

Supplemental Material

Table S1. Demographic Characteristics of Participants

	Case I	Case II	Case III	Case IV	Case V
Sex	Male	Female	Male	Male	Male
Age (years)	82	83	77	54	75
Education (years)	12	5	15	9	0
APOE genotype	ε3/4	ε 3/4	ε 4/4	ε 3/4	ε 2/3
Duration of cognitive impairment (years)	1	5	> 4	> 1	> 10
Blood TDP level (nmol/L)	111.82	135.02	92.65	116.99	60.96
Blood TMP level (nmol/L)	31.73	16.05	17.88	22.15	17.92
Blood thiamine level (nmol/L)	4.27	3.63	2.11	6.12	2.16
Hemoglobin level (g/L)	128	120	139	150	130
Fasting plasma glucose (mmol/L)	4.9	5.3	5.1	5.8	6.2
ALT (U/L)	21	12	20	29	27
Cre (μmol/L)	67	61	97	63	79
FT3 (pmol/L)	3.7	3.4	4.4	4.8	3.8
FT4 (pmol/L)	13.5	12.1	16.0	17.0	13.5
TSH (mIU/L)	1.25	5.12	2.19	1.67	4.7
Folate (nmol/L)	11.0	9.8	6.7	8.0	6.6
Vitamin B12 (pmol/L)	761.2	499.9	463.2	894.8	230.6
AD medication beyond benfotiamine	Donepezil (5 mg daily)	Donepezil (5 mg daily)	Donepezil (5 mg daily)	Donepezil (5 mg daily)	None

Abbreviations: TDP: thiamine diphosphate; TMP: thiamine monophosphate; ALT: alanine aminotransferase; Cre: creatinine; FT3: free triiodothyronine; FT4: free thyroxine; TSH: thyroid stimulating hormone.