**Teaching Manual of Color Duplex Sonography**

Author(s): Hofer  
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This workbook is a welcome addition to the comprehensive range of titles by Matthias Hofer. Sonographers with general ultrasound experience are guided through an introduction to vascular assessment with colour duplex sonography in a methodical, pictorial way that demystifies many of the processes associated with duplex sonography.

Within the preface is a “how to use this book” section which should be mandatory reading as it outlines the structure of the book and simplifies the use. Key structures in the colour-coded illustrations are numbered and can be referenced against a fold-out Number Key on the back flap of the book. I would like to have seen the Abbreviations Used section treated in the same way on the front flap for even easier reading.

Chapter one reviews the basic physical principles. Key phrases are highlighted and simple diagrams illustrate the Doppler principles and the theory of haemodynamics. Criteria are tabulated for easy reference. The chapter also covers relevant “knobology” and machine specifications.

Other chapters consider the vasculature of the head and neck, the abdomen, nephrology and urology, obstetrics and gynaecology, peripheral arterial and vascular system and echocardiography. Each chapter stands alone and has a concluding set of quiz questions. All the quiz answers are at the back of the workbook. Some chapters state this and the relevant page reference but others do not, which reinforces the need to read the “how to use this book” before going any further.
The final chapter discusses technical innovations, including some manufacturer-specific techniques to extend the field of view and reduction of unsharpness caused by partial-volume and beam-width techniques and the use of miniature transducers. There are tips on how to optimise Contrast Enhanced Ultrasound (CEUS) examinations by combining Power Doppler and Harmonic Imaging, which have been reported as being clinically useful in several recent rheumatology studies.

This is a book that could be added to an educational booklist with confidence that students and practitioners will both enjoy and benefit from reading it.

This book can be purchased through the RAD Magazine Book Service at the discounted rate of £37.94. (Price correct as at March 17, 2011).

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