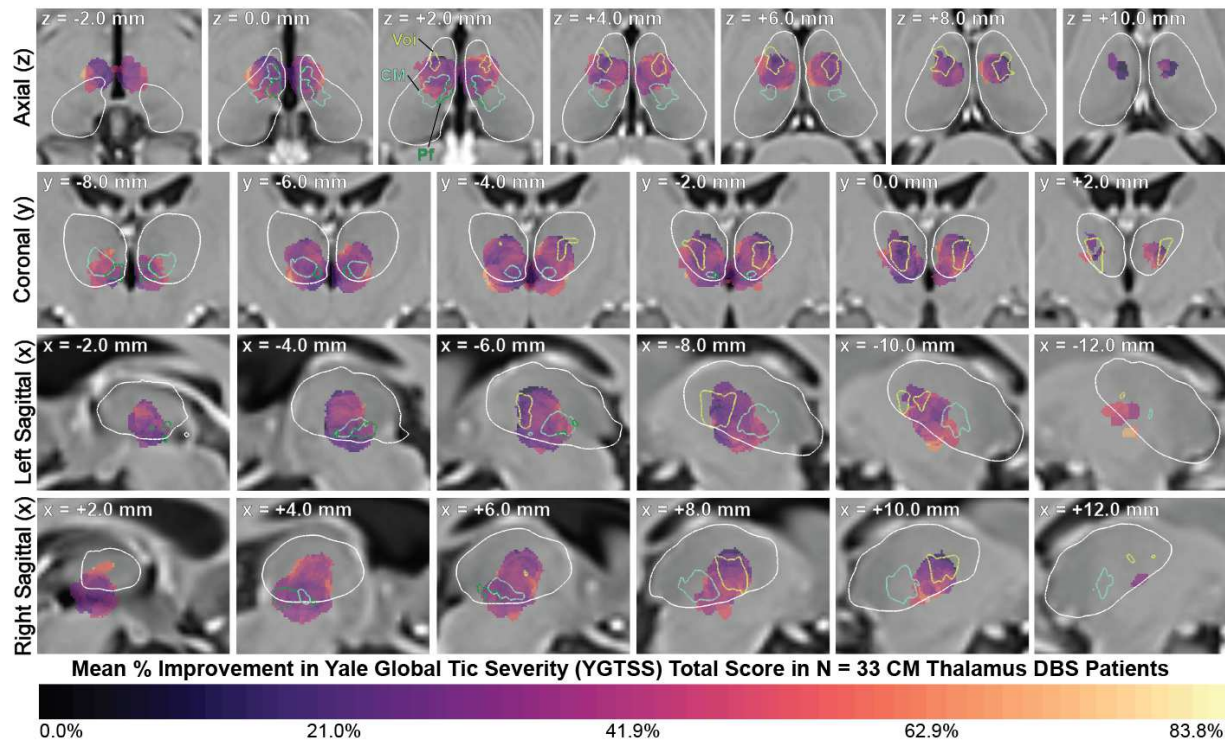
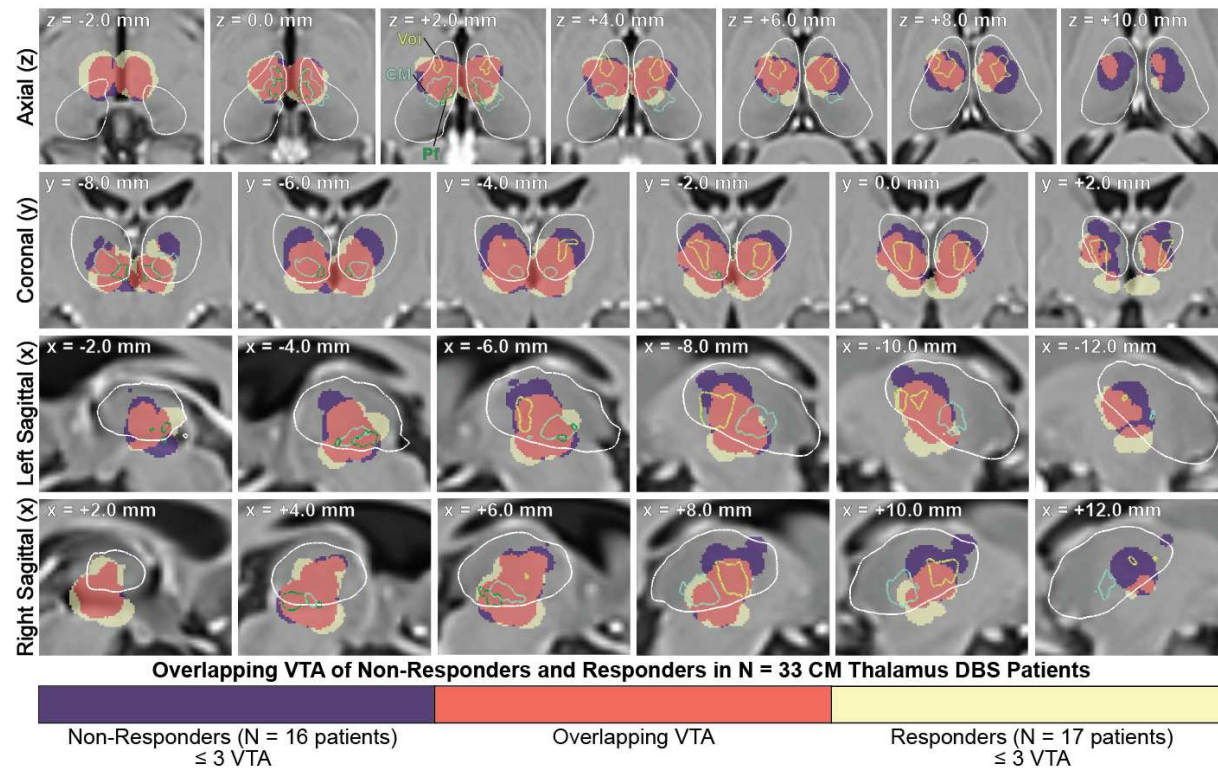


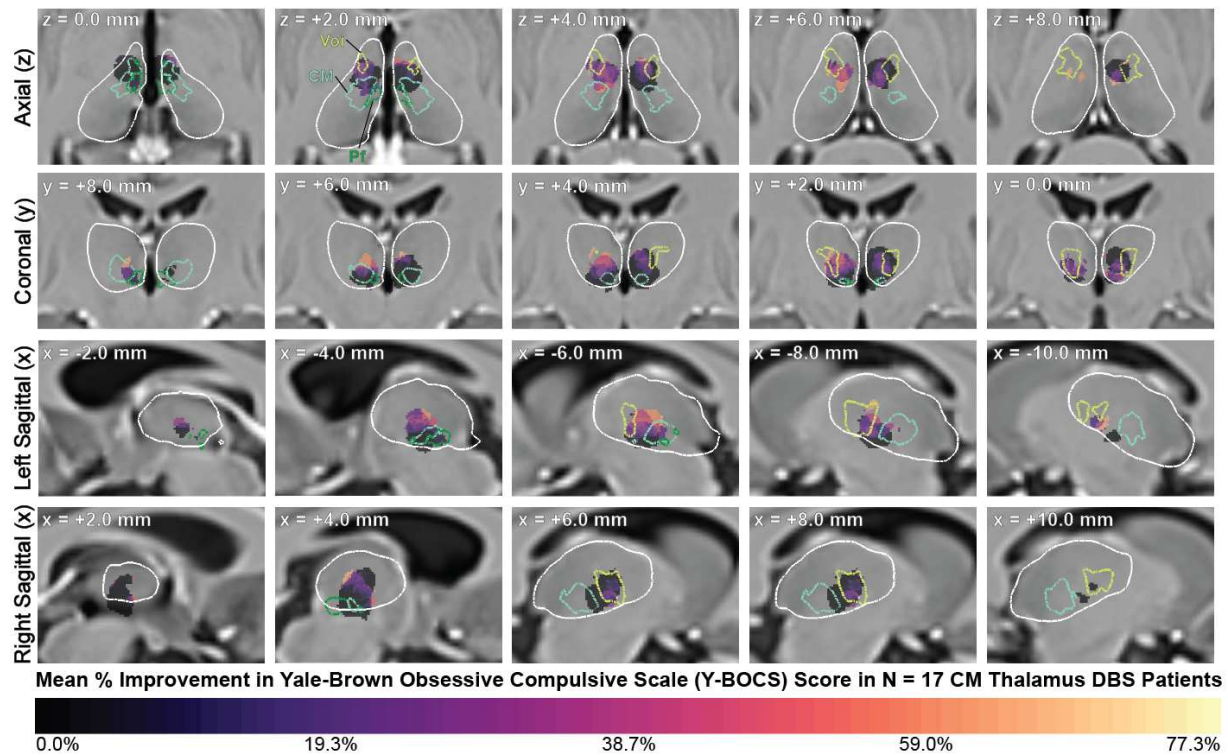
Supplementary Figure 6. Location of stimulation in cohort atlas space of CM Thalamus TS DBS patients. The region with the greatest number of overlapping VTA across CM thalamus DBS patients was located at the intersection of the CMn-Pf complex-Voi. Segmentations of nuclei are overlaid for reference (thalamus – white, CM nucleus – light blue, Pf complex – dark green, Voi – yellow-green).



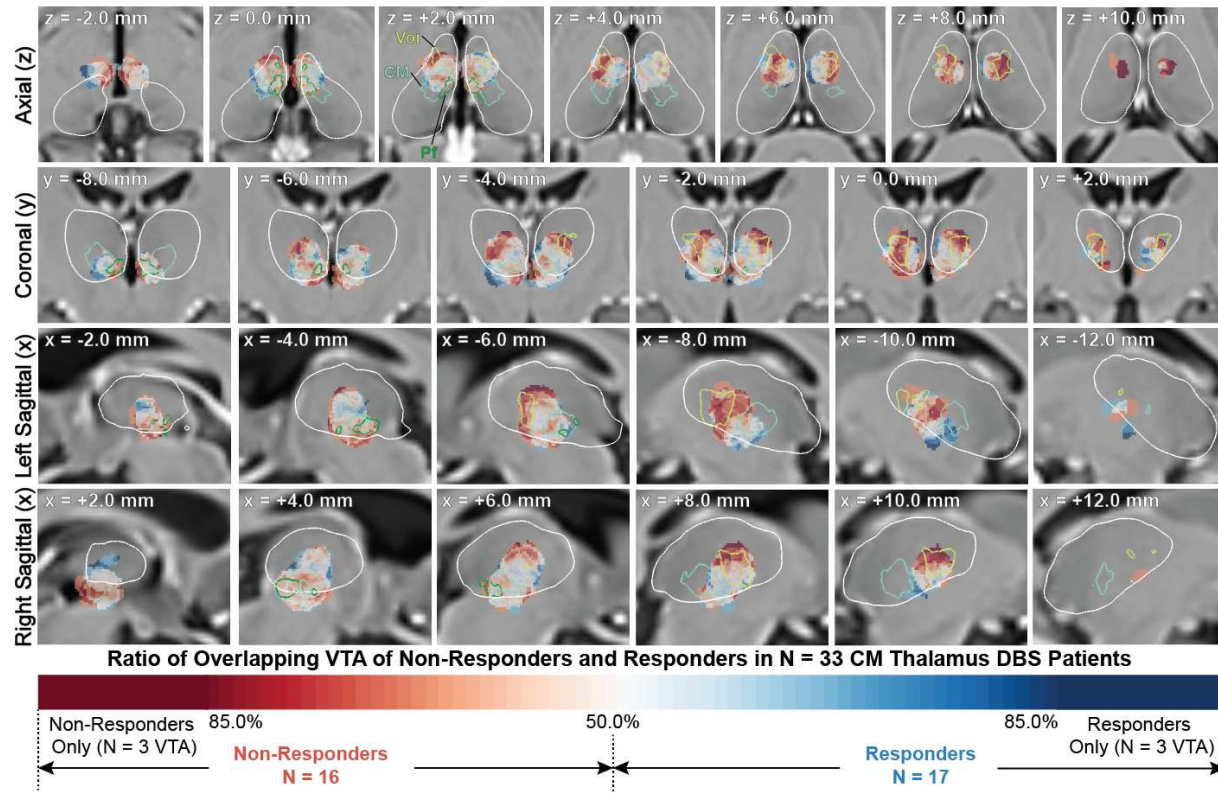
Supplementary Figure 7. Probabilistic stimulation atlases (PSAs) of the change in YGTSS total score in CM thalamus DBS patients. The percent improvement in YGTSS total score was obtained from the final follow-up time point for each patient. There were regions associated with lower percent improvement intermixed with regions with higher percent improvement, but there was no clear pattern.



Supplementary Figure 8. Probabilistic stimulation atlas (PSA) of the responder, non-responder, and regions of overlapping VTA in CM thalamus DBS patients. There were regions associated with improvement and overlapping regions associated with little to no therapeutic benefit. Segmentation outlines of nuclei are overlaid for reference (thalamus – white, CMn – light blue, Pf complex – dark green, Voi – yellow-green).



Supplementary Figure 9. Probabilistic stimulation atlas (PSA) of the percent change in Y-BOCS total score from baseline in CM thalamus DBS patients. The percent improvement in Y-BOCS total score was taken from the final follow-up time point for each patient. Segmentation outlines of nuclei are overlaid for reference (thalamus – white, CMn – light blue, Pf complex – dark green, Voi – yellow-green).



Supplementary Figure 10. Ratio of overlapping VTA in non-responders and responders in CM thalamus DBS patients. In CM thalamus, there were several regions with more VTA of non-responders than responders and interspersed regions with an equal ratio of responder and non-responder VTA. Nuclei are overlaid for reference (thalamus – white, CMn – light blue, Pf – dark green, Voi – yellow-green).