

**Supplemental table 1: Mean  $\pm$  standard deviation of intra-patient coefficient of variation (CV) in fat, vertebra, and muscle (see Figure 2 for an example of ROI positioning). For each tissue, three ROIs have been drawn and coefficients of variation were computed in the fusion of the three ROIs. Paired Wilcoxon signed rank tests show that CV of N4ITK corrected data are statistically smaller than CV of raw data, (p-values in brackets).**

CV (%)	Fat	Vertebra	Muscle
Raw data	8.7 $\pm$ 4.0	18.7 $\pm$ 7.7	32.3 $\pm$ 12.9
N4ITK corrected data	6.9 $\pm$ 3.7 (p<10 <sup>-5</sup> )	18.2 $\pm$ 7.7 (p=0.02)	31.6 $\pm$ 12.6 (p<10 <sup>-4</sup> )