

Χαρακτηριστικά:

- Discusses topical issues such as polygenic scores and their potential uses in the diagnosis and treatment of diseases such as diabetes, cancer, and heart disease, along with the **latest advancements in sequencing technologies** and their role in genetic testing and diagnosis
- Provides an up-to-date discourse on the modes and applications of **genetic testing**
- Contains useful concept summaries, more than 230 photographs, illustrations, and tables, as well as **patient/family vignettes** that present valuable perspectives on disease and treatment
- Features a **larger quantity of Clinical Commentary boxes** that demonstrate how the hard science of genetics has real applications to everyday patient problems, preparing you for problem-based integrated courses
- Uses examples of diseases to illustrate important concepts, demonstrating their relevance to medicine
- **Study questions** for self-assessment are provided within the print book, as well as **200 additional USMLE-style questions** online
- **An eBook version is included with purchase.** The eBook allows you to access all of the text and figures, with the ability to search, customize your content, make notes and highlights, and have content read aloud

Περιεχόμενα:

1. Background and History
2. Basic Cell Biology: Structure and Function of Genes and Chromosomes
3. Genetic Variation: Its Origin and Detection
4. Autosomal Dominant and Recessive Inheritance
5. Sex-Linked and Nontraditional Modes of Inheritance
6. Clinical Cytogenetics: The Chromosomal Basis of Human Disease
7. Biochemical Genetics: Disorders of Metabolism
8. Disease-Gene Identification
9. Immunogenetics
10. Genetic Basis of Development
11. Cancer Genetics
12. Multifactorial Inheritance and Common Diseases
13. Genetic Testing and Gene Therapy
14. Genetics and Precision Medicine
15. Clinical Genetics and Genetic Counseling

Glossary

Answers to Study Questions

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