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Titolo	Advanced Point-of-Care Ultrasound : A Comprehensive Review // edited by Michael Gottlieb, Nova Panebianco
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ISBN	3-031-85308-3
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (1132 pages)
Altri autori (Persone)	PanebiancoNova
Disciplina	616.07543
Soggetti	Emergency medicine Internal medicine Radiology Surgery Emergency Medicine Internal Medicine
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Livello bibliografico	Monografia
Nota di contenuto	An Introduction to Point of Care Ultrasound -- Ultrasound Physics Knobology and Safety -- Ultrasound for Trauma Evaluation -- Core Cardiac Ultrasound -- Advanced Cardiac Ultrasound -- Transesophageal Echocardiography -- Thoracic and Lung Ultrasound -- Ultrasound of the Aorta -- Renal and Urinary Bladder Ultrasound -- Hepatobiliary Pancreas and Spleen Ultrasound -- Gastrointestinal Ultrasound -- Obstetric Clinical Ultrasound -- Gynecological Ultrasound -- Male Genitourinary Ultrasound -- Ocular Ultrasound -- Central Nervous System Ultrasound -- Head and Neck Ultrasound -- Skin and Soft Tissue Ultrasound -- Musculoskeletal Ultrasound -- Vascular Ultrasound -- Ultrasound guided procedures -- Ultrasound guided Nerve Blocks -- Resuscitative Ultrasound -- Ultrasound Education -- Ultrasound Research -- Diversity Equity and Inclusion in Point of Care Ultrasound -- Administration of Ultrasound Programs -- System Management and Information Technology -- Emerging Applications in Point of Care Ultrasound -- Ultrasound Applications in Global Health.
Sommario/riassunto	This book is a structured and comprehensive source of detailed

information on advanced point-of-care ultrasound (POCUS) applications. Dating back to the 1990s with the FAST exam for trauma, the scope of this imaging modality has expanded widely and been adopted by almost all medicine specialties. POCUS is increasingly being integrated into medical school and residency curricula globally and innovations in technology continue to make the devices smaller and lighter, with better image quality and advanced features, facilitating accessibility and use by health care providers wherever it is needed. This volume is organized into four sections: organ systems, procedures, disease-state protocols, and high-level information for individuals building educational programs and for those in leadership roles. The chapters dedicated to organ systems cover ultrasound of the heart, lung, eye, head, neck, and many others. Following a chapter on ultrasound guidance for various procedures, chapters cover ultrasound-guided nerve blocks and resuscitative ultrasound. The book closes with several chapters relevant to ultrasound education and leadership, including chapters that discuss research; diversity, equity, and inclusion; administration of ultrasound programs; and emerging applications of ultrasound. In the hands of appropriately trained users, POCUS augments diagnostic accuracy, allows for timely diagnosis, and improves procedural safety and success rates. Advanced Point-of-Care Ultrasound: A Comprehensive Review reviews core foundational knowledge and provides comprehensive information on advanced techniques, applications, and innovations to address the resource gap for POCUS providers who wish to elevate their knowledge to a higher level.
