

Diagnostic Case Study Mr Jones Christine E Buckingham

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Current Research on Clinical Cancer Diagnosis, Therapy, and Patient-Centered Science - American Cancer Society
Information Exchange. Current Cancer Research Project Analysis Center 1975
2775 references to research projects being conducted in the United States and elsewhere. Entries arranged under 11 topics, e.g., Cancer therapy, Supportive care of cancer patients, and Rehabilitation. Entries include title, researcher, address, contract number, summary, and supporting agency. Indexes by subjects, investigators, contractors, supporting agencies, and contractor numbers.

The Future of Nursing - Institute of Medicine 2011-02-08

The Future of Nursing explores how nurses' roles, responsibilities, and education should change significantly to meet the increased demand for care that will be created by health care reform and to advance improvements in America's increasingly complex health system. At more than 3 million in number, nurses make up the single largest segment of the health care work force. They also spend the greatest amount of time in delivering patient care as a profession. Nurses therefore have valuable insights and unique abilities to contribute as partners with other health care professionals in improving the quality and safety of care as envisioned in the Affordable Care Act (ACA) enacted this year. Nurses should be fully engaged with other health professionals and assume leadership roles in redesigning care in the United States. To ensure its members are well-prepared, the profession should institute residency training for nurses, increase the percentage of nurses who attain a bachelor's degree to 80 percent by 2020, and double the number who pursue doctorates. Furthermore, regulatory and institutional obstacles -- including limits on nurses' scope of practice -- should be removed so that the health system can reap the full benefit of nurses' training, skills, and knowledge in patient care. In this book, the Institute of Medicine makes recommendations for an action-oriented blueprint for the future of nursing.

Improving Diagnosis in Health Care - National Academies of Sciences, Engineering, and Medicine 2016-01-29

Getting the right diagnosis is a key aspect of health care - it provides an explanation of a patient's health problem and informs subsequent health care decisions. The diagnostic process is a complex, collaborative activity that involves clinical reasoning and information gathering to determine a patient's health problem. According to *Improving Diagnosis in Health Care*, diagnostic errors-inaccurate or delayed diagnoses-persist throughout all settings of care and continue to harm an unacceptable number of patients. It is likely that most people will experience at least one diagnostic error in their lifetime, sometimes with devastating consequences. Diagnostic errors may cause harm to patients by preventing or delaying appropriate treatment, providing unnecessary or harmful treatment, or resulting in psychological or financial repercussions. The committee concluded that improving the diagnostic process is not only possible, but also represents a moral, professional, and public health imperative. *Improving Diagnosis in Health Care*, a continuation of the landmark Institute of Medicine reports *To Err Is Human* (2000) and *Crossing the Quality Chasm* (2001), finds that diagnosis-and, in particular, the occurrence of diagnostic errors"has been largely unappreciated in efforts to improve the quality and safety of health care. Without a dedicated focus on improving diagnosis, diagnostic errors will likely worsen as the delivery of health care and the diagnostic process continue to increase in complexity. Just as the diagnostic process is a collaborative activity, improving diagnosis will require collaboration and a widespread commitment to change among

health care professionals, health care organizations, patients and their families, researchers, and policy makers. The recommendations of *Improving Diagnosis in Health Care* contribute to the growing momentum for change in this crucial area of health care quality and safety.

Magnetic Resonance Imaging in Orthopedic Sports Medicine - Robert Pedowitz 2008-12-01

This uniquely interdisciplinary book is a practical resource on orthopedic MR imaging that bridges the backgrounds of radiologists and orthopedic surgeons. Radiologists learn why surgeons order imaging studies. They also learn terminology that will help them tailor reports to the specialty. Orthopedic surgeons gain insight on when to order an MRI, how MRI affects decision making, and how to interpret images. Case studies also depict key clinical and exam points, supplemented by MR images and illustrations. Shorter sections highlight other anatomical areas, and additional chapters address diagnostic accuracy and imaging pitfalls.

Etiology of Hodgkin's Disease - Ruth F. Jarrett 2012-12-06

This volume reports the proceedings of a NATO Advanced Workshop held at Cameron House Hotel, Loch Lomond, Scotland, from May 2 - 5, 1994. The major impetus for this workshop was the realisation, over the past 7 years, that the Epstein-Barr virus is associated with a proportion of cases of Hodgkin's disease and is likely to play an aetiological role. There were four main aims of the workshop: first, to discuss the recent findings in relation to Epstein Barr virus and the aetiology of Hodgkin's disease; second, to relate these data to the epidemiology of Hodgkin's disease; third, to discuss other potential aetiological factors and finally, to discuss future directions for research into Hodgkin's disease. Leading experts in the field have contributed chapters to this volume. There is some overlap among chapters, particularly regarding Epstein-Barr virus, thereby allowing different groups to express views on similar topics. Perhaps, however, the most surprising feature of the workshop was the lack of controversy regarding the role of Epstein-Barr virus in Hodgkin's disease, an association that was treated with great scepticism at the beginning of the decade. The first three chapters, by Alexander, Taylor et al., and Levine et al., discuss the epidemiology of Hodgkin's disease with particular attention to clustering and genetic susceptibility. These chapters represent the first attempt to bring together epidemiological and molecular studies in Hodgkin's disease.

Bone Marrow Biopsy Pathology - Christine Beham-Schmid 2020-08-05

This comprehensive, superbly illustrated reference is designed to provide practical diagnostic assistance for hematopathologists when dealing with common and uncommon lesions in bone marrow trephine biopsies (BMTBs). At the heart of the book is a systematic analysis of neoplastic hematological and non-hematological disease entities, with concise identification of the key features of myeloproliferative neoplasms, myelodysplastic syndromes, acute and chronic leukemias, eosinophilia-associated myeloid/lymphoid neoplasms, lymphoproliferative disorders, and selected non-hematopoietic malignancies. Relevant examples of BMTBs are presented, with microscopic description, high-quality photomicrographs, and clinical data. The book also explains how to assess hematopoietic and stromal components of normal BMTBs, identifies the heterogeneous patterns that may be observed in healthy individuals, and analyzes reactive conditions, with particular attention to diagnostic problems and pitfalls.

Diagnostic Techniques in Hematological Malignancies - Wendy N. Erber 2010-11-11

The diagnosis and monitoring of hematological malignancies is complex and requires a systematic

approach. Morphology, cell phenotyping, cytogenetics and molecular genetics are essential, and the results must be integrated. *Diagnostic Techniques in Hematological Malignancies* details the principles and applications of each of these test types in the diagnosis of hematological malignancies in blood and bone marrow. The first section describes the test modalities - including methodological principles, data interpretation and limitations - and is illustrated by clinical examples. The second section focuses on the clinical entities, detailing the most appropriate tests for diagnosis, staging and monitoring of different hematological malignancies and includes test utilization to identify prognostic markers and potential therapeutic targets. With contributions from multiple international experts, this illustrated book is an essential resource for qualified and trainee hematologists, oncologists, and pathologists. It's a practical and useful guide, providing a rational and structured approach to the laboratory assessment of hematological malignancies.

Reducing Neonatal Infectious Morbidity and Mortality: Joining Up Our Thinking - Christine Elizabeth Jones 2019-11-25

Harper's Textbook of Pediatric Dermatology - Peter H. Hoeger 2019-12-04

A consummate classic with a fresh approach to pediatric dermatology Children's skin is different. Maturation affects the epidermal barrier, the cutaneous microbiome, adnexal structures, vasculature, and transcutaneous absorption of drugs. The immature skin is more susceptible to pathogens and environmental disruption. Many genetic disorders are either present at birth or manifest early in childhood. Skin diseases thus present differently in children than in adults. Pediatric dermatology has seen significant advances over the last decade, particularly in the field of molecular genetics research, which has furthered our understanding of the pathogenesis of many skin diseases and the development of new approaches to treatment. This fourth edition of the Harper classic provides state-of-the-art information on all aspects of skin disease in children. It covers the diagnosis and treatment of all conditions - both common and rare - with a consistently evidence-based approach. Existing content has been refreshed and fully updated to reflect emerging thinking and to incorporate the latest in research and clinical data - especially at the genetic level. This new fourth edition includes: Greater focus on the genetics behind skin disease, including new genes/genodermatoses, progress in genetic analysis, and stem cell transplants Increased coverage of lasers and other technologies used to treat skin disease More summary tables, learning points, tables of differential diagnosis, and clinical algorithms for diagnosis and management Additional online features, including patient information links and multiple choice questions Harper's Textbook of Pediatric Dermatology delivers crucial clinical insights and up-to-date research information that spans the breadth of the field. As the most comprehensive reference book on this subject available, this revised fourth edition will support and guide the daily practice of both dermatologists and pediatricians across the world.

Cumulated Index Medicus - 1991

Learn ing Pedi atric Imagi ng María I. Martínez-León 2011-03-03

This book, in a user-friendly format, is an ideal introduction to pediatric diagnostic imaging. It presents 100 cases drawn from clinical practice that range from commonly encountered disorders to complex and infrequent situations which must be recognized by the practitioner. Each case serves to identify essential imaging features of the pathology under consideration and will assist the reader in diagnosing similar cases. The book is divided into ten chapters, each comprising ten cases that are presented in a standard way. After discussion of the disorder in question, four representative images are displayed and described with special attention to distinctive features. In addition, informative key references are provided, including a book or book chapter, a web link, and ten recent articles.

General Thoracic Surgery - Thomas W. Shields 2011-12-21

Long considered the bible of thoracic surgery, this comprehensive two-volume textbook guides you through virtually every open and endoscopic surgical technique with expert commentary by the leaders in thoracic surgery from around the world. Coverage includes extensive sections on lung cancer and other pulmonary tumors. All facets of thoracic disease are covered from anatomy and embryology to diagnostics, including extensive radiological sections. Multidisciplinary contributions on medical treatment, radiation oncology,

and surgery and anesthesia are included. Highlights include new material on minimally invasive procedures and thoroughly updated diagnostic and treatment information. Operative checklists are included in procedural chapters, and procedures are presented as bulleted to-do lists wherever possible. A companion Website will offer the fully searchable text with all images and video clips of selected procedures.

Medical Press and Circular - 1901

Cross-cultural Perspectives in Medical Ethics - Robert M. Veatch 2000

Cross- Cultural Perspectives in Medical Ethics, Second Edition, is an anthology of the latest and best readings on the medical ethics of as many of the major religious, philosophical, and medical traditions that are available today.

Strengthening Forensic Science in the United States - National Research Council 2009-07-29

Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. *Strengthening Forensic Science in the United States: A Path Forward* provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. *Strengthening Forensic Science in the United States* gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Early Diagnosis and Intervention in Predementia Alzheimer's Disease, An Issue of Medical Clinics, - Jose L. Molinuevo 2013-05-11

This issue of *Medical Clinics* covers the important advances surrounding the early intervention of Alzheimer's Disease. Guest edited by world-renowned experts from around the world, the topics covered will include evaluation of new diagnostic criteria, CSF biomarkers, diagnostic imaging, neurocognitive approaches, breaking clinical trials and more.

Introduction to Gynecologic Cytopathology - Leopold G. Koss 1999

This volume addresses the essentials of cytopathology of the female genital tract. Histology and modern diagnostic techniques are discussed as well.

The Lancet - 1992-10

The Literary World 1904

Evidence-based Practice for Health Professionals - Bernadette Howlett 2014

Evidence-based practice (EBP) has become the standard in medical practice today. *Evidence-based Practice for Health Professionals: An Interprofessional Approach* covers the fundamentals of applying medical evidence to clinical practice and discussing research findings with patients and fellow professionals. This essential text explains the basic concepts of EBP, its applications in medicine, and how to interpret biostatistics and biomedical research. With examples derived from primary care medicine and nursing, *Evidence-Based Practice for Health Professionals* teaches the skills needed to access and interpret research in order to successfully apply it to collaborative, clinical decisions. Students gain valuable practice with skill-building learning activities, such as explaining the evidence for treatments to patients, developing a standard of care, selecting a diagnostic tool, and designing community-based educational materials.

Nursing Diagnosis Handbook - Betty J. Ackley 2008

A reference to help nursing students and practising nurses select a nursing diagnosis and write plans of

care with ease and confidence. The book provides care plans for every NANDA diagnosis and provides a quick access index of appropriate nursing diagnoses for over 1200 clinical entities.

Atlas of Pediatric Brain Tumors - Adekunle M. Adesina 2016-10-03

This text was created to fill a void in the practice of pediatric neuropathology. It is a practical and well-illustrated book representing a collection of interesting, common and unusual tumors for a diagnostic exercise by the reader. The wide reception of the first edition by the pathology community is testament to its relevance and utility in the pathologic diagnosis of pediatric brain tumors. This edition covers topics ranging from neuroimaging, the use of crush and touch preps during intraoperative consultation, classic histological features of pediatric brain tumors, tumor variants, and a miscellaneous group of challenging tumors. Chapters consist of essential diagnostic information and features highlighting recognized variants and their differential diagnoses. A section on molecular pathology and electron microscopy is also included for each tumor category, along with a list of classic reviews and innovative articles on each of the tumor entities as suggested reading at the end of each chapter. Atlas of Pediatric Brain Tumors, Second Edition represents the state of the art in pediatric neuropathology with easy utility beside the microscope.

Avery's Diseases of the Newborn E-Book - Christine A. Gleason 2017-11-21

Covering the evaluation and management of every key disease and condition affecting newborns, Avery's Diseases of the Newborn, by Drs. Christine A. Gleason and Sandra E. Juul, remains your #1 source for practical, clinically relevant information in this fast-changing field. You'll find the specific strategies you need to confidently diagnose and treat this unique patient population, in a full-color, easy-to-use single volume that focuses on key areas of practice. Now in a thoroughly revised 10th Edition, this highly respected reference is an authoritative clinical resource for neonatal practitioners. Provides up-to-date information on every aspect of newborn evaluation and management in a new, visually improved format featuring more than 500 all-new, full-color illustrations integrated within each chapter. Includes greatly expanded Neurology and Hematology sections that highlight the knowledge and expertise of new co-editor, Dr. Sandra E. Juul. Features all-new chapters on Palliative Care, Gastroesophageal Reflux, Platelet Disorders, Transfusion Therapy, Hypertension, , and The Ear and Hearing Disorders, as well as expanded coverage of brain injury and neuroprotective strategies in the preterm and term infant. Contains new Key Points boxes at the beginning of every chapter. Brings you up to date on current topics such as the evolving epidemic of neonatal abstinence syndrome and the new clinical uses of ultrasound.

Physician's Guide to the Diagnosis, Treatment, and Follow Up of Inherited Metabolic Disorders - Francis and Brown 2022

This updated and enlarged second edition is a unique source of information on the diagnosis, treatment, and follow-up of metabolic diseases. The clinical and laboratory data characteristic of rare metabolic conditions can be bewildering for clinicians and laboratory personnel alike reference laboratory data is scattered, and clinical descriptions can be obscure. The new Physicians Guide with the additional more than 600 diseases now featured, documents 1200 conditions grouped according to type of disorder, organ system affected (e.g. liver, kidney, etc) or phenotype (e.g. neurological, hepatic, etc). It includes relevant clinical findings and highlights the pathological values for diagnostic metabolites. Guidance on appropriate biochemical genetic testing is also provided and established experimental therapeutic protocols are described, with recommendations on follow-up and monitoring. The authors are acknowledged experts, and the book is a valuable desk reference for all who deal with inherited metabolic diseases.

Essentials of Nursing Leadership and Management - Ruth M. Tappen 2004-01

This new edition focuses on preparing your students to assume the role as a significant member of the health-care team and manager of care, and is designed to help your students transition to professional nursing practice. Developed as a user-friendly text, the content and style makes it a great tool for your students in or out of the classroom. (Midwest).

Lewis's Medical-Surgical Nursing - Diane Brown 2017-03-25

Perfect for: • Undergraduate Nursing Students • Postgraduate Specialist Nursing Pathways (Advanced Medical Surgical Nursing) • TAFE Bachelor of Nursing Program Lewis's Medical-Surgical Nursing: Assessment and Management of Clinical Problems, 4th Edition is the most comprehensive go-to reference for essential information about all aspects of professional nursing care of patients. Using the nursing

process as a framework for practice, the fourth edition has been extensively revised to reflect the rapid changing nature of nursing practice and the increasing focus on key nursing care priorities. Building on the strengths of the third Australian and New Zealand edition and incorporating relevant global nursing research and practice from the prominent US title Medical-Surgical Nursing, 9th Edition, Lewis's Medical-Surgical Nursing, 4th Edition is an essential resource for students seeking to understand the role of the professional nurse in the contemporary health environment. 49 expert contributors from Australia and New Zealand Current research data and Australian and New Zealand statistics Focus on evidence-based practice Review questions and clinical reasoning exercises Evolve Resources for instructor and student, including quick quiz's, test banks, review questions, image gallery and videos. • Chapter on current national patient safety and clinical reasoning • Over 80 new and revised case studies • Chapter on rural and remote area nursing • Fully revised chapter on chronic illness and complex care • Chapter on patient safety and clinical reasoning • Greater emphasis on contemporary health issues, such as obesity and emergency and disaster nursing • Australia and New Zealand sociocultural focus
British Medical Journal 1901

Gestational Trophoblastic Disease - Pei Hui 2011-12-14

In this volume Dr Hui has brought together a comprehensive overview of gestational trophoblastic disease that includes all the currently recognized entities: complete and partial hydatidiform moles, placental site trophoblastic tumor, epithelioid trophoblastic tumor, gestational choriocarcinoma, persistent gestational trophoblastic neoplasia, placental site nodule and exaggerated placental site reaction. Each entity is reviewed in detail, with emphasis on genetic background, clinical presentation, pathologic findings and ancillary studies, differential diagnosis and clinicopathological correlations. Descriptions of the pathology are supported by numerous excellent photomicrographs. Recent advances in our understanding of the genetics of gestational trophoblastic diseases are stressed. Introductory chapters cover the developmental biology of the placenta and the genetic basis of gestational trophoblastic disease, and one chapter is devoted to the molecular diagnosis of gestational trophoblastic disease. This chapter includes a review of the use of short tandem repeat (STR) genotyping which is of particular value in the diagnosis of hydatidiform moles. The final chapter covers clinical aspects of gestational trophoblastic disease, including treatment. The text throughout is current and thoroughly referenced. This book will be of great value to pathologists, community gynecologists, gynecological pathologists and medical students.
Social Sciences Index 1990

The Dial - Francis Fisher Browne 1910

Index Medicus- 2003

Gynecologic and Obstetric Pathology, Volume 2 - Wenxin Zheng 2019-07-01

This fully indexed, 2-volume book covers all aspects of gynecologic and obstetric pathology. It focuses on practical issues in each chapter by demonstrating pitfalls of diagnosis in addition to general criteria needed for each disease entity. As a reference book on gynecologic and obstetric pathology, it is targeted for practicing pathologists, pathology residents, gynecologic pathology and oncology fellows, clinicians, healthcare providers, and biomedical researchers and is intended for use as a bench or scope side reference, resource for studying for board examinations or to satisfy any interest in certain topics within the field of gynecologic pathology. Volume 2 contains 17 chapters covering disease entities of the uterine myometrium, ovary, fallopian tube, peritoneum, placenta, gestational trophoblastic diseases, and gynecology related cytology. It covers all the recognized recent advances within the field. Key diagnostic and differential diagnosis related points are illustrated in numerous tables. In addition, plenty of high quality pictures are presented for the vast majority of entities to facilitate both learning and teaching.
Miscellaneous et al Imaging of the Older Population, An Issue of Radiologic Clinics of North America, Eric Y. Chang 2022-06-13

In this issue of Radiologic Clinics, guest editors Drs. Eric Chang and Christine B. Chung bring their

considerable expertise to the topic of Imaging of the Older Population. By 2030, one of every five Americans is projected to be over age 65, with persons over 85 years constituting one of the fastest-growing portions of the population. This issue provides expert coverage of key topics including osteoporosis and osteoarthritis, with individual chapters on specific areas of the body: spine, hip, knee, and shoulder. Contains 12 relevant, practice-oriented topics including imaging of osteoporosis; imaging of chronic kidney disease: mineral and bone disorder; imaging of osteoarthritis of the hip; imaging of the aging spine; imaging of musculoskeletal tumors in the elderly; and more. Provides in-depth clinical reviews on imaging of the older population, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

Annual Review of Nursing Research, Volume 31, 2013 - Barbara Smith 2013-10-28

Print+CourseSmart

Clinical Case Studies for the Family Nurse Practitioner - Leslie Neal-Boylan 2011-11-28

Clinical Case Studies for the Family Nurse Practitioner is a key resource for advanced practice nurses and graduate students seeking to test their skills in assessing, diagnosing, and managing cases in family and primary care. Composed of more than 70 cases ranging from common to unique, the book compiles years of experience from experts in the field. It is organized chronologically, presenting cases from neonatal to geriatric care in a standard approach built on the SOAP format. This includes differential diagnosis and a series of critical thinking questions ideal for self-assessment or classroom use.

Patient Safety and Quality 2008

"Nurses play a vital role in improving the safety and quality of patient care -- not only in the hospital or ambulatory treatment facility, but also of community-based care and the care performed by family members. Nurses need to know what proven techniques and interventions they can use to enhance patient outcomes. To address this need, the Agency for Healthcare Research and Quality (AHRQ), with additional funding from the Robert Wood Johnson Foundation, has prepared this comprehensive, 1,400-page, handbook for nurses on patient safety and quality -- Patient Safety and Quality: An Evidence-Based Handbook for Nurses. (AHRQ Publication No. 08-0043)." -- Online AHRQ blurb, <http://www.ahrq.gov/qual/nursesdbk>.

Obsessive-Compulsive Disorder (OCD) Across the Lifespan: Current Diagnostic Challenges and the Search for Personalized Treatment - Roseli Gedanke Shavitt 2022-10-03

Gastrointestinal and Liver Pathology - Christine A. Iacobuzio-Donahue 2011-06-06

Gastrointestinal and Liver Pathology, a title in the Foundations in Diagnostic Pathology series, provides all the most essential information on the pathological entities encountered in practice in an easy-to-use format. Drs. Christine A. Iacobuzio-Donahue and Elizabeth Montgomery examine the full scope of neoplastic and non-neoplastic disorders of the gastrointestinal tract, including disorders of the tubular gastrointestinal tract, pancreatobiliary tree, and liver—from clinical features and ancillary studies to differential diagnoses and prognostic and therapeutic considerations. The consistent, practical format with a wealth of illustrations, boxes, and tables make this title ideal for quick reference for both novices and experienced pathologists. Get the full range of coverage on neoplastic and non-neoplastic gastrointestinal/liver conditions in a consistent, user-friendly format. Catch all the nuances of how pathological entities present through over 850 full-color illustrations. Reference key information quickly and easily thanks to at-a-glance boxes and tables throughout the text. Stay current with the latest in molecular diagnostic techniques through a new chapter on this increasingly important topic. Find information on lymphoid neoplasms of the GI tract more easily with coverage consolidated into a new, focused chapter. Easily identify newly

described entities highlighted in updated images and references. Enhance your visual understanding from 100 new clinical and photomicroscopic images. Gain increased at-a-glance reference thanks to more fact sheets and pathologic features boxes.

Geriatric Medicine - Christine K. Cassel 2006-05-29

Since the publication of the third edition of *Geriatric Medicine*, extraordinary advances have occurred in the science of aging and the potential for biomedical research to give us answers to many, if not most, of the age-related disorders that threaten the quality of life in older years. At the most basic level, the successful mapping of the human genome was declared complete in the fall of 2000. Understanding the map of the human genome is as important as understanding the map of genomes of important laboratory species, ranging from the microscopic worms and fruit flies used in most classic genetic studies to rodents such as laboratory mice, and eventually to primates, on which much of the research on the aging human brain is done. The genetic maps of all of these species, including our own, does not answer clinical questions, but it does open the door to dramatic, rapid, and efficient answers to questions about the genetic polymorphisms related to diseases in humans. The telomerase story also unfolded since the third edition. Telomerase is an enzyme responsible for maintaining the telomeres—the redundant DNA portions at the end of chromosomes—whose shortening seems to be linked directly to cell senescence, apoptosis, and the control over cell death, which, at the level of the individual cell, seems to be linked to the decline of organ function and eventually aging and death within the organism.

The Immortal Life of Henrietta Lacks - Rebecca Skloot 2010-02-02

#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.