CONTENTS

Contributors ix
Acknowledgements x
Introduction xi
Gregory R. Lisciandro

About the Companion Website xiv

1 Focused—Basic Ultrasound Principles and Artifacts 1
   Robert M. Fulton

2 The Abdominal FAST³ (AFAST³) Exam 17
   Gregory R. Lisciandro

3 Focused or COAST³—Liver and Gallbladder 44
   Stephanie Lisciandro

4 Focused or COAST³—Spleen 65
   Stephanie Lisciandro

5 Focused or COAST³—Kidneys 80
   Stephanie Lisciandro

6 Focused or COAST³—Urinary Bladder 99
   Stephanie Lisciandro

7 Focused or COAST³—Gastrointestinal and Pancreas 110
   Søren Boysen and Jennifer Gambino

8 Focused or COAST³—Reproductive 126
   Robert M. Fulton

9 The Thoracic FAST³ (TFAST³) Exam 140
   Gregory R. Lisciandro
10 The Vet BLUE Lung Scan 166
   Gregory R. Lisciandro

11 Focused or COAST³—ECHO (Heart) 189
   Teresa DeFrancesco

12 Focused or COAST³—Central Venous and Arterial Line Placement, Big Arteries, and Veins 206
   Scott Chamberlin

13 Focused or COAST³—Pediatrics 222
   Autumn P. Davidson and Tomas W. Baker

14 Focused or COAST³—Eye 243
   Jane Cho

15 Focused or COAST³—Musculoskeletal 261
   Gregory R. Lisciandro

16 Focused or COAST³—Cardiopulmonary Resuscitation (CPR), Global FAST (GFAST³), and the FAST-ABCDE Exam 269
   Gregory R. Lisciandro and Andrea Armenise

17 Interventional Ultrasound-Guided Procedures 286
   Søren Boysen

Appendices 304

   I Setting Up an Ultrasound Program 304

   II Goal-Directed Templates for Medical Records 306

   III Abbreviations, Terminology, and Glossary 315

   IV Quick References of Normal Values and Rules of Thumb 318

   V Ultrasound Resources and Companies 324

Index 325