

Crowley’s An Introduction to Human Disease  
*Pathology and Pathophysiology Correlations*  
TENTH EDITION TRANSITION GUIDE

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Hardcover with Navigate 2 Advantage Access  
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**Main Updates**

* **Extensively updated and rewritten, this edition provides modern and comprehensive look at all aspects of human disease**.
* **NEW** - Now includes **Navigate 2 Advantage Access** with complete eBook, Animations, Case Studies, Lecture Slides in PowerPoint format, and more
* **NEW!** - Includes new and updated case studies throughout that reinforce difficult concepts
* **NEW!** - New art and photos of diseases

**Major Chapter Changes Are Listed Below**

*Chapter 1:*

* Expanded principles of diagnosis including additional material on taking a history, performing a physical diagnosis and selecting a diagnostic test
* Updated information on clinical laboratory testing and imaging techniques
* Introduction of concepts including evidence-based and patient-centered medicine
* Addition of new testing procedures such as virtual colonoscopy and single-photon computed tomography (SPECT)
* Updated with new figures
* Case presentation added
* Expansion of definition list
* Update of reference list

*Chapter 2:*

* Added information on cell-cell signaling
* Added/updated information on cell injury and cell death
* Added information on Hayflick limit for cell division
* Case presentation added
* Expansion of definition list
* Update of reference list

*Chapter 3:*

* Information on genes and DNA moved from old chapter 2 and integrated into presentation of genetics
* Information added on pedigree analysis and inheritance patterns
* Information on the HLA system moved to Chapter 5 Immunology
* Information added regarding definition of race
* Case presentation added
* More than doubled the number of definitions
* Update of reference list

*Chapter 4 (formerly Chapter 9)*

* Reorganized to  better integrate with Chapter 3
* Presentation on fetal testing updated
* Material added on HIV infection in the mother
* Cases reviewed and updated
* New figures
* Number of definitions increased
* Update of reference list

*Chapter 5 (formerly Chapter 4)*

* Material and terminology modernized; chapter linked to Chapter 6 on Immunology
* Case presentation added
* Number of definitions more than doubled
* Update of reference list
* Figures replaced

*Chapter 6 (formerly Chapter 5)*

* 80% rewritten to focus on most recent information on the development of adaptive immunity
* Material added on immunodeficiency
* Number of definitions increased
* New figures added
* New case added
* References updated

*Chapter 7 (formerly Chapter 10)*

* Extensively rewritten to focus on principles of neoplastic process in general rather than results of the process in specific organs; neoplasia presentations are now in the specific organ chapters
* Added 2 additional figures to illustrate critical points; updated other figures and tables
* Expanded presentation of oncogenes and tumor suppressor genes
* Updated presentation on immunotherapy and anticancer drugs
* Case presentation added; original short cases deleted

*Chapter 8 (formerly Chapter 6)*

* Material added on hemorrhagic fevers including Ebola
* Material added on molecular testing for micro organisms
* Material added on aspergillosis
* Number of definitions increased
* New figures added
* New case added on measles
* References updated

*Chapter 9 (formerly Chapter 7)*

* Chapter renamed to better reflect material
* Material added on Chagas disease, Leishmaniasis, strongyloidiasis and trichomoniasis
* Case presentation added; original short cases deleted
* Update of reference list
* Figures replaced

*Chapter 10 (formerly Chapter 8)*

* Chapter renamed to better reflect material
* Chapter reorganized to improve presentation
* Material on Ebola transmission control added
* HIV material updated
* Case presentation added; original short cases deleted
* Update of reference list
* Figures replaced

*Chapter 11 (formerly Chapter 13)*

* Completely rewritten.  Now focused on the heart and associated diseases; material on vascular disease moved to chapter 12
* Updated terminology
* Expanded vocabulary list
* Updated reference list
* Replaced figures
* New case

*Chapter 12 (formerly Chapter 13)*

* Completely rewritten.  Now focused on the vasculature and associated diseases
* Section on risks for atherosclerosis updated and completely rewritten
* Updated terminology
* Expanded vocabulary list
* Updated reference list
* Replaced figures
* New case study

*Chapter 13*

* Material on leukemia and lymphoma added and updated (This chapter contains all information on these systems including neoplasms which were previously split between old chapters 10 and chapter 14.)
* Material on thalassemia was expanded
* Consolidation of all material on diseases of hematopoietic tissue in single chapter
* Presentation on  stem cell therapy updated
* Case presentation added: original short case deleted
* Update of reference list
* Update of definitions

*Chapter 14*

* Major rewriting of primary and secondary hemostasis to bring up to date with current concepts
* Material added on molecular mechanisms of Coumadin
* Enhanced presentation of coagulation diagnostic tests
* Case presentation added; original short cases deleted
* Update of reference list
* Update of definitions
* Figures replaced

*Chapter 15*

* Tuberculosis information updated
* Lung cancer information updated
* Information added on MERS
* Case presentation added; original short cases deleted
* Update of reference list
* Figures replaced

*Chapter 16*

* Material added on molecular diagnosis of breast cancer
* Material updated to reflect most recent American Cancer Society diagnosis and treatment guidelines
* Case presentation added; original short cases deleted
* Update of reference list
* Figures replaced

*Chapter 17*

* Material added on the anatomy of the female reproductive tract and the menstrual cycle
* Material added on polycystic ovary disease (PECOS)
* Expanded presentation of uterine cancer
* Terminology updated for presentation of HPV and cancer
* Case presentation added; original short cases deleted
* Update of reference list

*Chapter 18*

* Condensed and updated presentation of red cell system incompatibilities
* Updated presentation of preeclampsia and eclampsia
* New case
* Additional definitions
* Revised figures
* New references

*Chapter 19*

* Material on body water management integrated from chapter 24
* Expanded and revised section on glomerular injury
* Material on transplantation updated
* New case added with two diagnoses
* Update of reference list
* Update of definitions
* Update of illustrations

*Chapter 20*

* Material added on developmental abnormalities of the ureter and penis
* Material updated on adenocarcinoma of the prostate
* Case presentation added; original short cases deleted
* Update of reference list
* Figures replaced

*Chapter 21*

* Chapter order reorganized
* Material updated
* Case presentation added; original short cases deleted
* Update of reference list
* Figures replaced

*Chapter 22*

* Chapter order reorganized
* Material updated especially in regard to genetics of diabetes and metabolic syndrome
* Two case presentations added; original cases deleted
* Update of reference list
* Figures added

*Chapter 23*

* Chapter order reorganized
* Material updated especially in regard to addition of discussions of cholera and colorectal cancer
* Case presentation added on gluten sensitivity;  original cases deleted
* Update of reference list
* Figures reviewed and replaced

*Chapter 24*

* Material added on multiple endocrine neoplasia (MEN)
* Thyroid neoplasia presentation updated
* Case presentation added on short stature and growth hormone deficiency;  original cases deleted
* Update of reference list
* Figures reviewed and replaced

*Chapter 25*

* Material added on rabies and brain cancer
* Peripheral neuritis presentation updated
* Material on Creutzfeld-Jakob syndrome corrected
* Presentation on structure and function condensed
* Case presentation added;  original cases deleted
* Update of reference list
* Update of vocabulary
* Figures reviewed and replaced

Chapter 26

* Discussion of rheumatoid arthritis updated
* Presentation of tumors of bone added
* Case presentation added
* Update of reference list
* Figures reviewed and replaced; figures describing skeleton and muscle structure added along with others
* Vocabulary list expanded

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