

Supplementary Table S1. Sub-lobar regions. Each source was localised in one of the following sub-lobar regions. If the result of ESI showed multiple sources or was not clear, source location was defined as “non-localizable/diffuse” (if possible, right/left descriptors were added). If the source was located on the border of a clear lesion or cavity, the location was defined as “perilesional”

Region	Side	Sub-region
frontal	left/right	perisylvian-superior surface / operculum lateral mesial polar orbitofrontal
temporal	left/right	mesial polar basal lateral-anterior lateral-posterior perisylvian-inferior surface / opercular
central	left/right	lateral convexity mesial central sulcus – anterior surface central sulcus – posterior surface
parietal	left/right	perisylvian-superior surface / opercular lateral-convexity mesial
occipital	left/right	perisylvian-superior surface / opercular lateral mesial basal
insular	left/right	na
non-localizable / diffuse	left/right	na
non-localizable / diffuse	na	na
perilesional	na	na

Supplementary table legend 1. na: not applicable.