

On-line Table 1: Mean NAA/Cho ratios for the different brain regions examined in FM patients and HC

| Brain Region | Mean NAA/Cho in FM (N = 21) | Mean NAA/Cho in HC (N = 27) |
|-----------------------------|-----------------------------|-----------------------------|
| Right insula | 0.892 ± 0.079 | 0.934 ± 0.072 |
| Left insula | 0.921 ± 0.086 | 0.916 ± 0.065 |
| Right thalamus | 1.129 ± 0.090 | 1.129 ± 0.073 |
| Left thalamus | 1.171 ± 0.085 | 1.181 ± 0.069 |
| Right putamen | 0.956 ± 0.047 | 1.006 ± 0.063 |
| Left putamen | 0.926 ± 0.070 | 1.034 ± 0.068 |
| Right caudate | 0.875 ± 0.082 | 0.874 ± 0.079 |
| Left caudate | 1.283 ± 0.179 | 1.175 ± 0.147 |
| Right DLPFC | 1.078 ± 0.103 | 1.177 ± 0.091 |
| Left DLPFC | 1.040 ± 0.083 | 1.078 ± 0.090 |
| Right posterior frontal WM | 1.060 ± 0.073 | 1.098 ± 0.100 |
| Left posterior frontal WM | 1.084 ± 0.080 | 1.097 ± 0.105 |
| Right anterior parietal WM | 1.393 ± 0.123 | 1.415 ± 0.112 |
| Left anterior parietal WM | 1.303 ± 0.108 | 1.289 ± 0.109 |
| Right posterior parietal WM | 1.448 ± 0.086 | 1.460 ± 0.116 |
| Left posterior parietal WM | 1.400 ± 0.087 | 1.416 ± 0.116 |

Note:—DLPFC indicates dorsolateral prefrontal cortex; WM, white matter; NAA, *N*-acetylaspartate; Cho, choline; FM, fibromyalgia; HC, healthy controls.

On-line Table 2. Mean Cho/Cr ratios for the different brain regions examined in FM patients and HC

| Brain Region | Mean Cho/Cr in FM (N = 21) | Mean Cho/Cr in HC (N = 27) |
|-----------------------------|----------------------------|----------------------------|
| Right insula | 1.296 ± 0.153 | 1.264 ± 0.184 |
| Left insula | 1.289 ± 0.145 | 1.321 ± 0.106 |
| Right thalamus | 1.112 ± 0.091 | 1.114 ± 0.103 |
| Left thalamus | 1.078 ± 0.081 | 1.015 ± 0.052 |
| Right putamen | 1.172 ± 0.129 | 1.191 ± 0.095 |
| Left putamen | 1.242 ± 0.119 | 1.091 ± 0.076 |
| Right caudate | 1.239 ± 0.179 | 1.279 ± 0.164 |
| Left caudate | 1.538 ± 0.219 | 1.273 ± 0.123 |
| Right DLPFC | 1.343 ± 0.162 | 1.162 ± 0.051 |
| Left DLPFC | 1.230 ± 0.083 | 1.215 ± 0.078 |
| Right posterior frontal WM | 1.413 ± 0.116 | 1.373 ± 0.067 |
| Left posterior frontal WM | 1.405 ± 0.092 | 1.392 ± 0.099 |
| Right anterior parietal WM | 1.290 ± 0.109 | 1.294 ± 0.084 |
| Left anterior parietal WM | 1.313 ± 0.107 | 1.266 ± 0.088 |
| Right posterior parietal WM | 1.101 ± 0.069 | 1.057 ± 0.068 |
| Left posterior parietal WM | 1.121 ± 0.097 | 1.031 ± 0.064 |

Note:—DLPFC indicates dorsolateral prefrontal cortex; WM, white matter; NAA, *N*-acetylaspartate; Cho, choline; FM, fibromyalgia; HC, healthy controls.

On-line Table 3: Mean NAA/Cr ratios for the different brain regions examined in FM patients and HC

| Brain Region | Mean NAA/Cr in FM (N = 21) | Mean NAA/Cr in HC (N = 27) |
|-----------------------------|----------------------------|----------------------------|
| Right insula | 1.141 ± 0.140 | 1.159 ± 0.164 |
| Left insula | 1.154 ± 0.114 | 1.184 ± 0.079 |
| Right thalamus | 1.235 ± 0.097 | 1.242 ± 0.123 |
| Left thalamus | 1.245 ± 0.091 | 1.181 ± 0.052 |
| Right putamen | 1.110 ± 0.113 | 1.179 ± 0.085 |
| Left putamen | 1.134 ± 0.109 | 1.112 ± 0.083 |
| Right caudate | 1.073 ± 0.163 | 1.109 ± 0.150 |
| Left caudate | 1.283 ± 0.179 | 1.175 ± 0.147 |
| Right DLPFC | 1.373 ± 0.090 | 1.362 ± 0.108 |
| Left DLPFC | 1.260 ± 0.090 | 1.286 ± 0.104 |
| Right posterior frontal WM | 1.469 ± 0.102 | 1.486 ± 0.119 |
| Left posterior frontal WM | 1.508 ± 0.121 | 1.498 ± 0.132 |
| Right anterior parietal WM | 1.752 ± 0.136 | 1.798 ± 0.136 |
| Left anterior parietal WM | 1.672 ± 0.131 | 1.599 ± 0.137 |
| Right posterior parietal WM | 1.580 ± 0.101 | 1.518 ± 0.127 |
| Left posterior parietal WM | 1.538 ± 0.097 | 1.436 ± 0.106 |

Note:—DLPFC indicates dorsolateral prefrontal cortex; WM, white matter; NAA, *N*-acetylaspartate; Cho, choline; FM, fibromyalgia; HC, healthy controls.