

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	Vesicoureteral 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