

Let's talk possibility

for your **epilepsy patients**

Visualase™ MRI-Guided Laser Ablation

Laser Interstitial Thermal Therapy (LITT)



What is Visualase™ MRI-guided laser ablation?

Visualase[™] is an MRI-quided laser ablation system used to perform Laser Interstitial Thermal Therapy (LITT), a minimallyinvasive surgical option to ablate epileptic foci in the brain. This option can help expand treatment possibilities for your medically-refractory focal epilepsy patients.

For many patients, LITT is better tolerated than open craniotomy. 1-5 And with a significantly shorter recovery time, 5,6 LITT patients can more quickly get back to their lives. Because less time in the hospital is more time for living.



Visualase[™] vs Craniotomy

hospital stay¹

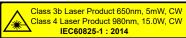
recovery time⁶

week

30-day readmission rate^{7,8}

0%

13.9%



DANGER
VISIBLE AND INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO DIRECT OR
SCATTERED RADIATION

Medtronic Navigation, Inc.

826 Coal Creek Circle Louisville, Colorado 80027 USA

Main: (720) 890-3200 Fax: (720) 890-3500 Technical Support: 1 (800) 595-9709

medtronic.com/visualase

Is Visualase™ right for my patient?

Find out more about Visualase™ MRI-Guided laser ablation, including technology and indications at medtronic.com/visualase.

How can I refer my patient for a Visualase[™] procedure?

Become part of the Visualase[™] community. Scan this QR code to sign up to speak with your local Medtronic rep. We can answer your questions and help you connect with neurosurgeons who perform Visualase™ procedures in your area.



- 1. Petito GT, Wharen RE, Feyissa AM, Grewal SS, Lucas JA, Tatum WO. The impact of stereotactic laser ablation at a typical epilepsy center. Epilepsy Behav. 2018;78:37-44. doi:10.1016/j.yebeh.2017.10.041
- 2. Grewal SS, Alvi MA, Lu VM, et al. Magnetic Resonance-Guided Laser Interstitial Thermal Therapy Versus Stereotactic Radiosurgery for Medically Intractable Temporal Lobe Epilepsy: A Systematic Review and Meta-Analysis of Seizure Outcomes and Complications. World Neurosurg. 2019;122:e32-e47. doi:10.1016/j.wneu.2018.08.227

 3. Youngerman BE, Save AV, McKhann GM. Magnetic Resonance Imaging-Guided Laser Interstitial Thermal Therapy
- for Epilepsy: Systematic Review of Technique, Indications, and Outcomes. Neurosurgery. 2020;86(4):E366-E382. doi:10.1093/neuros/nyz556
- $4.\ Youngerman\ BE,\ Oh\ J\acute{Y},\ Anbarasan\ D,\ et\ al.\ Laser\ ablation\ is\ effective\ for\ temporal\ lobe\ epilepsy\ with\ and\ without$ mesial temporal sclerosis if hippocampal seizure onsets are localized by stereoelectroencephalography. *Epilepsia*. 2018;59(3):595-606. doi:10.1111/epi.14004
- 5. Waseem H, Osborn KE, Schoenberg MR, et al. Laser ablation therapy: An alternative treatment for medically resistant mesial temporal lobe epilepsy after age 50. *Epilepsy Behav*. 2015;51:152-157. doi:10.1016/j.yebeh.2015.07.022
- 6. Kang JY, Wu C, Tracy J, et al. Laser interstitial thermal therapy for medically intractable mesial temporal lobe epilepsy. Epilepsia. 2016;57(2):325-334. doi:10.1111/epi.13284
- 7. Landazuri P, Shih J, Leuthardt E, et al. A prospective multicenter study of laser ablation for drug resistant epilepsy One year outcomes. *Epilepsy Res.* 2020;167:106473. doi:10.1016/j.eplepsyres.2020.106473
 8. Moghavem N, Morrison D, Ratliff JK, Hernandez-Boussard T. Cranial neurosurgical 30-day readmissions by clinical indication. *J Neurosurg.* 2015;123(1):189-197. doi:10.3171/2014.12.JNS14447

Caution: Federal Law (USA) restricts these devices for sale by or on the order of a physician. Refer to product instruction manual/package insert for instructions, warnings, precautions, and contraindications. Healthcare professionals must review the product technical manual prior to use for detailed disclosure. For information on Indications, Safety, and Warnings, call Medtronic at (800) 328-0810. For further information, please contact Medtronic Neurosurgery at (877) 242-9504, and/or consult Medtronic's website at www.medtronic.com.

Healthcare professionals must review the product technical manual prior to use for detailed disclosure. For information on Indications, . Safety, and Warnings, call Medtronic at (877) 242-9504, or visit Medtronic's website at www.medtronicneurosurgery.com.

UC202210268a EN

©2022 Medtronic. All rights reserved. Medtronic, Medtronic logo and Engineering the extraordinary are trademarks of Medtronic. All other brands are trademarks of a Medtronic company.

