

# Supplementary Materials: Nutritional Status Associated with Molecular Biomarkers, Physiological Indices, and Clinical Severity in Parkinson's Disease Patients

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**Table S1.** The relationships between the mini nutritional assessment (MNA), the scores of Unified Parkinson's Disease Rating Scale (UPDRS), and the levels of biochemical markers in the PD patients and PD patients with malnutrition risk.

UPDRS	MNA	HgB	Cholesterol	HDL	LDL	HbA1c	BUN	Creatinine	Folate	VitB12
<b>Total participants</b>										
Section 1	$r = -0.36; p = 0.001$	$r = 0.04; p = 0.730$	$r = -0.05; p = 0.671$	$r = -0.29; p = 0.009$	$r = 0.03; p = 0.765$	$r = -0.17; p = 0.134$	$r = 0.22; p = 0.054$	$r = 0.12; p = 0.297$	$r = 0.04; p = 0.729$	$r = 0.24; p = 0.033$
Section 2	$r = -0.35; p = 0.001$	$r = 0.03; p = 0.768$	$r = -0.02; p = 0.877$	$r = -0.19; p = 0.092$	$r = 0.03; p = 0.783$	$r = -0.21; p = 0.069$	$r = 0.14; p = 0.233$	$r = -0.01; p = 0.902$	$r = 0.03; p = 0.778$	$r = 0.18; p = 0.108$
Section 3	$r = -0.18; p = 0.100$	$r = 0.07; p = 0.554$	$r = -0.20; p = 0.070$	$r = -0.13; p = 0.257$	$r = -0.16; p = 0.146$	$r = -0.16; p = 0.171$	$r = 0.28; p = 0.013$	$r = 0.10; p = 0.353$	$r = -0.00; p = 0.989$	$r = 0.17; p = 0.130$
Section 4	$r = -0.07; p = 0.542$	$r = -0.01; p = 0.945$	$r = 0.03; p = 0.825$	$r = -0.00; p = 0.996$	$r = 0.04; p = 0.733$	$r = -0.20; p = 0.077$	$r = -0.07; p = 0.514$	$r = -0.03; p = 0.807$	$r = -0.02; p = 0.850$	$r = -0.16; p = 0.179$
Total scores	$r = -0.29; p = 0.009$	$r = 0.06; p = 0.604$	$r = -0.14; p = 0.209$	$r = -0.18; p = 0.109$	$r = -0.09; p = 0.434$	$r = -0.21; p = 0.060$	$r = 0.24; p = 0.030$	$r = 0.07; p = 0.521$	$r = 0.01; p = 0.915$	$r = 0.19; p = 0.102$
MNA	-----	$r = 0.25; p = 0.022$	$r = -0.13; p = 0.243$	$r = -0.16; p = 0.171$	$r = -0.08; p = 0.475$	$r = 0.23; p = 0.041$	$r = 0.05; p = 0.962$	$r = 0.05; p = 0.640$	$r = -0.02; p = 0.880$	$r = 0.07; p = 0.567$
<b>Malnutrition risk</b>										
Section 1	$r = -0.47; p = 0.020$	$r = -0.27; p = 0.211$	$r = 0.16; p = 0.452$	$r = -0.38; p = 0.066$	$r = 0.26; p = 0.219$	$r = -0.51; p = 0.16$	$r = 0.27; p = 0.207$	$r = -0.08; p = 0.702$	$r = 0.17; p = 0.467$	$r = 0.23; p = 0.309$
Section 2	$r = -0.47; p = 0.019$	$r = -0.01; p = 0.962$	$r = 0.10; p = 0.647$	$r = -0.19; p = 0.385$	$r = 0.14; p = 0.529$	$r = -0.41; p = 0.056$	$r = 0.08; p = 0.718$	$r = -0.04; p = 0.859$	$r = 0.17; p = 0.464$	$r = 0.27; p = 0.230$
Section 3	$r = -0.28; p = 0.189$	$r = 0.04; p = 0.838$	$r = -0.15; p = 0.496$	$r = -0.06; p = 0.798$	$r = -0.13; p = 0.532$	$r = -0.51; p = 0.016$	$r = 0.24; p = 0.270$	$r = 0.09; p = 0.687$	$r = 0.11; p = 0.619$	$r = 0.33; p = 0.145$
Section 4	$r = -0.08; p = 0.721$	$r = -0.13; p = 0.536$	$r = -0.03; p = 0.877$	$r = -0.09; p = 0.667$	$r = -0.04; p = 0.846$	$r = 0.18; p = 0.411$	$r = -0.14; p = 0.511$	$r = -0.08; p = 0.701$	$r = -0.25; p = 0.272$	$r = -0.24; p = 0.304$

Total scores	$r = -0.39; p = 0.058$	$r = -0.01; p = 0.948$	$r = -0.06; p = 0.798$	$r = -0.14; p = 0.505$	$r = -0.03; p = .900$	$r = -0.51; p = 0.016$	$r = 0.19; p = 0.375$	$r = 0.03; p = 0.894$	$r = 0.13; p = 0.579$	$r = 0.31; p = 0.170$
MNA	-----	$r = 0.14, p = 0.527$	$r = 0.23; p = 0.278$	$r = 0.26; p = 0.221$	$r = 0.15; p = 0.498$	$r = 0.62; p = 0.002$	$r = -0.04; p = 0.849$	$r = 0.00; p = 0.998$	$r = 0.14; p = 0.534$	$r = 0.30; p = 0.188$

PD: Parkinson's disease; UPDRS: Unified Parkinson's Disease Rating Scale; HgB: hemoglobin; HbA1c: glycated hemoglobin; MNA: mini nutritional assessment; HDL: high-density lipoprotein; LDL: low-density lipoprotein; BUN: blood urea nitrogen.