Anterior two-thirds corpus callosotomy via stereotactic laser ablation

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Anterior two-thirds corpus callosotomy is a common palliative surgical intervention most commonly employed in patients with atonic or drop seizures. Recently, stereotactic laser ablation of the corpus callosum without a craniotomy has shown promise in achieving similar outcomes with fewer side effects and shorter hospitalizations. The authors demonstrate ablation of the anterior two-thirds corpus callosum in a patient with Lennox-Gastaut syndrome and drug-resistant drop seizures. Technical nuances of laser ablation with 3 laser fibers are described. Postoperatively, the patient showed a significant reduction in seizure frequency and severity over a 9-month follow-up period.

The video can be found here: <https://youtu.be/3-mMq5-PLiM>.

KEYWORDS LITT; laser interstitial thermal therapy; corpus callosotomy; Lennox-Gastaut syndrome; drop attacks; epilepsy

SUBMITTED January 12, 2018. **ACCEPTED** February 19, 2018.

INCLUDE WHEN CITING Published online April 1, 2018; DOI: <http://thejns.org/doi/abs/10.3171/2018.4.FocusVid.17721>.

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