

Maxilla

The maxillae (plural: maxillae /mæk'sɪli:/) consist of upper palate of mouth or maxilla (/mæk'sɪlə/); or two halves that are fused at the intermaxillary suture to form the upper jaw. This is similar to the mandible (lower jaw), which is also a fusion of two halves at the mandibular symphysis.

Tripathi et al., describe fixation at the [maxilla](#) for [spinal radiosurgery](#).

They have treated two patients at the [upper cervical spine](#) up to C3 [cervical vertebra](#) by fixing anterior pillars of the [Leksell stereotactic system](#) at the maxilla. To ensure cervical immobilisation and precision of treatment, the neck was immobilised with a [Philadelphia collar](#). The relative position between the head and sternum with the couch from image acquisition to the radiation delivery was kept constant. Docking angle was kept neutral (90 degrees) throughout the treatment (from image acquisition to actual treatment).

The maxilla is a potential alternative for [stereotactic frame](#) fixation. Measures to ensure cervical immobilisation with lower-down frame position permits treatment of lesions as low as C3 vertebra ¹⁾.

¹⁾

Tripathi M, Kumar N, Mukherjee KK. Pushing the limits of the Leksell stereotactic frame for spinal lesions up to C3: fixation at the maxilla. Acta Neurochir (Wien). 2016 Sep;158(9):1691-5. doi: 10.1007/s00701-016-2878-1. Epub 2016 Jun 30. PubMed PMID: 27364894.

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Last update: **2024/06/07 02:58**

