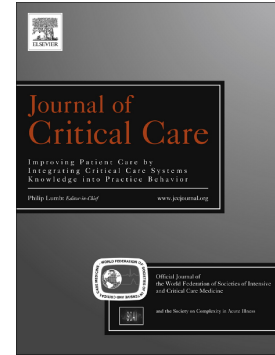


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Sustained increase in angiotensin-2, heparin-binding protein, and procalcitonin is associated with severe sepsis

Short Title: New biomarkers of severe infection

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Abbreviations: ED, emergency department; ICU, intensive care unit; SOFA, sequential organ failure assessment; SIRS, systemic inflammatory response syndrome; CISS, Critical Illness and Shock Study; MEDS, mortality in emergency department sepsis; CCI, Charlson comorbidity index; Ang-2, angiotensin-2; IL, interleukin; HBP, heparin-binding protein; PCT, procalcitonin; ADM, adrenomedullin; PAMP, pathogen-associated molecular pattern; TLR, Toll-like receptor; MCP-1, monocyte chemoattractant protein-1; MIP-1 β , macrophage inflammatory protein-1 β ; UPAR, urokinase plasminogen activator receptor; SI, shock index; CNRQ, calculated normalized relative quantity.

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