

Evidence Discussion

Gasserian and Trigeminal Ablation Procedure

One of the common methods of treating trigeminal neuralgia (TN) nowadays is radiofrequency therapy of the gasserian ganglion through the foramen ovale of the skull.

Risks include variable degrees of sensory deficit, non-debilitating unilateral reversible motor weakness of the jaw, keratitis due to unintentional loss of corneal reflex and subsequent ipsilateral loss of vision. (1) It is crucial to select optimal radiofrequency ablation parameters to make this procedure safe with favorable outcomes in patients with a cardiac pacemaker because of electromagnetic interference. (2)

References

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2. Sufianov A, Garifullina N, Shapkin A, Markin E, Baldoncini M, Borba L, Encarnacion Ramirez M, Sufianov R. Bipolar, high-voltage, long-duration pulsed radiofrequency ablation of the Gasserian ganglion for the treatment of trigeminal neuralgia in a patient with a cardiac implantable electronic device: illustrative case. J Neurosurg Case Lessons. 2024 Jan 22;7(4):CASE23495.