

Ear Infections

Written by
Dr. Ari Cohn DC
Princeton Chiropractic Wellness Center
609-683-3996
www.PrincetonChiropractic.com

Antibiotics:

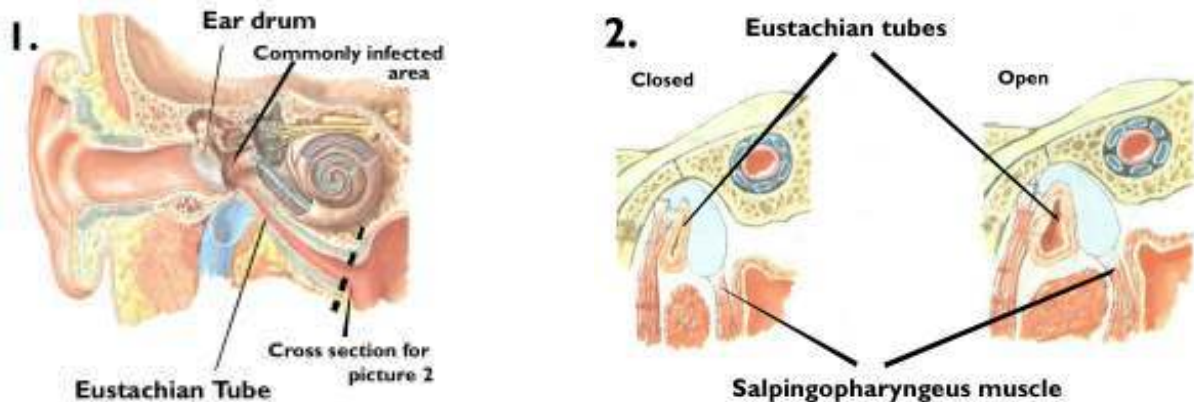
- The Journal of the American Medical Association (JAMA) and The Canadian Family Physician, a Canadian medical journal, stated that antibiotics, most commonly amoxicillin, are used in approximately 97.9% cases of ear infections and are actually needed in no more than 5-10% of the cases. ^{1,2}
- According to the Pediatric Infectious Disease Journal children taking antibiotics take longer to heal from infections and have more recurrences than children who have no intervention. ³
- The overuse and misuse of antibiotics can lead to many problems including, weakening of the immune system, contributing to the increase in resistant strains of bacteria and destruction of the natural microbial flora in the intestines (which normally aid in the digestion of food) ^{1,5,6,7,8}

Surgery:

- JAMA stated that tympanostomy (cutting the ear drum and insertion of a tube) have been shown to be unnecessary in 27-32% of the procedures performed. ⁹
- Pediatric medical journals list the side effects of these surgical procedures to include cholesteatoma (overgrowth of skin in inner ear), persistent tympanic membrane perforation (lasting hole in ear drum), tympanosclerosis (scarring of the ear drum), and up to 25% of tympanostomy tube patients have total hearing loss 7-10 years later. ^{10,11,12}
- Pediatric medical journals have also reported that 98% of children undergoing these surgical techniques have a recurrence of infections within 2 months. ^{13,14}

Chiropractic:

- Chiropractic adjustments are a safe and effective way to improve how the whole body functions and reacts to the environment. ^{15,16}
- The constant drainage of fluids in the middle ear by the Eustachian tube is crucial for middle ear health. By normalizing the functioning of the Eustachian tube and the immune system, chiropractic care helps the body quickly clear up ear infections. ^{8,17}
- Constant draining of the Eustachian tube is dependant upon the salpingopharyngeus and tensor veli palantini muscles which are controlled by the nervous system. ^{8,17}



Studies have shown that chiropractic care is beneficial for children and that there is a strong correlation between chiropractic adjustments and the resolution of ear infections. ^{4,8,10,18}

Why would a child need chiropractic care?

Parents may wonder why their child would have disturbances in his or her nervous system (subluxations) and need chiropractic care. Subluxations can be caused by the overload of physical, emotional and chemical stress (any environmental factor that causes the body to go out of equilibrium).¹⁶ A child's need for chiropractic care may be traceable as far back in life as birth.¹⁹ Even during a normal birth there is an enormous amount physical stress put on the baby's neck that may cause subluxations (malpositions of spinal bones causing interference in the nervous system).^{4,5,20,21}

Chiropractic care causes people of any age to function at their highest genetic potential and for children this means developing to their highest potential.²²

Chiropractic care gives your child a substantial advantage over any other child who is not receiving chiropractic care in all areas of life.

1. Lehnert T. Acute otitis media in children: role of antibiotic therapy. *Canadian Family Physician* 1996.
2. *Pediatric Infectious Disease Journal*, July 1987, p 635-643.
3. Cantekin Ei, McGuire TW, Griffith TL: Antimicrobial therapy for otitis media with effusion (secretory otitis media). *JAMA* 1991;266:3309-3317.
4. Fallon J. The role of chiropractic adjustment in the car and treatment of 332 children with otitis media. *Journal of Clinical Chiropractic Pediatrics* 1997; 2(2):167-183.
5. Lamm L, Ginter L. Otitis media: A conservative chiropractic management protocol. *Top Clin Chiro* 1998;5(1):18-28.
6. Bluestone CD. Eustachian tube obstruction in the infant with cleft palate. *Ann Otol Rhinol Laryngol* 1971;80:1-30. Paradise JL, Bluestone CD, Felder H. The universality of otitis media in fifty infants with cleft palate. *Pediatrics* 1969;44:35-42
7. Paradise JL, Bluestone CD, Felder H. The universality of otitis media in fifty infants with cleft palate. *Pediatrics* 1969;44:35-42
8. Froehle R. Ear infection: A retrospective study examining improvement from chiropractic care and analyzing for influencing factors. *J Manip Physiol Ther* 1996; 19(3):169-176.)
9. Kleinman LC, Kosecoff J, Dubois RW, Brook RH. The medical appropriateness of tympanostomy tubes proposed for children younger than 16 years in the United States. *JAMA* 1994; 271:1250-1255.)
10. Sawyer C, Evans R, Boline P, Branson R, Spicer A. A feasibility study of chiropractic spinal manipulation versus sham spinal manipulation for chronic otitis media with effusion in children. *J Manipulative Physiol Ther* 1999;22(5):292-298.
11. Kilby D, Richards SH, Hart G. Grommets and glue ears: two year results. *J laryngol otol* 1972;86:881-888.
12. Balkany TJ, Arnberg IK, Steenerson RL. Ventilation tube surgery and middle ear irrigation. *Laryngoscope* 1986;96:529-32.)
13. Van Cauwenberg P. The long term results of the treatment with transtympanic ventilation tubes in children with chronic secretory otitis media. *Int J Pediatr Otorhinolaryngol* 1979:109-116.
14. Mackeinnon KM. The sequel to myringotomy for exudative otitis media. *J Laryngol Otol* 1971; 85:773-794.)
15. Cohn A. A review of the literature regarding stroke and chiropractic. *JVSR* 2001;4(3):42.
16. Kent C. Models of vertebral subluxation: a review. *JVSR* 1996;1(1):1-17.
17. Hendricks CL, Larkin-Their SM. Otitis media in young children. *Chiro J Chiro Res Stud Invest* 1989; 2:9-13.
18. Froehle RM. Ear infection: a retrospective study examining improvement from chiropractic care and analyzing for influencing factors *J Manipulative Physiol Ther* 1996; 19:169-177.
19. Prax J. Upper cervical chiropractic care of the pediatric patient: A review of the literature *Journal of Clinical Chiropractic Pediatrics* 1999; 4:257-263.
20. Yochum T. *Essentials of Skeletal Radiology*. Baltimore: Williams & Wilkins, 1996; 197-210.
21. Lupin AJ. The relationship of the tensor tympani and tensor palati muscles. *Ann Otol Rhinol Laryngol* 1969; 79:792-796.
22. Pero R. Chiropractic research project, Wallenberg Laboratories, University of Lund, Lund Sweden, February 22, 1989.