

Distinctive Pattern of Serum Elements During the Progression of Alzheimer's Disease

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Table S1. Loading of principal component analysis (PCA). First and second principal components (PC1 and PC2) of Figure 1.

Table S2. Elements and ratios included in the multivariate ROC model of Figure 6.

Figure S1. Potential biomarkers for discriminating between HS and SMC samples and SMC and MCI samples.

Table S1. Loading of principal component analysis (PCA). First and second principal components (PC1 and PC2) of Figure 1.

ELEMENT	PC1	PC2
Mn	0.077	-0.452
Zn	0.246	-0.382
Se	0.251	-0.353
Hg	-0.006	-0.327
Fe	0.270	-0.200
Tl	-0.073	-0.198
Cr	0.053	-0.137
Co	0.314	-0.126
Ca	0.404	-0.032
Sb	0.093	-0.017
Ni	0.221	-0.001
Pb	0.081	0.014
As	0.228	0.024
Cu	0.325	0.040
Be	0.036	0.054
Al	0.151	0.158
Sr	0.254	0.165
Sn	0.177	0.192
Cd	0.195	0.203
Mo	0.159	0.215
V	0.262	0.225
U	0.234	0.267

Table S2. Elements and ratios included in the multivariate ROC model of Figure 6

Elements	AUC	p value (t-test)
Mn	0.89	4.8E-11
Se	0.72	2.4E-04
Zn	0.71	8.1E-04
Cu	0.64	3.7E-02
Fe	0.62	1.6E-01
Ca	0.55	3.6E-01
Cu/Mn	0.93	1.6E-13
Ca/Mn	0.91	1.8E-11
Fe/Mn	0.88	6.3E-09
Cu/Se	0.85	1.4E-08
Mn/Zn	0.85	5.4E-09
Mn/Se	0.84	6.9E-08
Ca/Se	0.81	6.1E-07
Cu/Zn	0.80	7.5E-06
Ca/Zn	0.78	8.5E-06
Cu/Fe	0.70	3.4E-03
Ca/Fe	0.68	1.4E-02
Ca/Cu	0.64	1.1E-01
Fe/Se	0.63	2.8E-02
Fe/Zn	0.59	9.5E-02
Se/Zn	0.54	4.6E-01

Figure S1. Potential biomarkers for discriminating between HS and SMC samples and SMC and MCI samples.

