

Table 3. Area under ROC for identification of determinants for MetS using different international criteria

Determinant	NCEP-ATPIII				IDF				JIS			
	AUC	95% CI	SEN (%)	SP (%)	AUC	95% CI	SEN (%)	SP (%)	AUC	95% CI	SEN (%)	SP (%)
LAP	0.97±0.01	0.95-0.99	81	91	0.97±0.01	0.95-0.99	93	85	0.97±0.01	0.94-0.99	93	86
WC	0.94±0.02	0.89-0.98	89	94	0.96±0.01	0.93-0.98	98	83	0.93±0.02	0.89-0.97	93	83
BMI	0.94±0.03	0.89-0.99	91	87	0.97±0.01	0.94-0.99	93	88	0.94±0.02	0.90-0.98	88	88
TG	0.93±0.02	0.89-0.97	67	95	0.91±0.03	0.87-0.96	63	96	0.92±0.02	0.88-0.97	65	97
HDL	0.90±0.02	0.85-0.94	63	97	0.87±0.03	0.81-0.93	63	97	0.87±0.03	0.81-0.93	66	91
DBP	0.76±0.05	0.66-0.85	33	91	0.76±0.04	0.67-0.85	35	92	0.77±0.04	0.69-0.86	36	92
SBP	0.75±0.05	0.65-0.85	28	97	0.77±0.05	0.67-0.86	28	97	0.77±0.05	0.68-0.86	29	98
HOMA-IR	0.73±0.04	0.65-0.81	75	62	0.69±0.05	0.60-0.78	69	62	0.69±0.04	0.60-0.77	68	62
Glucose	0.59±0.05	0.48-0.69	6	99	0.65±0.05	0.55-0.75	13	98	0.64±0.05	0.55-0.74	12	98

Evaluated by ROC with following cut-off values: LAP: Lipid accumulation product=25.94, WC: Waist circumference=88.5cm for NCEP/ATP III and WC=80.5cm for IDF; BMI: Body mass index=25 kg/m²; TG: Tryglicerides=1.7mmol/L; HDL: High density lipoprotein=1.3mmol/L; DBP: Diastolic blood pressure=87.5mmHg, SBP: Systolic blood pressure=137.5mmHg; HOMA-IR=3.30; Glucose=6.1mmol/L for NCEP/ATP III and glucose=5.6cm for IDF and JIS.