

KEY WORDS AND PHRASES FOR SIRS and SEPTIC SHOCK

clots (microthrombi) form in capillaries

decreased myocardial contractility

drop in blood glucose levels

extracellular killing by neutrophils damages blood vessel walls

extracellular killing by neutrophils damages tissues

hemorrhages

inflammatory cytokines (IL-1, IL-8, TNF-alpha NO, etc.)

Multiple Organ System Failure (MOSF)

Pathogen-Associated Molecular Patterns (PAMPs)

Pattern-Recognition Receptors (PRRs) on macrophages, dendritic cells, and other cells.

pH is too low for cellular enzyme reactions

plasma leakage into surrounding tissue

prolonged vasodilation decreases vascular resistance

pulmonary edema; no oxygenation of blood

without oxygen, cells switch to fermentation and produce acid end products