



Figure 2. Anatomic overlap between ISA dipoles and surgical resections/disconnections (Patients 1 and 5). (Rows 1-3) PRE-operative MRI (T1) images with 0 to 10 seconds post-onset ISA dipole interpolations for three seizures individually. (Row 4) PRE-operative MRI (T1) images with 0 to 10 second post-onset ISA dipole interpolations averaged across all three seizures. Areas of relative positivity (+) are red and those of relative negativity (-) are blue. (Row 5) POST-operative MRI (MPRAGE) images selected to correspond anatomically to the images in Row 4. (Row 6) INTRA-operative MRI (T2 or T1, Patient 1) or POST-operative MRI (MPRAGE, Patient 5) images selected to best demonstrate the surgical resection/disconnection.