

Pediatrics

Overview

The initial search was done by a librarian experienced in literature retrieval. It was done in English only and initially used the terms “chiropractic” AND “pediatric” or “paediatric” or “child” or “infant.” Articles primarily addressing infertility, pregnancy or childbirth were not included (Infertility was included in the nonmusculoskeletal condition search and pregnancy and childbirth were included in a separate search for articles related to pregnant women). Databases searched included Medline, MANTIS, CINAHL, and Index to Chiropractic Literature, with no beginning cut-off date and an end date of 2004. Hand searches and reference tracking were also performed, and input was requested from academic faculty and practitioners who were knowledgeable in this topic area. A total of 241 articles were identified through these means.

Inclusion criteria were applied to these 241 articles, with the following results:

Initial results of literature search	241
published in a peer-reviewed journal	215

The following study designs were found in the resulting 215 articles:

Expert opinion (instructional/tutorials) citation list follows	30
Case series (> 1 case, clinical observations) citation list follows	26
Case reports (single case clinical observations) citation list follows	97
Designed studies citation list follows	62
1 Descriptive cross-sectional studies (predominantly surveys)	16
2 Literature reviews/annotated bibliographies	10
3 Systematic reviews	3
4 Analytic observational studies, cross-sectional	6
5 Analytic observational studies, longitudinal	8
6 Small experimental (including pilots), single group (pre-experimental) or quasi-experimental (non-randomized)	13
7 RCTs	6

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Designed Studies: Citation	type
1. Pistolese RA. Risk assessment of neurological and/or vertebrobasilar complications in the pediatric chiropractic patient. JSVR YEAR;2(2):1-9.	1
2. Cherkin DC, Deyo RA, Sherman KJ, et al. Characteristics of visits to licensed acupuncturists, chiropractors, massage therapists, and naturopathic physicians. J Am Board Fam Pract. 2002 Nov-Dec;15(6):463-72.	1
3. Colley F, Haas M. Attitudes on immunization: a survey of American chiropractors. JMPT 1994;17(9):584-90.	1
4. Feise RJ. An inquiry into chiropractors' intention to treat adolescent idiopathic scoliosis: a telephone survey. JMPT 2001;24(3):177-82.	1
5. Lee AC, Li DH, Kemper KJ. Chiropractic care for children. Arch Pediatr Adolesc Med. 2000;154(4):401-7.	1
6. Limon S, Valinsky LJ, Ben-Shalom Y. Children at risk: risk factors for low back pain in the elementary school environment. Spine 2004;29(6):697-702.	1
7. Madsen H, Andersen S, Nielsen RG, Dolmer BS, Host A, Damkier A. Use of complementary/alternative medicine among paediatric patients. Eur J Pediatr 2003;162(5):334-41.	1
8. Nilsson N. Infant colic and chiropractic .Euro J Chiropr 1985;33(4):264-265.	1
9. Nyiendo J, Olsen E. Visit characteristics of 217 children attending a chiropractic college teaching clinic. J Manipulative Physiol Ther 1988;11(2):78-84.	1
10. Sanders H, Davis MF, Duncan B, et al. Use of complementary and alternative medical therapies among children with special health care needs in southern Arizona. Pediatrics 2003;111(3):584-7.	1
11. Sawni-Sikand A, Schubiner H, Thomas RL. Use of complementary/alternative therapies among children in primary care pediatrics. Ambul Pediatr 2002;2(2):99-103.	1
12. Spiegelblatt L, Laine-Ammara G, Pless IB, Guyver A. The use of alternative medicine by children. Pediatrics. 1994;94(6 Pt 1):811-4.	1
13. Stern RC, Canda ER, Doershuk CF. Use of nonmedical treatment by cystic fibrosis patients. J Adolesc Health 1992;13(7):612-5.	1
14. Upledger JE. The relationship of craniosacral examination findings in grade school children with developmental problems. J Am Osteopath Assoc 1978;77(10): 760-776.	1
15. Vallone S, Fallon JM. Treatment protocols for the chiropractic care of common pediatric conditions: otitis media and asthma. J Clin Chiropr Ped 1997;2(1):113-5.	1
16. Verhoef MJ, Papadopoulos C. Survey of Canadian chiropractors' involvement in the tTreatment of patients under the age of 18. JCCA 1999;43(1):50-7.	1
17. Banks BD, Beck RW, Columbus M, et al. Sudden infant death syndrome: a literature review with chiropractic implications. JMPT 1987;10(5):246-52.	2
18. Breuner CC. Complementary medicine in pediatrics: a review of acupuncture, homeopathy, massage, and chiropractic therapies. Curr Probl Pediatr Adolesc Health Care 2002;32(10):353-84.	2
19. Gotlib A, Beingessner M. Annotated bibliography of the biomedical literature pertaining to chiropractic, pediatrics and manipulation in relation to the treatment of health conditions. J Can Chiro Assoc 1995;39(3):159-177.	2
20. Gottlieb MS. Neglected spinal cord, brain stem and musculoskeletal injuries stemming from birth trauma. J Manip Physiol Ther 1993; 16:537-543.	2
21. Houston R Valentine W. Complementary and alternative therapies in perinatal populations: a selected review of the current literature. J Perinatal and Neonatal Nursing 1998;12: 1-15.	2
22. Kreitz BG, Aker PD. Nocturnal enuresis: treatment implications for the chiropractor. J Manipulative Physiol Ther 1994;17(7):465-73.	2
23. Maxwell R. A survey of abstracts from a Medlars search on birth trauma . J Austr Chiropr Assoc 1983;13(1):31-3.	2
24. Panzer ED. Athletic Participation Guidelines for Children With Congenital Heart Defects: A Review of the Literature. J Sports Chiropr & Rehab 1997;11(2), 41-6.	2
25. Pistolese RA. Epilepsy and seizure disorders – a review of literature relative to chiropractic care of children. JMPT 2001;24(3):199-205.	2
26. Prax JC. Upper cervical chiropractic care of the pediatric patient-a review of the literature. JCCP 1999;4(1):257-63.	2
27. Ernst E. Serious adverse effects of unconventional therapies for children and adolescents: a systematic review of recent evidence. Eur J Pediatr. 2003 Feb;162(2):72-80.	3
28. Hondras MA, Linde K, Jones AP. Manual therapy for asthma . Cochrane Database Syst Rev 2001; 1:CD001002.	3
29. Hughes S, Bolton J. Is chiropractic an effective treatment in infantile colic? Arch Dis Child. 2002;86(5):382-4.	3
30. Leboeuf C, Ames RA, Griffith SW, Keswani S. Shoulder asymmetry and handedness in adolescents J Aust Chiropr Assoc 1988 Dec;184:122-4.	4
31. Leboeuf-Yde C, Kyvik KO. At what age does low back pain become a common problem? A study of 29,424 individuals aged 12-41 years. Spine 1998 15;23(2):228-34.	4
32. Leboeuf-Yde C, Wedderkopp N, Andersen LB, Froberg K, Hansen HS. Back pain reporting in children and adolescents: The impact of parents' educational level J Manipulative Physiol Ther 2002;25:216-220.	4
33. Rose-Aymon S, Aymon M, Prochaska-Moss G, et al. The relationship between intensity of chiropractic care and	4

the incidence of childhood diseases. <i>J Chiropractic Res</i> Spring 1989; 70-77.	
34. Ressel O, Rudy R. Vertebral subluxation correlated with somatic, visceral and immune complaints: an analysis of 650 children under chiropractic care. <i>JVSR</i> 2004;18:1-23.	4
35. Taylor DB. Foraminal encroachment syndrome in true lumbosacral spondylolisthesis: a preliminary report. <i>J Manipulative Physiol Ther</i> 1987;10(5):253-6.	4
36. Froehle RM. Ear infection: a retrospective study examining improvement from chiropractic care and analyzing for influencing factors. <i>JMPT</i> 1996;19(3):169-77.	5
37. Hayden JA, Mior SA, Verhoef MJ. Evaluation of chiropractic management of pediatric patients with low back pain: a prospective cohort study. <i>JMPT</i> 2003;26(1):1-8.	5
38. Klougart N, Nilsson N, Jacobsen J. Infantile colic treated by chiropractors: a prospective study of 316 cases. <i>J Manipulative Physiol Ther</i> 1989;12(4):281-8.	5
39. Leboeuf C, Brown P, Herman A, Leembruggen K, Walton D, Crisp TC. Chiropractic care of children with nocturnal enuresis: a prospective outcome study. <i>J Manipulative Physiol Ther</i> 1991;14(2):110-5.	5
40. Wurtz LD, Peabody TD, Simon MA. Delay in the diagnosis and treatment of primary bone sarcoma of the pelvis. <i>J Bone Joint Surg Am</i> 1999;81(3):317-25.	5
41. Yawn BP, Yawn RA, Hodge D, Kurland M, Shaughnessy WJ, Ilstrup D, et al. A population-based study of school scoliosis screening. <i>JAMA</i> 1999;282(15):1427-32.	5
42. Yawn BP, Yawn RA. The estimated cost of school scoliosis screening. <i>Spine</i> 2000;25(18):2387-91.	5
43. Zak K. Functional impairments of the vertebral column in babies and children --osteopathy and manual therapy. <i>Manuelle Medizin</i> 1995;33:147-9. (retrospective)	5
44. Blood SD, Hurwitz BA. Brain wave pattern changes in children with ADD/ADHD following osteopathic manipulation: a pilot study. <i>Am Acad Osteo J</i> 2000;10(1):19-20.	6
45. Bronfort G, Evans RL, et al. Chronic pediatric asthma and chiropractic spinal manipulation: a prospective clinical series and randomized clinical pilot study. <i>JMPT</i> 2001 ;24(6):369-77.	6
46. Brzozowske WT, Walton EV. J. The effect of chiropractic treatment on students with learning and behavioral impairments resulting from neurological dysfunction Part I. <i>Aust Chiro Assoc</i> 1980;11(7):13-18.	6
47. Brzozowske WT, Walton EV. The effect of chiropractic treatment on students with learning and behavioral impairments resulting from neurological dysfunction Part II: <i>J. Aust Chiro Assoc</i> 1980;11(8):11-17.	6
48. Giesen JM, Center DB, Leach RA. An evaluation of chiropractic manipulation as a treatment of hyperactivity in children. <i>JMPT</i> 1989;12(5):353-363.	6
49. Graham RL, Pistolese RA. An impairment rating analysis of asthmatic children under chiropractic care. <i>JVSR</i> 1997;1(4):41-8.	6
50. Koch LE, Biedermann H, Saternus KS. High cervical stress and apnoea. <i>Forensic Sci Int</i> 1998;97(1):1-9.	6
51. Koch LE, Koch H, Graumann-Brunt S, et al. Heart rate changes in response to mild mechanical irritation of the high cervical spinal cord region in infants. <i>Forensic Sci Int</i> 2002 28;128(3):168-76.	6
52. Lantz CA, Chen J. Effect of chiropractic intervention on small scoliotic curves in younger subjects: a time-series cohort design. <i>JMPT</i> 2001;24(6):385-93.	6
53. Sawyer CE, Evans RL, Boline PD, et al. A feasibility study of chiropractic spinal manipulation versus sham spinal manipulation for chronic otitis media with effusion in children. <i>J Manip Physiol Ther</i> 1999;22(5):292-8.	6
54. Schneier M; Burns R. Atlanto-Occipital hypermobility in Sudden Infant Death Syndrome. <i>Chiropractic: the J Chiropr Res Clin Investigation</i> . 1991;7(2):33-8.	6
55. Schutte BJ, Teese HM, Jamison JR. Chiropractic adjustments and esophoria—a retrospective study and theoretical discussion. <i>J Austr Chiro Assoc</i> 1989;19(4):126-128.	6
56. Stephens D, Mealing D, Pollard H, Thompson P, Bilton D, Gorman RF. Treatment of visual field loss by spinal manipulation; a report on 17 patients. <i>JNMS</i> 1998;6(2):53-66.	6
57. Balon J, Aker PD, Crowther ER, et al. A comparison of active and simulated chiropractic manipulation as adjunctive treatment for childhood asthma. <i>N Engl J Med</i> . 1998;339:1013-1020	7
58. Macias CG, Bothner J, Wiebe R. A comparison of supination/flexion to hyperpronation in the reduction of radial head subluxations. <i>Pediatrics</i> 1998;102(1):e10.	7
59. Olafsdottir E, Forshei S, Fluge G, Markestad T. Randomised controlled trial of infantile colic treated with chiropractic spinal manipulation. <i>Arch Dis Child</i> . 2001;84(2):138-41.	7
60. Reed WR, Beavers S, Reddy SK, Kern G. Chiropractic management of primary nocturnal enuresis. <i>J Manipulative Physiol Ther</i> 1994;17(9):596-600.	7
61. Straub WF, Spino MO, Alattar MM, Pflieger B, et al. The effect of chiropractic care on jet lag of Finnish junior elite athletes. <i>JMPT</i> 2001;24(3):191-8.	7
62. Wiberg J, Nordsteen J, Nilsson N. The short term effect of spinal manipulation in the treatment of infantile colic: a randomized controlled clinical trial with a blinded observer. <i>JMPT</i> 1999;22(8):517-22.	7

Pediatrics Case Series and Case Reports

Case Series (> 1 case)

	condition
1. Martin JE. Case reports: two brothers, two stories. J Clin Chiro Ped 1997;2(1):126-8.	
2. Dulhunty J. Assessing mechanical integrity of the spine using radiographic analysis. Part 2: case studies involving structural asymmetry of the pelvis. Chiro J Austr 2003;33(2):64-71.	assessment with radiology
3. Lines DH. A wholistic approach to the treatment of bronchial asthma in a chiropractic practice. Chir J Aust 1993;23(1):408. (2)	asthma
4. Gutmann G. Blocked atlantal nerve syndrome in infants and small children. Manuelle Manuelle Medizin 1987;25:5-10. (3)	atlantal nerve syndrome
5. Knutson GA. Abnormal upper cervical joint alignment and the neurologic component of the atlas subluxation complex. Chiro Res J 1997;4(1):5-9.(2)	Atlas subluxation/neuron. component
6. Lewit K, Rosina A. Manipulation under general anesthesia for acute subluxation between atlas and axis in three children. J Orthopedic Med 1995;17(3):78-83.	atlas subluxation—manipulation under anesthesia
7. Biedermann H. Kinematic imbalances due to suboccipital strain in newborns. J Man Med 1992;6:151-156.	balance
8. Shrode LW. Treatment of facial muscles affected by Bell's palsy with high voltage electrical muscle stimulation. J Manip Physiol Ther 1993;16(5):347-352. (2)	Bell's palsy
9. Collins KF, Barker C, Brantley VP, Colin R, Thornton P. The efficacy of upper cervical chiropractic care on children and adults with cerebral palsy: a preliminary report. Chiro Peds 1994;1(1):13-15. (14)	cerebral palsy
10. Hewitt EG. Chiropractic care for infants with dysfunctional nursing: a case series. J Clin Chiropr Pediatr 1999;4(1):241-4.	dysfunctional nursing
11. Young A. Developmental dyslexia associated with perinatal trauma. Clinical Chiropractic 2004;7: 5-9. (3)	dyslexia
12. Anderson-Peacock ES. Chiropractic Care of Children with Headaches: Five Case Reports. JCCP, Volume 1, Number 1, January 1996	headache
13. Leach RA. Differential compliance instrument in the treatment of infantile colic: a report of two cases. J Manip Physiol Ther 2002;25(1):58-62.	infantile colic
14. Thiel HW, Clements DS, Cassidy JD. Lumbar apophyseal ring fractures in adolescents. J Manipulative Physiol Ther 1992;15(4):250-4.(3)	apophyseal ring fracture
15. Fallon JM. The role of the chiropractic adjustment in the care and treatment of 332 children with otitis media. J Clin Chiropr Ped 1997;2(2):167-183.	otitis media
16. Fysh PN. Chronic recurrent otitis media: case series of five patients with recommendations for case management. J Clin Chiro Ped 1996;1(2):66-78.	otitis media
17. Davies NJ. Chiropractic management of deformational plagiocephaly in infants: an alternative to device-dependent therapy. Chiro J Austral 2002;32(2):52-5.	plagiocephaly
18. Mawhiney RB. Accelerated treatment protocols of the International Scoliosis Research Center on three cases of scoliosis under chiropractic care: case reports. Chiro Tech 1999;11(3):125-32.	scoliosis
19. Niesluchowski W, Dabrowska A, Kedzior K, Zagrajek T. The potential role of brain asymmetry in the development of adolescent idiopathic scoliosis: A hypothesis J Manipulative Physiol Ther 1999;22:540-4. (2)	scoliosis
20. Nykoliation JW, Cassidy JD, Arthur BE, Wedge J. An algorithm for the management of scoliosis. J Manip Physiol Ther 1986;9(1):1-14. (4)	scoliosis
21. Martel J, Cote P, Dzus A. Case reports – spondyloepiphyseal tarda. J Manip Physiol Ther 1995;18(3):165-7.	spondyloepiphyseal tarda
22. Mierau D, Cassidy JD, Yong-Hing K. Dysplastic spondylolisthesis – a report of two cases. J Can Chiro Assoc 1985;29(3):131-134.	spondylolisthesis
23. Aker, Peter S. Cassidy, J. David. Torticollis in infants and children: a report of three cases. Journal of the Canadian Chiropractic Association 1990;34(1):13-19.	torticollis
24. Bolton PS, Bolton SP. Acute Cervical Torticollis and Palmer Upper Cervical Specific Technique: A Report of Three Cases. Chiropr J Aust 1996;263:89-93.	torticollis
25. Stephens D, Gorman F, Bilton D. The step phenomenon in the recovery of vision with spinal manipulation; a report on two 13 year olds treated together. J Manip Physiol Ther 1997;20(9):628-33.	vision
26. Stephens D, Gorman F. The prospective treatment of visual perception deficit by chiropractic spinal manipulation: a report of two juvenile patients. Chiro J Aust 1996;26(3):82-8.	vision

Case Reports (single cases)

	condition
1. Hauser RR. Treatment of acromioclavicular dislocation using chiropractic protocol and rehabilitation. <i>J Sports Chiro Rehab</i> 1996;10(4):180-3.	acromioclavicular dislocation
2. Peet P. Child with chronic illness: respiratory infections, ADHD and fatigue—response to chiropractic care. <i>Chiro Peds</i> 1997;3(1):12-3.	ADHD
3. Shafirir Y, Kaufman BA. Quadriplegia after chiropractic manipulation in an infant with congenital torticollis caused by a spinal cord astrocytoma. <i>J Pediatr.</i> 1992;120(2 Pt 1):266-9.	adverse event
4. Sperry K, Pfalzgraf R. Inadvertent clavicular fractures caused by "chiropractic" manipulations in an infant: an unusual form of pseudoabuse. <i>J Forensic Sci.</i> 1990 Sep;35(5):1211-6.	adverse event
5. Manuele JD, Fysh PN. Acquired verbal aphasia in a 7 year old female – case report. <i>J Clin Chiro Ped</i> 1996;1(2):89-94.	aphasia
6. Dull MA. Bilateral avulsion fractures of the pelvic apophyses in an adolescent athlete. <i>J Sports Chiro Rehab</i> 2000;14(3):89-91.	apophyseal fracture
7. Cassidy JD, Cote P, Tibbles AC. Adolescent apophyseal ring fracture simulating lumbar disc herniation—a case report. <i>JCCA</i> 1992;36(1):11-16.	apophyseal ring fracture
8. Getzoff H, Gregory T. Chiropractic sacro-occipital technique treatment of arthrogryposis multiplex congenital. <i>Chiro Tech</i> 1996;8(2):83-87.	arthrogryposis multiplex
9. Hunt J. Upper Cervical Chiropractic Care of a Pediatric Patient with Asthma: A Case Study <i>JCCP</i> , Volume 5, Number 1, Spring/Summer 2000	asthma
10. Knutson G. Chiropractic correction of atlantoaxial rotatory fixation. <i>J Manip Physiol Ther</i> 1996;19(4):268-72.	atlas fixation
11. Frach JP, Osterbauer PJ, Fuhr AW. Treatment of Bell's palsy by mechanical force, manually assisted chiropractic adjusting and high-voltage electrotherapy. <i>JMPT</i> 1992;15(9):596-598.	Bell's palsy
12. Kessinger R, Boneva D. Bell's palsy and the upper cervical spine. <i>Chiro Res J</i> 1999;6(2):47-56.	Bell's palsy
13. Peet J. Brachial plexus injury in an infant with Down's syndrome: a case study. <i>Chiro Peds</i> 1994;1(2):11-14.	brachial plexus injury/Down's syndrome
14. Larkin-Thier SM, Hendricks CL. Chiropractic care of brachial plexus palsy – a case study. <i>Palmer J Res</i> 1994;1(2):45-47.	brachial plexus palsy
15. Knutson GA. Vectored upper cervical manipulation for chronic sleep bruxism, headache and cervical spine pain in a child. <i>JMPT</i> 2003;26(6):E16.	bruxism
16. BenElياهو DJ. Conservative management of posttraumatic cervical intersegmental hypermobility and anterior subluxation. <i>J Manip Physiol Ther</i> 1995;18(5):315-21.	cervical subluxation
17. Plaughner G, Alcantara J, Hart CR. Management of the patient with a Chance fracture of the lumbar spine and concomitant subluxation. <i>JMPT</i> 1996;19(8):539-51.	Chance fracture
18. Cuhel JM, Powell M. Chiropractic management of an infant patient experiencing colic and difficulty breastfeeding; a case report. <i>J Clin Chiro Ped</i> 1997;2(2):150-4.	colic
19. Killinger LZ, Azad A. Chiropractic care of infantile colic: a case study. <i>J Clin Chiro Ped</i> 1998;3(1):203-6.	colic
20. Pluhar GR, Schobert PD. Vertebral subluxation and colic – a case study. <i>J Chiro Res Clin Invest</i> 1991;7(3):75-6.	colic
21. BenElياهو D. Dynamic electrodiagnostic evaluation and conservative management of chronic exertional compartment syndrome of the leg – case report. <i>Chiro Sports Med</i> 1995;9(2):39-43.	compartment syndrome of leg
22. Tong V. Congenital dislocation of radial heads—a case report and literature review. <i>JNMS</i> 1996;4(1):23-9.	congenital radial head dyslocation
23. Hewitt EG. Chiropractic treatment of a 7 month old with chronic constipation – a case report. <i>Chiro Tech</i> 1993;5(3):101-103.	constipation
24. Marko SK. Case study—the effect of chiropractic care on an infant with problems of constipation. <i>Chiro Peds</i> 1994;1(3):23-4.	constipation
25. Mayer Hunt J. Upper Cervical Chiropractic Care of an Infant with Irregular Bowel Function: A Case Study <i>JCCP</i> , Volume 5, Number 1, Spring/Summer 2000	constipation
26. Mayer Hunt J. Upper Cervical Chiropractic Care and the Resolution of Cystic Hygroma in A Twelve-Year-Old Female: A Case Study <i>JCCP</i> 2000;5(1):	cystic hygroma
27. Bussieres A, Casidy J, Dzus A. Spinal cord astrocytoma presenting as torticollis and scoliosis. <i>J Manip Physiol Ther</i> 1994;17(2):113-8.	differential diagnosis of astrocytoma

28. Fallon J. Testicular torsion mimicking low back pain in a 7-year-old . JNMS 1995; 3(2):97-8.	differential diagnosis testicular torsion
29. Yochum TR, Sprowl CG, Barry MS. Double patella syndrome with a form of multiple epiphyseal dysplasia. J Manip Physiol Ther 1995;18(6):407-10.	double patella syndrome
30. Blum CL. Cranial therapeutic treatment of Down's Syndrome. Chiro Tech 1999;11(2):66-76	Down's syndrome
31. Funk SL. Osteopathic manipulative treatment and Down Syndrome. Am Acad Osteo J 2000;10(2):36-7.	Down's syndrome
32. Holtrop DP. Resolution of suckling intolerance in a 6 month old chiropractic patient. J Manip Physiol Ther 2000;23(9):615-8.	dysfunctional nursing
33. Krauss L. Case study – infants inability to breast feed. Chiro Peds 1994;1(3):27.	dysfunctional nursing
34. Sheader WE. Chiropractic management of an infant experiencing breastfeeding difficulties and colic: a case study. J Clin Chiro Ped 1999;4(1):245-7.	dysfunctional nursing/colic
35. Eldred DC; Tuchin PJ. Treatment of acute atopic eczema by chiropractic care: a case study. Australasian Chiropractic & Osteopathy 1999;8(3):96-101	eczema
36. Taylor JA, Greene-Deslauriers K, Tanaka D. Ehlers-Danlos syndrome. JMPT 1990;13(5):273-278.	Ehlers-Danlos syndrome
37. Barber VA, Ring TS. Encopresis—a case study of the response of pediatric incontinence while under chiropractic care. TICC 2002;9(1):68-72.	encopresis
38. Patterson D. Encopresis in a seven year old—a case study. Res Forum 1986 spring:79-82.	encopresis
39. Blomerth PR. Functional nocturnal enuresis. JMPT 1994;17(5):335-8.	enuresis
40. Gemmell HA. Jacobson BH. Chiropractic management of enuresis—time series descriptive design. JMPT 1989;12(5):386-9.	enuresis
41. Harris SL, Wood KW. Resolution of infantile Erb's palsy utilizing chiropractic treatment. J Manip Physiol Ther 1993;16(6):415-418.	Erb's palsy
42. Hyman CA. Chiropractic adjustments and Erb's palsy: a case study. J Clin Chiro Ped 1997;2(2):157-60.	Erb's palsy
43. Davies NJ. Chiropractic management of the acute febrile pediatric patient. J Austr Chiro Assoc 1987;17(4):126-130.	fever
44. Ellis WB, Ebrall PS. The resolution of chronic inversion and plantar flexion of the foot – a pediatric case study. Chiro Tech 1991;3(2):55-59.	foot inversion
45. Conway CM. Chiropractic care of a pediatric glaucoma patient: a case study. J Clin Chiropr Ped 1997;2(2):155-6.	glaucoma
46. Hewitt EG. Chiropractic care of a 13 year old with headache and neck pain – a case report. J Can Chiro Assoc 1994;38(3):160-162.	headache/neck pain
47. Lisi AJ, Dabrowski Y. Chiropractic spinal manipulation for cervicogenic headache in an 8 year old. JNMS 2002;10(3):98-103.	headache--cervicogenic
48. Schimp JA, Schimp DJ. The neuropathophysiology of traumatic hemiparesis and its association with dysfunctional upper cervical motion units – a case report. Chiro Tech 1992;4(3):104-107.	hemiparesis
49. Davies N. Non-communicating hydrocephalus due to congenital aqueductal stenosis in an infant presenting as an irritable baby syndrome. J Can Chiro Assoc 1995;39(2):84-8.	irritable baby syndrome
50. Hott JS, Feiz-Erfan I, Kim LJ, Rekate HL, Sonntag VK. Nonsurgical treatment of a C6-7 unilateral locked facet joint in an infant. Case report. J Neurosurg Spine. 2004 Feb;100(2):220-2.	locked facet
51. Hession EF, Donald GD. Treatment of multiple lumbar disk herniations in an adolescent athlete utilizing flexion distraction and rotational manipulation. JMPT 1993;16(3):185-92.	lumbar disk herniation
52. Kazemi M. Adolescent lumbar disc herniations in a Tae Kwon Do martial artist: a case report. JCCA 1999;43(4):236-42.	lumbar disk herniation
53. King L, Mior S, Zielonka K. Adolescent lumbar disc herniation: a case report. J Can Chiro Assoc 1996;40(1):15-18.	lumbar disk herniation
54. Zhao P, Feng TY. Protruded lumbar intervertebral nucleus pulposus in a 12-year-old girl who recovered after nonsurgical treatment: a follow-up case report. J Manipulative Physiol Ther. 1997 Oct;20(8):551-6.	lumbar disk protrusion
55. Faulkner TL, Ward LE. Duchenne muscular dystrophy – a chiropractic approach. J Chiro Res Clin Inv 1994;9(3):76-80.	muscular dystrophy
56. Alcantara J, Plaughner G, Araghi HJ. Chiropractic care of a pediatric patient with myasthenia gravis. J Manipulative Physiol Ther. 2003 Jul-Aug;26(6):390-	myasthenia gravis

57. Borregard PE. Neurogenic bladder and spina bifida occulta—a case report. JMPT 1987;10(3):122-3.	neurogenic bladder
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Expert Opinion Through 2004

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