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Altri autori (Persone)	StarkJ (Jaroslav) De LevalM (Marc) TsangV. T (Victor T.)
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Nota di contenuto	SURGERY for CONGENITAL HEART DEFECTS; Contents; Preface to the Third Edition; Acknowledgements; Contributors; Foreword to the Third Edition; Foreword to the Second Edition; Foreword to the First Edition; Abbreviations; GENERAL CONSIDERATIONS; 1: Classification and Nomenclature of Congenital Heart Defects; Identification of the Cardiac Segments; Atrial Situs (Atrial Arrangement) and Morphology; Ventricular Morphology; Muscle Bundles Within the Right Ventricle; Great Arterial Morphology; Junctions Between the Cardiac Segments; Types of Atrio-ventricular Connection Modes of Atrio-ventricular ConnectionTypes of Ventriculo-arterial Connection; Modes of Arterial Connection; Relations and Cardiac Position; Implications for Reporting Surgical Results; Additional Cardiovascular Anomalies; 2: Surgical Anatomy; Cardiac Shape and Position; Pericardial Cavity; Relationships of the Heart; Anatomy of Cardiac Chambers; The Right Atrium; The Left Atrium; The Ventricles; The Ventricular Septum; The Atrio-ventricular Junctions; The Cardiac Skeleton; The Atrio-ventricular Conduction System and Bundle

Branches; The Coronary Circulation; 3: Echocardiography  
Basic Principles M-Mode and Two-dimensional Echocardiography;  
Doppler Flow Echocardiography; Colour-flow Doppler Interrogation;  
Tissue Doppler Imaging; Three-dimensional Echocardiography;  
Quantitative Measurement; Practical Considerations; Image Orientation;  
Trans-oesophageal Echocardiography; Archiving; Sequential Segmental  
Anatomy; Atrial Situs (Arrangement) and Venous Connections; Atrio-  
ventricular Connection; Ventriculo-arterial Connection; Atria and Atrial  
Septum; Atrio-ventricular Septum; Ventricles and Ventricular Septum;  
Cardiac Valves; The Great Arteries; Coronary Arteries  
Intraoperative Echocardiography Postoperative Assessment; Conclusion;  
Appendix; Abbreviations in Figures Specific to This Chapter; 4: Foetal  
Echocardiography; Organization of Foetal Echocardiography; Normal  
Foetal Cardiac Anatomy; The Four-chamber View; Imaging the Great  
Arteries; Cardiac Malformations; Abnormalities of Connection;  
Additional Abnormalities; Implications of Foetal Echocardiography;  
Conclusions; 5: Magnetic Resonance Imaging and Computed  
Tomography in the Diagnosis of Congenital Heart Defects; Magnetic  
Resonance (MR) Imaging; Basics; Techniques; Spin-echo Imaging  
Gradient-echo Imaging Two-dimensional Gradient-echo Imaging;  
Three-dimensional Gradient-echo Imaging; Velocity-encoded Phase  
Contrast MR; Gadolinium Contrast-enhanced MR Angiography;  
Acyanotic Heart Defects; Atrial Septal Defect; Ventricular Septal Defect;  
Coarctation of the Aorta; Cyanotic Heart Defects; Tetralogy of Fallot;  
Pulmonary Atresia; Transposition of the Great Arteries; Congenitally  
corrected transposition (ccTGA); Double-outlet Right Ventricle;  
Hypoplastic Left Heart Syndrome; Conclusion; Computed Tomography  
(CT); MDCT Technique; Indications for Cardiovascular MDCT  
Vascular Anatomy

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### Sommario/riassunto

Over 10 years after the publication of the second edition, Wiley now publishes the third edition of the popular volume *Surgery for Congenital Heart Defects*. Completely updated and expanded, this new edition describes step-by-step the surgical procedures for congenital heart defects and includes detailed illustrations for each operation. New in this edition are chapters on exercise testing, MRI, EP studies and catheter ablation of arrhythmias, extracorporeal circulatory support and paediatric lung transplantation. A greatly expanded ultrasound chapter contains numerous colour

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