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重症监护学

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Textbook of Critical Care



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4th Edition
(第4版)

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重症监护学

Textbook of Critical Care

第4版·上册

Fourth Edition • Volume 1

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Exsanguination; Thoracic Injuries

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Inotropic Therapy and the Critically Ill Patient

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Fiberoptic Bronchoscopy in the Intensive Care Unit

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Resuscitation of the Newborn

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Air Embolization; History and Organization of Organ Transplantation; Alternative Organ Donor Categories; Future of Transplantation (Including Xenografting); Forgoing Life-Sustaining Therapy in Intensive Care

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Medical Complications in the Patient with Cancer

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Critical Care Applications of Large Data Bases

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Central Nervous System Infections

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Sedatives and Analgesics in Critical Care

PERRY V. HALUSHKA, PhD, MD

Professor of Pharmacology and Medicine, Medical University of South Carolina College of Medicine, Charleston, South Carolina.

Prostaglandins, Thromboxanes, Leukotrienes, and Other Products of Arachidonic Acid

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Exsanguination; Thoracic Injuries

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Neutrophil-Endothelial Cell Interactions

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Building Bedside Collaborative Practice

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Conduction Disturbances and Cardiac Arrhythmias in the Critically Ill

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Anaphylactic Reactions

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Accidental Hypothermia

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Preventing Complications in the Intensive Care Unit

DANIEL A. HENRY, MD

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Critical Care Imaging of the Chest

LYNN J. HERNAN, MD

Assistant Professor of Pediatrics and Anesthesiology, State University of New York at Buffalo School of Medicine and Biomedical Sciences. Associate Director, Pediatric Intensive Care Unit, Children's Hospital of Buffalo, Buffalo, New York.

Congestive Heart Failure in Infants and Children; Partial Liquid Ventilation

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Acute Pain in the Intensive Care Unit

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Professor of Medicine and Chairman, Division of Cardiopulmonary Laboratories and Research, Medical College of Virginia School of Medicine, Virginia Commonwealth University, Richmond, Virginia.

Applied Cardiovascular Physiology in the Critically Ill; Contemporary Thrombolytic Therapy in Acute Myocardial Infarction; Interventional Therapies for Cardiogenic Shock; Inotropic Therapy and the Critically Ill Patient

THOMAS L. HIGGINS, MD, FACP, FCCM

Associate Professor of Medicine and Anesthesiology, Tufts University School of Medicine, Boston. Director, Adult Critical Care Service, Baystate Medical Center, Springfield, Massachusetts.

Severity of Illness Indices and Outcome Prediction: Development and Evaluation

MICHAEL H. HINES, MD

Assistant Professor, Cardiothoracic Surgery, and Director, Extracorporeal Membrane Oxygenation, Wake Forest University School of Medicine. Attending Surgeon, Wake Forest University Baptist Medical Center, Winston-Salem, North Carolina.

Use of Mechanical Circulatory Support Systems in Critically Ill Patients

ELIZABETH HINGSBERGEN, MD

Assistant Professor of Radiology and Pediatrics, Medical College of Virginia School of Medicine, Virginia Commonwealth University. Medical Staff, Children's Hospital, Richmond, Virginia.

Chest Imaging in Pediatric Intensive Care

MICHAEL J. HOCKSTEIN, MD, FCCP

Medical Director, Surgical Intensive Care Unit, Washington Hospital Center, Washington, D.C.

New Techniques in Management of the Cardiac Surgery Patient

STUART HOROWITZ, PhD

Director, Research and Technology, The Heart and Lung Institute, Jewish Hospital, Louisville, Kentucky.

Apoptosis in Critical Illness

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Sedatives and Analgesics in Critical Care

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Surgical Problems in the Critically Ill Oncologic Patient

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Professor of Medicine, University of Calgary Faculty of Medicine. Director, Thrombosis Research Unit, Foothills Hospital, Calgary, Alberta, Canada.

Treatment of Massive Pulmonary Embolism; Diagnosis and Treatment of Venous Thromboembolism

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Life-Threatening Hemoptysis

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Hypertensive Emergencies in Infants and Children

MICHAEL R. JACOBS, MB, BCh, PhD, MRCPATH

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Laboratory Diagnosis of Infection

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Contemporary Thrombolytic Therapy in Acute Myocardial Infarction; Interventional Therapies for Cardiogenic Shock

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Cellular Effectors of the Septic Process

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Micronutrient Deficiencies

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Severe Gastrointestinal Hemorrhage

HOWARD JOLLES, MD

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Critical Care Imaging of the Chest

VERN C. JUEL, MD

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Neuromuscular Disorders in Critical Care

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Accidental Hypothermia; Trauma to the Pregnant Patient

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Controlled Mechanical Ventilation

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Central Nervous System Infections

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Drug-Kidney Interactions

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Multiple Organ Procurement

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Inotropic Therapy and the Critically Ill Patient

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Postoperative Confusion

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Antimicrobial Therapy in the Critical Care Setting

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Acute Parenchymal Disease in Childhood

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Severe Heart Failure in Cardiomyopathy: Pathogenesis and Treatment

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Apoptosis in Critical Illness

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Critical Care Aspects of Lung Transplantation

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Diagnosis and Treatment of Acid-Base Disorders; Appraising and Using Evidence in Critical Care

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Intra-abdominal Sepsis

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Principles of Immunosuppression

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Clinical Decision Units and Acute Medical Emergencies

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Treatment of Myocardial Infarction

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Hematopoietic Colony-Stimulating Factors

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Neuropathophysiology

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Echocardiography in Critical Care

ROBERT L. KORMOS, MD

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Multiple Organ Procurement

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Intensive Care of Liver Transplant Recipients

JOHN W. KREIT, MD

Assistant Professor of Medicine, University of Pittsburgh School of Medicine. Director, Medical Intensive Care Unit, VA Medical Center, Pittsburgh, Pennsylvania.
Mechanics of the Respiratory System

FRED J. LAINE, MD

Associate Professor of Radiology and Otolaryngology, Medical College of Virginia School of Medicine, Virginia Commonwealth University, Richmond, Virginia.

Imaging of the Central Nervous System in the Critical Care Patient

LUIS LANDÍN, MD, PhD

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Nitric Oxide in Critical Illness

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Neuroendocrine Immunology in the Critically Ill Patient

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Drowning and Near-Drowning

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Apoptosis in Critical Illness

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Infections After Solid Organ Transplantation

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Use of Mechanical Circulatory Support Systems in Critically Ill Patients

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Nitric Oxide in Critical Illness

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Management of HIV and AIDS-Related Infection in the Intensive Care Unit

PHILIP D. LUMB, MB, BS, FCCM

Eric A. Walker Professor and Chairman, Department of Anesthesia, Pennsylvania State University College of Medicine. Director, Division of Anesthesia, South Central Operating Team, Penn State Geisinger Health System, Milton S. Hershey Medical Center, Hershey, Pennsylvania.

Conventional Airway Access

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Basic Pharmacologic Principles and Drug Monitoring

NEIL R. MacINTYRE, MD

Professor of Medicine, Duke University School of Medicine. Medical Director, Respiratory Care, Duke University Medical Center, Durham, North Carolina.

Patient-Ventilator Interactions; Weaning from Ventilatory Support in Hypoxemic Respiratory Failure

ROBERT C. MACKERSIE, MD, FACS

Professor of Surgery, University of California, San Francisco, School of Medicine. Director, Trauma Services, San Francisco General Hospital, San Francisco, California.

Transfusion Therapy

LUIS MALDONADO, MD

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Proximal Airway Disorders in the Pediatric Patient

ROBERT J. MANGIALARDI, MD

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Management Controversies in Acute Respiratory Distress Syndrome

JOHN J. MARINI, MD

Professor of Medicine, University of Minnesota Medical School—Minneapolis. Chairman of Academic Medicine, and Director of Pulmonary and Critical Care Medicine, Regions Hospital, St. Paul, Minnesota.

Partial Ventilatory Assist; Initial Management of Acute Hypoxemia

IGNAZIO ROBERTO MARINO, MD, FACS

Associate Professor of Surgery, University of Pittsburgh School of Medicine. Associate Director, Transplant Division, Veterans Affairs Medical Center. Director, European Medical Division, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania.

Multiple Organ Procurement

LAWRENCE F. MARSHALL, MD

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Management of Traumatic Brain Injury in the Intensive Care Unit

G. DANIEL MARTICH, MD

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Heart Transplantation

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Basic Pharmacologic Principles and Drug Monitoring

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Intensive Care of Liver Transplant Recipients; Intestinal and Multiple Organ Transplantation

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Critical Care of Kidney Transplant Recipients

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Cellular Signaling and Cell Death

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Surfactant Physiology, Metabolism, Function, and Therapy

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Exsanguination

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Oxygenation Strategy

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Hyperthermia; Anesthesia for High-Risk Patients

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Acute Respiratory Failure in Patients with Chronic Obstructive Pulmonary Disease

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Pulmonary Aspiration

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Future of Transplantation (Including Xenografting)

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Hyperbaric Oxygen in Critical Care

ERNEST E. MOORE, MD

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Role of the Gut in Multiple Organ Failure

MATTHEW L. MORONT, MD

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Intensive Care Management of the Injured Child

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Management of Traumatic Brain Injury in the Intensive Care Unit; Modern Management of Acute Spinal Cord Injury

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Pediatric Neurosurgical Emergencies

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Barriers to Effective Patient Care

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Abdominal Trauma

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Evaluating Pediatric Critical Care

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Interventional Radiology for the Critically Ill Patient

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Infections in the Surgical Critical Care Unit

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Echocardiography in Critical Care

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Catheter Colonization and Catheter-Related Bacteremia

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Clinical Decision Units and Acute Medical Emergencies

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Critical Care Aspects of Lung Transplantation

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Use of Mechanical Circulatory Support Systems in Critically Ill Patients

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Endocrine Emergencies

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Critical Care Applications of Large Data Bases

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Life-Threatening Asthma

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Medical Toxicology in Critical Care Medicine

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Exsanguination; Thoracic Injuries

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Air Embolization

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The Coagulopathy of Trauma

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Severe Heart Failure in Cardiomyopathy: Pathogenesis and Treatment

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Intravenous and Intra-arterial Access

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Intravenous and Intra-arterial Access; Invasive and Noninvasive Monitoring

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Pneumonia in the Immunosuppressed Patient

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Use of Mechanical Circulatory Support Systems in Critically Ill Patients

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Bacterial Pneumonia in Adult Respiratory Distress Syndrome

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Bone Marrow Transplantation

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Injuries by Venomous and Poisonous Animals

GRAHAM F. PINEO, MD

Professor of Medicine, University of Calgary Faculty of Medicine. Director, Thrombosis Research Unit, Foothills Hospital, Calgary, Alberta, Canada.

Treatment of Massive Pulmonary Embolism; Diagnosis and Treatment of Venous Thromboembolism

SUSAN K. PINGLETON, MD

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Adjunctive Respiratory Therapy

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Heart-Lung Interactions

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Evaluation of Coma

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Evaluating Pediatric Critical Care

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Brain Death—Definition, Determination, and Physiologic Effects on Donor Organs; Alternative Organ Donor Categories

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Neuromuscular Blocking Drugs in Patients in the Intensive Care Unit

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Brain Function Monitoring

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Cellular Effectors of the Septic Process

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Appraising and Using Evidence in Critical Care

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Injuries by Venomous and Poisonous Animals

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Future of Transplantation (Including Xenografting)

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Diagnosis and Treatment of Venous Thromboembolism

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Complementary Modalities of Care: A Future That Is Here Now

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Genetic Influences on Critical Illness

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