Use of systematic stimulation mapping and functional/structural imaging to improve localization of seizure onset in patients with drug-resistant epilepsy

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Methods
A) Case 2 electrodes mapped in 3D space in BioImage Suite Electrode Editor. B) Patient-specific cortical segmentation generated by FreeSurfer. C) Cortical areas in Patient A are different from Patient B. D) SEEG patient data as collected by neurologist.

BioImage Electrode Mapping Results (cont.)

Figure 5 – 3D BioImage Suite electrode mapping results developed for a patient’s target. A) A 3D image of the patient’s target. B) A 3D image of the patient’s target with the electrode locations indicated. C) A 3D image of the patient’s target with the electrode locations indicated and the neuroanatomical context that would illustrate a patient’s epileptic foci.