

Preface v

PART ONE LUNG fUNCTION TESTS aND WHa T THEY MEaN

CHAPTER 1 VENTILaTION 3

CHAPTER 2 GaS EXCHaNGE 22

CHAPTER 3 OThEr TESTS 48

PART TWO fUNCTION Of THE DISEaSED LUNG

CHAPTER 4 OBSTrUCTIVE DISEaSES 69

CHAPTER 5 rESTRICTIVE DISEaSES 107

CHAPTER 6 PULMONar Y VaSCULar DISEaSES 135

*CHAPTER 7 ENVIrONMENT aL, OCCUPaTIONaL, NEOPLaSTIC,
aND INFECTIOUS DISEaSES 164*

PART THREE fUNCTION Of THE faILING LUNG

CHAPTER 8 rESPIra TOr Y faILLUrE 193

CHAPTER 9 OXYGEN ThEraPY 213

CHAPTER 10 MECHaNICaL VENTILa TION 231

appendix a—Symbols, Units, and Normal Values 249

appendix B—further reading 252

appendix C—answers to the End-of-Chapter Questions 253

appendix D—answers to Questions in Clinical Vignettes 274

Index 281