



	Area under the curve	95% CI	P-value
(A) Mortality			
ΔPaO ₂ /FiO ₂	0.701	0.636–0.766	<0.001
ΔDriving pressure	0.570	0.498–0.641	<0.001
ΔPIP	0.583	0.511–0.656	<0.001
(B) Initial progress			
ΔPaO ₂ /FiO ₂	0.912	0.876–0.948	<0.001
ΔDriving pressure	0.675	0.611–0.739	<0.001
ΔPIP	0.713	0.651–0.775	<0.001
(C) VFD=0 at day 28			
ΔPaO ₂ /FiO ₂	0.658	0.592–0.725	<0.001
ΔDriving pressure	0.554	0.486–0.623	<0.001
ΔPIP	0.578	0.509–0.646	<0.001
(D) VFD ≤ 14 at day 28			
ΔPaO ₂ /FiO ₂	0.613	0.543–0.683	<0.001
ΔDriving pressure	0.584	0.516–0.652	<0.001
ΔPIP	0.611	0.545–0.678	<0.001

E

Supplementary Figure 2. Discriminative ability of tested variables for (A) mortality, (B) initial progress, (C) ventilator-free day (VFD)=0 at day 28, and (D) VFD ≤ 14 at day 28. (E) Receiver operating characteristic curve analysis using ΔPaO₂/FiO₂, ΔDriving pressure, and ΔPIP. ΔPaO₂/FiO₂: changes in arterial partial pressure of oxygen to fraction of inspired oxygen for the first 24 hours; ΔDriving pressure: changes in driving pressure for the first 24 hours; ΔPIP: changes in peak inspiratory pressure for the first 24 hours; CI: confidence interval.