

Supplemental Table S6. Comparison of Muscular CN Contents (fmol/mg) of Men with Muscle Sample between Control and Sarcopenia Groups and Correlation with SMI ($n=10$)

	Control ($n=5$)	Sarcopenia ($n=5$)	P value ^a	P value ^b	r	P value ^c
C0-CN	887.80±360.02	841.20±359.36	0.843	0.864	0.375	0.286
C2-CN	1,920.80±850.52	1,384.40±527.35	0.265	0.492	0.498	0.143
C3-CN	24.02±8.94	19.20±10.50	0.457	0.720	0.426	0.219
C4-CN	11.78±2.80	13.46±6.60	0.615	0.726	-0.018	0.961
C5-CN	3.46±0.93	2.86±2.17	0.585	0.726	0.389	0.266
C6-CN	3.56±1.88	4.36±1.69	0.499	0.720	0.038	0.917
C8-CN	1.80 (1.50–2.90)	2.80 (2.70–3.70)	0.421	0.547	0.127	0.733
C10-CN	1.10 (0.70–1.10)	1.00 (1.00–1.60)	0.525	0.620	0.191	0.598
C12-CN	2.06±0.29 ^d	3.00±0.32 ^d	0.001 ^d	0.017 ^d	-0.553	0.098
C14-CN	3.16±0.34	3.86±0.72	0.083	0.271	-0.526	0.118
C16-CN	6.10 (5.90–6.10) ^d	7.20 (7.10–8.10) ^d	0.016 ^d	0.083	-0.787 ^d	0.007 ^d
C18-CN	1.02±0.25 ^d	1.40±0.12 ^d	0.016 ^d	0.101	-0.780 ^d	0.008 ^d
C18:1-CN	15.44±4.04	19.60±3.91	0.137	0.356	-0.689 ^d	0.028 ^d

Values are expressed as mean±standard deviation or median (interquartile range).

CN, carnitine; SMI, skeletal muscle mass index.

^a P value by Student's t test or Mann-Whitney U test; ^b P value by Student's t test or Mann-Whitney U test after adjusting for multiple testing corrections using the false discovery rate method; ^c P value by Pearson correlation analysis or Spearman's correlation analysis for CN levels with SMI; ^dStatistically significant values.