

Drug-resistant epilepsy treatment

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Epilepsy Surgery

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Magnetic resonance image-guided laser interstitial thermal therapy for epilepsy

[Magnetic resonance image-guided laser interstitial thermal therapy for epilepsy](#).

[Magnetic Resonance Imaging](#) guided [Laser Interstitial Thermal Therapy](#) is a promising [drug-resistant epilepsy treatment](#) (DRE) and an alternative to open surgery. However, the relationship between clinical and radiological factors and postoperative outcomes is unclear. MRlgLITT is a safe, minimally invasive alternative for [epilepsy surgery](#), offering quicker recovery and showing better performance preserving [cognitive function](#). It is particularly effective for deep or complex [epileptic focus](#) and patients who might refuse open surgery ¹⁾.

¹⁾

Infante N, Conesa G, Pérez-Enríquez C, Capellades J, de Oliveira LP, Vilella L, Principe A, Del Mar Crespi-Vallespir M, Gallardo-Mir M, Rocamora R. MRI-guided laser interstitial thermal therapy in epilepsy: indications, technique and outcome in an adult population. A single-center data analysis. Acta Neurochir (Wien). 2025 Feb 8;167(1):39. doi: 10.1007/s00701-025-06429-3. PMID: 39921741.

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