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Note generali	Includes index.
Nota di contenuto	1. Ultrasound Physics & Overview -- 2. Ultrasound Probe Selection, Knobology and Optimization of Image Quality -- 3. Basic ultrasound needling techniques -- 4. Practical US Guided Vascular Access -- 5. Ultrasound for Head Assessment: Diagnosis and Treatment -- 6. Ultrasound for Neck: Airway and Thyroid -- 7. Ultrasound Technique for Common Head and Neck Blocks -- 8. Ultrasound for Spine and Nerve Blocks -- 9. Ultrasound for chest: Heart and TTE -- 10. Ultrasound for Chest: Lung and Pleural Examination and Diagnosis -- 11. Ultrasound-Guided Nerve Blocks for Chest -- 12. Ultrasound for Abdomen and FAST: Evaluation and Diagnosis -- 13. Ultrasound guided nerve blocks for Abdomen -- 14. Shoulder Joint Sonoanatomy and Ultrasound-Guided Shoulder Joint Injection -- 15. Elbow Joint Sonoanatomy and Ultrasound-Guided Elbow Joint Injection -- 16. Wrist Joint Sonoanatomy and Ultrasound-Guided Wrist Joint Injection -- 17. Hip Joint Sonoanatomy and Ultrasound-Guided Hip Joint Injection -- 18. Knee Joint Sonoanatomy and Ultrasound-Guided Knee Joint Injection -- 19. Ankle sonoanatomy and US guided joint blocks -- 20. Ultrasound guided brachial plexus block -- 21. Ultrasound Guided Nerve Blocks for Lower Extremity -- 22. Dermatologic Conditions --

23. Clinical Utilization of Ultrasound in Vascular Disease -- 24. The Utility of Ultrasound in Airway Management -- 25. The Role of Ultrasound in the Management of Cardiac Patients.-Fundamentals of gynecologic ultrasound -- 27. Ultrasound in Orthopaedics -- 28. The Role of Ultrasound in the Critical Care Setting -- 29. The use and advantages of ultrasound in urology -- 30. Practicality of Ultrasound in Emergency medicine -- 31. Ultrasound Guided Interventions -- 32. Cranial Ultrasound -- 33. Fundamentals of Point of Care Ultrasound Applications in Perioperative Settings.

Sommario/riassunto

This practical, concise, and evidence-based book provides an overview to using ultrasound within inpatient and outpatient settings and in various specialties. It aims to improve understanding of ultrasound for the diagnosis, treatment and coordination of effective managed care. Written by experts in the field, this 33-chapter reference begins with an introduction to the basics of ultrasound physics. While the first chapter provides a comprehensive overview, following chapters dive into the specifics of ultrasound optimization and techniques. Subsequent topics covered consist of the utilization of ultrasound technology in the diagnosis of a multitude of conditions in various specialties including airway management, orthopedics, osteoarthritis, obstetrics, and areas in pediatrics. The need, techniques, and the interpretation of ultrasound to improve medical care are discussed in detail. Unique and pragmatic, Ultrasound Fundamentals is a presents itself as an essential resource for fundamental ultrasound guidance medical practitioners in a variety of roles.
