

1. Record Nr.	UNINA9910728388303321
Autore	Lerman Jerrold
Titolo	Neonatal Anesthesia [[electronic resource] /] / edited by Jerrold Lerman
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783031253584 9783031253577
Edizione	[2nd ed. 2023.]
Descrizione fisica	1 online resource (653 pages)
Disciplina	617.9/682
Soggetti	Anesthesiology Pediatrics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The History of Neonatal Anesthesia -- Physiology and Development of the Term and Preterm Neonate -- Anesthesia and ancillary drugs & the neonate -- Selection of Anesthesia Techniques for the Neonate -- Airway Management -- Neonatal ventilation -- Perioperative monitoring: Methods, Implementation and Interpretation -- Metabolic care of the preterm and term infant, including control of body temperature -- Thoracoabdominal and General Surgery -- Neurosurgery & Ophthalmology -- Cardiac Surgery -- ECMO in Neonates -- Anesthesia Outside the Operating Room -- Fetal Surgery and the EXIT Procedure -- Neonatal Pain: Significance, Assessment & Management -- Regional Anesthesia for the Neonate -- Anesthetic Complications in the Neonate; Incidence, Prevention and Management -- Do anesthetic drugs harm neonates? A global perspective -- Neonatal Resuscitation for Anesthesiologists -- Ethical and medico-legal considerations.
Sommario/riassunto	Since publication of the first edition in 2015, neonatal anesthesia and surgery have advanced at lightning speed with many new developments, hence the need to update several essential topics. These include our understanding of neonatal apoptosis, the ever-increasing use of regional anesthesia in neonates, pharmacology of drugs in neonates, the delivery of anesthesia outside the operating room, neonatal resuscitation/guidelines, and perinatal complexities such as

the EXIT procedure together with the fundamental principles of developmental physiology, airway management and ventilation as well as perioperative complications and ethical considerations that are unique to this age group. This comprehensive and well-illustrated book is led by Dr. Jerrold Lerman who brings four decades of research, publication and clinical experience in pediatric and neonatal anesthesia. He has amassed a team of recognized international experts in neonatal anesthesia, surgery, and intensive care to share their knowledge in managing neonates for the challenges they face both within and without the surgical suites. Neonatal Anesthesia, the 2nd edition, is the quintessential clinical reference for perioperative care of these small patients that should be read by trainees as well as experienced clinicians and is certain to become an invaluable resource for every anesthetic and critical care department that serves children.

---