

Damon Clinical Laboratories Handbook

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this book is the first comprehensive text on utilization management in the clinical laboratory and other ancillary services it provides a detailed overview on

how to establish a successful utilization management program focusing on such issues as leadership governance informatics and application of utilization management tools the volume also describes ways to establish utilization management programs for multiple specialties including anatomic pathology and cytology hematology radiology clinical chemistry and genetic testing among other specialties numerous examples of specific utilization management initiatives are also described that can be imported to other health care organizations a chapter on utilization management in Canada is also included edited by an established national leader in utilization management utilization management in the clinical laboratory and other ancillary services is a valuable resource for physicians pathologists laboratory directors hospital administrators and medical insurance professionals looking to implement a utilization management program

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 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

quality assurance qa is an integral and very important part of laboratory medicine pathologists microbiologists biochemists and laboratory technicians all need to be proficient in this subject qa is also mandatory for obtaining accreditation which ensures a certain level of quality in services being provided the subject of quality assurance qa though not new is a relatively neglected entity and is looked at with some degree of apprehension this book is addressed to those entrusted with implementing quality assurance qa in laboratory medicine generally these are persons with basic training as pathologists this handbook is meant as a beginner and handy guide to quality assurance all the basics of quality assurance have been incorporated to encourage the beginner to make a start

a guide to test characteristics and selection for use at umhc

achieving maintaining and improving accuracy timeliness and reliability are major challenges for health laboratories countries worldwide committed themselves to build national capacities for the detection of and response to public health events of international concern when they decided to engage in the international health regulations implementation process only sound management of quality in health laboratories will enable countries to produce test results that the international community will trust in cases of international emergency this handbook was developed through collaboration between the who lyon office for national epidemic preparedness and response the united states of america centers for disease control and prevention cdc division of

laboratory systems and the clinical and laboratory standards institute clsi it is based on training sessions and modules provided by the cdc and who in more than 25 countries and on guidelines for implementation of iso 15189 in diagnostic laboratories developed by clsi this handbook is intended to provide a comprehensive reference on laboratory quality management system for all stakeholders in health laboratory processes from management to administration to bench work laboratorians this handbook covers topics that are essential for quality management of a public health or clinical laboratory they are based on both iso 15189 and clsi gp26 a3 documents each topic is discussed in a separate chapter the chapters follow the framework developed by clsi and are organized as the 12 quality system essentials

this practical easy to use guide named to doody s core titles 2013 addresses interference issues in all laboratory tests including patient 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 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 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 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 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 oncology hematology immunohistochemistry immunology serology microbiology and molecular testing

more than 350 alphabetically organized laboratory tests each entry gives the test s common name and secondary names when appropriate description purpose and indications patient preparation procedures and equipment used guidelines for sample and specimen collection normal values implications of results post test care and factors that can affect test results the 18 added tests include polymerase chain reaction and cancer antigen 125 charts alert readers to drug blood levels test results diagnostic criteria and more appendices feature critical laboratory test values and a guide to abbreviations

a keyword listing of serial titles currently received by the national library of medicine

the purpose of this text is to promote the delivery of responsible and safe care for patients undergoing diagnostic tests and procedures by providing information to facilitate use of the nursing and medical problem solving processes it provides necessary and detailed information and individualized patient

assessment adequate care analysis and planning appropriate interventions patient education and timely evaluation of patient outcomes

contains information about laboratory procedures including test name and synonyms patient care recommendations specimen requirements reference ranges interpretive information footnotes and references this ed has expanded coverage of laboratory assays related to molecular pathology and treatments of clinical virology and therapeutic drug monitoring

clinical chemistry hematology hemostasis and thrombosis immunohematology and tissue typing immunology bacteriology viral and rickettsial diagnostic procedures medical parasitology medical mycology serology of infectious diseases

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Introduction

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