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The Heredity Factor - William L. Nyhan 1976

Human Genetics and Genomics - Bruce R. Korf 2012-11-19

This fourth edition of the best-selling textbook, *Human Genetics and Genomics*, clearly explains the key principles needed by medical and health sciences students, from the basis of molecular genetics, to clinical applications used in the treatment of both rare and common conditions. A newly expanded Part 1, *Basic Principles of Human Genetics*, focuses on introducing the reader to key concepts such as Mendelian principles, DNA replication and gene expression. Part 2, *Genetics and Genomics in Medical Practice*, uses case scenarios to help you engage with current genetic practice. Now featuring full-color diagrams, *Human Genetics and Genomics* has been rigorously updated to reflect today's genetics teaching, and includes updated discussion of genetic risk assessment, "single gene" disorders and therapeutics. Key learning features include: Clinical snapshots to help relate science to practice 'Hot topics' boxes that focus on the latest developments in testing, assessment and treatment 'Ethical issues' boxes to prompt further thought and discussion on the implications of genetic developments 'Sources of information' boxes to assist with the practicalities of clinical research and information provision Self-assessment review questions in each chapter Accompanied by the Wiley E-Text digital edition (included in the price of the book), *Human Genetics and Genomics* is also fully supported by a suite of online resources at www.korfgenetics.com, including: Factsheets on 100 genetic disorders, ideal for study and exam preparation Interactive Multiple Choice Questions (MCQs) with feedback on all answers Links to online resources for further study Figures from the book available as PowerPoint slides, ideal for teaching purposes The perfect companion to the genetics component of both problem-based learning and integrated medical courses, *Human Genetics and Genomics* presents the ideal balance between the bio-molecular basis of genetics and clinical cases, and provides an invaluable overview for anyone wishing to engage with this fast-moving discipline.

Genetic Counseling - Arno G. Motulsky 1974

Clinical Genetics in Nursing Practice - Felissa R. Lashley 2005-04-15
Print+CourseSmart

Early Diagnosis of Human Genetic Defects - Maureen Harris 1971

Human Gene Therapy - Eve K. Nichols 1988

Nichols explores the potential for gene therapy and identifies those who are candidates for it. Having provided a biomedical background for understanding somatic cell gene therapy, she takes a thoughtful look at complex and sensitive issues surrounding ethical, economic, and policy aspects of manipulating human genes.

Genetic Counseling - Felix F. De la Cruz 1977

To Test or Not To Test - Doris Teichler Zallen 2008-09-29

Tests are a standard part of modern medicine. We willingly screen our blood, urine, vision, and hearing, and submit to a host of other exams with names so complicated that we can only refer to them by their initials: PET, ECG, CT, and MRI. Genetic tests of our risks for disease are the latest trend in medicine, touted as an approach to informed and targeted treatment. They offer hope for some, but also raise medical, ethical, and psychological concerns for many including when genetic information is worth having. *To Test or Not to Test* arms readers with questions that should be considered before they pursue genetic screening. Am I at higher risk for a disorder? Can genetic testing give me useful information? Is the timing right for testing? Do the benefits of having the genetic information outweigh the problems that testing can bring? Determining the answers to these questions is no easy task. In this highly readable book, Doris Teichler Zallen provides a template that can guide individuals and families through the decision-making process and offers additional resources where they can gain more information. She shares interviews with genetic specialists, doctors, and researchers, as well as the personal stories of nearly 100 people who have faced genetic-testing decisions. Her examples focus on genetic testing for four types of illnesses: breast/ovarian cancer (different disorders but closely connected), colon cancer, late-onset Alzheimer's disease, and hereditary

hemochromatosis. From the more common diseases to the rare hereditary conditions, we learn what genetic screening is all about and what it can tell us about our risks. Given that we are now bombarded with ads in magazines and on television hawking the importance of pursuing genetic-testing, it is critical that we approach this tough issue with an arsenal of good information. *To Test or Not to Test* is an essential consumer tool-kit for the genetic decision-making process.

Assessing Genetic Risks - Institute of Medicine 1994-01-01

Raising hopes for disease treatment and prevention, but also the specter of discrimination and "designer genes," genetic testing is potentially one of the most socially explosive developments of our time. This book presents a current assessment of this rapidly evolving field, offering principles for actions and research and recommendations on key issues in genetic testing and screening. Advantages of early genetic knowledge are balanced with issues associated with such knowledge: availability of treatment, privacy and discrimination, personal decision-making, public health objectives, cost, and more. Among the important issues covered: Quality control in genetic testing. Appropriate roles for public agencies, private health practitioners, and laboratories. Value-neutral education and counseling for persons considering testing. Use of test results in insurance, employment, and other settings.

Genetic Disorders and the Fetus - Aubrey Milunsky 2012-12-06

Technological advances continue to expand the number of genetic disorders that can be diagnosed in utero. Utilization of this new technology has demanded special expertise available in relatively few academic centers. As these new applications have become more widespread so have the realities of the medicolegal implications. Notwithstanding the laboratory challenges, most legal action, at least in the United States, has arisen from the physician's failure to inform a patient about the risks of a genetic disorder or the opportunities presented by prenatal diagnosis. Hence an extensive thorough reexamination of the subject seems appropriate and timely. The steady escalation in the number of prenatal genetic studies now being done in the western world makes it imperative for the physician to have a thorough comprehension of the subject in its entirety. I am, therefore, fortunate in having colleagues who as acknowledged experts have shared their knowledge and experience in order to make this volume a major critical repository of facts and guidance about prenatal genetic diagnosis. The subject matter ranges from a consideration of required genetic counseling through the intricacies of establishing prenatal diagnoses. Special attention is focused on new advances using ultrasound, a-fetoprotein, fetoscopy, and first trimester diagnosis. Both ethical and legal implications are discussed in detail, as is the development of public policy.

[Human Genetics and Genomics, Includes Wiley E-Text](#) - Bruce R. Korf 2013-02-11

This fourth edition of the best-selling textbook, *Human Genetics and Genomics*, clearly explains the key principles needed by medical and health sciences students, from the basis of molecular genetics, to clinical applications used in the treatment of both rare and common conditions. A newly expanded Part 1, *Basic Principles of Human Genetics*, focuses on introducing the reader to key concepts such as Mendelian principles, DNA replication and gene expression. Part 2, *Genetics and Genomics in Medical Practice*, uses case scenarios to help you engage with current genetic practice. Now featuring full-color diagrams, *Human Genetics and Genomics* has been rigorously updated to reflect today's genetics teaching, and includes updated discussion of genetic risk assessment, "single gene" disorders and therapeutics. Key learning features include: Clinical snapshots to help relate science to practice 'Hot topics' boxes that focus on the latest developments in testing, assessment and treatment 'Ethical issues' boxes to prompt further thought and discussion on the implications of genetic developments 'Sources of information' boxes to assist with the practicalities of clinical research and information provision Self-assessment review questions in each chapter Accompanied by the Wiley E-Text digital edition (included in the price of the book), *Human Genetics and Genomics* is also fully supported by a suite of online resources at www.korfgenetics.com, including: Factsheets on 100 genetic disorders, ideal for study and exam preparation Interactive Multiple Choice Questions (MCQs) with feedback

on all answers Links to online resources for further study Figures from the book available as PowerPoint slides, ideal for teaching purposes The perfect companion to the genetics component of both problem-based learning and integrated medical courses, Human Genetics and Genomics presents the ideal balance between the bio-molecular basis of genetics and clinical cases, and provides an invaluable overview for anyone wishing to engage with this fast-moving discipline.

Lashley's Essentials of Clinical Genetics in Nursing Practice, Second Edition - Christine E. Kasper, PhD, RN, FAAN, FACS
2015-09-16

Completely updated to help nurses learn to think genetically Today's nurses must be able to think genetically to help individuals and families who are affected by genetic disease or contemplating genetic testing. This book is a classic resource for nursing students and practitioners at all levels who need to acquire the knowledge and skills for using genomics in their practice. This completely updated second edition encompasses the many recent advances in genetic research and knowledge, providing essential new information on the science, technology, and clinical application of genomics. It focuses on the provision of individualized patient care based on personal genetics and dispositions. The second edition is designed for use by advanced practice nursing programs, as well as undergraduate programs. It pinpoints new developments in prenatal, maternity, and pediatric issues and supplies new information on genomics-based personal drug therapy, environmental susceptibilities, genetic therapies, epigenetics, and ethics The text features a practical, clinically oriented framework in line with the core competencies defined by the AACN. It delivers information according to a lifespan approach used in the practice setting. The second edition continues to provide basic information on genomics, its impact on healthcare, and genetic disorders. It covers prevention, genetic counseling and referral, neuropsychiatric nursing, and public health. The core of the text presents information on a variety of diseases that affect patients throughout the lifespan, with specific guidance on the nursing role. Also included are tests for a variety of diseases and information on pharmacogenomics, which enable health care providers to select the best drugs for treatment based on a patient's genetic makeup. Plentiful case study examples support the information throughout. Additionally, an instructor's package of PowerPoint slides and a test bank are provided for use at both the graduate and undergraduate levels. New to the Second Edition: Completely updated with several new chapters Personal drug therapy based on genomics Environmental susceptibilities Prenatal detection and diagnosis Newborn and genetic screening Reproductive technologies Ethical issues Genetic therapies Epigenetics Content for graduate-level programs PowerPoint slides and a test bank for all student levels Key Features: Encompasses state-of-the-art genomics from a nursing perspective Provides a practical, clinically oriented lifespan approach Covers science, technology, and clinical application of genomics Addresses prevention, genetic testing, and treatment methods Written for undergraduate- and graduate-level nursing students

Human Genetics - John Hilton Edwards 1978

Genetic Dna Testing - Elizabeth Boskey 2008-09-12

This intriguing book explains genetic testing and examines the debate over prenatal and adult testing, and the effects that genetic DNA testing can potentially have on society. The debate is presented in a very easy-to-understand manner; giving the reader insight into the issues and making the pros and cons easily accessible.

Family Diseases - Myra Vanderpool Gormley 1989

While geneticists have long been interested in genealogy and genealogists in genetics, only recently have the two fields become linked in a way that promises dramatic advances in our understanding of the relationship between genetic disorders and ancestry. This book, by Los Angeles Times Syndicate columnist Myra Gormley, was a pioneering effort to explore that relationship, to alert people to things they and their family ought to know about both their family tree and genetic research, and to examine the scientific breakthroughs that have made possible the control and treatment of some inherited diseases. Written in a popular style, in language few of us will find difficult to understand, this groundbreaking work examines the genetics revolution and its implications for your health; it discusses genetic diseases and whether you and your family may be at risk; and it explores your mental and behavioral roots--your genetic susceptibility to manic depression, for example, or to alcoholism--all in the framework of ancestry and family health history.

Medical Genetics: Pearls of Wisdom - Warren G. Sanger 2002

Medical Genetics: Pearls of Wisdom is a review manual that will help physicians improve their knowledge base in medical genetics and aid in preparation for national boards, recertification exams and rotation reviews. This book provides a review of Medical Genetics Principles in a rapid-fire question and answer format, offering students immediate gratification with a correct answer.

The Prenatal Diagnosis of Hereditary Disorders - Aubrey Milunsky 1973

Essentials of Clinical Genetics in Nursing Practice - Felissa R. Lashley 2007

Print+CourseSmart

What are the Facts about Genetic Disease? - National Institute of General Medical Sciences (U.S.) 1976

Understanding Genetics - Genetic Alliance 2009

The purpose of this manual is to provide an educational genetics resource for individuals, families, and health professionals in the New York - Mid-Atlantic region and increase awareness of specialty care in genetics. The manual begins with a basic introduction to genetics concepts, followed by a description of the different types and applications of genetic tests. It also provides information about diagnosis of genetic disease, family history, newborn screening, and genetic counseling. Resources are included to assist in patient care, patient and professional education, and identification of specialty genetics services within the New York - Mid-Atlantic region. At the end of each section, a list of references is provided for additional information. Appendices can be copied for reference and offered to patients. These take-home resources are critical to helping both providers and patients understand some of the basic concepts and applications of genetics and genomics.

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