

Kettering Asthma Educator Study Guide

A guide to reading and understanding rhythm strips and 12-lead ECGs, this updated edition reviews fundamental cardiac anatomy and physiology, explains how to interpret a rhythm strip, and teaches the reader how to recognize and treat 18 arrhythmias. As our nation enters a new era of medical science that offers the real prospect of personalized health care, we will be confronted by an increasingly complex array of health care options and decisions. The Learning Healthcare System considers how health care is structured to develop and to apply evidence-from health profession training and infrastructure development to advances in research methodology, patient engagement, payment schemes, and measurement-and highlights opportunities for the creation of a sustainable learning health care system that gets the right care to people when they need it and then captures the results for improvement. This book will be of primary interest to hospital and insurance industry administrators, health care providers, those who train and educate health workers, researchers, and policymakers. The Learning Healthcare System is the first in a series that will focus on issues important to improving the development and application of evidence in health care decision making. The Roundtable on Evidence-Based Medicine serves as a neutral venue for cooperative work among key stakeholders on several dimensions: to help transform the availability and use of the best evidence for the collaborative health care choices of each patient and provider; to drive the process of discovery as a natural outgrowth of patient care; and, ultimately, to ensure innovation, quality, safety, and value in health care.

This title includes additional digital media when purchased in print format. For this digital book edition, media content is not included. Respiratory Care Exam Review: Review for the Entry Level and Advanced Exams, 3rd Edition, readies students with review materials for both the CRT and RRT exams! The material is presented in an outline format for efficient studying, with special boxes included in the chapter to highlight important information that is often included in the exam. New content has been added to the 3rd edition, including the latest updates to the NBRC content outlines implemented in 2009 and 2010. Be fully prepared with this comprehensive text! Respiratory Therapy exam review designed to provide students with a complete, hands-on review for both the NBRC Certified Respiratory Therapist (CRT) and the Registered Respiratory Therapist (RRT) credentialing exams. The material is presented in a detailed outline format, and each chapter includes a pre-test and post-chapter questions. Answers and rationales for both pre- and post-testing are located in the back of the book. Book includes two practice exams. One practice exam for each exam (CRT & RRT) is located in the back of the book. Answer keys with rationales for correct and incorrect answers are available on the Evolve Web site. The NBRC complexity levels of each question are indicated in the answer key to help the student better prepare for the actual exam. Every chapter has been thoroughly revised to incorporate the newest (2009) NBRC Examination content outlines that were implemented in 2009 (CRT) and 2010 (RRT). Unique! Exam Notes highlight special notes or instructions specific to either the entry level (CRT) or advanced exam (RRT) to help students use their study time more effectively. Other key information relevant to the respiratory therapist is featured in specially shaded boxes. Completely updated to

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reflect the newest NBRC Examination content outlines, with new information on: stress testing, oxygen titration with exercise, arterial line insertion, influenza vaccines and ventilator-associated pneumonia protocols. Additional practice test questions with rationales added to both entry level and advanced practice exams provide rationales and detailed explanation for every question on the exam.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Developed by a professor who has been teaching a popular and innovative wellness counseling course for over a decade, this new text is organized into a format specifically designed to meet the needs of both counselor education graduate students and their teachers — making both teaching and learning the material easier and more intuitive. Giving a general but comprehensive overview of the subject of wellness, *Wellness Counseling* offers students a compelling balance of the science and research in the field, the theories that have emerged from this research, and the practical applications that we can take away from practicing these theories. Holistic, scientific, and ultimately concerned with the humanity of counseling, this text strives to be inclusive — especially of the psychological and social aspects of wellness that have gained more attention in recent years. The book is organized in three main sections. While Section One is concerned with the background of wellness as a healthcare paradigm in the United States and major theories of wellness, and historical context for wellness, Section Two contains specific information on the social, physical, emotional, and cognitive domains of wellness. The last main section of the book synthesizes the first two sections of the book to extract practical applications of wellness in behavioral healthcare intervention counseling.

"Many people say that it is the intellect which makes a great scientist. They are wrong: it is character." -- Albert Einstein
Integrity in Scientific Research attempts to define and describe those elements that encourage individuals involved with scientific research to act with integrity. Recognizing the inconsistency of human behavior, it stresses the important role that research institutions play in providing an integrity--rich environment, citing the need for institutions to provide staff with training and education, policies and procedures, and tools and support systems. It identifies practices that characterize integrity in such areas as peer review and research on human subjects and weighs the strengths and limitations of self--evaluation efforts by these institutions. In addition, it details an approach to promoting integrity during the education of researchers, including how to develop an effective curriculum. Providing a framework for research and educational institutions, this important book will be essential for anyone concerned about ethics in the scientific community.

This report identifies promising policy options to spur the creation of new medical technologies that will reduce total U.S. health care spending or will provide health benefits that justify any increase in spending.

Rev. ed. of: *Manual of pulmonary function testing* / Gregg L. Ruppel. 9th ed. c2009.

At the center of the debate over complementary and alternative medicine—from acupuncture and chiropractic treatments to homeopathy and nutritional supplements—is how to scientifically measure the effectiveness of a particular treatment. Fourteen

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scholars from the fields of medicine, philosophy, sociology, and cultural and folklore studies examine that debate, and the clash between growing public support and the often hostile stance of clinicians and medical researchers. Proponents and critics have different methodologies and standards of evidence—raising the question of how much pluralism is acceptable in a medical context—particularly in light of differing worldviews and the struggle to define medicine in the modern world. The contributors address both the methodological problems of assessment and the conflicting cultural perspectives at work in a patient's choice of treatment. Sympathetic to CAM, the contributors nonetheless offer careful critiques of its claims, and suggest a variety of ways it can be taken seriously, yet subject to careful scrutiny.

Does the thought of pouring through years of respiratory school notes make you cringe? Do you feel like you forgot more than you learned in RT school? Are the popular respiratory therapy exam study guides giving you information overload? If you want to make the high cut on the TMC-RRT exam you need to study smarter not harder. Focus on the content that will give you the greatest benefit for your hard earned dollar. This study guide and review includes practice questions developed straight from the updated 2015 NBRC testing matrix. Full rationales for each practice question are given, as well as common exam traps to look out for. The goal of this RRT exam study guide is to help you make the cut. As you can probably imagine, failing to make the high cut on the NBRC RRT Board exams can be incredibly disappointing and very expensive. Those who miss the high cut are required to retake the TMC-RRT exam at a cost of \$150. Failing the clinical simulations will cost another \$200 as there is no discount for retaking the exam.

Offers an outline of all the major subject areas covered on the American Registry of Radiologic Technology exam in radiography. This book contains revision questions and answers and an employment preparation section.

No further information has been provided for this title.

The first book focusing specifically on frequent and frequently disabling side effects involving the skin, hair and nails in cancer patients. According to the World Health Organization, there are approximately thirty million people living with a diagnosis of cancer – the majority of whom will receive surgery, systemic therapy, and/or radiation, and who will suffer from dermatologic adverse events. Dermatologists and oncologists are only beginning to grapple with these events, which pose serious quality-of-life issues with so many patients, and will become more prevalent as survival rates improve, thanks in part to new cancer treatments and drug regimens. Concentrating on a topic that has only been briefly touched upon by other texts, this book offers a focused perspective on the clinical presentation, underlying pathophysiologic mechanisms, and management of skin, hair, and nail conditions for oncologists, dermatologists, and allied practitioners. *Dermatologic Principles and Practice in Oncology: Conditions of the Skin, Hair, and Nails in Cancer Patients*: • Covers in detail the dermatologic adverse events of oncologic therapies, clinical presentations, and treatment recommendations • Enables dermatologists and other practitioners to significantly improve the care of patients with cancer • Addresses the dermatologic adverse events of cancer therapies used globally, of which a large number are found in developing countries • Emphasizes prophylactic measures – based on treatments used and type of cancer – to prevent the appearance of adverse events • Provides built-in discussions on patient education for practical counseling during therapies • Offers rapid-reference sections on topical dermatology drugs. The first book to present dermatologic conditions in cancer patients and survivors in a uniform and in-depth manner, *Dermatologic Principles and Practice in Oncology* is ideal for oncologists, oncology nurses, and dermatologists who wish to take better care of those with adverse skin, hair, and nail conditions.

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This revised and updated edition of the ABC of Complementary Medicine offers an authoritative introduction to complementary therapies. Taking an independent standpoint, neither promoting nor disparaging complementary therapies, this second edition includes the latest information on efficacy of treatments and provides a new emphasis on patient management. The ABC of Complementary Medicine is an invaluable guide to any doctor who encounters complementary medicine in clinical practice.

From agriculture to big business, from medicine to politics, *The Cigarette Century* is the definitive account of how smoking came to be so deeply implicated in our culture, science, policy, and law. No product has been so heavily promoted or has become so deeply entrenched in American consciousness. *The Cigarette Century* shows in striking detail how one ephemeral (and largely useless) product came to play such a dominant role in so many aspects of our lives—and deaths.

Does the thought of pouring through years of respiratory school notes make you cringe? Do you feel like you forgot more than you learned in RT school? Are the popular respiratory therapy exam study guides giving you information overload? If you want to make the high cut on the TMC-RRT exam you need to study smarter not harder. Focus on the content that will give you the greatest benefit for your hard earned dollar. If you plan on passing the RRT exam on your first attempt, then starting now and starting smart is non-negotiable. This study guide and review includes practice questions developed straight from the updated 2015 NBRC testing matrix. Full rationales for each practice question are given, as well as common exam traps to look out for. The goal of this RRT exam study guide is to help you make the cut. As you can probably imagine, failing to make the high cut on the NBRC RRT Board exams can be incredibly disappointing and very expensive. Those who miss the high cut are required to retake the TMC-RRT exam at a cost of \$150. Failing the clinical simulations will cost another \$200 as there is no discount for retaking the exam. Physical exam represents an enormous part of the TMC-RRT Exam as well as the Clinical Simulation Exam (CSE). This study guide gives you everything you need to know to prepare yourself to dominate the physical exam portion of the respiratory therapy board exams. Do you remember which way a pneumothorax will shift the trachea? What about pneumonia? Do you remember what egophony, tactile fremitus, S4 heart sounds, and JVD may mean for your patient? This respiratory therapy board exam study guide is packed with useful tips and information to help you answer these questions.

Basic Skills in Interpreting Laboratory Data, Fifth Edition, is the classic and most popular pharmacy laboratory text because it is the only reference on this subject written by pharmacists, for pharmacists. Students find this guide a clear and useful introduction to the fundamentals of interpreting laboratory test results. The book enhances the skills pharmacists need by providing essential information on common laboratory tests used to screen for or diagnose diseases and monitor the effectiveness and safety of treatment and disease severity. Each chapter contains learning objectives, case studies, bibliographies, and charts that summarize the causes of high and low test results. New for this edition: Updated and expanded Quick View tables in each chapter now match those in the popular quick-reference, *Interpreting Laboratory Data: A Point-of-Care Guide*. New glossary of acronyms is right up front for a streamlined reference. Normal value ranges of all tests have been standardized by an expert pathologist. New and updated cases in each chapter apply your *Basic Skills* in clinical situations. Reorganized to highlight the application of concepts by body system, and in special populations. *Basic Skills in Interpreting Laboratory Data* offers features that will help pharmacy students not only understand and engage with the material but also will streamline the transition from classroom to practice setting. After studying with this trusted text, students and pharmacists will more effectively monitor patient therapy, evaluate test results, and improve outcomes through optimal and focused pharmacotherapy.

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Revised by the American Medical Association (AMA), Graduate Medical Education Directory, 2012-2013 (Green Book) contains comprehensive information on 9,000 Accreditation Council for Graduate Medical Education-accredited programs (GME) in the United States, including Residency, Fellowship, and Combined programs, plus residency application and career-planning resources. Revisions and updates: specialty/subspecialty information, Match data, 215 new programs, and 3,000 teaching institutions.

This path-breaking handbook is the first to engage with the many unique issues that arise in the study of migrant communities, offering a comprehensive description of quantitative and qualitative methodologies useful in work with migrant populations. Simultaneous eBook.

Cancer care today often provides state-of-the-science biomedical treatment, but fails to address the psychological and social (psychosocial) problems associated with the illness. This failure can compromise the effectiveness of health care and thereby adversely affect the health of cancer patients. Psychological and social problems created or exacerbated by cancer--including depression and other emotional problems; lack of information or skills needed to manage the illness; lack of transportation or other resources; and disruptions in work, school, and family life--cause additional suffering, weaken adherence to prescribed treatments, and threaten patients' return to health. Today, it is not possible to deliver high-quality cancer care without using existing approaches, tools, and resources to address patients' psychosocial health needs. All patients with cancer and their families should expect and receive cancer care that ensures the provision of appropriate psychosocial health services. Cancer Care for the Whole Patient recommends actions that oncology providers, health policy makers, educators, health insurers, health planners, researchers and research sponsors, and consumer advocates should undertake to ensure that this standard is met.

Learn to assess and treat respiratory care disorders! Now in full color, *Clinical Manifestations and Assessment of Respiratory Disease*, 6th Edition bridges normal physiology and pathophysiology to provide a solid foundation in recognizing and assessing conditions. Authors Terry Des Jardins and George G. Burton describe how to systematically gather clinical data, formulate an assessment, make an objective evaluation, identify the desired outcome, and design a safe and effective treatment plan, while documenting each step along the way. Unique coverage of Therapist-Driven Protocols (TDPs) prepares you to implement industry-approved standards of care. Unique! Clinical scenarios connect to specific diseases so you can better understand the disease and the treatment modalities used. Unique! A focus on assessment and Therapist-Driven Protocols (TDPs) emphasizes industry-approved standards of care, providing you with the knowledge and skills to implement these protocols into patient care. Case studies help in applying information to assessment and treatment. Overview boxes summarize the clinical manifestations caused by the pathophysiologic mechanisms of each disorder. End-of-chapter questions include multiple-choice, short answer, matching, and case studies to test knowledge and understanding, pointing out areas that might require further study. A glossary of key terms with definitions is included in the back of the book. Appendices offer easy access to information such as calculations, symbols, medications, and measurements, plus answers to selected case studies. A unique full-color design enhances content and shows

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realistic examples of diseases and conditions. Student-friendly features reinforce learning with chapter outlines, objectives, and key terms. A consistent presentation of disease information shows background, treatment, and assessment for each condition so you learn the material in a clear, cohesive manner. Over 15 additional case studies with answers are added to the companion Evolve website.

"This eBook features 501 sample writing prompts that are designed to help you improve your writing and gain the necessary writing skills needed to ace essay exams. Build your essay-writing confidence fast with 501 Writing Prompts!" --

Facilitating Interdisciplinary Research examines current interdisciplinary research efforts and recommends ways to stimulate and support such research. Advances in science and engineering increasingly require the collaboration of scholars from various fields. This shift is driven by the need to address complex problems that cut across traditional disciplines, and the capacity of new technologies to both transform existing disciplines and generate new ones. At the same time, however, interdisciplinary research can be impeded by policies on hiring, promotion, tenure, proposal review, and resource allocation that favor traditional disciplines. This report identifies steps that researchers, teachers, students, institutions, funding organizations, and disciplinary societies can take to more effectively conduct, facilitate, and evaluate interdisciplinary research programs and projects. Throughout the report key concepts are illustrated with case studies and results of the committee's surveys of individual researchers and university provosts.

Written for today's nurse, PRINCIPLES OF PEDIATRIC NURSING: CARING FOR CHILDREN, 5/e explores the conditions and nursing interventions for health conditions affecting children, adolescents and their families. Emphasizing research and evidence-based practice, it organizes material by body system instead of developmental stage, allowing faculty to teach pediatrics in integrated courses/short courses without redundancy. This edition includes a new chapter on genetic and genomic influences, more emphasis on culturally competent care, and new features that emphasize clinical reasoning and health promotion. Designed to help students bridge the gap between classroom and clinical situations, the book emphasizes health promotion and maintenance, growth and development, and family-centered care. 0133937410 / 9780133937411 Principles of Pediatric Nursing: Caring for Children Plus MyNursingLab with Pearson eText -- Access Card Package Package consists of: 0132111756 / 9780132111751 Principles of Pediatric Nursing: Caring for 0133930882 / 9780133930887 MyNursingLab with Pearson eText -- Access Card -- for Principles of Pediatric Nursing: Caring for Children

For courses in Pediatric Nursing. A comprehensive survey of family-centered pediatric nursing care Child Health Nursing: Partnering with Children & Families promotes excellence in nursing care for infants, children, and adolescents--in hospitals and in the community. It focuses on the importance of partnering with families to adapt care plans for children based on their age, health status, and social and cultural influences. The text considers the impact of contemporary care environments on nursing practice, both in health promotion and in the care of children with acute or chronic health conditions. By offering industry best practices and practical applications, the book encourages students to apply evidence-based findings and clinical reasoning to planning superior

care. The updated 3rd edition explains how modern nursing practice is affected by reforms to healthcare and its delivery—such as electronic health records, new approaches to chronic and acute condition management, and a focus on prevention. To support safe, effective, and innovative care, this edition draws on the latest recommendations of NANDA International diagnoses, Nursing Intervention Classifications (NIC), Nursing Outcomes Classifications (NOC), and Healthy People 2020. Also available with MyLab Nursing MyLab(tm) Nursing is an online self-study and class preparation program designed to engage students and improve results. Its personalized learning path helps students think like nurses as they move beyond memorization to true understanding through application. Learn more. Note: You are purchasing a standalone product; MyLab Nursing does not come packaged with this content. Students, if interested in purchasing this title with MyLab Nursing, ask your instructor to confirm the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab Nursing search for: 0134874439 / 9780134874432 Child Health Nursing Plus MyNursingLab with Pearson eText -- Access Card Package Package consists of: 0134624726 / 9780134624723 Child Health Nursing 013486946X / 9780134869469 MyNursingLab with Pearson etext -- Access Code -- for Child Health Nursing

In the United States, approximately 14 million people have had cancer and more than 1.6 million new cases are diagnosed each year. However, more than a decade after the Institute of Medicine (IOM) first studied the quality of cancer care, the barriers to achieving excellent care for all cancer patients remain daunting. Care often is not patient-centered, many patients do not receive palliative care to manage their symptoms and side effects from treatment, and decisions about care often are not based on the latest scientific evidence. The cost of cancer care also is rising faster than many sectors of medicine—having increased to \$125 billion in 2010 from \$72 billion in 2004—and is projected to reach \$173 billion by 2020. Rising costs are making cancer care less affordable for patients and their families and are creating disparities in patients' access to high-quality cancer care. There also are growing shortages of health professionals skilled in providing cancer care, and the number of adults age 65 and older—the group most susceptible to cancer—is expected to double by 2030, contributing to a 45 percent increase in the number of people developing cancer. The current care delivery system is poorly prepared to address the care needs of this population, which are complex due to altered physiology, functional and cognitive impairment, multiple coexisting diseases, increased side effects from treatment, and greater need for social support. *Delivering High-Quality Cancer Care: Charting a New Course for a System in Crisis* presents a conceptual framework for improving the quality of cancer care. This study proposes improvements to six interconnected components of care: (1) engaged patients; (2) an adequately staffed, trained, and coordinated workforce; (3) evidence-based care; (4) learning health care information technology (IT); (5) translation of evidence into clinical practice, quality measurement and performance improvement; and (6) accessible and affordable care. This report recommends changes across the board in these areas to improve the quality of care. *Delivering High-*

Quality Cancer Care: Charting a New Course for a System in Crisis provides information for cancer care teams, patients and their families, researchers, quality metrics developers, and payers, as well as HHS, other federal agencies, and industry to reevaluate their current roles and responsibilities in cancer care and work together to develop a higher quality care delivery system. By working toward this shared goal, the cancer care community can improve the quality of life and outcomes for people facing a cancer diagnosis.

Respiratory disease is the most common reason for admission to intensive care, and advanced respiratory support is one of the most frequently used interventions in critically ill patients. A clear understanding of respiratory disease is the cornerstone of high quality intensive care. Although a plethora of literature is available, both in print and online, finding the necessary relevant information can be difficult and time consuming. This handbook provides comprehensive clinical detail in an easily readable format. It is written by practising clinicians and has both in-depth theoretical discussion and practical management advice. The book is divided into sections: Section 1 deals with the approach to the patient with respiratory failure - including pathophysiology, investigation and diagnosis Sections 2 covers non invasive treatment modalities Sections 3 and 4 examine invasive ventilation in detail. Section 3 considers the principles of mechanical ventilation while section 4 deals with individual ventilator modes Section 5 discusses the management of the ventilated patient including sedation, monitoring, asynchrony, heart - lung interaction, hypercapnia and hypoxia, complications, weaning and extubation. It also has chapters on areas less frequently covered such as humidification, suction, tracheal tubes and principles of physiotherapy Section 6 is a comprehensive breakdown of each respiratory condition seen in ICU. This book is designed to bridge the gap between Intensive Care starter texts and all-encompassing reference textbooks. It is aimed at consultants and senior trainees in Intensive Care Medicine, senior ICU nursing staff, consultants in other specialties and allied healthcare professionals who have an interest in advanced respiratory critical care.

With over 1000 questions, MCQs and EMQs in Surgery is the ideal self-assessment companion guide to Bailey & Love's Short Practice in Surgery. The book assists readers in their preparation for examinations and to test their knowledge of the principles and practice of surgery as outlined within Bailey & Love. Sub-divided into 13 subject-s

Ultimate Pulmonary Wellness is a resource for all people living with respiratory disease including patients, their families and caretakers; and clinicians. This well-rounded guidebook is the fusion of twenty-five years of clinical practice, education and research by Dr. Noah Greenspan, board-certified clinical specialist in cardiovascular and pulmonary physical therapy; and Program Director of the Pulmonary Wellness & Rehabilitation Center in New York City. It is one of the most comprehensive works of its kind. This brand new first edition draws together a complex variety of threads, clearly defining the key components of living well with a pulmonary disease; including the anatomy, physiology and

pathophysiology of the respiratory system; the multifactorial and multi-systemic nature of breathing; the role of medicine (physician, diagnosis and treatment) in the management and prevention of respiratory disease; and the importance of lifestyle factors, such as exercise, nutrition and managing your emotions, as well as the prevention of infection; in ultimate pulmonary wellness; and living your absolute best life with respiratory disease.

Nonprofit Marketing: Marketing Management for Charitable and Nongovernmental Organizations is a conceptually strong text that gives students marketing strategies for nonprofit, charitable, and nongovernmental organizations, while providing them with a broad treatment of marketing basics. Written in an easy-to-follow style, marketing concepts are clearly presented and supported with real-world examples.

This User's Guide is intended to support the design, implementation, analysis, interpretation, and quality evaluation of registries created to increase understanding of patient outcomes. For the purposes of this guide, a patient registry is an organized system that uses observational study methods to collect uniform data (clinical and other) to evaluate specified outcomes for a population defined by a particular disease, condition, or exposure, and that serves one or more predetermined scientific, clinical, or policy purposes. A registry database is a file (or files) derived from the registry.

Although registries can serve many purposes, this guide focuses on registries created for one or more of the following purposes: to describe the natural history of disease, to determine clinical effectiveness or cost-effectiveness of health care products and services, to measure or monitor safety and harm, and/or to measure quality of care. Registries are classified according to how their populations are defined. For example, product registries include patients who have been exposed to biopharmaceutical products or medical devices. Health services registries consist of patients who have had a common procedure, clinical encounter, or hospitalization. Disease or condition registries are defined by patients having the same diagnosis, such as cystic fibrosis or heart failure. The User's Guide was created by researchers affiliated with AHRQ's Effective Health Care Program, particularly those who participated in AHRQ's DEcIDE (Developing Evidence to Inform Decisions About Effectiveness) program. Chapters were subject to multiple internal and external independent reviews.

Palliative care has become increasingly important across the spectrum of healthcare, and with it, the need for education and training of a broad range of medical practitioners not previously associated with this field of care. Part of the Integrating Palliative Care series, this volume on surgical palliative care guides readers through the core palliative skills and knowledge needed to deliver high value care for patients with life-limiting, critical, and terminal illness under surgical care. Chapters explore the historical, philosophical, and spiritual principles of surgical palliative care, and follow the progression of the seriously ill surgical patient's journey from the pre-operative encounter, to the invasive procedure, to

the post-operative setting, and on to survivorship. An overview of the future of surgical palliative care education and research rounds out the text. Surgical Palliative Care is an ideal resource for surgeons, surgical nurses, intensivists, and other practitioners who wish to learn more about integrating palliative care into the surgical field.

A NEW YORK TIMES NOTABLE BOOK • The dramatic story of the Flint water crisis, by a relentless physician who stood up to power. “Stirring . . . [a] blueprint for all those who believe . . . that ‘the world . . . should be full of people raising their voices.’”—The New York Times “Revealing, with the gripping intrigue of a Grisham thriller.” —O: The Oprah Magazine Here is the inspiring story of how Dr. Mona Hanna-Attisha, alongside a team of researchers, parents, friends, and community leaders, discovered that the children of Flint, Michigan, were being exposed to lead in their tap water—and then battled her own government and a brutal backlash to expose that truth to the world. Paced like a scientific thriller, *What the Eyes Don’t See* reveals how misguided austerity policies, broken democracy, and callous bureaucratic indifference placed an entire city at risk. And at the center of the story is Dr. Mona herself—an immigrant, doctor, scientist, and mother whose family’s activist roots inspired her pursuit of justice. *What the Eyes Don’t See* is a riveting account of a shameful disaster that became a tale of hope, the story of a city on the ropes that came together to fight for justice, self-determination, and the right to build a better world for their—and all of our—children. Praise for *What the Eyes Don’t See* “It is one thing to point out a problem. It is another thing altogether to step up and work to fix it. Mona Hanna-Attisha is a true American hero.”—Erin Brockovich “A clarion call to live a life of purpose.”—The Washington Post “Gripping . . . entertaining . . . Her book has power precisely because she takes the events she recounts so personally. . . . Moral outrage present on every page.”—The New York Times Book Review “Personal and emotional. . . She vividly describes the effects of lead poisoning on her young patients. . . . She is at her best when recounting the detective work she undertook after a tip-off about lead levels from a friend. . . . ?Flint will not be defined by this crisis,’ vows Ms. Hanna-Attisha.”—The Economist “Flint is a public health disaster. But it was Dr. Mona, this caring, tough pediatrician turned detective, who cracked the case.”—Rachel Maddow

The X-Ray Technician Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: radiologic procedures and radiographic techniques; radiographic exposure; anatomy, physiology systems and pathology; radiation protection and radiobiology; electrical and radiation physics; and other related areas.

A previous AJN Book-of-the-Year Award winner, Burns & Grove’s *The Practice of Nursing Research: Appraisal, Synthesis, and Generation of Evidence*, 9th Edition is the trusted resource for those wanting to master the research

methods that are foundational to evidence-based practice. This highly respected textbook covers how to appraise and apply existing research evidence, as well as how to participate in research and quality improvement projects. This new 9th edition has been extensively updated to reflect today's focus on online research in the digital era and includes clear, step-by-step guidelines for all major quantitative and qualitative research approaches — including supporting examples from the latest high-quality literature. There's also new content on translational research, coverage of the most current research tools and techniques, and an increased use of illustrations, tables, and other visuals to help engage visually oriented readers of all levels. Coverage of quantitative, qualitative, and other research methodologies provides a solid foundation to conduct, appraise, and apply research evidence to the realities of today's clinical practice. Balanced coverage of qualitative and quantitative methods addresses the qualitative research methodologies that are often the starting point of research projects, particularly in magnet hospitals and DNP programs. Clear, comprehensive coverage is organized into five units that include: an introduction to nursing research; coverage of the research process; application for evidence-based health care; how to analyze data, determine outcomes, and disseminate research; and how to propose and seek funding for research. Strong emphasis on evidence-based practice addresses this key graduate-level QSEN competency and reinforces how to generate research evidence and appraise and synthesize existing research for application to clinical practice. Rich examples from nursing literature bring research principles to life. Emphasis on the most currently used research methodologies focuses on the methods used in both quantitative research and qualitative research, as well as outcomes research and mixed-methods research. Coverage of digital data collection examines the use of online research tools. Quick-reference summaries include a table of research methods inside the front cover and a list of types of research syntheses (with definitions) inside the back cover. Helpful user resources are included with each new text purchase on the companion Evolve website and feature 400 interactive review questions along with a library of 10 full-text research articles.

#1 NEW YORK TIMES BESTSELLER • “The story of modern medicine and bioethics—and, indeed, race relations—is refracted beautifully, and movingly.”—Entertainment Weekly NOW A MAJOR MOTION PICTURE FROM HBO® STARRING OPRAH WINFREY AND ROSE BYRNE • ONE OF THE “MOST INFLUENTIAL” (CNN), “DEFINING” (LITHUB), AND “BEST” (THE PHILADELPHIA INQUIRER) BOOKS OF THE DECADE • ONE OF ESSENCE’S 50 MOST IMPACTFUL BLACK BOOKS OF THE PAST 50 YEARS • WINNER OF THE CHICAGO TRIBUNE HEARTLAND PRIZE FOR NONFICTION NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The New York Times Book Review • Entertainment Weekly • O: The Oprah Magazine • NPR • Financial Times • New York • Independent (U.K.) • Times (U.K.) • Publishers Weekly • Library Journal • Kirkus Reviews • Booklist • Globe and Mail Her name was Henrietta

Lacks, but scientists know her as HeLa. She was a poor Southern tobacco farmer who worked the same land as her slave ancestors, yet her cells—taken without her knowledge—became one of the most important tools in medicine: The first “immortal” human cells grown in culture, which are still alive today, though she has been dead for more than sixty years. HeLa cells were vital for developing the polio vaccine; uncovered secrets of cancer, viruses, and the atom bomb’s effects; helped lead to important advances like in vitro fertilization, cloning, and gene mapping; and have been bought and sold by the billions. Yet Henrietta Lacks remains virtually unknown, buried in an unmarked grave. Henrietta’s family did not learn of her “immortality” until more than twenty years after her death, when scientists investigating HeLa began using her husband and children in research without informed consent. And though the cells had launched a multimillion-dollar industry that sells human biological materials, her family never saw any of the profits. As Rebecca Skloot so brilliantly shows, the story of the Lacks family—past and present—is inextricably connected to the dark history of experimentation on African Americans, the birth of bioethics, and the legal battles over whether we control the stuff we are made of. Over the decade it took to uncover this story, Rebecca became enmeshed in the lives of the Lacks family—especially Henrietta’s daughter Deborah. Deborah was consumed with questions: Had scientists cloned her mother? Had they killed her to harvest her cells? And if her mother was so important to medicine, why couldn’t her children afford health insurance? Intimate in feeling, astonishing in scope, and impossible to put down, *The Immortal Life of Henrietta Lacks* captures the beauty and drama of scientific discovery, as well as its human consequences.

When is it appropriate to return individual research results to participants? The immense interest in this question has been fostered by the growing movement toward greater transparency and participant engagement in the research enterprise. Yet, the risks of returning individual research results—such as results with unknown validity—and the associated burdens on the research enterprise are competing considerations. *Returning Individual Research Results to Participants* reviews the current evidence on the benefits, harms, and costs of returning individual research results, while also considering the ethical, social, operational, and regulatory aspects of the practice. This report includes 12 recommendations directed to various stakeholders—investigators, sponsors, research institutions, institutional review boards (IRBs), regulators, and participants—and are designed to help (1) support decision making regarding the return of results on a study-by-study basis, (2) promote high-quality individual research results, (3) foster participant understanding of individual research results, and (4) revise and harmonize current regulations.

Advances in medical, biomedical and health services research have reduced the level of uncertainty in clinical practice. Clinical practice guidelines (CPGs) complement this progress by establishing standards of care backed by strong scientific evidence. CPGs are statements that include recommendations intended to optimize patient care. These

statements are informed by a systematic review of evidence and an assessment of the benefits and costs of alternative care options. Clinical Practice Guidelines We Can Trust examines the current state of clinical practice guidelines and how they can be improved to enhance healthcare quality and patient outcomes. Clinical practice guidelines now are ubiquitous in our healthcare system. The Guidelines International Network (GIN) database currently lists more than 3,700 guidelines from 39 countries. Developing guidelines presents a number of challenges including lack of transparent methodological practices, difficulty reconciling conflicting guidelines, and conflicts of interest. Clinical Practice Guidelines We Can Trust explores questions surrounding the quality of CPG development processes and the establishment of standards. It proposes eight standards for developing trustworthy clinical practice guidelines emphasizing transparency; management of conflict of interest ; systematic review--guideline development intersection; establishing evidence foundations for and rating strength of guideline recommendations; articulation of recommendations; external review; and updating. Clinical Practice Guidelines We Can Trust shows how clinical practice guidelines can enhance clinician and patient decision-making by translating complex scientific research findings into recommendations for clinical practice that are relevant to the individual patient encounter, instead of implementing a one size fits all approach to patient care. This book contains information directly related to the work of the Agency for Healthcare Research and Quality (AHRQ), as well as various Congressional staff and policymakers. It is a vital resource for medical specialty societies, disease advocacy groups, health professionals, private and international organizations that develop or use clinical practice guidelines, consumers, clinicians, and payers.

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