Technical nuances to minimize common complications of deep brain stimulation

Paul House, MD

Department of Neurosurgery, University of Utah, Salt Lake City, Utah

The implantation of deep brain stimulator electrodes is associated with infrequent complications. These complications are consistent across prospective trials and include infection, skin erosion, hemorrhage, and lead misplacement. Nuances of surgical technique can be used to minimize the risk of these commonly noted complications. Several of these technical nuances are highlighted in this video submission.

The video can be found here: <https://youtu.be/GL09W9p013g>.

KEYWORDS deep brain stimulation; complications; technique

SUBMITTED December 14, 2016. **ACCEPTED** January 19, 2017.

INCLUDE WHEN CITING Published online April 1, 2017; DOI: <http://thejns.org/doi/abs/10.3171/2017.4.FocusVid.16538>.

CORRESPONDENCE Paul A. House, Department of Neurosurgery, Clinical Neurosciences Center, University of Utah, 175 N Medical Drive East, Salt Lake City, UT 84132. email: paul.house@hsc.utah.edu.