

Learning Cardiology CD-ROM**Cat. No.:** CAR106 **Price:** £69.00

This CD-ROM covers coronary artery disease with emphasis on cineangiography, valvular heart disease and echocardiography. There are numerous examples of cath lab views from actual patients showing narrowed and occluded coronary arteries. There is also a complete clinical discussion and rationale for the diagnosis.

The second part of this CD-ROM covers Valvular Heart Disease - mitral stenosis, mitral regurgitation, aortic stenosis and aortic regurgitation. The user can review the electrocardiogram, a series of echocardiograms, cath lab data and results, heart sounds, and chest X-Rays.

Learning Lung Sounds CD-ROM**Cat. No.:** CAR108 **Price:** £69.00

PC Stereo Headphone Set A38AH Price: £12.99

(Some CD players and computers may alter the sound quality. We therefore recommend high quality headphones or speakers)

This CD-ROM presents over 200 normal and abnormal lungs sounds in a case study method. The sounds are visualized while listening and a comprehensive quiz is included. Sounds that can be heard and described on this CD ROM include the following; Normal Lung Sounds, Pleural Rub, Tracheal Stridor, Bronchial Wheezes, Fine Crackles, Asthma, Coarse Crackles, Pneumonia, Squawks, COPD, Rhonchi, Bronchiectasis and Interstitial Fibrosis.

Carriage & VAT Not Included

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***At The Heart Of Healthcare Technology*****New Cardiology Training Software Now Available From**

Cardionics is the leader in heart and lung sounds and has pioneered the teaching of breath sounds with the introduction of a full range of CD-ROMs covering the following subjects.

- Learning Electrocardiography – CD-ROM
- Learning Arrhythmia Recognition – CD-ROM
- Learning Cardiac Auscultation – CD-ROM
- Learning Cardiology – CD-ROM
(Coronary Artery & Valvular Heart Diseases)
- Learning Lung Sounds – CD-ROM

Available exclusively in the UK, Ireland & Channel Islands from P.M.S (Instruments) Ltd

Learning Electrocardiography CD-ROM

Cat. No.: CAR104 Price: £69.00

This CD-ROM contains over 118 clinical ECGs in 9 clinical categories. The tracings are standard 12 lead versions with zoom enlargements of critical areas. In some cases, orthogonal XYZ leads are also included. A detailed interpretation is presented which includes the criteria and the rationale for the diagnosis.

It also contains an ECG tutorial, a user assessment, a section on vectrocardiography and the ability to ZOOM or expand any lead in any ECG for greater detail. The tracings are hyperlinked with 10 discussion topics which include: the specialized conduction system, A-V block, bundle branch block, chamber enlargement, loop rotation, the ECG in CVA, electrolytes, myocardial infraction, tachycardia, and ventricular pre-excitation.

Learning Arrhythmia Recognition CD-ROM

Cat. No.: CAR107 Price: £69.00

This CD-ROM contains 30 arrhythmias and each arrhythmia can be played as a moving strip. The **demonstration mode** shows the arrhythmia moving on a standard ECG grid with the explanation of the arrhythmia shown below the strip and this provides basic instruction about the characteristics of each arrhythmia. The pacemaker site, rhythm, rate, P waves, P-R interval, QRS complex, clinical significance and treatment are all described.

The **comparison mode** permits any two arrhythmias to be shown on the screen simultaneously. For example, if the user wishes to compare the difference between Second degree AV block, type I and type II, both arrhythmias can be seen on the screen simultaneously - the descriptions are still shown so that a complete explanation of each is available.

The **quiz mode** gives the user a quiz with up to 10 multiple-choice answers. The quiz is a very nice learning tool. If the user quizzes himself or herself and an incorrect answer is selected, by a simple keystroke, the incorrect answer is compared with the correct one so the user can see the difference.

Learning Cardiac Auscultation CD-ROM

Cat. No.: CAR105 Price: £69.00

PC Stereo Headphone Set A38AH Price: £12.99
(Some CD players and computers may alter the sound quality. We therefore recommend high quality headphones or speakers)

The use of a stethoscope is basic to every Doctor, nurse and allied health professional and it can take time to learn how to use it to correctly to recognise the various heart sounds. This CD-ROM simplifies the learning experience. By following the sequence of the sound on the menu, the user will be guided through a step-by-step learning process. Many of the sounds have the ability to be displayed as mild, moderate and severe examples.

A Phonocardiogram and ECG for timing purposes are presented while simultaneously listening to the sounds. The sound may be heard initially as just a basic first and second sound, then the extra sounds such as clicks, rubs and knocks, snaps and murmurs may be added. Each sound is labelled. A complete text is provided to assist the user in learning the basic elements of the sound.

One of the unique features of this CD-ROM is the comparison function that allows the user to compare any two sounds. For example, to determine the difference between mitral regurgitation and aortic stenosis, both sounds are displayed on the screen. The user can "toggle" back and forth listening to each sound alternately while simultaneously viewing both phonocardiograms. The heart rate of each sound is displayed for user convenience and the volume of each sound can be varied in total or by individual sound component. The sound of the murmur can also be increased from grade 1 to grade 6, for example.

All major sounds are presented including normal splitting with respiration, paradoxical splitting, third heart sound, fourth heart sound, ejection sounds, mitral stenosis, mitral regurgitation, mitral valve prolapse, aortic stenosis, aortic regurgitation, tricuspid stenosis, pulmonary hypertension, atrial septal defect, ventricular septal defect, patent ductus, atherosclerosis, summation sound, innocent systolic murmurs, congenital aortic stenosis, atrial fibrillation and congestive heart failure. A tutorial is also provided that teaches the user how to use the programme.