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Nota di contenuto	Contents; Contributors; Part I: Clinical and Molecular Embryology of the Cardiovascular System; 1. Molecular Developmental Biology of the Cardiovascular System; 2. Developmental Cardiovascular Physiology; 3. Vascularization of the Developing Heart: Implications for Congenital and Acquired Disease; Part II: Diagnosis and Management of Congenital Heart Defects; 4. Noninvasive Imaging of Congenital Heart Defects; 5. Novel Methods to Screen for Heart Disease in Infants; 6. Cardiac Catheterization; 7. Heritable Cardiac Channelopathies; 8. The Practice of Perinatal Cardiology 9. Intracardiac Left to Right Shunt Lesions10. Anomalous Pulmonary Venous Connections; 11. Left Ventricular Outflow Tract Obstruction; 12. Right Ventricular Outflow Tract Obstruction; 13. Nonsyndromic Conotruncal Anomalies; 14. Hypoplastic Left Ventricle; 15. Ebstein Anomaly: A Disorder Involving the Right Ventricle and the Tricuspid Valve; Part III: Special Management Issues; 16. Heart Transplantation; 17. Congenital Heart Defects in Adults; 18. Pregnancy and Congenital Heart Disease; 19. Neurodevelopmental Aspects of Congenital Heart Defects 20. Psychological Aspects of Congenital Heart Disease in Children21. Psychological Aspects of Adults with Complex Congenital Heart Defects; 22. The Exercise and Rehabilitation Needs of Children and

Adolescents with Congenital Heart Defects, and Their Parents; 23. Frequency of Congenital Heart Defects in Various Regions of the World; Part IV: Epidemiology of Congenital Heart Defects; 24. Epidemiological Studies of Congenital Heart Defects: Challenges and Opportunities; 25. Congenital Heart Defects Associated with Genetic Syndromes; Part V: Genetics of Congenital Heart Defects 26. The Genetic Basis of Nonsyndromic Cardiovascular Malformations 27. Gene-Environment Interactions in the Complex Etiology of Congenital Heart Defects; 28. Genetic Counseling for Congenital Heart Defects; 29. Primary Prevention of Congenital Heart Defects; Part VI: Public Health Issues; 30. Factors Associated with Increased Resource Utilization for Congenital Heart Disease; 31. Health Care Costs of Congenital Heart Defects; 32. Insurability and Access to Health Care for Patients with Congenital Heart Defects; 33. Transition of Adults with Congenital Heart Disease into Adult-Oriented Care 34. End-of-Life Issues in Pediatric Cardiac Care Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W; Y; Z

Sommario/riassunto

Congenital Heart Defects (CHDs) are the most frequently occurring birth defect, affecting over 25,000 infants a year in the US. This text serves as the definitive reference on the subject, covering all aspects of these malformations. The text includes chapters on the development, epidemiology, genetics, diagnosis, management and prevention of CHDs, and includes additional discussions of the public health and ethical issues of CHDs.
