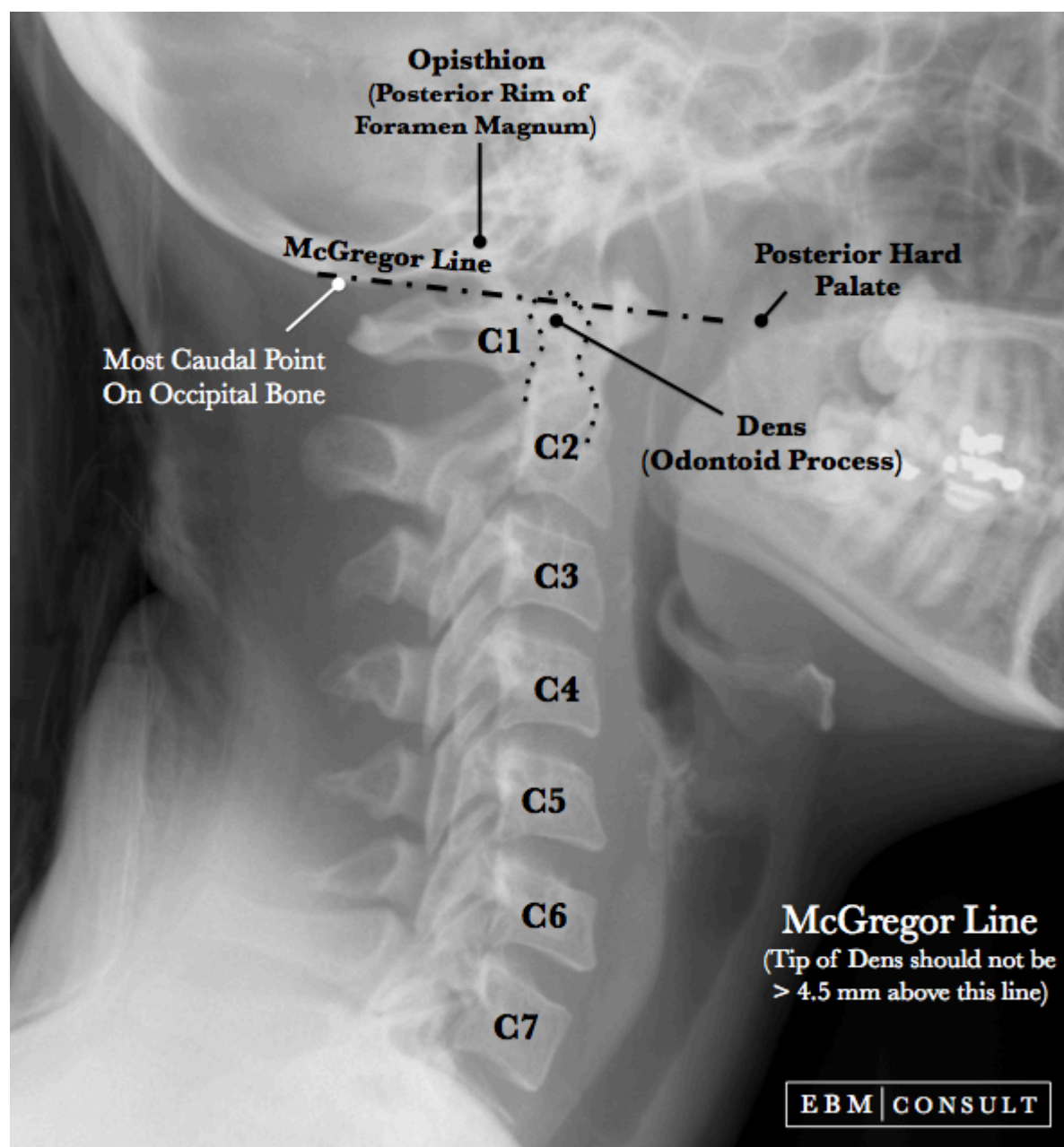


McGregor's line

The McGregor line is a modification of the [Chamberlain's line](#) and is used in the evaluation of [basilar invagination](#) when the [opisthion](#) is not identified on plain [radiography](#).

It refers to a line connecting posterior edge of the [hard palate](#) to the most caudal point of the occipital curve. If the tip of the [dens](#) lies more than 4.5 mm above this line it is indicative of [basilar invagination](#).



http://www.ebmconsult.com/content/images/Xrays/McGregor_Line.png

The slope of the line of sight and [McGregor's line](#) (McGS) correlated strongly with [Chin brow vertical angle](#) (CBVA) and can be used as surrogate measures. The range of values for these measures corresponding to low disability was identified. These values can be used as a general [guideline](#) to assess alignment for diagnostic purposes. Cervical compensatory mechanism may modify the natural head position in sagittally misaligned patients ¹⁾.

1)

Lafage R, Challier V, Liabaud B, Vira S, Ferrero E, Diebo BG, Liu S, Vital JM, Mazda K, Protopsaltis TS, Errico TJ, Schwab FJ, Lafage V. Natural Head Posture in the Setting of Sagittal Spinal Deformity: Validation of Chin-Brow Vertical Angle, Slope of Line of Sight, and McGregor's Slope With Health-Related Quality of Life. *Neurosurgery*. 2016 Jul;79(1):108-15. doi: 10.1227/NEU.0000000000001193. PubMed PMID: 26702836.

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