

Upper cervical spine fracture

[Atlas fracture](#) and [axis fracture](#) are complex and surgical management may be difficult and challenging due to the anatomical relationship between the [vertebra](#) and neurovascular structures. The use of a [navigation](#) system based on an [intraoperative computed tomography](#) allows a real-time visualization of the [vertebrae](#), reducing the risks of [screw misplacement](#) and consequent [complications](#) ¹⁾.

Classification

[AO Spine Upper Cervical Injury Classification System](#).

¹⁾

Costa F, Ortolina A, Attuati L, Cardia A, Tomei M, Riva M, Balzarini L, Fornari M. Management of C1-2 traumatic fractures using an intraoperative 3D imaging-based navigation system. J Neurosurg Spine. 2015 Feb;22(2):128-33. doi: 10.3171/2014.10.SPINE14122. Epub 2014 Nov 21. PubMed PMID: 25415483.

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