

## APPENDIX

**Supplemental table 1:** Haemodynamic variables collected in basic research line

Variable (units)	Abbreviation	Method of measuring
<b>Macrocirculation</b>		
Cardiac output (l/min)	CO	Critical care ultrasound
Stroke volume (mL)	SV	Critical care ultrasound
Respiratory rate (per minute)*	RR	bedside (electrocardiographic) monitor
Heart rate (beats/min)*	HR	bedside (electrocardiographic) monitor
Mean arterial pressure (mmHg)*	MAP	arterial line and sphygmomanometer
Systolic blood pressure (mmHg)*	SBP	arterial line and sphygmomanometer
Diastolic blood pressure (mmHg)*	DBP	arterial line and sphygmomanometer
Vasoactive medication ( $\mu\text{g}/\text{kg}/\text{min}$ )*	-	infusion pump inspection at bedside
Central venous pressure (mmHg)*	CVP	central venous line in internal jugular, subclavian or femoral vein
Urine output (ml/hour and ml/6h)*	UO <sub>1h</sub> or UO <sub>6h</sub>	electronic patient's chart
Serum haemoglobin (mmol/L)	Hb	Arterial blood gas test closest to examination
Cardiac murmurs*	-	Auscultation at the 2 <sup>nd</sup> intercostal space left and right, 4 <sup>th</sup> or 5 <sup>th</sup> intercostal space left and apex
Pulmonary crepitations or crackles*	-	Auscultation of the chest at the superior, inferior and basal lung fields
Pulmonary ronchi or wheezing*	-	Auscultation of the chest at the superior, inferior and basal lung fields
<b>Microcirculation</b>		
Central temperature (degrees Celsius)*	T <sub>central</sub>	bladder temperature using bladder thermistor catheter
Skin temperature (degrees Celsius)*	T <sub>peripheral</sub>	skin temperature of big toe using skin probe
Central-to-peripheral skin temperature difference (degrees Celsius)*	$\Delta\text{Tc-p}$	central: bladder

		peripheral: skin of big toe
Skin temperature (either cold or warm)*	T <sub>skin</sub>	subjective assessment
Mottling score (0 – 5)*	-	observation of mottling area extension on the legs, scoring system according to Ait-Oufella <sup>1</sup>
Serum lactate (mmol/L)	-	Arterial blood gas test closest to examination
<b>Other</b>		
Mental state (alert/voice/pain/unresponsive)*	AVPU	Physical examination
Administration of sedative medication*	-	infusion pump inspection at bedside
Mechanical ventilator settings:*		
Inspiratory O2 (%)*	FiO <sub>2</sub>	mechanical ventilator
Positive end-expiratory pressure (cmH <sub>2</sub> O)*	PEEP	mechanical ventilator
Tidal volumes (ml)*	TV	mechanical ventilator
Set respiratory rate (per minute)*	RR <sub>set</sub>	mechanical ventilator

Variables with an \* are collected with clinical examination.

## REFERENCE:

1. Ait-Oufella H, Lemoine S, Boelle PY, et al. Mottling score predicts survival in septic shock, *Intensive Care Med* 2011;37:801-7