlas-therap* or atlastherap* or naprapath* or occilation or positioning in Other Reviews, Trials and Technology Assessments
- #15 MeSH descriptor: [Physical Therapy Modalities] explode all trees
- #16 MeSH descriptor: [Rehabilitation] explode all trees
- #17 MeSH descriptor: [Chiropractic] explode all trees
- #18 MeSH descriptor: [Musculoskeletal Manipulations] explode all trees
- #19 MeSH descriptor: [Relaxation] explode all trees
- #20 MeSH descriptor: [Muscle Relaxation] explode all trees
- #21 MeSH descriptor: [Mind-Body Therapies] explode all trees
- #22 MeSH descriptor: [Relaxation Therapy] explode all trees
- #23 MeSH descriptor: [Traction] explode all trees
- #24 #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23
- #25 #6 and #12 and #24 Online Publication Date from Jan 2015 to Jan 2017, in Cochrane Reviews (Reviews and Protocols)
- #26 #6 and #12 and #24 in Other Reviews, Trials and Technology Assessments
- #27 #25 or #26

Cinahl (Ebsco)

Search hits: 155

- S17 S5 AND S8 AND S16 Exclude MEDLINE records
- S16 S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15
- S15 (MH "Traction")
- S14 (MH "Manual Therapy")
- S13 (MH "Mind Body Techniques")
- S12 (MH "Relaxation") OR (MH "Relaxation Techniques") OR (MH "Muscle Relaxation")
- S11 (MH "Chiropractic")
- S10 (MH "Rehabilitation+") OR (MH "Physical Therapy+")

- S9 TI (physical therap* or manual therap* or manual treatment* or manual medicin* or manualmedi* or physiotherap* or massage* or mobiliz* or mobilis* or manipul* or osteopath* or stretch* or chiropract* or myotherap* or myofunction* or kinesiolog* or kinesiotherap* or adjustment* or reflexolog* or zone therap* or acupressur* or rolfing* or rehabilitat* or habilitat* or traction* or relax* or training or exercise or ((muscle* or spinal or relief* or reliev* or movement or motion or tension or strain) N3 (therap* or intervention* or treatment*)) or physical medicine or atlas therap* or atlasterap* or naprapath* or occilation or positioning) OR AB (physical therap* or manual therap* or manual treatment* or manual medicin* or manualmedi* or physiotherap* or massage* or mobiliz* or mobilis* or manipul* or osteopath* or stretch* or chiropract* or myotherap* or myofunction* or kinesiolog* or kinesiotherap* or adjustment* or reflexolog* or zone therap* or acupressur* or rolfing* or rehabilitat* or habilitat* or traction* or relax* or training or exercise or ((muscle* or spinal or relief* or reliev* or movement or motion or tension or strain) N3 (therap* or intervention* or treatment*)) or physical medicine or atlas therap* or atlasterap* or naprapath* or occilation or positioning)
- S8 S6 OR S7
- S7 (MH "Child")
- S6 TI (child* or baby or babies or infan* or newborn* or new* born* or toddler* or pediatric* or prematur* or neonatal* or perinatal*) OR AB (child* or baby or babies or infan* or newborn* or new* born* or toddler* or pediatric* or prematur* or neonatal* or perinatal*)
- S5 S1 OR S2 OR S3 OR S4
- S4 (MH "Scoliosis")
- S3 (MH "Deformational Plagiocephaly")
- S2 (MH "Torticollis")
- S1 TI (kine* imbalance due to suboccipital strain or (kiss and (syndrome* or diagnos*)) or kiss or torticolli* or contracted neck or neck torsion or plagiocephal* or scolios* or ((postur* or positional*) N3 (asymmetr* or preferenc*)) or wry neck* or wryneck* or (upper cervical N2 dysfunction*) or siebener syndrome* or molded baby syndrome or (head N1 (twitch* or turn*)) or twisted neck or trachelocyllos* or (caput obstipum or caput distortum) or ((neck or trunc* or spinal*) N2 curvatur*) or ((asymmetr* or curved) N2 (neck* or spine* or spinal* or trunc*)) or atlanto occipital joint* or atlantoaxial joint* or flattened head syndrome*) OR AB (kine* imbalance due to suboccipital strain or (kiss and (syndrome* or diagnos*)) or kiss or torticolli* or contracted neck or neck torsion or plagiocephal* or scolios* or ((postur* or positional*) N3 (asymmetr* or preferenc*)) or wry neck* or wryneck* or (upper cervical N2 dysfunction*) or siebener syndrome* or molded baby syndrome or (head N1 (twitch* or turn*)) or twisted neck or trachelocyllos* or (caput obstipum or caput distortum) or ((neck or trunc* or spinal*) N2 curvatur*) or ((asymmetr* or curved) N2 (neck* or spine* or spinal* or trunc*)) or atlanto occipital joint* or atlantoaxial joint* or flattened head syndrome*)

Index to Chiropractic Literature (ICL)

Search hits: 44

Search 1, advanced search:

Subject:"Torticollis" OR "Deformational Plagiocephaly / Infant" OR "Plagiocephaly, Nonsynostotic" OR "Scoliosis" OR AND Subject:"Infant" OR "Infant, Newborn" OR "Child"

Search 2, advanced search:

All fields: kiss OR suboccipital OR scolios* OR torticoll* OR plagiocephal* OR asymmetr* AND

All fields: child* OR infan*

Limited to publication years from 2014.

PEDro

Search hits: 35, distributed over 6 different searches

Advanced search. New records added since 01/01/2015

Abstract & Title: kiss

Therapy: Stretching, mobilisation, manipulation, massage

Abstract & Title: suboccipital Therapy. Stretching, mobilisation, manipulation, massage Therapy:
Stretching, mobilisation, manipulation, massage

Abstract & Title: scolios*

Therapy: Stretching, mobilisation, manipulation, massage

Abstract & Title: torticoll*

Therapy: Stretching, mobilisation, manipulation, massage

Abstract & Title: plagiocephal*

Therapy: Stretching, mobilisation, manipulation, massage

Abstract & Title: asymmetr*

Therapy: Stretching, mobilisation, manipulation, massage