

Cervical Radiograph of a Patient with Cervicogenic Dizziness

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Clinical Image

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This is a cervical X-ray of a patient suffering from long term dizziness and associated neck pain and stiffness. The X-ray showed that the C1 cervical vertebrae were in a rotated position (Figure 1).



Figure 1: Cevicogenic dizziness.

In some cases of dizziness, one of the causes can be attributed to pathology or dysfunction of upper cervical spine [1-3]. Poor head and

neck posture and mal-aligned upper cervical spine may cause a decreased vertebrobasilar blood flow and contribute to dizziness [4,5]. This form of dizziness can be diagnosed as cervicogenic dizziness. There is a strong correlation in the improvement in the neck symptoms and dizziness [6].

References

- 1. Brandt T, Bronstein AM (2001) Cervical vertigo. J Neurol Neurosurg Psychiatry 71: 8-12.
- Heikkila H, Johansson M, Wenngren BI (2000) Effects of acupuncture, cervical manipulation and NSAID therapy on dizziness and impaired head repositioning of suspected cervical origin: a pilot study. Man Ther 5: 151-157.
- Wrisley DM, Sparto PJ, Whitney SL, Furman JM (2000) Cervicogenic dizziness: a review of diagnosis and treatment. J Orthop Sports Phys Ther 30: 755-766.
- 4. Biesinger E (1988) Vertigo caused by disorders of the cervical vertebral column. Diagnosis and treatment. Adv Otorhinolaryngol 39: 44-51.
- Fitz-Ritson D (1991) Assessment of cervicogenic vertigo. J Manipulative Physiol Ther 14: 193-198.
- 6. Shum G, Whittingham W, Cinnamond S (2013) Evaluation of a course of cervical adjustments in treating cervicogenic dizziness. Conference Proceedings of European Chiropractors Union Convention.