## Contents

1 Congenital Anomalies of the Kidney and Urinary Tract: An Overview ................................................................. 1  
Norman D. Rosenblum

2 Anatomy, Applied Embryology, and Pathogenesis of Congenital Anomalies of the Kidney and Urinary Tract ............ 15  
Amnah Al-Harbi and Paul Winyard

3 Congenital Anomalies of the Kidney: Number, Position, Rotation, and Vasculature .............................................. 29  
Paul H. Smith III and John H. Makari

4 Renal Dysplasia and Congenital Cystic Diseases of the Kidney .... 49  
Matthew D. Mason and John C. Pope IV

5 Congenital Hydronephrosis ......................................................... 77  
Ardalan E. Ahmad and Barry A. Kogan

6 Vescicoureteral Reflux ............................................................... 95  
Angela M. Arlen and Christopher S. Cooper

7 Congenital Anomalies of the Urethra........................................... 115  
Kenneth I. Glassberg, Jason P. Van Batavia, Andrew J. Combs, and Rosalia Misseri

8 Duplication Anomalies of the Kidney and Ureters ...................... 155  
Orchid Djahangirian and Antoine Khoury

9 Congenital Anomalies of the Urinary Bladder ............................ 175  
Patrick C. Cartwright

10 Prune Belly Syndrome .............................................................. 197  
David B. Joseph

11 Congenital Neuropathic Bladder ............................................... 215  
Stuart B. Bauer
12 Imaging of Congenital Anomalies of the Kidney and Urinary Tract .......................................................... 237
   Nora G. Lee, Sherry S. Ross, and H. Gil Rushton

13 Prenatal Diagnosis of Congenital Anomalies of the Kidney and Urinary Tract ........................................... 265
   Rebecca S. Zee and C.D. Anthony Herndon

14 Clinical Consequences of Congenital Anomalies of the Kidney and Urinary Tract .................................. 287
   Donna J. Claes and Prasad Devarajan

15 Genetics of Congenital Anomalies of the Kidneys and Urinary Tract ....................................................... 303
   Asaf Vivante and Friedhelm Hildebrandt

16 Association of Congenital Anomalies of the Kidney and Urinary Tract with Those of Other Organ Systems .......... 323
   Amin J. Barakat

Appendix ........................................................................................................................................... 337

Index ............................................................................................................................................... 359
Congenital Anomalies of the Kidney and Urinary Tract
Clinical Implications in Children
Barakat, A.J.; Rushton, H.G. (Eds.)
2016, XV, 368 p. 115 illus., 50 illus. in color., Softcover
ISBN: 978-3-319-29217-5