

**Supplementary Table 3.** Diagnostic performance of the cutoff values of the DSI and lactate levels for predicting vasopressor requirement

Variable	DSI $\geq$ 2.0 (initial hypotension)	DSI $\geq$ 2.0 (after fluid challenge)	Lactate $\geq$ 2.5 mmol/L
Derivation cohort			
Sensitivity (%)	64.5 (60.3–68.6)	52.1 (47.8–56.3)	63.3 (59.3–67.1)
Specificity (%)	67.8 (64.2–71.2)	83.2 (79.7–86.3)	73.2 (69.7–76.5)
Predictive value			
Positive	60.5 (56.3–64.5)	72.1 (76.7–80.9)	68.0 (64.0–71.8)
Negative	67.8 (71.5–74.9)	58.3 (62.0–65.6)	68.9 (65.4–72.2)
AUC	0.662 (0.635–0.689)	0.676 (0.650–0.703)	0.682 (0.657–0.708)
Validation cohort			
Sensitivity (%)	57.6 (50.8–64.1)	49.6 (42.9–56.3)	56.3 (49.9–62.4)
Specificity (%)	67.1 (61.6–72.3)	79.0 (73.1–84.2)	70.5 (65.0–75.6)
Predictive value			
Positive	55.6 (49.0–62.1)	70.4 (62.7–77.4)	61.5 (55.0–67.8)
Negative	68.9 (63.0–74.0)	55.0 (60.8–66.5)	65.7 (60.3–70.9)
AUC	0.623 (0.582–0.665)	0.643 (0.601–0.685)	0.634 (0.594–0.674)

Values are presented as percentages or AUC (95% confidence interval).

DSI, diastolic shock index; AUC, area under the receiver operating characteristic curve.