

Intrinsic brainstem tumor treatment

[Operative management](#) of [intrinsic brainstem tumors](#) remains challenging despite advances in electrophysiological monitoring, neuroimaging, and neuroanatomical knowledge. Surgical intervention in this region requires detailed knowledge of adjacent critical [white matter tracts](#), [brainstem nuclei](#), brainstem vessels, and risks associated with each surgical [approach](#).

[Midline Pontine Splitting Approach](#)

The aim of Mukherjee et al. was to systematically verify internal anatomy associated with each [brainstem safe entry zones](#) (BSEZ) via neuroimaging modalities commonly used in pre-operative planning, namely high-resolution magnetic resonance imaging (MRI) and diffusion tensor tractography (DTT).

see [Brainstem safe entry zones](#).

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