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# Kidney and Urinary Tract Diseases in the Newborn



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Editors

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 Springer

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## Preface

Physicians have always been fascinated by the complexity and intricacy of fetal organogenesis including the development of the genitourinary tract. The individual developmental stages, though complicated and still incompletely understood, usually occur without interruptions. On the other hand, newborns can face a wide variety of anomalies of the urinary tract including structural and mechanistic, spanning from acute and reversible to chronic and progressive pathology.

Advances in our understanding of pathophysiologic concepts of disease and the use of new diagnostic modalities have led to increased and early detection of a variety of conditions. In addition, increased experience and new therapeutic interventions are commonly associated with improved outcome in this particularly vulnerable patient population. This has caused a shift in certain areas to now increased interest in neonatal conditions and their possible impact on adult disease.

Care of newborns and infants with congenital kidney and urinary tract disease is complex and requires the expertise of multiple specialists, including nephrologists, urologists, neonatologists as well as other pediatric specialists depending on the condition.

This inaugural edition of “Kidney and Urinary Tract Diseases in Neonates and Infants”, a first of its kind as it solely focuses on neonates and infants, attempts to provide a comprehensive overview of common medical and surgical entities that are seen in newborns and tries to be a “hands-on” resource for clinicians working with this particular patient population.

Though a first edition can never be perfect, we think to have included a variety of chapters covering the vast majority of clinical entities providers will encounter in their clinical work.

All chapters are written by experts in the field and the editors are extremely grateful for the time and effort that each contributor has provided to make this endeavor possible and, hopefully, successful.

Any task as complex as the completion of a book publication requires sets of helpful hands in the background. The editors therefore especially appreciate the constant support and guidance of Ms. Joni Fraser as without her help the publication would not have been possible.

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