

*Supplement data*

**Table S1: Equations of BEE, PNI, and NRI**

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1. Harris–Benedict equation [Basal energy expenditure (BEE)]

Men:  $BEE = 66.47 \times 13.75 \times Weight (kg) + Height (cm) - 6.76 \times Age (years)$

Women:  $BEE = 655.1 + 9.65 \times Weight (kg) + 1.85 \times Height (cm) - 4.68 \times Age (years)$

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2. Prognostic nutritional index (PNI)

$$PNI = 10 \times Albumin (g/dL) + 0.005 \times TLC (cells/mm^3)$$

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3. Nutritional risk index (NRI)

$$NRI = 10.7 \times Albumin (g/dL) + 0.00039 \times TLC (cells/mm^3) + 0.11 \times Zinc (\mu g/dL) - 0.44 \times Age (years)$$

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**Table S2: Equations of CONUT**

$$\text{CONUT score} = \text{Albumin score} + \text{TLC score} + \text{T-Cho score}$$

Parameter	Under nutrition degree			
	Normal	Light	Moderate	Severe
CONUT score	0–1	2–4	5–8	9–12
Albumin (g/dL)	3.5–4.5	3.0–3.49	2.5–2.9	< 2.5
Albumin score	0	2	4	6
TLC (cells/mm <sup>3</sup> )	> 1,600	1,200–1,599	800–1,199	< 800
TLC score	0	1	2	3
T-Cho (mg/dL)	>180	140–180	100–139	< 100
T-Cho score	0	1	2	3