

Shreveport

Shreveport is the third largest city in the state of [Louisiana](#)

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Recent publications

First 1,000 Cases of Gamma knife radiosurgery for Various Intracranial Disorders in LSU Health-Shreveport: Radiological and Clinical Outcome.

A retrospective review (2000-2013) of 1,017 radiosurgeries in 911 patients with various intracranial lesions including vestibular schwannoma (82), meningioma (136), metastatic brain tumors (298), astrocytoma (49), pituitary neuroendocrine tumor (92), arteriovenous malformation (85) and trigeminal neuralgia (169).

GKRS in different intracranial lesions showed significant variations in outcome and complications. Overall, the local tumor growth control for benign and malignant tumors was 89 percent and 70 percent respectively. The rate of obliteration of arteriovenous malformation nidus was 79 percent. The complete and partial relief of pain in the patients with trigeminal neuralgia was 55.6 percent and 22.4 percent respectively.

At recent follow-up, GKRS showed good control of different tumor growth, obliteration of AVM nidus and remission of trigeminal neuralgia pain, good overall and progression free survival rate, possible preservation of neurological functions, lesser number of complications, and improvement of quality of life. Therefore, GKRS is an important treatment option for patients with different benign intracranial tumors, AVM and trigeminal neuralgia. However, GKRS is not effective for recurrent malignant tumors in the brain ¹⁾.

¹⁾

Huda S, Bir SC, Ward T, Bollam P, Nanda A. First 1,000 Cases of Gamma Knife Surgery for Various Intracranial Disorders in LSU Health-Shreveport: Radiological and Clinical Outcome. J La State Med Soc. 2015 Mar-Apr;167(2):54-65. Epub 2015 Apr 15. PubMed PMID: 25978054.

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