

Table S5: Diagnostic sepsis 1/2-definition criteria for sepsis, severe sepsis and septic shock*.

SIRS (≥ 2 of 4 criteria fulfilled)
Temperature ≥ 38.0°C or < 35.5°C
Heart rate > 90/min or catecholamine requirement ≥ 4h (dose independent)
Respiratory rate > 20/min or p _a CO ₂ < 32mmHg or ventilation/NIV therapy
leukocytosis > 12.000/μl or leukopenia < 4.000/μl or > 10% immature neutrophils in differentia blood count
Sepsis (SIRS + infection)
confirmed infection
microbiologically confirmed infection
urgent suspicion of infection
Severe sepsis (Sepsis + organ dysfunction ≥ 2 criteria fulfilled)
Sepsis-induced hypotension (SBP < 90mmHg or MAP < 70mmHg or drop in SBP ≥ 40mmHg from baseline)**
Lactate ≥ 2 mmol/L**
Urine output < 0,5 mL/kg/h for 6-12h (=KDIGO stadium I)**
new onset creatinine increase of 1,5-1,9 times from baseline (=KDIGO Stadium I)**
acute respiratory failure p _a O ₂ /F _i O ₂ < 250 in the absence of pneumonia
acute respiratory failure p _a O ₂ /F _i O ₂ < 200 in presence of pneumonia
new increase of bilirubin > 2mg/dL
new onset of thrombocytopenia < 100.000 μL or platelet transfusion
new onset of coagulopathy (INR > 1,5)
septic encephalopathy (confusion, agitation)
metabolic acidosis (pH < 7,35 und BE < - 4mmol/L)
septic cardiomyopathy (HI < 3,0 L/min/m ² oder dobutamine-/levosimendan-/milrinone therapy (dose independent))
Septic shock
Sepsis-induced hypotension with norepinephrine or epinephrine requirement of ≥ 0,1 μg/kg/min**

*modified from Surviving Sepsis Campaign 2012 ([39, there Table 2) and 2001 International Sepsis Definitions Conference ([40], there Table 1); The applied criteria have been validated previously [41].

**under adequate volume therapy

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