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Nota di contenuto	Embryology -- Glomerular Circulation and Function -- Renal Tubular Development -- Perinatal Urology Renal Dysplasia/Hypoplasia -- Syndromes and Malformations of the Urinary Tract -- Sodium and Water: Developmental Physiology and Basic Disorders -- Potassium: Developmental Physiology and Basic Disorders -- Acid-Base Homeostasis: Developmental Physiology and Basic Disorders -- Calcium and Phosphorus: Developmental Physiology -- Disorders of Calcium and Phosphate and Therapy Nutrition: Developmental Physiology and Basic Disorders -- Fluid and Electrolyte Maintenance and Therapy of Basic Disorders (Na/HO/K/Acid Base) -- Molecular Biology -- Animal Models -- Clinical Investigation -- Genomic Methods in the Diagnosis and Treatment of Pediatric Kidney Disease -- Renal Stem Cells -- Tissue Engineering -- Clinical Evaluation -- Laboratory Investigation -- Growth and Development -- Diagnostic Imaging -- Renal Pathology -- Congenital Nephrotic Syndrome -- Inherited

Glomerular Diseases -- Idiopathic Nephrotic Syndrome: Genetic Aspects -- Idiopathic Nephrotic Syndrome: Clinical Aspects -- Immune Mediated Glomerular Injury -- Complement Mediated Glomerular Injury -- Acute Postinfectious Glomerulonephritis -- Immunoglobulin A Nephropathies (includes HSP) -- Membranoproliferative and C3-Mediated GN -- Membranous Nephropathy -- Nephronophthisis-Medullary Cystic Kidney Disease -- Polycystic Kidney Disease -- Animoaciduria and Glycosuria -- Tubular Disorders of Electrolyte Regulation -- Renal Tubular Acidosis -- Nephrogenic Diabetes Insipidus -- Cystinosis -- Fanconi Syndrome -- Primary Hyperoxaluria -- Tubulointerstitial Nephritis -- Vasculitis -- Systemic Lupus Erythematosus -- HUS -- Sickle Cell Nephropathy -- Diabetic Nephropathy -- Renal Manifestations of Metabolic Disorders -- Infectious Diseases and the Kidney Nephrotoxins -- Urinary Tract Infections -- Vesicoureteral Reflux and Scarring -- Obstructive Uropathy -- Bladder Dysfunction -- Urolithiasis -- Pediatric Renal Tumors -- Epidemiology of Hypertension -- Pathophysiology of Hypertension -- Evaluation of Hypertension in Childhood Diseases -- Management of the Hypertensive Child -- Pathogenesis of Acute Renal Failure -- Evaluation and Management of Acute Kidney Injury -- Pathophysiology of Progressive Renal Disease -- Management of Chronic Kidney Disease -- Handling of Drugs in Children with Abnormal Renal Function -- Endocrine and Growth Abnormalities -- Chronic Kidney Disease Mineral and Bone Disorder -- Peritoneal Dialysis -- Hemodialysis -- Transplantation Immunology -- Pediatric Renal Transplantation -- Immunosuppression -- Complications of Renal Transplantation -- IPNA: Global Pediatric Nephrology, Introduction and Overview -- AFPNA -- ALANEPE -- AsPNA -- ASPN -- ANZPNA -- ESPN -- JSPN.

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### Sommario/riassunto

This new edition of Pediatric Nephrology, now in three volumes, has been extensively updated and also contains much new material. Its organization flows logically from renal physiology to clinical evaluation. Discussion of the development of kidney structure and function is followed by sections on basic and translational research and on clinical methods, including laboratory tests, diagnostic imaging, and renal pathology. Comprehensive chapters then cover each of the childhood kidney diseases, grouped according to major disease categories. All of these chapters make new genetic information easily understandable for the practitioner and use many algorithms and diagrams to describe appropriate clinical evaluation of symptoms, differential diagnosis, specific diagnostics, and currently available therapies. Over the course of the previous six editions, Pediatric Nephrology has become the standard reference text for students, trainees, and practicing physicians (pediatricians, nephrologists, internists, and urologists), subspecialists, and allied health professionals seeking information about children's kidney diseases. It is global in perspective, reflecting the fact that the international group of editors are all acknowledged world experts. This book serves as a superb reference and is an invaluable asset during clinical encounters with children having all forms of kidney disease.

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