

SIRS Rules

- Any two of the following will be positive SIRS
 - ① Temperature
 - $> 38^{\circ}\text{C}$ (100.4°F)
 - $< 36^{\circ}\text{C}$ ($< 96.4^{\circ}\text{F}$)
 - ② Heart rate > 90 beats per minute
 - In the absence of intrinsic heart disease
 - ③ Respiratory rate
 - > 20 breaths per minute
 - Arterial pressure of carbon dioxide (PaCO_2) < 32 mmHg
 - Mechanical ventilation
 - ④ White blood cell count
 - $> 12,000/\text{mm}^3$
 - $< 4,000/\text{mm}^3$
 - $> 10\%$ immature cells (i.e. bands)

Acute Organ Dysfunction Rule

- Oxygen saturation $< 90\%$
- Serum creatinine > 2.0
- Total bilirubin > 2.0
- Activated partial thromboplastin time
- Change in mental responsiveness
- Lactic acid > 2.2 mMol/L
- Systolic blood pressure (SBP) < 90 mmHg
- Mean arterial pressure (MAP) < 65