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Nota di contenuto	Chapter 1. Introduction -- chapter 2. Indications and contraindications -- Chapter 3. Equipment and Preparation for Central Venous Cannulation -- Chapter 4. Access Techniques -- Chapter 5. Central Venous Catheter (CVC) Insertion Techniques Insertion techniques for central venous catheters and management of catheter-related complications -- Chapter 6. Long-term Central Venous Access -- Chapter 7. Special Considerations -- Chapter 8. Alternative Access Techniques -- Chapter 9. Future Directions and Advances.
Sommario/riassunto	This book provides detailed guidance and tips on using ultrasound and other non-invasive techniques for inserting central venous catheters. It also offers advice on the available equipment, manoeuvres for accessing the venous system, and techniques for evaluating tip placement. Moreover, it provides a complete view of the prevention, diagnosis, and management of catheter-related complications (infection, thrombosis and dislodgment) and instructions on catheter care and maintenance. A hint at emerging technologies and techniques for central venous cannulation is also included. Central venous access devices have become a fundamental tool in daily clinical practice, especially in ICU settings and in the management of oncology patients,

where all physicians are expected to know what, when and how to place such devices. In addition, oncology patients need these devices in the early stages of active treatment and in the end phases for palliative measures. As of today, totally implantable venous access devices are considered safe, reliable, and effective for administering chemotherapy and parental treatment, with a low morbidity and complication rate. Primarily focused on illustrating practical and operative instructions, this book will be an invaluable tool for many professionals, including oncologists, anaesthesiologists, radiologists, surgeons, registered nurses, nurse practitioners, nutritionists, physicians and physician assistants. .
