

Cervical Spine Sagittal Balance Parameters

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The [Cervical spine sagittal balance parameters](#) are divided into 3 groups:

Occipitocervical parameters

[C0-2 Cobb angle](#)

Cervical sagittal shape and alignment

Measuring [C1-C2 sagittal Cobb angle](#) and [C2-C7 angle](#), and segmental angulation between surgically treated cervical segments with the [Cobb angle](#) method

Cervical sagittal balance parameters

[T1 slope](#) and [C2-C7 sagittal vertical axis](#). Those parameters, are the more consistent ones reported in the literature ¹⁾

Poblete et al. found a significant correlation between postoperative clinical status (cervical [Visual analog scale](#) score) and postoperative [C2-C7 sagittal vertical axis](#), suggesting that the cervical [angulation](#) and [alignment](#) are as important factors as the [cervical sagittal balance](#) in obtaining a satisfactory clinical outcome ²⁾.

Neck Tilt

[Neck Tilt](#)

Thoracic inlet angle

[Thoracic inlet angle](#).

Lumbar spine angles

see [Lumbar spine angles](#)

1)

Ling FP , Chevillotte T , Leglise A , Thompson W , Bouthors C , Le Huec JC . Which parameters are relevant in sagittal balance analysis of the cervical spine? A literature review. european spine journal: official publication of the european spine society, the european spinal deformity society, and the european section of the cervical spine research society. Feb. 2018;27(Suppl 1):8-15.

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2)

Poblete J, Martinez-Anda JJ, Rebollar-Mendoza AA, Castro-Moreno Y, Torne R, Reyes L, Fuster S, Tornero E, Arch-Tirado E, Leo-Vargas R, Combalia A, Enseñat J. Clinical and Radiological Outcome in a Series of Patients Treated by Anterior Cervical Discectomy and Fusion: Retrospective Controlled Study With 2 Different Stand-Alone Cages. Int J Spine Surg. 2022 Aug 19:8351. doi: 10.14444/8351. Epub ahead of print. PMID: 35985833.

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