**Supplementary Table 1. Activation criteria for the rapid response system**

1. Blood pressure: systolic blood pressure < 90 mmHg + clinically correlated symptoms or signs
2. Heart rate: < 50/min or > 140/min, or symptomatic arrhythmia
3. Respiratory rate: < 10/min or > 30/min, or stridor/accessory muscle use
4. Body temperature: > 39°C or < 36°C
5. Pain: chest pain, suggesting angina or dissection; new or significant increase
6. Neurology: sudden loss of consciousness, unexplained agitation or anxiety, or unexplained seizure
7. Oxygenation: oxygen saturation < 90% in room air or facial mask > O₂ 8 L/min
8. Arterial blood gas analysis abnormality: \( \text{PaCO}_2 \) > 50 mmHg, pH < 7.3, or \( \text{PaO}_2 \) < 60 mmHg
9. Metabolic acidosis: lactic acid > 2.5 mM/L, TCO₂ < 15 mM/L
10. Direct calls: any serious concerns about overall deterioration detected by a doctor, nurse, or caregiver at bedside