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Juvenile dermatomyositis (JDM) is a systemic, inflammatory, idiopathic

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disease, mainly affecting the skin and the muscles, starting before the age of 16, with an incidence around one case per 1 million children. Some patients display typical features of JDM without skin involvement, or even without muscle involvement; however, both

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tissues are affected over time in most cases. Diagnosis criteria were established by Bohan and Peter 35 years ago, based on the presence of typical skin rash and proximal muscle involvement. Other conditions have to be ruled out before making a diagnosis

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of JDM, such as other connective tissue diseases, polymyositis, infectious/postinfectious myositis, genetic diseases, or metabolic or drug-induced myopathies. Unlike adult-onset dermatomyositis, JDM is exceptionally associated with a malignant disease.

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JDM may also affect several organs, including the lungs and the digestive tract. In a subset of patients, glucose intolerance, lipodystrophia and/or calcinosis develop. Delay in treatment initiation or inadequate treatment may favor diffuse, debilitating calcinosis.

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JDM patients have to be referred to reference pediatric centers to properly assess disease activity and disease-related damage (including low bone density in most cases), and to define the best treatment. Long-lasting corticosteroid therapy remains the gold

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standard, together with physiotherapy. Ongoing clinical trials are assessing the effect of several immunosuppressive and immunomodulatory drugs, which may help to control the disease and possibly demonstrate a corticosteroid-sparing effect. Most patients respond to

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treatment; relapses are frequent but a complete disease remission is achieved in most cases before adulthood.

This practical, easy-to-use guide, named to Doody's Core Titles 2013, addresses interference issues in all laboratory tests, including patient



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epigenetics, process of specimen collection, enzymes, biomarkers.

Clinicians and laboratory scientists can therefore rely on one reference which speaks to both their needs of accurate specimen analysis and optimal patient care. Erroneous hospital and pathology

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laboratory results can be confusing and problematic, especially in acute care situations. While some factors creating interference, can be identified in the laboratory, detecting many others is often dependent on clinical details unavailable to the laboratory scientists

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or pathologists. Therefore, clinicians must become proficient in identifying such erroneous reports, and working with pathologists and laboratory scientists so that they can understand the source of such interferences, correct the results, and then decide

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what course of action must be followed for proper patient management. Named to Doody's Core Titles 2013, a collection development tool for health sciences libraries of all sizes, by Doody Enterprises Practical information for both clinicians and laboratory scientists,

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presented in the form of tables and charts for easy reference Focus on range and sources of interferences rather than details of toxicologic mechanisms which are well covered in toxicology textbooks Covers interferences across endocrine,

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oncology, hematology,  
immunohistochemistry, immunology,  
serology, microbiology, and molecular  
testing

NA

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showcased cutting-edge science and technology shaping the future of laboratory medicine.

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and Diagnostic Tests

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the process of  
domestication of the dog  
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disorders and  
conditions, as well as  
concepts relevant to  
caring for all  
critically ill patients  
and functioning in the*

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environment. Award-  
winning clinical nurse  
specialists Marianne  
Baird and Sue Bethel  
separate the content  
first by body system and*

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*then by disorder, with  
each disorder including  
a brief description of  
pathophysiology,  
assessment, diagnostic  
testing, collaborative  
management, nursing*



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*diagnoses, desired  
outcomes, nursing  
interventions, and  
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concise format presents  
the material in a way*

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*that reflects a  
practicing nurse's  
thought processes.*

*Coverage of  
approximately 80  
critical care  
conditions/disorders*

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*for use in the unit or*

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*hands-on worktext  
describes all aspects of  
phlebotomy – with  
focused and current  
coverage of lab tests,  
equipment, safety and  
collection procedures,*

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*effective practice. Key terms and acronyms listed at the beginning of each chapter, highlighted in text, and defined in a back-of-book glossary.*

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focusing on anatomy and  
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*and Diagnostic Tests*  
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Veterinary students and practicing



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technicians will find this book to be an important bench manual as well as an educated tool to have on their desk. Also included in the package is a free online resource for testing and additional information.

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writing style, full-colour illustrations, and a logical organization. Each test entry is presented in a consistent format to provide quick access to information on specimen collection, normal findings, indications, test

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explanation, procedure and patient care, and test results and clinical significance, as well as any applicable contraindications, potential complications, interfering factors, and related tests. **UNIQUE!**  
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Significance sections explain pathophysiology and how test results may indicate certain disease processes. Critical values are emphasized to alert you to situations requiring immediate intervention.

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tests that provide similar information or are used to evaluate the same body system, disease process, or symptom. **UNIQUE!** SI units in the Normal Findings section of appropriate tests offer quick and easy reference (conventional units

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generic and trade drug names to comply with Health Canada and the Compendium of Pharmaceuticals and Specialties (CPS). Addresses Canadian privacy laws and legislation (including PHIPA and PIPEDA), the Canadian Labour

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Code, and policies for DNA collection, reporting of infections such as Chlamydia, and much more. Provides information on Canadian test-tube colouring classifications and guidelines for the correct order and process of collecting blood

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samples in Canada. Follows  
Canadian standard precautions and  
procedures such as those set forth by  
the Canadian Nuclear Safety  
Commission, as well as Canadian  
screening protocols such as those set  
out in the Canadian Cancer Society

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Screening Guidelines. Canadian statistics are provided for topics such as STDs and C. difficile. New full-colour photographs and enhanced illustrations clarify key concepts and reflect the latest procedures, equipment, and

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and this book is a concise guide to the medical management of urologic disorders. Divided into two sections, each chapter examines the use of drug therapy to treat different urological conditions. Section 1 covers benign urological diseases

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including erectile dysfunction, urinary incontinence and prostate enlargement. Section 2 covers the medical treatment of urological cancer, including renal, bladder, prostate, testicular, and Wilm's Tumour. This concise guide also

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provides trainees with a quick reference to drug choice, dosing and complications. Normal values of laboratory tests of urological interest are included in the appendix. Key points Concise guide to medical management of urological disorders



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Covers benign conditions and  
urological cancers Quick reference  
on drug choice, dosing and  
complications Includes summary of  
normal values of laboratory tests  
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medicine, and the in vitro  
diagnostics industry  
describe the state-of-the-  
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when treating coronary*

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*contains the latest  
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team of authors summarizes  
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*the collection, transport and storage as well as preparation of samples. They cover age, gender, race, pregnancy, diet, exercise and altitude, plus the effects of stimulants and drugs. National and*

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*international standards are described for sampling procedures, transport, sample identification and all safety aspects, while quality assurance procedures are shown for total laboratory management. In*

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*addition, the authors provide a glossary as well as a separate list of analytes containing the available data on reference intervals, biological half-life times, stability and influence and interference*

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*An aid to determine the  
possible cause of laboratory  
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No one has counted the enzymes in the human organism, and probably their profuse number can only be estimated from the restrictions the finite mass of

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genetic material imposes. Still, numerous catalytic activities have been identified and investigated for their clinical relevance. After one century of such research, surprisingly, only a

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handful of enzymes has survived the stern trial of clinical application to find regular medical use. Disregarding genetic defects, most of the diagnostically used enzymes participate in

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metabolic conversions  
fundamental to life: the  
utilization, transfer or  
fixation of vital nutrients or  
of chemical energy. Creatine  
kinase is central to the  
function of the mitochondrion

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tion, the cellular power generator. The wider distribution of this enzyme is linked to tissues whose physiology crucially relies on an adaptable supply of energy, notably skeletal

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muscle, the brain, and the heart. Just as these three tissues vary in their preference for different energy sources, each produces a different isoenzyme of creatine kinase. Accordingly,

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the finding of elevated creatine kinase activity in blood can lead to a variety of interpretations, but in practice the diagnosis of acute myocardial infarction is the major consideration.



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of nonclinical toxicology in the development of small molecules and biologics. This updated edition has been reorganized and expanded to include important topics such as stem cells in

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testing in industry,  
academic, and regulatory  
settings. Provides unique  
content that is not always  
covered together in one  
comprehensive resource,  
including chapters on stem

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cells, abuse liability,  
biomarkers, inhalation  
toxicology, biostatistics, and  
more Updated with the latest  
international guidelines for  
nonclinical toxicology in both  
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Clinical Applications Data  
sections focus directly on the  
information nurses most  
commonly need when caring  
for clients undergoing  
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physician's office team.  
Coverage of the advanced  
procedures performed  
outside of the physician's  
office explains what happens  
to the samples you send out.  
There's also information on

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CLIA and other government regulations and how they affect each procedure.

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Critical testing information and key clinical protocols in the palm of your hand McGraw-Hill's Manual of Laboratory & Diagnostic Tests focuses specifically on what you need to know to understand the test, educate the patient, and provide safe, effective care before, during, and after the test. In addition, this easy-to-use clinical

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companion is the only text to actively incorporate evidence-based practice features throughout, both in test monographs and appendices—a major advantage that enhances your ability to apply the book's content to your daily practice. Features: A cohesive 5-part organization covering the full range of laboratory tests, diagnostic tests,



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laboratory/diagnostic assessments of body function, education, and screening Time-saving alphabetical organization of tests with handy thumb tabs Full-color icons that highlight the organization of each test, and clearly identify important features throughout Skill-sharpening references to national guidelines, including JCAHO Full

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coverage of clinical interventions/implications Essential insights into the possible meanings of abnormal values and contraindications Key references that pertain to evidence-based practice Timely appendix on the increasing use of evidence-based practice Critical patient teaching information

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This text describes the laboratory techniques used in the investigation of patients with blood diseases. Each test that is described is accompanied by an explanation of the principle involved, the reliability and causes of error, interpretation of results and clinical significance. The use of standards, reference reagents and quality control is stressed, and

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recommendations of the International Council for Standardization in Haematology are described where these are available.

The 3rd edition presents information on common tests as well as rare and highly specialized tests and procedures. Biological variables that may affect test results are

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discussed, and a focus is placed on reference ranges, diagnostic information, clinical interpretation of laboratory data, interferences, and specimen types. Includes a section on molecular pathology, and tests have been added in the areas of endocrinology, immunochemistry, serologic hepatitis testing, and more.

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This book endeavours to present an analysis of the current knowledge of the structure properties and possible functions of histones. The broad scope of this topic prevents the discussion of certain individual aspects in any detail. For this purpose, some of the more specialised review articles should be consulted. However, the present

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volume will contribute to a more general understanding of histone biochemistry and will provide stimulation, as well as source references, to the student of the cell nucleus and its functions.

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Phlebotomy: Worktext and Procedures  
Manual

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A Manual for Cath Lab Personnel

Development and Implementation of a Dual-  
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Laboratory for Developing Countries

The impact of preanalytical variables on the  
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immunology, and cytology, along with the laboratory procedures used to perform the most widely used tests such as complete blood count, urinalysis, and immunologic assays. This edition includes newly organized chapters with expanded coverage of essential material to prepare you for

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real-life laboratory work. "Everything you would expect from an in-house lab is listed here." Reviewed by Fabienne Dethioux on behalf of Vet Nurses Today, March 2015

Comprehensive coverage gives you a solid foundation in the fundamentals of microbiology, hematology, urinalysis,

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practice. Provides the latest information needed to successfully perform a broad spectrum of laboratory tests, including complete blood count, urinalysis, and immunologic assays. Completely updated content throughout reflects the latest advances in veterinary

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The child is neither an adult miniature nor an immature human being: at each age, it expresses specific abilities that optimize adaptation to its environment and development of new acquisitions. Diseases in children cover all specialties encountered in adulthood,

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and neurology involves a particularly large area, ranging from the brain to the striated muscle, the generation and functioning of which require half the genes of the whole genome and a majority of mitochondrial ones. Human being nervous system is sensitive to prenatal aggression, is particularly

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immature at birth and development may be affected by a whole range of age-dependent disorders distinct from those that occur in adults. Even diseases more often encountered in adulthood than childhood may have specific expression in the developing nervous system. The course of chronic

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neurological diseases beginning before adolescence remains distinct from that of adult pathology – not only from the cognitive but also motor perspective, right into adulthood, and a whole area is developing for adult neurologists to care for these children with persisting neurological diseases

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when they become adults. Just as pediatric neurology evolved as an identified specialty as the volume and complexity of data became too much for the general pediatrician or the adult neurologist to master, the discipline has now continued to evolve into so many subspecialties, such as epilepsy,

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neuromuscular disease, stroke, malformations, neonatal neurology, metabolic diseases, etc., that the general pediatric neurologist no longer can reasonably possess in-depth expertise in all areas, particularly in dealing with complex cases. Subspecialty expertise thus is

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provided to some trainees through fellowship programmes following a general pediatric neurology residency and many of these fellowships include training in research. Since the infectious context, the genetic background and medical practice vary throughout the world, this diversity



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needs to be represented in a pediatric neurology textbook. Taken together, and although brain malformations (H. Sarnat & P. Curatolo, 2007) and oncology (W. Grisold & R. Soffietti) are covered in detail in other volumes of the same series and therefore only briefly addressed here, these

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considerations justify the number of volumes, and the number of authors who contributed from all over the world. Experts in the different subspecialties also contributed to design the general framework and contents of the book. Special emphasis is given to the

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developmental aspect, and normal development is reminded whenever needed – brain, muscle and the immune system. The course of chronic diseases into adulthood and ethical issues specific to the developing nervous system are also addressed. A volume in the Handbook of Clinical

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Neurology series, which has an unparalleled reputation as the world's most comprehensive source of information in neurology International list of contributors including the leading workers in the field Describes the advances which have occurred in clinical neurology and the

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Functioning, Disability, and Health) — the model currently endorsed by the APTA and AOTA — ensures you are referencing information that stems from the most current theories and practice guidelines of physical and occupational therapy. Procedures boxes with clear written instructions



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are accompanied by full-color illustrations on performing a variety of proven techniques and patient care tasks such as proper lifting techniques, patient transfers, basic wound care, and assessment of vital signs. Insights into the rationales and physiological principles explain why specific

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techniques and procedures are used. More than 800 full color photographs clearly demonstrate proper performance of techniques and procedures used in the assessment and management of patients in the rehabilitation setting. Guidelines, principles, and precautions boxes

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throughout the text offer additional tips for optimal assessment and management of patients in the rehabilitation setting. Self-study and problem solving (case study) activities conclude each chapter to help you understand important concepts and improve your decision-making and

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problem solving skills. Video clips on companion Evolve website demonstrate the techniques and procedures described in the text. Content on professionalism and the concept of professional values and ethics reinforce existing workplace guidelines and how to apply those

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guidelines to your patient interactions. Online user resources on the companion Evolve website feature video clips and additional activities for you to hone your skills. (What additional activities?) NEW!  
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you quickly locate procedure descriptions while working in the clinical setting. NEW! Additional video clips demonstrate patient transfers, ambulation with aids, donning and doffing PPE, and maneuvering a wheelchair. NEW! Video clip table of contents lists over 30 video clips in the

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front matter of the text.

This new edition of Norbert Tietz's classic handbook presents information on common tests as well as rare and highly specialized tests and procedures - including a summary of the utility and merit of each test. Biological variables that may affect

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test results are discussed, and a focus is placed on reference ranges, diagnostic information, clinical interpretation of laboratory data, interferences, and specimen types. New and updated content has been added in all areas, with over 100 new tests added. Tests are divided into 8



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main sections and arranged alphabetically. Each test includes necessary information such as test name (or disorder) and method, specimens and special requirements, reference ranges, chemical interferences and in vivo effects, kinetic values, diagnostic information,

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factors influencing drug disposition, and clinical comments and remarks. The most current and relevant tests are included; outdated tests have been eliminated. Test index (with extensive cross references) and disease index provide the reader with an easy way to find necessary information Four new

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sections in key areas (Preanalytical, Flow Cytometry, Pharmacogenomics, and Allergy) make this edition current and useful. New editor Alan Wu, who specializes in Clinical Chemistry and Toxicology, brings a wealth of experience and expertise to this edition. The Molecular Diagnostics

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section has been greatly expanded due to the increased prevalence of new molecular techniques being used in laboratories. References are now found after each test, rather than at the end of each section, for easier access.

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A Guide to Error Detection and  
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A Comprehensive Guide to Toxicology  
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Phlebotomy

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This major reference offers convenient, rapid access to essential guidance on all types of diagnostic testing performed in the clinical laboratory. It encompasses clinical hemostasis, chemistry, immunology, hematology, immunochemistry, microbiology, coagulation, urinalysis, mycology, virology, and cytogenetics.

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