

Table S1. Baseline and outcome variables

Baseline variables collected at NIRS initiation	<ul style="list-style-type: none">● Age (years)● Weight (kg)● Body mass index (kg/m²)● Female gender (n [%])● Hypertension (n [%])● Obesity (n [%])● Diabetes (n [%])● Days since symptoms onset● Sequential organ failure assessment score● Charlson comorbidity index● C-reactive protein (mg/L)● Procalcitonin (µg/L)● D-dimer (µg/L)● Leukocyte count (x10⁹ cells/L)● Lymphocyte count (x10⁹ cells/L)● Interleukin-6 (pg/mL)● Arterial partial pressure of oxygen to inspired oxygen fraction ratio (mmHg)● Arterial partial pressure of carbon dioxide (mmHg)
Outcome variables	<ul style="list-style-type: none">● Escalation of respiratory support (n [%])● Pronation (n [%])● Endotracheal intubation (n [%])● Duration of invasive mechanical ventilation (days)● Hospital length of stay (days)

	<ul style="list-style-type: none">● Hospital mortality (n [%])
Abbreviations: NIRS, noninvasive respiratory support.	