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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Includes index.
Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- Preface -- About the Companion Website -- Chapter 1 The Basics: What You Need to Know -- Doppler Principles as They Apply to Accuracy and Quality of the Exam -- Doppler shift -- Types of Doppler -- Advantages and disadvantages of each type of Doppler -- The spectral display -- The color display -- Nyquist limit and aliasing -- Accuracy of spectral flow information -- Optimizing Doppler Displays -- Color flow -- Spectral Doppler -- Laminar and Turbulent Flow -- Normal laminar flow -- Turbulent flow -- Causes of spectral broadening -- Chapter 2 The Doppler Examination -- Spectral Doppler -- Normal spectral flows in the heart -- Mitral valve -- Aorta and LVOT -- Pulmonary artery and RVOT -- Left ventricular isovolumic relaxation time (IVRT) -- Pulmonary venous flow -- Left auricular flow -- Color Flow Doppler -- Normal color flow in the heart -- Mitral valve -- Aorta -- Pulmonary artery -- Tricuspid valve -- Chapter 3 Applications -- Pressure Gradients (PGs) -- PG meaning -- Normal pressures in the heart and vessels -- Bernoulli equation -- Modified equation -- How can blood flow when pressures in the ventricles and great vessels are the same? -- Factors Affecting Flow Velocities -- Volume -- Narrowed pathway --

Pressure -- Limitations of the simplified Bernoulli equation -- Common Applications of PG in Acquired Heart Disease -- Using mitral regurgitation -- Hypertrophic cardiomyopathy -- Pulmonary hypertension -- Diastolic Function and Doppler -- Definitions -- Classes of diastolic dysfunction -- Overview of diastolic function -- Chapter 4 Doppler Features in Common Acquired Cardiac Diseases -- Chronic Valve Disease -- 2D and M-mode features -- Color flow evaluation -- Spectral Doppler -- Dilated Cardiomyopathy -- 2D and M-mode features -- Color flow evaluation -- Spectral Doppler. Hypertrophic Obstructive Cardiomyopathy -- 2D and M-mode features -- Color flow evaluation -- Spectral Doppler -- Diastolic function -- Dynamic Right Ventricular Outflow Tract Obstruction (DRVOTO) -- 2D and M-mode features -- Color flow evaluation -- Spectral Doppler -- Nonspecific Cardiomyopathy -- 2D and M-mode features -- These result in diminishing systolic function -- Color flow evaluation -- Spectral Doppler -- Pulmonary Hypertension -- 2D and M-mode features -- Color flow evaluation -- Spectral Doppler -- Appendix 1 Spectral Doppler Reference Ranges for the Dog and Cat -- Appendix 2 Abbreviations -- Recommended Reading -- Index -- EULA.

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