Patient-Specific Epilepsy Network Modeling Softwar

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Technology description

USF inventors created a method that automatically processes EEG and MRI data to create a patient-specific 3D image that could be used to more precisely identify surgical candidates. The 3D image could also help to create a targeted surgical plan for those patients. This automatic mapping shows the patient's unique brain network and is the first available of this kind. This software could drastically increase the success of resective neurosurgery for epilepsy patients.

Researchers at the University of South Florida have created software to model patient's brain networks for use in predicting how patients will respond to neurosurgery.

Institution

University of South Florida

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