Anterior two-thirds corpus callosotomy via stereotactic laser ablation

Michael Karsy, MD, PhD, Daxa M. Patel, MD, Kyle Halvorson, MD, Vance Mortimer, AS, and Robert J. Bollo, MD

Department of Neurosurgery, Division of Pediatric Neurosurgery, University of Utah School of Medicine, and Primary Children's Hospital, Salt Lake City, Utah

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.

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