

Mechanisms Of Sepsis-induced Organ Dysfunction And Recovery

[DOWNLOAD HERE](#)

1;Table of Contents;5 2;Contributors;8 3;Common Abbreviations;13 3.1;.B;13 4;Setting the Scene;14 4.1;Introduction - What is the Cause of Death in Multiple Organ Failure?;14 4.2;The Role of Tissue Hypoxia;14 4.3;a;15 4.4;The Role of Cellular Alterations;15 4.5;The Role of the Mitochondrion;15 4.6;The Role of Necrosis and Apoptosis;16 4.7;..;16 4.8;The Role of pH;16 4.9;Role of Oxygen Free Radicals;17 4.10;The Role of Nitric Oxide;18 4.11;The Role of Carbon Monoxide;18 4.12;Other Pathways;19 4.13;Immune Dysregulation;19 4.14;;19 4.15;The Role of Fever;19 4.16;Influence of Organ Systems The Role of the Endothelium;20 4.17;The Role of Coagulation Abnormalities;20 4.18;The Role of the Epithelium;21 4.19;The Role of the Gut;21 4.20;The Role of the Brain;21 4.21;The Role of the Endocrine System;21 4.22;.B);22 4.23;.B);22 4.24;Interorgan Interplay;22 4.25;Therapeutic Interventions the Iatrogenic Component;22 4.26;Conclusion;23 4.27;References;23 5;Genetics and Severe Sepsis;29 5.1;Introduction;29 5.2;Rationale for Genetics in Sepsis and Infectious Diseases;29 5.3;Genetic Predisposition to Severe Sepsis: Mendelian or Non- Mendelian Genetics?;30 5.4;Single Gene Defects;30 5.5;.);31 5.6;.);31 5.7;Complex Multifactorial Disorders;31 5.8;Genetic Polymorphisms in Severe Sepsis and Septic Shock;32 5.9;Gene Polymorphisms Altering Pathogen Recognition (Table 2);33 5.10;Mannose Binding Lectin;33 5.11;Fc. Receptor Polymorphism and Encapsulated Bacteria Infections;35 5.12;LPS Complex Receptor;35 5.13;.B);35 5.14;Gene Polymorphisms Modifying the Inflammatory Immune Response;36 5.15;a;;36 5.16;Pro-inflammatory Cytokines: TNF-;36 5.17;a;36 5.18;a;36 5.19;a;37 5.20;a;37 5.21;a;37 5.22;a;37 5.23;a;37 5.24;a;37 5.25;a;37 5.26;Anti-inflammatory Cytokine SNPs: IL-10;38 5.27;.);38 5.28;=;38 5.29;Hemostatic Gene Polymorphisms and Severe Sepsis;39 5.30;a;39 5.31;Perspectives and Conclusions;40 5.32;References;41 6;Cell Signaling Pathways of the Innate Immune System During Acute Inflammation;46 6.1;Introduction;46 6.2;A Survey of the Currently Recognized Pattern Recognition Receptors;47 6.3;.B;47 6.4;.B);47 6.5;.B;47 6.6;.B;49 6.7;The TLR2 Complex;50 6.8;TLR3;51 6.9;);51 6.10;.B;51 6.11;TLR4;51 6.12;;51 6.13;TLR5;52 6.14;TLR7 and TLR8;53 6.15;.);53 6.16;TLR9;53 6.17;a;;53 6.18;.);53 6.19;TLR10;54 6.20;TLR11;54

6.21;The NOD Proteins;54 6.22;B;55 6.23;Coordination of TLR Signals in Response to Bacterial Pathogens;55 6.24;Coordination of TLR Signals in Response to Viral Pathogens;55 6.25;Coordination of TLR Signals in Response to Fungal Pathogens;59 6.26;Coordination of TLR Signals in Response to Parasitic Pathogens;59 6.27;The Contribution of the TLRs to Phagocytosis by Immune Effector Cells;60 6.28;Conclusion;62 6.29;References;62 7;Early-Onset Pro-inflammatory Cytokines;65 7.1;Introduction;65 7.2;Tumor Necrosis Factor;65 7.3;a;65 7.4;;65 7.5;Experimental Animal Models (Table 1);66 7.6;Clinical Studies;67 7.7;Interleukin-1;68 7.8;Experimental Animal Models (Table 1);69 7.9;Clinical Studies;69 7.10;Interleukin-6;70 7.11;Experimental Animal Models (Table 1);70 7.12;Clinical Studies;70 7.13;Interferon Gamma, Interleukin-12, and Interleukin 18;70 7.14;Experimental Animal Models (Table 2);71 7.15;Clinical Studies;71 7.16;Macrophage Migration Inhibitory Factor (MIF);72 7.17;Experimental Animal Models (Table 2);73 7.18;Clinical Studies;73 7.19;Conclusion;74 7.20;References;74 8;The Significance of HMGB1, a Late-Acting Pro-inflammatory Cytokine;77 8.1;Introduction;77 8.2;a;77 8.3;a;77 8.4;a;78 8.5;a;78 8.6;a;;78 8.7;a;78 8.8;a;;78 8.9;a;;78 8.10;a;78 8.11;a;78 8.12;a;78 8.13;a;;78 8.14;a;78 8.15;HMGB1 and Sepsis;79 8.16;a;79 8.17;a;;79 8.18;HMGB1, Hemorrhage, and Burns;79 8.19;g/;80 8.20;aandIL-;80 8.21;a;;80 8.22;HMGB1 and Acute Lung Injury;80 8.23;a;;80 8.24;a;80 8.25;Receptors for HMGB1 Include RAGE, TLR2, a EAN/ISBN : 9783540303282 Publisher(s): Springer, Berlin Discussed keywords: Sepsis Format: ePub/PDF

[DOWNLOAD HERE](#)

Similar manuals:

[Mechanisms Of Sepsis-Induced Organ Dysfunction And Recovery](#)

[Sepsis And Non-infectious Systemic Inflammation](#)

[Sepsis](#)