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Descrizione fisica	1 online resource (129 pages)
Collana	Rapid Reference
Disciplina	636.089264
Soggetti	Veterinary echocardiography Doppler echocardiography Handbook
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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.

Sommario/riassunto

"Doppler Echocardiography for the Small Animal Practitioner provides a clinically oriented quick reference to using color flow and spectral Doppler to interpret echocardiographic findings, enabling readers to learn and apply these techniques and acquire background knowledge of technical factors affecting diagnostic color and spectral Doppler. Practically, the text also serves as a quick checklist for the Doppler features of commonly acquired cardiac diseases in the dog and cat. To aid in reader comprehension, the text contains color images and video clips to support the descriptions. This handbook is not intended as a comprehensive explanation of the echocardiographic features associated with heart disease in animals. Rather, it is intended as the next step for the general practitioner and the non-cardiac specialist that have learned to acquire diagnostic 2D and M-Mode echocardiographic studies"--