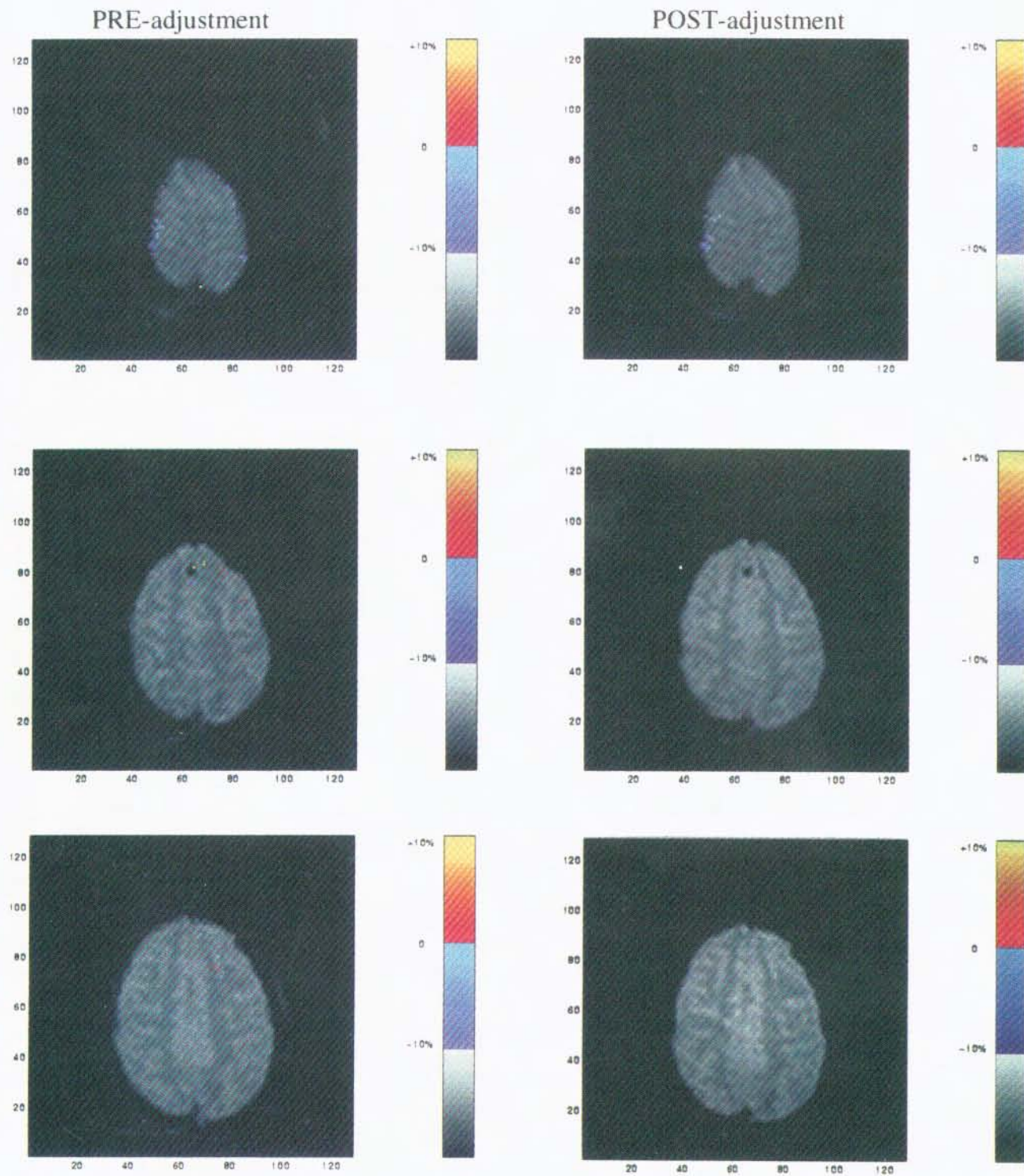


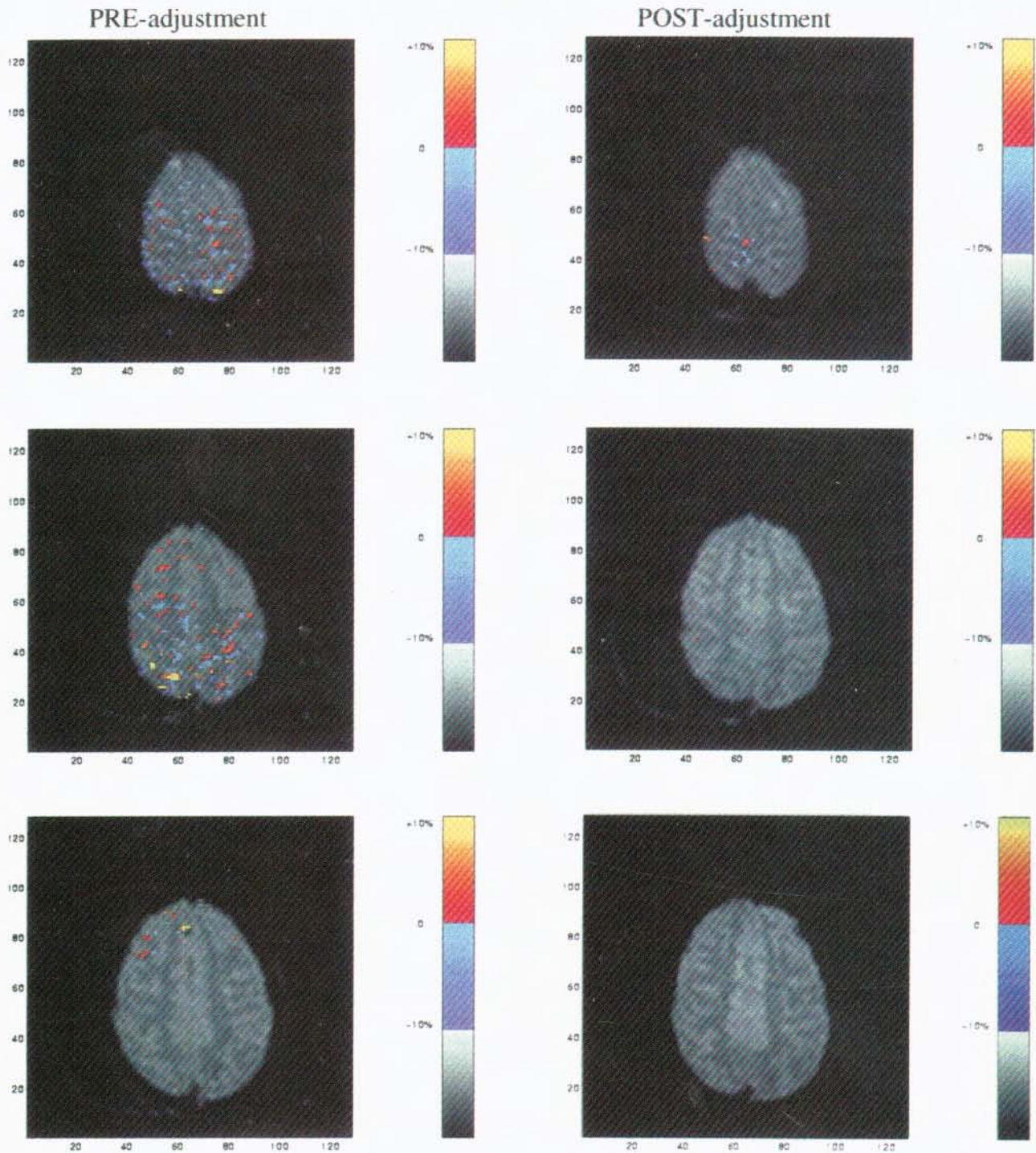
HAND TASK



Female, 24 years

Figure 1. These images demonstrate patterns of activation that occurred following voluntary unilateral wrist motion before and after chiropractic adjustment. Note that in the upper slices, changes in activity are seen bilaterally prior to adjustment. After adjustment, the changes are seen primarily in the area of the somatosensory and motor cortex unilaterally. See Figures 3 and 4 for anatomical reference.

FOOT TASK



Female, 24 years

Figure 2. Because ankle tension is used as a clinical indicator for vertebral subluxation,¹⁹ the task of voluntary unilateral ankle motion was selected for evaluation pre and post chiropractic adjustment. Pre-adjustment, generalized areas of activation are seen in the upper and lower slices. Following adjustment, the regions of signal alteration are much smaller, and appear to be unilateral. It has been conjectured that chiropractic adjustments lead to improved neural efficiency, evidenced by fewer and more specific foci of altered activity. See Figures 3 and 4 for anatomical reference.