



## SOFA-score in the PRINCESS2-trial

SOFA-score shall be registered upon admission, after 24h, 48h and 72h.

- Upon admission, state the values true for the first hour in the ICU. No prehospital values are to be included. At 24h, state the most severe values registered during the first 24h. At 48h state the most severe values between 24h and 48h, and so on.

**1. Respiration** – the values for PaO<sub>2</sub> and FiO<sub>2</sub> shall be from the same time point.

**2. Coagulation** – Platelets, lowest value

**3. Liver** - Bilirubin, highest value

**4. Cardiovascular** – MAP and treatment with vasopressors/inotropy. The patient must have been treated with vasopressor/inotropy for at least 1 h.

**5. CNS – GCS** – Last documented status before the administration of sedatives shall be specified unless something new has been noted. I.e. the level of alertness with ongoing sedation shall not be specified, other than if this is expected to mirror the actual neurological status of the patient.

**6. Renal** – Creatinine or diuresis is the basis for registration, regardless the presence of renal replacement therapy (e.g. ongoing dialysis with normalized creatinine yet anuric is classified as diuresis <200 cc/24h). Urine volume for part of a day is extrapolated to volume per 24h.

	SOFA Score				
	0	1	2	3	4
Respiration					
PaO <sub>2</sub> /FiO <sub>2</sub> (torr)	>400	≤400	≤300	≤200 With respiratory support	≤100 With respiratory support
Coagulation					
Platelets (×10 <sup>9</sup> /mm <sup>3</sup> )	>150	≤150	≤100	≤50	≤20
Liver					
Bilirubin (mg/dL)	<1.2	1.2–1.9	2.0–5.9	6.0–11.9	>12.0
(μmol/L)	<20	20–32	33–101	102–204	>204
Cardiovascular					
Hypotension	No hypotension	MAP <70 mm Hg	Dopamine ≤5 or dobutamine (any dose) <sup>a</sup>	Dopamine >5 or epi ≤0.1 or norepi ≤0.1 <sup>a</sup>	Dopamine >15 or epi >0.1 or norepi >0.1 <sup>a</sup>
Central Nervous System					
Glasgow Coma Score	15	13–14	10–12	6–9	<6
Renal					
Creatinine (mg/dL)	<1.2	1.2–1.9	2.0–3.4	3.5–4.9	>5.0
(μmol/L)	<110	110–170	171–299	300–440	>440
or urine output				or <500 mL/day	or <200 mL/day

*Vincent J Let al. Use of the SOFA score to assess the incidence of organ dysfunction/failure in intensive care units: results of a multicenter, prospective study. Working group on "sepsis-related problems" of the European Society of Intensive Care Medicine. Crit Care Med. 1998 Nov;26(11):1793-800.*

epi, epinephrine; norepi, norepinephrine.

<sup>a</sup>Adrenergic agents administered for at least 1 hr (doses given are in μg/kg/min).

To convert torr to kPa, multiply the value by 0.1333.