



Figure 1. Building a Virtual Implantation using MEG and EEG data. (A) Example of intracranial EEG (icEEG) implantation with both subdural and depth electrodes on the left temporal and frontal lobe of a 12-year-old boy. (B) Placement of the VSs based on the coordinates of the icEEG electrodes (matched locations). A ROI for each VS was defined around the center of the icEEG contact in the patient's MRI volume. Non-overlapping ROIs up to 10 mm from the contact center were defined for subdural contacts (light blue ROIs) and 5 mm for depth contacts (yellow ROIs). (C) Reconstruction of the VS signal (time-series): mean activity of each ROI (or VS) across time, reconstructed based on the data recorded by the real MEG or EEG sensors.