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Titolo	Intraosseous Vascular Access : A Guide for Healthcare Professionals // edited by James H. Paxton
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ISBN	9783031612015
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Descrizione fisica	1 online resource (330 pages)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. A History of Intraosseous Vascular Access -- 2. Anatomy and Physiology of Intraosseous Infusion -- 3. Indications and Contraindications -- 4. Intraosseous Access Site Selection -- 5. Manual Intraosseous Devices -- 6. Automatic and Semi-Automatic Devices -- 7. Flow Rates with Intraosseous Catheterization -- 8. Intraosseous Medication Administration -- 9. Complications of Intraosseous Access -- 10. Pain with Intraosseous Infusion -- 11. Decision-Making for Intraosseous Infusion -- 12. The Future of Intraosseous Vascular Access.
Sommario/riassunto	This book summarizes nearly a century of accumulated knowledge on therapeutic intraosseous (IO) access into a concise and well-written review. The emergent infusion of fluids and medications through the IO route can be lifesaving for patients experiencing cardiac arrest, respiratory failure, and other life-threatening medical conditions. Unfortunately, many providers lack the anatomic, therapeutic, and procedural knowledge needed to deploy these devices safely and effectively in critically ill patients. Written for a mixed audience of healthcare professionals, the book opens with an introduction to the relevant anatomy and physiology for those unfamiliar with IO infusion before moving into more advanced topics. The authors cite up-to-date literature on a variety of essential topics, including device and access site selection, decision-making, fluid infusion flow rates, limits of IO

technology, compatible medications, complications, pain, and relative contraindications to IO infusion. The book closes with a discussion of the future of IO vascular access and the questions that will guide future research. *Intraosseous Vascular Access: A Guide for Healthcare Professionals* is an indispensable reference for any healthcare provider, especially patient care technicians, nurses, medical students, resident physicians, practicing clinicians (including ED, ICU, and floor medicine doctors), and EMS paramedics who place and manage IO catheters.

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