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Nota di contenuto	Title page; Copyright page; Contents; List of Contributors; Acknowledgements; Section 1: Introduction to Paediatric Intensive Care Nursing; Chapter 1: Introduction to Children's Intensive Care; Introduction and background; The organisation of PICU care; Differentiating paediatric intensive care; Commissioning auditing and costing; Standards for staffing and skill mix; Developing roles in PICU; Education in PICU; Higher education and professional body partnerships; New ways of learning in PICU; Conclusion; References Chapter 2: Assessment and Management of the Critically Ill Child/ResuscitationIntroduction; The priority; Second-level priorities; Fluids and drugs; Calorie requirement and nutrition; Potential impact on development and disability; Indicators of brain injury; Essential nursing care; Skin assessment; Bowel and bladder care in the PICU; Oral hygiene; Eye care; Passive limb physiotherapy; Resuscitation in the PICU; Drugs used in resuscitation; Adrenaline; Amiodarone; Atropine;

Sodium bicarbonate; Dextrose; Electrolytes (magnesium and calcium); Parents present during resuscitation
Advance directives, personal resuscitation plans, end-of-life instructions
Not for resuscitation; Withdrawing and withholding intervention; Conclusion; References; Chapter 3: Physiological Monitoring of Infants and Children in the Intensive Care Unit; Introduction; General safety and preparation before use; Electrocardiographic (ECG) monitoring; Five-electrode limb leads plus one precordial lead combination; Troubleshooting ECG monitoring (Table); Twelve-lead ECG recording (Figure); Atrial wire ECG recordings; Invasive pressure monitoring; Maintaining line patency
Arterial lines and monitoring
Physiology of the arterial pressure-pulse wave (arterial waveform) (Figure); Central venous pressure (CVP) monitoring; Pulse oximetry; Capnography and ETCO₂ monitoring; Near-infrared spectroscopy; Conclusion; References; Section 2: Systems Approach; Chapter 4: Care of an Infant or Child with a Respiratory Illness and/or the Need for Respiratory Support; Introduction; Embryology; Transition to extra-uterine respiratory function; Brief overview of respiratory physiology; The role of surfactant; Gas exchange; Gas transport; Control of respiration
Central chemoreceptors
Peripheral chemoreceptors; Lung stretch receptors; Joint and muscle receptors; Irritant receptors; J receptors (juxtacapillary receptors); Ventilation perfusion ratio and mismatch; Pulmonary volumes and capacities; Respiratory assessment; Physical inspection; Cyanosis; Palpation; Crepitus; Pleural friction rub; Percussion; The respiratory rate and rhythm; Auscultation; The chest X-ray; Blood gas analysis; Buffering system; Compensatory mechanisms; Electrolytes and acid base balance; Normal blood gas values; Blood gas interpretation
Systemic effects of a respiratory acidosis

Sommario/riassunto

The needs of critically ill children are unique and highly specialized. Paediatric Intensive Care Nursing is an essential manual of care and an invaluable resource to all those involved in the care of critically ill children and young people. Covering all the key aspects of paediatric intensive care, it is a fully comprehensive textbook which provides an evidence-based and up-to-date guide for all nurses who work with critically ill children. Paediatric Intensive Care Nursing is divided into four user-friendly sections: The first section looks at the general ba
