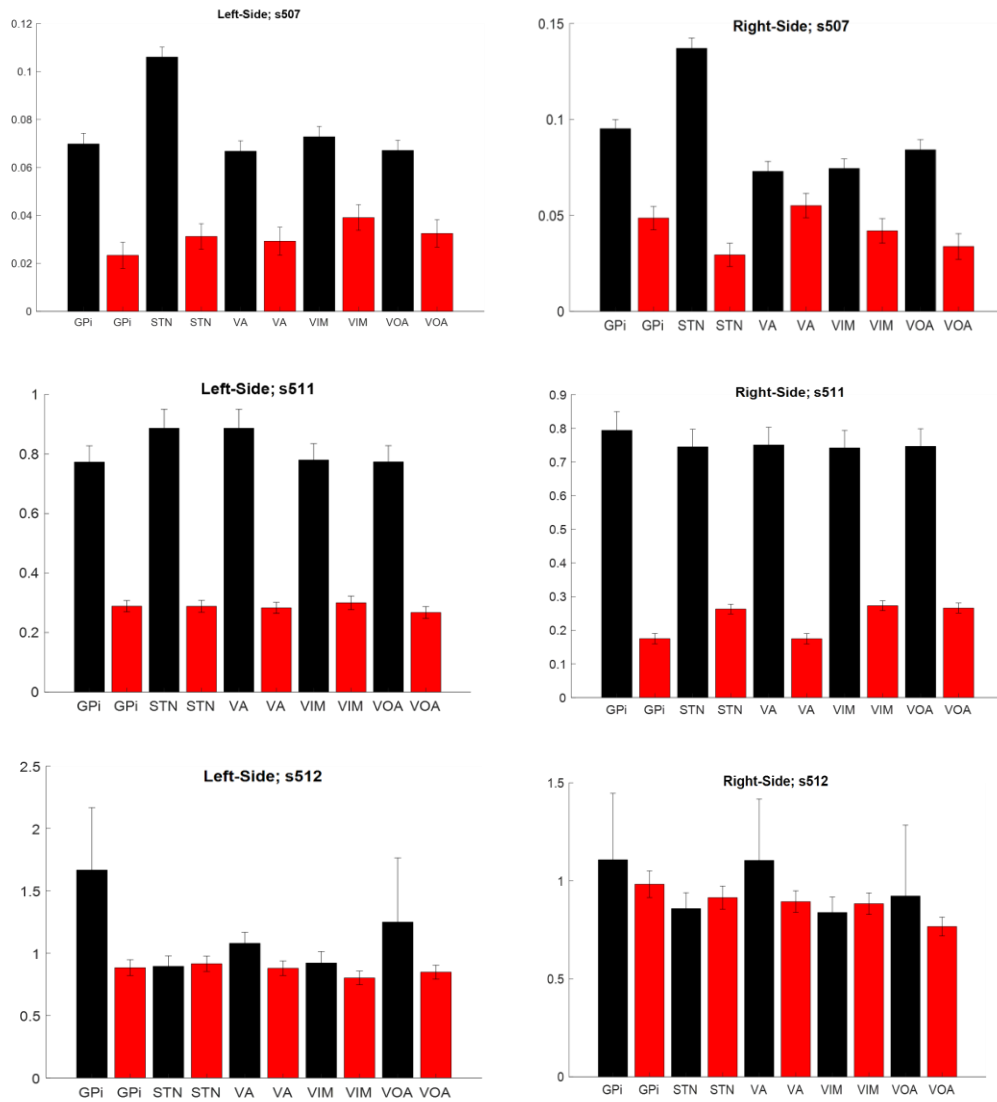


Supplementary material



S1. Bar graphics depict the average and standard deviation of the PSD amplitudes between both conditions, benzodiazepine ON (red bars) versus benzodiazepine OFF (black bars), for each brain region from 1 to 50 Hz in each patient. There is significant difference between both conditions ($p < 0.05$) for all targeted deep brain for the patients 1 and 2. In the case of patient 3 (s512) shows a significant difference ($p < 0.05$) in GPI, VA and VOA. Vertical axis: normalized power differences (dB/Hz). Horizontal axis: targeted deep brain structure.