

Key Features:

- Focuses on the **use and application of the latest handheld echocardiography devices** for screening and initial diagnosis at point of care.
- Includes **clinical case studies** with history, physical exam, a wide range of normal and abnormal laboratory, ECG and imaging findings along with multiple images and video clips obtained with handheld system by an expert cardiologist.
- Features **169 echocardiographic images and 48 videos** depicting use of point-of-care echo and its cardiovascular imaging findings.
- Provides an **overview of cardiac and vascular anatomy and physiology and imaging techniques, tips, nuances, and limitations** of handheld systems.
- Covers **normal and abnormal findings** and when to refer for further study.
- **Discusses and demonstrates** how to perform transthoracic echocardiography for assessment of cardiac and valve function, intravascular volume, ultrasound imaging to detect pericardial and pleural effusion, during pericardiocentesis and imaging assessment of vascular connections to the heart.
- **Enhanced eBook version included with purchase.** Your enhanced eBook allows you to access all of the text, figures and videos from the book on a variety of devices.

Περιεχόμενα:

- 1) Cardiac Anatomy
- 2) Cardiac Physiology
- 3) Vascular Anatomy
- 4) Basic ultrasound and Doppler principles
- 5) Hand Held Echo System
- 6) Ultrasound imaging of for the heart
- 7) Ultrasound imaging views of the blood vessels
- 8) Imaging Limitations and Pitfalls
- 9) Clinical Cases

Assessment of cardiac chamber size: Left and Right Ventricle, Left and Right Atrium: Normal and abnormal

Assessment of left ventricular function – Normal and abnormal

Assessment of right ventricular function – Normal and abnormal

Assessment of cardiac valves – Normal Function

Assessment of cardiac valves – Valve regurgitation

Assessment of cardiac valves – Valve stenosis

Assessment of Blood vessels – Ascending Aorta - Normal and abnormal

Pulmonary artery – Normal and abnormal

Aortic arch – Normal and abnormal

Descending aorta – Normal and abnormal

Carotid arteries - Normal and abnormal

Clinical Case collection involving history, physical exam and lab data, HHE views and clinical decision making