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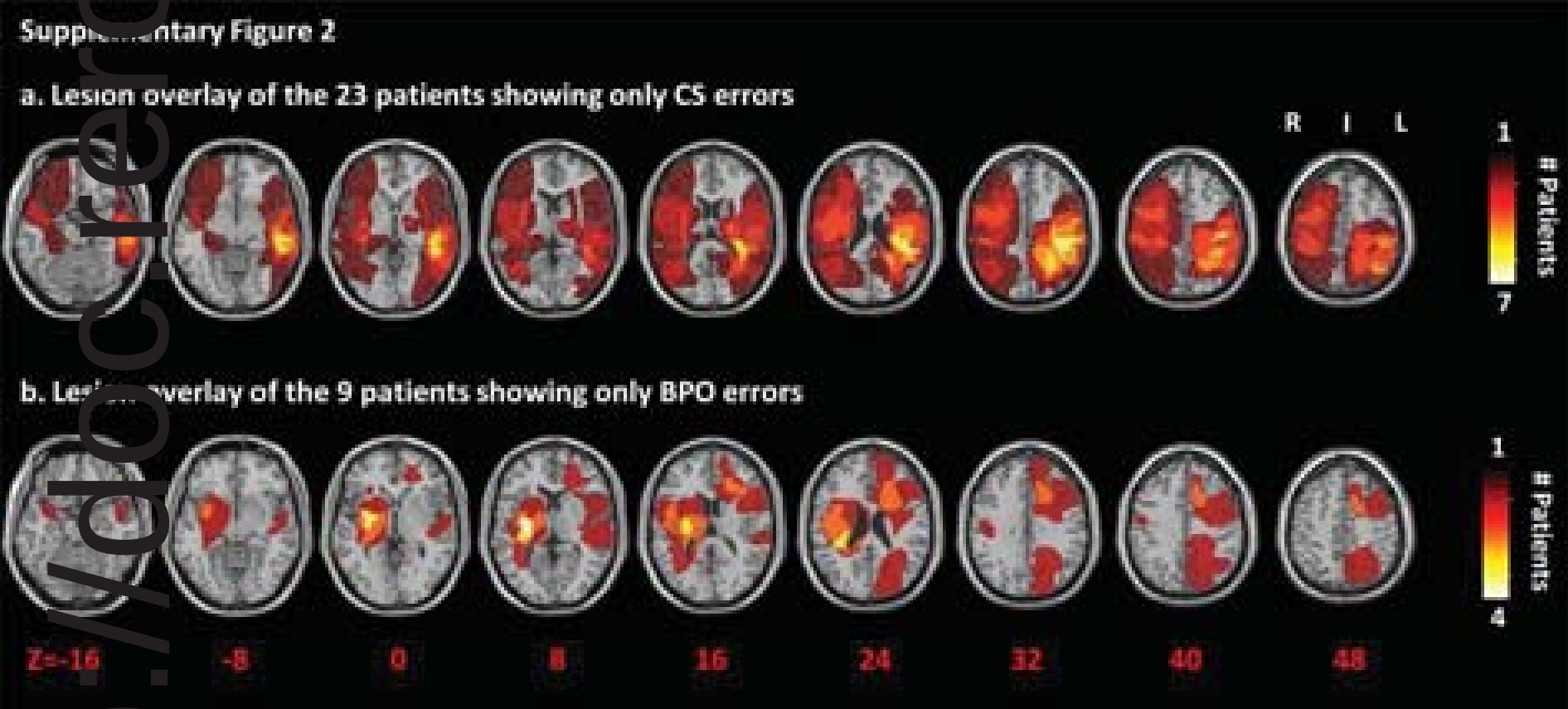
Suppl. Figure 1. **a**. Overlap lesion plot of the 150 patients. The number of overlapping lesions is coded with colors ranging from dark red (n=1) to light yellow (n=25 patients). **b**. Overlap lesion plot of patients with impaired pantomime. **c**. Voxel-based lesion-symptom mapping on the patients shows the relationship between performance in pantomime and brain lesions. Colors displayed at each voxel code for the values of the results of the t-tests between patients in whom the corresponding voxel is intact versus damaged. Only voxels significant at p<.01 FDR corrected are color-coded ranging from red to white. Configural/spatial errors were associated with lesions to the inferior parietal and angular gyri, post-central and supra marginal and portions of the underlying white matter. **d**. Body part as object errors are associated to lesions of the left middle and inferior frontal gyri and the rolandic inferior frontal opercula and the underlying white matter mainly including the superior longitudinal fasciculus. Lesions to left inferior frontal gyrus predicted the occurrence of both error types. Brain slices are displayed from z-coordinates -16 to 48 of the MNI space.

Suppl. Figure 2. Voxel-based lesion-symptom mapping of the patients showing the double dissociation between CS and BPO errors. **a.** Overlap lesion plot of the 23 patients showing only CS errors and no associated BPO errors. The number of overlapping lesions is coded with colors ranging from dark red (n=1) to light yellow (n=7 patients). **b**. Overlap lesion plot of the 9 patients showing only BPO errors and no associated CS errors. The number of overlapping lesions is coded with colors ranging from dark red (n=1) to light yellow (n=4 patients).

Suppl. Figure 3. Distribution of pantomime error types as a function of lesion sites, error types and aphasia. The percentage of patients with at least one error are reported in this bar graph. Right brain-damaged (RBD) patients are reported in blue, left brain-damaged patients (LBD) without aphasia are reported in red and LBD with aphasia are reported in green. CS: Configural/Spatial error; BPO: Body Part as Object error.

Supplementary Figure 1

Supplementary Figure 2



Supplementary Figure 3