

**Supplementary Material Table S4.** Comparisons of Previous Studies using PhA for PEW Diagnosis.

Author	Country	Study Design	Sample Size	Age (years)	Female, n (%)	BIA Model	BIA Type	PhA Cut-Off (°)	AUC	Sensitivity (%)	Specificity (%)
Ruperto et al., 2014	Spain	Cross-sectional	80	68.0 ± 14.4	28 (35.0)	BIVA-101	Single frequency	4.00	NA	NA	NA
Tan et al., 2019	China	Cross-sectional	173	58.0 ± 11.8	78 (45.1)	InBody S10	Multi-frequency	4.60	0.870	86.4	76.3
Leal-Escobar et al., 2019	Mexico	Cross-sectional	69	36.5 ± 13.4	36 (52.0)	InBody S10	Multi-frequency	4.64	0.776	77.7	76.1
Saitoh et al., 2020	Japan	Retrospective cohort	116	64.0 ± 12.0	41 (35.0)	Seca mBCA515	Multi-frequency	3.70	0.718	NA	NA
Zhou et al., 2021	China	Cross-sectional	64	59.6 ± 12.6	31 (48.4)	InBody 770	Multi-frequency	4.45	0.749	83.3	37.5

Abbreviations: BIA, bioelectrical impedance analysis; AUC, area under the curve; NA, not available