

Pediatric cervical spine

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A roentgenographic study of the supposedly normal [cervical spine](#) in 40 [children](#) was reported. At the upper cervical level, the validity of the criteria in the literature (especially the atlantodental distance on the lateral view) was confirmed, and an upper limit was determined for children. A study of the atlantoaxial relationship on the anteroposterior view in a neutral position and in a lateral position was performed. At the lower cervical level, measurements according to Penning (Am J Roentgenol 1978;30:317-26) and Cattell and Filtzer (J Bone Joint Surg [Am] 1965;47:1295-308) were applied to children and compared level by level at each age. This study allows a better comprehension of the mobility of the cervical spine in children and offers an explanation for suspicious roentgenographic features after trauma ¹⁾.

¹⁾

Pennecot GF, Gouraud D, Hardy JR, Pouliquen JC. Roentgenographical study of the stability of the cervical spine in children. J Pediatr Orthop. 1984 May;4(3):346-52. PubMed PMID: 6736240.

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Last update: **2025/03/30 11:30**

