Preface

Ultrasound provides a safe multiplanar real-time survey of human anatomy and pathology. In well-trained hands it is an invaluable and relatively inexpensive guidance modality. As a result, image-guidance utilizing ultrasound for invasive procedures is now commonplace. In numerous complex procedures, ultrasound provides the initial imaging for percutaneous access, which is the first step in such percutaneous procedures. This book encompasses numerous ultrasound-guided procedures as well as ultrasound-guided access for more complex procedures. Postaccess details of the more complex procedures are beyond the scope of this book; however, details of ultrasound-guided access are provided. Even if a particular procedure is not included in the contents, the reader should be able to extrapolate the appropriate ultrasound-guided access technique from procedures applied to similar anatomy.

In this book we provide a point-by-point, practical how-to checklist for ultrasound-guided interventions and percutaneous access. Exemplary images and illustrations have been utilized to aid in the teaching and understanding of the ultrasound-guided procedures presented. We hope that this book provides a valuable contribution to the literature on percutaneous procedures and pleasant read at all levels during and after diagnostic and/or interventional radiology training.

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