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Nota di contenuto	Introduction (Jukka Takala) -- Part I. Physiology and Pathophysiology -- Chapter 1. Shock: definition and recognition (Massimo Antonelli) -- Chapter 2. Assessing the adequacy of cardiac output (Jean-Louis Vincent) -- Chapter 3. The determinants of Venous Return (Maurizio Cecconi) -- Chapter 4. Arterial blood Pressure Regulation (Michel Pinsky) -- Chapter 5. Pulmonary Circulation (Marco Maggiorini) -- Chapter 6. Heart Rate (Paul Marik) -- Chapter 7. Autonomic Dysfunction in Shock (Gareth Ackland) -- Chapter 8. Oxygen Delivery (Luciano Gattinoni) -- Chapter 9. Mitochondrial Function (Mervyn Singer) -- Chapter 10. Perioperative Hemodynamics (Andrew Rhodes) -- Chapter 11. Haemodynamics and Extracorporeal Circulation (Alain Combes) -- Part II. Clinical Assessment and Measurements -- Chapter 12. Clinical Assessment of Hemodynamic Instability (Jan Bakker) -- Chapter 13. Assessment of the microcirculation (Daniel De Backer) -- Chapter 14. SvO2/ScVO2 (Zsolt Molnar) -- Chapter 15. pcO2 gap (Ospina-Tascon) -- Chapter 16. Lactate (Glenn Hernandez) -- Part III. The Techniques -- Chapter 17. Cardiac Ultrasound Examination in Shock (Antoine Viellard Baron) -- Chapter 18. Non Cardiac Ultrasound

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Sommario/riassunto

This book, part of the European Society of Intensive Care Medicine textbook series, teaches readers how to use hemodynamic monitoring, an essential skill for today's intensivists. It offers a valuable guide for beginners, as well as for experienced intensivists who want to hone their skills, helping both groups detect an inadequacy of perfusion and make the right choices to achieve the main goal of hemodynamic monitoring in the critically ill, i.e., to correctly assess the cardiovascular system and its response to tissue oxygen demands. The book is divided into distinguished sections: from physiology to pathophysiology; clinical assessment and measurements; and clinical practice achievements including techniques, the basic goals in clinical practice as well as the more appropriate hemodynamic therapy to be applied in different conditions. All chapters use a learning-oriented style, with practical examples, key points and take home messages, helping readers quickly absorb the content and, at the same time, apply what they have learned in the clinical setting. The European Society of Intensive Care Medicine has developed the Lessons from the ICU series with the vision of providing focused and state-of-the-art overviews of central topics in Intensive Care and optimal resources for clinicians working in Intensive Care.
