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Titolo	Advances in Critical Care Pediatric Nephrology : Point of Care Ultrasound and Diagnostics / / edited by Sidharth Kumar Sethi, Rupesh Raina, Mignon McCulloch, Timothy E. Bunchman
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ISBN	981-334-554-3
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (X, 207 p. 59 illus., 43 illus. in color.)
Disciplina	616.028
Soggetti	Critical care medicine Emergency medicine Radiology Pediatrics Nephrology Intensive Care Medicine Emergency Medicine Nefrologia pediàtrica Medicina intensiva Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	SECTION I: Point of Care Ultrasound: Introduction and advantages of point of care ultrasound in intensive care -- Modes and equipment -- Sonography of the kidneys -- Ultrasound guidance for procedure -- Lung ultrasound and cardiac assessment for intravascular volume status -- Permanent vascular access for hemodialysis -- Focused echocardiogram -- Need for training and certification -- SECTION II: Diagnostics: Fluid overload and kidney injury score: a multidimensional real-time assessment of renal disease burden in the critically ill patient -- Blood volume monitoring on fluid removal during intermittent hemodialysis of critically ill children with acute kidney injury -- Subclinical acute kidney injury and adverse outcomes in critically ill neonates and children -- Acute kidney injury defined by fluid corrected

creatinine in neonates after the cardiac surgeries -- Pediatric AKI based on the reference change value of serum creatinin-pROCK -- Cardiac surgery-associated kidney injury in children and renal oximetry -- Serum and urine FGF23 and IGFBP-7 for the prediction of acute kidney injury in critically ill children -- Renal functional reserve and furosemide stress test -- Associations of perioperative renal oximetry via near-infrared spectroscopy, and postoperative acute kidney injury in infants after congenital heart surgery -- Using age-specific biomarker ranges for diagnosis and prognosis in pediatric AKI.

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## Sommario/riassunto

The book covers advances in critical care pediatric nephrology, including care of sick children with acute kidney injury. The book contains detailed guidance on point of care ultrasound in children with acute kidney injury and use of biomarkers in critically sick children. This is an annual theme-based book with the current theme of 'point of care ultrasound in critical care pediatric nephrology and newer diagnostics in acute kidney injury'. This is the first book of the set of books to be published annually with a different theme related to critical care pediatric nephrology each year with the collaboration of the Pediatric Continuous Renal Replacement Therapy (PCRRT) Foundation and International Collaboration of Nephrologists & Intensivists for Critical Care in Children (ICONIC). This annual updates book contains 20 chapters, written and edited by leading experts in pediatric intensive care, pediatric nephrology and nephrologists specializing in point of care ultrasound from across the globe. It includes top studies in the last few years in critical care pediatric nephrology on point of care ultrasound and diagnostics. Chapters cover scientifically updated information by international experts on each topic. It offers assistance to pediatricians, pediatric nephrologists, pediatric intensivists and residents.

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