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Nota di contenuto	Cover; Title; Copyright; Contents; Contributors; Editor's Note; Preface; Reference; Share Lashley's Essentials of Clinicals Genetics in Nursing Practice: Second Edition; Part I: The Basics; Chapter 1: Genomics in Health Care; Human Genome Project; Increasing Genetic Literacy; Nursing Roles in a Genomic Era; Summary; Key Points; References; Bibliography; Chapter 2: Basic Concepts in Molecular Biology; Chromosomes; Cell Division; Chromosomes and Inheritance; Genes and DNA; Gene Expression; The Genetic Code; Gene Action and Expression; Mutations Molecular Techniques and Tools for Detection and Diagnosis of Genetic Diseases Key Points; References; Bibliography; Chapter 3: Human Diversity and Variation; We are Not All Genetically Identical; Genetic Individuality; Variations and Polymorphisms in Proteins; Variations and Polymorphisms in DNA; Maintenance of Variation and Polymorphism in Populations; Other Examples of Human Genetic Variation; Key Points; References; Bibliography; Chapter 4: Inheritance Patterns in Human Phenotypes and Types of Genetic Disorders; Inheritance Patterns of Human Phenotypes; Nontraditional Inheritance Single Gene Inherited Biochemical Disorders Chromosomal Abnormalities; Factors in Numerical Chromosome Errors; Multifactorial Disorders; Environmental Disorders; Factors Affecting the Expression of

the Phenotype; Summary; Questions for Discussion; References; Bibliography; Chapter 5: Prevention, Genetic Testing, and Treatment of Genetic Disease; Prevention; Genetic and Genomic Testing; Therapeutic Strategies Employed in Genetic Disorders; Key Points; References; Bibliography; Part II: The Integration of Genetics Into Nursing Curricula; Chapter 6: The Application of Genomics to Pharmacology
Common Gene Mutations and Variations Affecting Drug Metabolism
Less Common Single Gene Disorders with Pharmacogenetic Implications; Ethical, Legal, and Social Issues Related to Pharmacogenomics; Summary; Key Points and Questions for Discussion; Bibliography; Resources; Chapter 7: Assessing Patients With a Genetic "Eye": Family History and Physical Assessment; Family History; Pedigrees; Developmental and Physical Assessment; Suspecting a Genetic Component and Referral to a Geneticist; Key Points; Reference; Bibliography; Chapter 8: Maternal-Child Nursing: Obstetrics
Preconception or Prepregnancy Counseling
Pregnancy; The Vulnerable Fetus and Teratogenesis; Prenatal Detection and Diagnosis; Assisted Reproductive Techniques; Screening Gamete Donors; Newborn Screening; Conclusions; Social and Ethical Issues Associated with Screening; The Future; Key Points; Bibliography; Chapter 9: Maternal-Child Nursing: Pediatrics; Birth Defects; Chromosome Disorders; Inborn Errors of Metabolism; Selected Genetic Disorders Commonly Seen in Childhood; Hemoglobin and Its Inherited Variants; Key Points; Bibliography
Chapter 10: Adult Health and Illness and Medical-Surgical Nursing
