

Chart 1. Theoretical knowledge test on identification, treatment, and management of sepsis. Campo Grande, MS, Brazil, 2018.

Questions
IDENTIFICATION
<p>1. According to current <i>Sepsis-3</i> updates, what is the definition of sepsis?</p> <p>A) An infection that evolved with uncorrected hypotension with volume replacement, irrespective of lactate changes;</p> <p>B) Suspected or confirmed infection, without organic dysfunction, irrespective of the presence of signs of Systemic inflammatory response syndrome;</p> <p>C) Presence of life-threatening organic dysfunction secondary to the body's unregulated response to infection;</p> <p>D) Suspected or confirmed infection without organic dysfunction;</p> <p>E) Infection characterized by the presence of at least two of the following clinical criteria: 1) body temperature >38°C or <36°C; 2) respiratory rate >20 breaths per minute or a partial pressure of CO₂ in arterial blood <32 mmHg; 3) heart rate >90 beats per minute; 4) significant increase or decrease in the number of white cells (leukocytes) in peripheral blood (>12.000 or <4.000 cells/mm³), or presence of more than 10% of young leukocytes (band cells).</p>
<p>2. From the alternatives below, which one contains only organ dysfunctions potentially caused by sepsis? (Select only one alternative)</p> <p>A) Hyperemia, hypotension, oliguria, and platelets <100,000/mm³ or decrease in 50% in the number of platelets in relation to the highest value recorded in the last 3 days.</p> <p>B) Decreased level of consciousness, hypotension, hyperlactatemia, and PaO₂/FiO₂ ratio <300.</p> <p>C) Significant increase in bilirubin, hypolactatemia, altered level of consciousness, and hypotension.</p> <p>D) Oliguria, hematoma, hypotension, and platelets <100,000/mm³ or decrease in 50% in the number of platelets in relation to the highest value recorded in the last 3 days.</p> <p>E) All alternatives are correct.</p>
<p>3. From the alternatives below, which one correctly presents the three components of the qSOFA Score?</p> <p>A) Glasgow coma scale <15, respiratory rate ≥22 bpm, and systolic blood pressure <100 mmHg.</p> <p>B) Decreased level of consciousness, oliguria, and azotemia.</p> <p>C) Systolic blood pressure <100 mmHg, hyperlactatemia, and thrombocytopenia.</p> <p>D) Systolic blood pressure <90 mmHg, metabolic acidosis, and hyperbilirubinemia.</p> <p>E) Glasgow coma scale <15, hyperlactatemia and respiratory rate ≥ 22 bpm.</p>
TREATMENT AND MANAGEMENT
<p>4. A 70 kg patient – diagnosed with sepsis, hypotension, and signs of hypoperfusion – received volume resuscitation of 1,400 ml of 0.9% saline. Is the volume infused in accordance with the guidelines for immediate volume replacement? () Yes (X) No () Does not know</p>
<p>5. The use of vasopressors is indicated for patients who remain with average blood pressure ≤75 mmHg (during or after infusion of volume), noradrenaline being the drug of first choice.</p> <p>() Yes (X) No () Does not know</p>
<p>6. Is the recommended time for initiation of intravenous antimicrobial therapy up to one hour after the recognition of sepsis and septic shock?</p> <p>(X) Yes () No () Does not know</p>
<p>7. Protein colloids, albumin, and albumin serum are contraindicated as initial resuscitation fluids.</p> <p>() Yes (X) No () Does not know</p>
<p>8. Should blood from two different sites be collected in all viable patients with suspected sepsis?</p> <p>(X) Yes () No () Does not know</p>
<p>9. Is the use of bicarbonate contraindicated in cases of lactic acidosis in patients with pH>7.15?</p> <p>(X) Yes () No () Does not know</p>

Nurses update on the management of sepsis

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10. Select the alternative that contains the perfusion parameters that can be reevaluated after volume resuscitation.

- A) Level of consciousness, diuresis, temperature, and vena cava distensibility.
- B) Measurement of central venous saturation, respiratory rate, capillary filling time, and diuresis.
- C) Pulse pressure variation, vena cava distensibility, lactate level, and level of consciousness.
- D) Capillary filling time, elevated creatinine, elevated blood pressure, and O₂ saturation.
- E) All alternatives are correct

Source: Created by the authors. Note: Alternatives written in bold type or marked with "X" correspond to the template.