

Subdural grid vs. Seeg: is one better than the other?

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Background: Stereoencephalography (SEEG) gained resurgence in use for localizing the focus for epilepsy surgery. Being technically distinct from subdural EEG and requiring separate equipment and skills, questions have been raised regarding the comparative usefulness and roles between the two techniques. Objectives: 1) to identify the advantages and limitations of each technique for seizure localization; 2) to know the need for hypothesis-driven strategy when considering each technique; 3) To recognize the importance of concordance among non-invasive test results in guiding the site of electrode implantation with either technique. Description: In the absence of published studies that had compared the two techniques in a controlled manner, the format of case analysis will be used to assess the option of SEEG vs. subdural EEG. The audience will be engaged to provide the reasoning that guide each step in selecting and implanting either SEEG or subdural electrodes, or both. Postsurgical outcome in each case will be discussed to demonstrate, if not to validate, the decisions made.