

# Cervicomedullary junction

Cervicomedullary junction (CMJ), as the name implies is the region where the brainstem continues as the [spinal cord](#). A lesion located in this region affects either the [brainstem](#) or cervical [cord](#) or both depending on its extent and pathology.

The Cervicomedullary junction CMJ reliably lies 3.4 mm ( $\pm 0.9$  mm) caudal to the inferior border of the olive and 6.4 mm ( $\pm 1.3$  mm) caudal to the obex. Awareness of this anatomic relationship readily allows recognition of abnormalities of the position of the CMJ with routine imaging <sup>1)</sup>.

<sup>1)</sup>

Middlebrooks EH, Yagmurlu K, Bennett JA, Bidari S. Normal relationship of the cervicomedullary junction with the obex and olivary bodies: a comparison of cadaveric dissection and in vivo diffusion tensor imaging. Surg Radiol Anat. 2014 Oct 16. [Epub ahead of print] PubMed PMID: 25318624.

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