

1. Record Nr.	UNINA9910869159603321
Titolo	Intraosseous Vascular Access : A Guide for Healthcare Professionals // edited by James H. Paxton
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	9783031612015
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (330 pages)
Disciplina	611.718
Soggetti	Emergency medicine Emergency Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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.

2. Record Nr.

Titolo

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Data Management, Analytics and Innovation : Proceedings of ICDMAI 2021, Volume 2 // edited by Neha Sharma, Amlan Chakrabarti, Valentina Emilia Balas, Alfred M. Bruckstein

Pubbl/distr/stampa

Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022

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9789811629365
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Edizione

[1st ed. 2022.]

Descrizione fisica

1 online resource (530 pages)

Collana

Lecture Notes on Data Engineering and Communications Technologies, , 2367-4520 ; ; 71

Disciplina

006.3

Soggetti

Computational intelligence
Engineering - Data processing
Big data
Computational Intelligence
Data Engineering
Big Data

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Nota di contenuto

Simulation of Lotka-Volterra Equations using Differentiable Programming in Julia -- Feature Selection Strategy for Multi Residents Behavior Analysis in Smart Home Environment -- A Comparative Study

on Self-learning Techniques for Securing Digital Devices -- An intelligent, Geo-Replication, Energy Efficient BAN Routing Algorithm under Framework of Machine Learning and Cloud Computing -- New Credibilistic Real Option Model Based on the Pessimism-Optimism Character of a Decision-Maker -- Analysis of Road Accidents in India and Prediction of Accident Severity -- Mining Opinion Features & Sentiment Analysis with Synonymy Aspects -- Understanding Employee Attrition Using Machine Learning Techniques.

Sommario/riassunto

This book presents the latest findings in the areas of data management and smart computing, machine learning, big data management, artificial intelligence, and data analytics, along with advances in network technologies. The book is a collection of peer-reviewed research papers presented at Fifth International Conference on Data Management, Analytics and Innovation (ICDMAI 2021), held during January 15–17, 2021, in a virtual mode. It addresses state-of-the-art topics and discusses challenges and solutions for future development. Gathering original, unpublished contributions by scientists from around the globe, the book is mainly intended for a professional audience of researchers and practitioners in academia and industry.
