

Inhalt

VAN AKEN, Hugo, and VESTWEBER, Dietmar: Foreword	7
HEITZ, Philipp U.: Welcome by Leopoldina Executive Committee	9
ROSSAINT, Rolf, and ROSSAINT, Jan: Sepsis: A Challenge for Politicians, Researchers, and Clinicians	11

Basic Mechanisms – New Insights in an Old Problem

ZARBOCK, Alexander, and ROSSAINT, Jan: Pathogenesis of Sepsis and Multiple Organ Dysfunction Syndrome	21
LEY, Klaus: Mechanisms of Neutrophil Activation during Inflammation	29
VESTWEBER, Dietmar: Adhesion and Signalling Molecules Controlling Leukocyte Transmigration	33
KOCH, Alexander, and ZACHAROWSKI, Kai: Toll-Like Receptors	37
MCDONALD, Braedon, and KUBES, Paul: Intravascular Immunity to Infection and Sterile Inflammation (Extended Abstract)	51

Treatment of Sepsis – Challenges and New Concepts

THIEL, Manfred: Immunotherapy of Sepsis – A Review	55
WESTPHAL, Martin: Fluid Resuscitation in Sepsis – What, When and How (Much)?	69
MÖHNLE, Patrick, BRIEGEL, Josef, and KRETH, Simone: Corticosteroids in the Treatment of Sepsis (Extended Abstract)	73
PETERS, Georg: Treatment of Sepsis – Challenges and New Concepts (Extended Abstract)	77