ONLINE ONLY Supplemental material

MRI-guided stereotactic laser corpus callosotomy for epilepsy: distinct methods and outcomes Rich et al. https://thejns.org/doi/abs/10.3171/2020.7.JNS20498

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Single-site workflow: **Direct MRI guidance platform (Clearpoint)**

MR imaging with scalp fiducials over anticipated entries

(scalp) to prior CT and MR imaging ົ OR Percutaneously affix frontal and parietal guidance Stereotactic drilling, insertion of frames at locations anticipating 2-4 trajectories laser fibers, intraoperative CT imaging confirmation MR imaging for confirmation of entry and alignment of frames to desired trajectories Patient transfer difficult and reposition Stereotactic drilling, frame realignment, insertion of laser fibers, MR imaging confirmation suite MR imaging confirmation easy LITT with MR thermography **N**R Diagnostic LITT with MR thermography Move or realign frames to additional trajectories Final anatomic MR imaging Final anatomic MR imaging

Supplemental Figure. Comparison of alternative workflows for SLCC. Right: Direct MRI-guided technique utilizing Clearpoint platform and software. Left: Robot-assisted technique utilizing ROSA. Note the requirement to transport the patient between sites (OR to MRI) for the robot-assisted technique.

Multi-site workflow: **Stereotactic surgical robot (ROSA)**

Co-register stereotactic space