

Essentials of Sonography and Patient Care

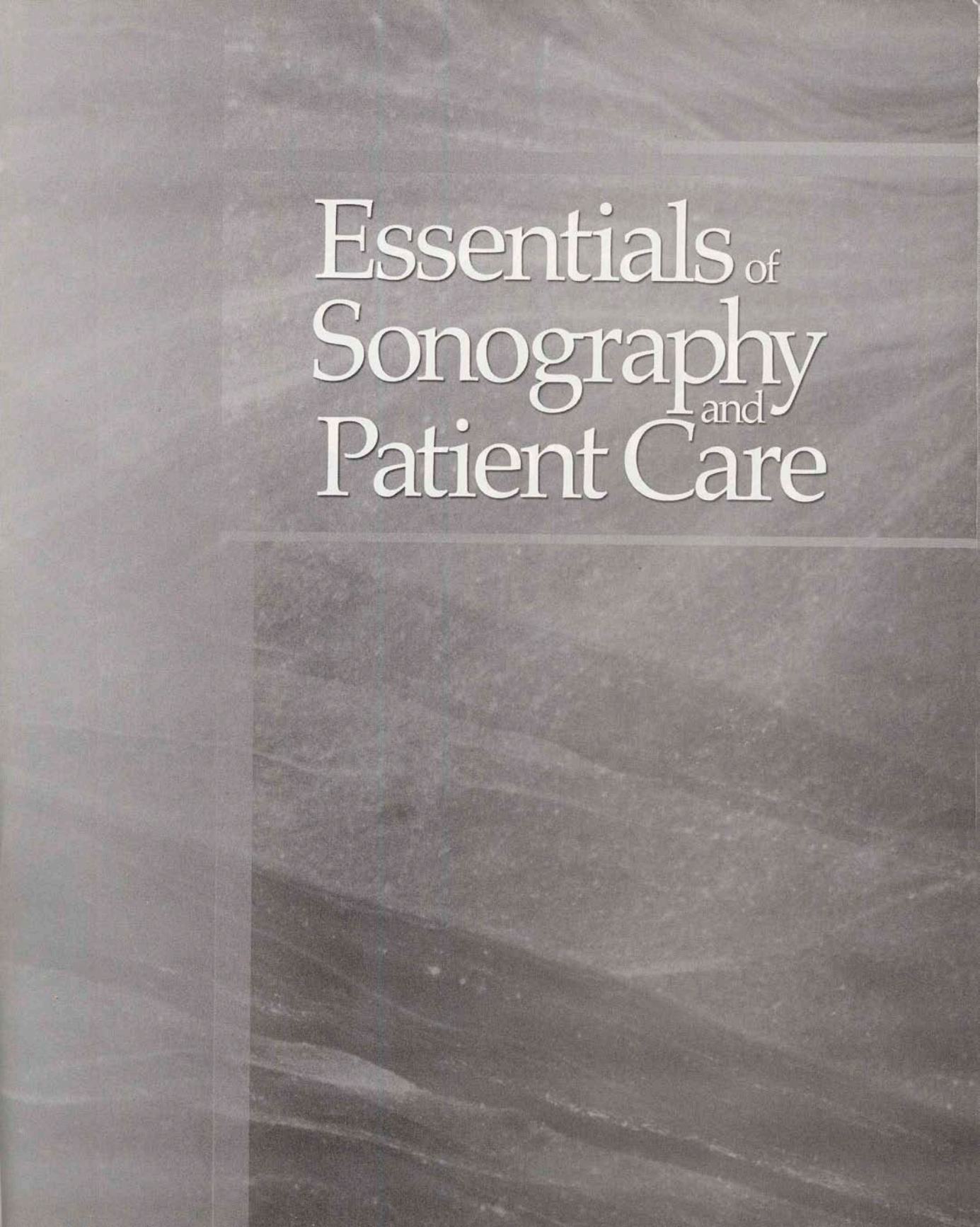
Second Edition

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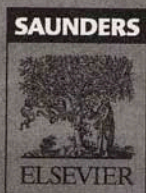
Marveen Craig



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Marveen Craig, RDMS

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ESSENTIALS OF SONOGRAPHY AND PATIENT CARE
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Preface

In the 10 years since *Introduction to Ultrasonography and Patient Care* was first published, sweeping changes in ultrasound technology, the delivery of health care, and the practice of diagnostic ultrasound have occurred. To respond to this changing world, change has come to sonography education as well.

This second edition reflects a significant makeover in response to those needs. In addition to a new look on the cover is a new title. Inside are updated and expanded chapters on sonographer safety; legal, ethical, and legislative issues; current sonographic protocols; and basic patient care. Each chapter begins with a list of general objectives and key terms designed to help readers best understand the material. At the end of each chapter, bibliographic references offer direction to those seeking a more in-depth exploration of a given topic.

To help ease students into the working profession, new information on applying and interviewing for positions and understanding the hospital and nonhospital opportunities available to them have been added. The appendices contain an updated glossary, an abbreviated list of Spanish phrases useful in communicating with imaging patients, a list of laboratory tests specific to various clinical ultrasound specialties, and important regulatory practices regarding patient care and safety.

One sad note among all of this exciting change and promise for the future is the realization that the gains of the past extracted a severe toll on the health of many veteran sonographers. Their bittersweet legacy is already paving the way for current and future sonographers to enjoy their chosen profession without fear of career-ending injuries. We are all deeply indebted to them.

It is my hope that those who use this book find it helpful in enjoying safe, successful, and rewarding careers as diagnostic medical sonographers.

EVOLVE RESOURCES

Completely new Evolve resources have been created. They consist of an instructor's manual, focused teaching outlines, an expanded test bank, and an electronic image collection. The material is designed to help instructors develop class presentations, test student comprehension of the material, and create student interest and enthusiasm with interactive assignments. The resources for *Essentials of Sonography and Patient Care* are located on Evolve, an interactive learning environment.

Evolve works in coordination with *Essentials of Sonography and Patient Care*. Instructors may use Evolve to provide an Internet-based course component that reinforces and expands the concepts presented in class. Evolve may be used to publish the class syllabus, outlines, and lecture notes; set up "virtual office hours" and e-mail communication; share important dates and information through the online class calendar; and encourage student participation through chat rooms and discussion boards. Evolve allows instructors to post examinations and manage their grade books online. For more information, readers can contact an Elsevier sales representative.

Marveen Craig

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In completing this book, many thanks are in order, and I hesitate for fear of omitting anyone. I am especially indebted to Joan Baker; Phil Bendick, PhD; Eric Blackwell, MD; Terry DuBose; Don Milburn; and Joseph Woo, MD, who supplied photographs—both elusive to obtain and difficult to reproduce. They helped to illustrate the old and the new, as well as just how far diagnostic ultrasound has come in 5 decades.

The final product would not have been possible without the valuable constructive criticisms and much appreciated encouragement of those who reviewed both manuscripts and of my editors at Elsevier Science: Jeanne Wilke, Linda Woodard, and the indefatigable Christina Pryor.

My heartfelt thanks go to my husband, Walter, and my family and friends for their emotional support and for allowing me to put the book first, when necessary.

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Abdominal Protocols

M. Robert de Jong, RDMS, RDCS, RVT
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Clinical Coordinator of OB Ultrasound
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Essentials of Sonography and Patient Care, Second Edition

Basic, need-to-know information for classroom and clinic!

This book will help you succeed, whether you're a beginning student or a practicing sonographer. For students, it covers important terminology, ultrasound technology, and the sonographer's role on the medical team. It also covers study techniques such as note taking, effective listening, and test-taking strategies. For the practitioner and the student entering the clinical environment, it offers step-by-step descriptions of basic medical procedures and patient care, showing how to safely perform procedures and how to interact with patients in a clinical setting. This book also prepares students for the transition into practice—covering expectations in various clinical settings, continuing education, sonography specialties, and career options.

NEW TO THIS EDITION:

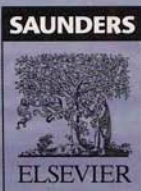
- Expanded coverage of **body mechanics and proper scanning posture** to prevent repetitive motion musculoskeletal injury
- Updated information on **ultrasound technology**
- Discussion of **ethics, scope of practice, and practice standards**
- Chapter on **legal considerations for sonographers**
- *Objectives and Key Terms* in chapter openers
- *Note boxes* highlighting important information
- **Electronic image archiving and patient records**, including HIPAA information
- Frequently needed **patient instructions in Spanish**

Recommended Shelving
Classifications

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