Forensic Pathology Reviews-Michael Tsokos 2007-10-28 Cutting-edge accounts of special topics from various fields of forensic pathology and death scene investigation. The authors explore new avenues for analyzing the pathology of death from starvation (child neglect), head injuries inflicted by glass bottles, the clinical and pathological features of primary cerebral neoplasms, obesity as it is relevant to the forensic pathologist, and infant and early childhood asphyxial death. Other areas of interest covered include suicide, viral myocarditis in sudden death cases, curious death scene phenomena (hiding, covering and undressing), forensic entomology, the interpretation of toxicological findings, anabolic-androgenic-steroid abuse, and autopsy findings of subendocardial hemorrhages.

Atlas of Forensic Pathology-Joseph A. Prahlow 2011-12-21 This book is specifically designed for non-pathologists who normally interact with forensic pathologists. It covers topics within forensic pathology, including the forensic autopsy, postmortem changes and time of death and body identification.

Veterinary Forensic Pathology-Jason W. Brooks 2018-02-07 This richly illustrated two-volume book offers a comprehensive and essential reference guide for veterinary pathologists and clinical veterinarians interested in performing animal necropsies for forensic casework. It presents a broad range of animal crime cases, with particular focus on the post mortem examination and the observed pathology. This first volume introduces readers to veterinary forensics and the role of the veterinary pathologist in animal crime investigations. It guides them through the process of evidence collection and documentation, and covers the fundamentals of forensic necropsy and the estimation of time since death. In-depth descriptions of how to conduct the forensic evaluation of various traumatic injuries, firearm injuries, and asphyxia are also provided.

Forensic Histopathology-Reinhard B. Dettmeyer 2018-05-18 This second edition, which combines the features of an atlas and a textbook, presents findings in forensic histology, immunohistochemistry, and cytology based on microscopic investigations using different stainings and different antibodies. Questions of quality when working in the field of forensic histology are included as well as scientific perspectives for further research. The principal aim is to provide practitioners with detailed information and guidance on how microscopy can help to clarify the cause of sudden and unexpected death. Therefore additional and particularly rare histopathological findings are presented. Many of the topics will be of interest not only to forensic pathologists but also to general pathologists, whether practitioners or researchers. Examples include the pathology of drug abuse, wound age determination, adverse drug reactions, histopathology of the sudden infant death syndrome, and age determination of myocardial infarction. Both typical and unusual findings are demonstrated with the aid of numerous high-quality color illustrations, and other key literature in forensic histology and immunohistochemistry is highlighted for each topic.

Handbook of Pediatric Autopsy Pathology-Enid Gilbert-Barness 2008-08-17 A comprehensive reference guide to the successful performance of pediatric autopsies and to the optimal recognition and interpretation of their pathologic findings. The authors cover such major developmental disorders as hydrops, chromosomal defects, and congenital abnormalities, metabolic disorders, and review the major organ systems. Additional chapters address sudden infant death, cytogenetics, the medical and forensic autopsy, special procedures, cultures and infection control, and biological hazards at the autopsy. Numerous standard reference tables, copious illustrations and drawings, and an appendix at the end of each chapter provide a wealth of practical information and bibliographic citations.

Essentials of Autopsy Practice-Guy N. Rutty 2012-12-06 Essentials of Autopsy Practice updates the modern pathologist on issues related to the autopsy. This volume contains topical chapters on the pathology of shock, religious attitudes to death, incised wounds, radiological investigations, metabolic disorders in childhood, maternal deaths, body alterations and piercings which are comprehensive, unique and educational. It brings the literature together into a modern, up-to-date review of the subject, each authored by experts in their field. It comprises the most recent developments in current autopsy practice making the book unique and exceptional - a valuable aid for the bench top, autopsy suite, laboratory or library. A hands-on reference book, Essentials of Autopsy Practice is of interest to both trainees and consultants in all sub-branches of pathology including forensic pathology. It can also be used by non-medical staff involved in the dead, such as nurses, police, lawyers and bereavement officers.

Handbook of Pediatric Forensic Pathology-Pekka Saukko 2015-11-04 The fourth edition of Knight's Forensic Pathology continues to be the definitive international resource for those in training and in practice, covering all aspects of the medico-legal autopsy, including the cause and time of death, interpretation of wounds and every other facet of the investigation of a fatality. The contents are intended to lead the pathologist - and in some countries, the non-pathologist - through the procedures needed in the examination of a body found under obscure, suspicious or even criminal circumstances. Although police procedures and the habits of pathologists may vary from country to country, the philosophy and techniques presented in this book offer a guide to good practices that can be modified according to local circumstances. In this new edition the text has been thoroughly updated and is complemented by the addition of over 200 new colour illustrations. It maintains the praised tradition of clarity and readability established since Prof. Bernard Knight's first edition was published in 1991, with an emphasis on the practical application of knowledge and research findings and the avoidance of over-interpretation.

Forensic Medicine of the Lower Extremity-Jeremy Rich 2007-10-28 This book presents the latest developments in the field of forensic pathologist/forensic medicine, including important advances in forensic histopathology, forensic radiology, medical malpractice, understanding of child abuse, and forensic toxicology. Various forms of trauma are addressed in individual chapters, and among the other topics covered are traffic medicine, forensic alcohol toxicology, forensic DNA analysis, forensic osteology, and international regulations. The book includes a wealth of color illustrations and numerous tables presenting key facts. The authors are leading experts in general pathology, forensic radiology, and forensic toxicology. Forensic Pathology/Forensic Medicine: Fundamentals and Perspectives will be of interest not only to specialist pathologists and those working in forensic medicine, but also to coroners, forensic physicians, students, lawyers, attorneys, and policemen.

PB for Atlas of Forensic Histopathology-Peter M. Cummings 2011 The first modern text describing the histopathological changes relevant to the practice of forensic pathology.

Knight's Forensic Pathology Fourth Edition-Pekka Saukko 2015-11-04 The fourth edition of Knight's Forensic Pathology continues to be the definitive international resource for those in training and in practice, covering all aspects of the medico-legal autopsy, including the cause and time of death, interpretation of wounds and every other facet of the investigation of a fatality. The contents are intended to lead the pathologist - and in some countries, the non-pathologist - through the procedures needed in the examination of a body found under obscure, suspicious or even criminal circumstances. Although police procedures and the habits of pathologists may vary from country to country, the philosophy and techniques presented in this book offer a guide to good practices that can be modified according to local circumstances. In this new edition the text has been thoroughly updated and is complemented by the addition of over 200 new colour illustrations. It maintains the praised tradition of clarity and readability established since Prof. Bernard Knight's first edition was published in 1991, with an emphasis on the practical application of knowledge and research findings and the avoidance of over-interpretation.

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Forensic Pathology of Trauma - Michael J. Shkum 2007-11-06 The practice of forensic pathology includes the collection and analysis of evidence in relation to a corpse in order to establish the cause of death. Knowledge of the cause of death contributes to the determination of the manner of death by medical examiners and coroners, who are occasionally assisted by law enforcement officers. In the process of establishing the cause and manner of death, representatives of various investigative bodies have several responsibilities, including explaining the death to family members, attempting to reduce the risk of similar deaths in the future, and, if applicable, apprehending the individuals who are responsible for the death. The most well-known and popular role of a forensic pathologist is in the investigation of cases of suspicious death; however, most medicolegal autopsies involve unexpected deaths that are above suspicion, many of which are caused by trauma (trauma being defined as any physical force or agent that causes bodily harm). The purpose of Forensic Pathology of Trauma: Common Problems for the Pathologist is to provide practical advice and information about the conduct of the forensic autopsy in cases of trauma, and to offer guidance about the analysis of the autopsy findings in these cases.

Principles of Forensic Toxicology - Barry Levine 2003

Forensic Neuropathology and Associated Neurology - Manfred Oehmichen 2006-01-16 The present volume deals with specific aspects of neuropathology for forensic and clinical neuropathologists, with particular emphasis on their relevance to everyday practice. Each chapter includes an overview of the literature as well as specific references and features a wealth of figures, graphs, and tables.

Skeletal Atlas of Child Abuse - Jennifer C. Love 2011-08-18 This illustrated guide to the role of the forensic anthropologist in investigating child abuse is an essential resource in one of the most contentious areas of forensic pathology. Not only does it supply a review of the literature in this field, but it illustrates the material with photographs from real cases investigated by the Harris County Institute of Forensic Sciences, which serves a population of four million people. Broken down into body regions and skeletal elements for ease of reference, the atlas facilitates the vital work performed by forensic anthropologists, who bring to the autopsy table a store of specialist knowledge that can turn a case. Despite the frequency of child fatalities (in America, 2.3 per 100,000), attributed to physical abuse, merely recognizing the offense is a major forensic challenge. The tell-tale signatures of non-accidental injury can be very subtle, making it difficult to differentiate between accidental and non-
Cardiac Pathology-S. Kim Suvarna 2019-11-11 This updated second edition provides a comprehensive overview of cardiac pathology. Clear illustrations of the common styles of dissection are provided along with the normal anatomy and histology. The chapters cover autopsy heart examination, ischemic heart disease, myocarditis, sudden death, valvular disease, transplant pathology, cardiomyopathy, cardiac neoplasia and congenital heart disease with a clear analysis of diagnostic criteria (macroscopic, microscopic and genetic) for both common cardiac diseases and those of less common types. The text is accompanied by high quality macroscopic and microscopic images and references to other specialty data sources. Cardiac Pathology: A Guide to Current Practice is aimed at established pathologists and trainees, as well as any clinician with an interest in cardiac disease. It will be of value to those working in cardiac surgery, cardiology and those in the autopsy/forensic fields.

Essentials of Autopsy Practice-Guy N. Rutty 2020-01-01 This book covers topical subjects within the field of death investigation, where changes in practice have recently occurred. The topics embrace the multi-disciplinary approach required for death investigation, and address advances in the field of forensic photography, pathology, and 3D printing as applied to forensics. This volume includes chapters on high altitude deaths, the role of 3D-printed remains in identification, the autolytic mass of a human brain, the role of forensic photography in the investigation of a fire fatality (an uncommon cause of fatal cardiac arrest) and the cricoid cartilage. Essentials of Autopsy Practice: Reviews, Updates and Advances is an educational and practical resource aimed at trainees and consultants, generalists and specialists, and multi-disciplinary teams.

Essentials of Anatomic Pathology-Liang Cheng 2011-03-18 In the 8 years since the publication of the first edition of Essentials of Anatomic Pathology, great strides have been made in our understanding of diseases and neoplastic processes. Many clinically important new histopathologic entities have been described or more fully defined in virtually every organ. Numerous clinically important diagnostic and prognostic markers have entered routine practice. Genetic testing for the early detection of cancers and the molecular classification of diseases has become increasingly important. This is an age of enlightenment in surgical pathology, and the authors of this new volume have captured this sense of excitement herein. This much praised and widely used reference manual on diseases affecting the bones provides a good overview of several conditions that are often invoked as 'mimics' of child abuse. Finally, this publication evinces the value of collaboration between the pathologist and the anthropologist.

Clinico-Pathological Atlas of Cardiovascular Diseases-Joaquín S. Lucena 2014-11-27 The objective of this Atlas is to contribute to the knowledge of morphological findings of the main cardiovascular diseases among the various specialists who deal with people affected of heart diseases: cardiologists and cardiovascular surgeons, clinical and forensic pathologists, coroners, sports medicine doctors. The interest in cardiovascular pathology, neglected for years in many countries, is increasing worldwide and we are witnessing the revitalization of a discipline, which, in collaboration with clinicians, is making great contributions to the fight against heart diseases and sudden-unexpected deaths. This atlas of cardiovascular diseases is the result of close collaboration between Spanish specialists in cardiology and in cardiovascular pathology and describes the clinical and pathologic features (gross and histopathological) of major cardiovascular diseases in adults, especially those acquired, but also treat relevant congenital anomalies. This book contains 635 images, 78 tables and graphics distributed in 12 chapters across the spectrum of diseases that can be found in each of the structures of the cardiovascular system (aorta, pulmonary vessels, coronaries, valves, myocardium, pericardium and conduction system). The coordinated work of forensic pathologists from different cities in Spain and cardiologists (primarily from the Hospital Universitario Puerta de Hierro de Madrid) has assembled in all chapters their worlds (forensic pathology and cardiology) to achieve a practical work with the aim to serve as a practical tool for multiple specialists.

A Physician’s Guide to Clinical Forensic Medicine-Margaret M. Stark 2000-01-31 Margaret Stark and a team of authoritative experts offer a timely survey of the fundamental principles and latest developments in clinical forensic medicine. Topics range from sexual assault examination to injury interpretation, from nonaccidental injury in children, to crowd control agents. Also included are extensive discussions of the care of detainees, the management of substance abuse detainees in custody, the causes and prevention of deaths in custody, and the fundamentals of traffic medicine. In the absence of international standards of training, the authors also address the basic issues of consent, confidentiality, note-keeping, court reporting, and attendance in court. Comprehensive and authoritative, A Physician’s Guide to Clinical Forensic Medicine offers forensic specialists and allied professionals a reliable, up-to-date guide to proven practices and procedures for a very variety of police inquiry requiring clinical forensic investigation.

Radiology in Forensic Medicine-Giuseppe Lo Re 2019-09-26 This book offers a comprehensive overview of the forensic and radiological aspects of pathological findings, focusing on the most relevant medicolegal issues, such as virtual autopsy (viroptex), anthropometric identification, post-mortem decomposition features and the latest radiological applications used in forensic medicine. Forensic medicine and radiology are becoming increasingly relevant in the international medical and legal field as they offer essential techniques for determining cause of death and for anthropometric identification. This is highly topical in light of public safety and economic concerns arising as a result of mass migration and international tensions. The book discusses the latest technologies applied in the forensic field, in particular computed tomography and magnetic resonance, which are continuously being updated. Radiological techniques are fundamental in rapidly providing a full description of the damage inflicted to add to witness and medical testimonies, and forensic/radiological anthropology supplies valuable evidence in cases of violence and abuse. Written by international experts, it is of interest to students and residents in forensic medicine and radiology. It also presents a new approach to forensic investigation for lawyers and police special corps as well as law enforcement agencies.

Legal and Forensic Medicine-Roy G. Beran 2013-09-05 This is a comprehensive reference text that examines the current state of Legal Medicine, which encompasses Forensic Medicine, in the 21st century. It examines the scope of both legal and forensic medicine, its application and study and has adopted a wide ranging approach including multinational authorship. It reviews the differences between and similarities of forensic and legal medicine, the need for a qualitative and random approach to academic and inter-cultural issues, including international aid, military medicine, health law and the application of medical knowledge to both criminal law and tort/civil law, sports medicine and law, gender and age related factors from obstetrics through to geriatrics and palliative care as well as cultural differences exploring the Christian/Judeo approach compared with that within Islamic cultures, Buddhism and Hinduism. The book looks at practical applications of legal medicine within various international and intercultural frameworks. This is a seminal authoritative text in legal and forensic medicine. It has a multi-author and multinational approach that crosses national boundaries. There is a great interest in the development of health law and legal medicine institutes around the world and this text comes in on the ground floor of this burgeoning discipline and provides the foundation text for many courses, both undergraduate and postgraduate. It defines the place of legal medicine as a specialized discipline.
Surgical Pathology Dissection—William H. Westra 2013-03-14 Filling the need for a comprehensive, fully-illustrated guide to the subject, this practical manual demonstrates a logical approach to the preparation, dissection, and handling of the tissue specimens most commonly encountered in today’s surgical pathology laboratory. Each dissection is vividly illustrated with powerful 3D line drawings created exclusively for this book. The authors discuss the clinically important features of various types of specimens and lesions over the whole range of organ systems. The consistent approach provides a valuable conceptual framework for points to bear in mind during the dissection and each chapter concludes with a convenient reminder of the important issues to address in the surgical pathology report. Indispensable for staff pathologists, residents, pathologist’s assistants, histotechnologists and other laboratory personnel.

Introductory Computer Forensics—Xiaodong Lin 2018-11-19 This textbook provides an introduction to digital forensics, a rapidly evolving field for solving crimes. Beginning with the basic concepts of computer forensics, each of the book’s 21 chapters focuses on a specific forensic topic composed of two parts: background knowledge and hands-on experience through practice exercises. Each theoretical or background section concludes with a series of review questions, which are prepared to test students’ understanding of the materials, while the practice exercises are intended to afford students the opportunity to apply the concepts introduced in the section on background knowledge. This experience-oriented textbook is meant to assist students in gaining a better understanding of digital forensics through hands-on practice in collecting and preserving digital evidence by completing various exercises. With 20 student-directed, inquiry-based practice exercises, students will better understand digital forensic concepts and learn digital forensic investigation techniques. This textbook is intended for upper undergraduate and graduate-level students who are taking digital-forensic related courses or working in digital-forensic research. It can also be used by digital forensics practitioners, IT security analysts, and security engineers working in the IT security industry, particular IT professionals responsible for digital investigation and incident handling or researchers working in these related fields as a reference book.

Handbook of Forensic Medicine—Burkhard Mades 2014-05-05 Forensic Medicine encompasses all areas in which medicine and law interact. This book covers diverse aspects of forensic medicine including forensic pathology, traumatology and violent death, sudden and unexpected death, clinical forensic medicine, toxicology, traffic medicine, identification, haemogenetics and medical law. A knowledge of all these subdisciplines is necessary in order to solve routine as well as more unusual cases. Taking a comprehensive approach the book moves beyond a focus on forensic pathology to include clinical forensic medicine and forensic toxicology. All aspects of forensic medicine are covered to meet the specialist needs of daily casework. Aspects of routine analysis and quality control are addressed in each chapter. The book provides coverage of the latest developments in forensic molecular biology, forensic toxicology, molecular pathology and immunohistochemistry. A must-have reference for every specialist in the field this book is set to become the bench-mark for the international forensic medical community.

Diagnostic Pathology: Forensic Autopsy E-Book—Mary Ann Sens 2021-02-17 This expert volume in the Diagnostic Pathology series is an excellent point-of-care resource for practitioners at all levels of experience and training. Specifically designed to assist hospital pathologists and assistants, forensic pathology fellows, pathology residents, and medical examiners, it provides a comprehensive, authoritative discussion of key topics in forensic autopsy. Richly illustrated and easy to use, Diagnostic Pathology: Forensic Autopsy is a one-stop reference on the information and knowledge needed for routine autopsies. This superb manual is liberally sprinkled with full-color images and practical overviews, and discussions about the latest tools, open problems and ethical and legal issues involved. The book is closely associated with a successful research initiative, MEPROCS, and it will be of interest to researchers and practitioners in forensic medicine and computational intelligence.

Developmental Psychology for Family Law Professionals—Debra G.B. Leonard 2016-02-02 This authoritative textbook offers in-depth coverage of all aspects of molecular pathology practice and embodies the current standard in molecular testing. Since the successful first edition, new sections have been added on pharmacogenetics and genomics, while other sections have been revised and updated to reflect the rapid advances in the field. The result is a superb reference that encompasses molecular biology basics, genetics, inherited cancers, solid tumors, neoplastic hematopathology, infectious diseases, identity testing, HLA typing, laboratory management, genomics and proteomics. Throughout the text, emphasis is placed on the molecular variations being detected, the clinical usefulness of the tests and important clinical and laboratory issues. The second edition of Molecular Pathology in Clinical Practice will be an invaluable source of information for all practicing molecular pathologists and will also be of utility for other pathologists, clinical colleagues and trainees.

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Current Concepts in Forensic Entomology—Jens Amendt 2010-01-06 Forensic Entomology deals with the use of insects and other arthropods in medicolegal investigations. We are sure that many people know this or a similar definition, maybe even already read a scientific or popular book dealing with this topic. So, do we really need another book on Forensic Entomology? The answer is 13, 29, 31, 38, and 61. These are not some golden bingo numbers, but an excerpt of the increasing amount of annual publications in the current decade dealing with Forensic Entomology. Comparing them with 49 articles which were published 15 years ago, it illustrates the growing interest in this very special intersection of Forensic Science and Entomology and clearly underlines the statement: Yes, we need this book because Forensic Entomology is on the move with so many new things happening every year. One of the most attractive features of Forensic Entomology is that it is multidisciplinary. There is almost no branch in natural science which cannot find its field of activity here. The chapters included in this book highlight this variety of researches and would like to give the impetus for future work, improving the development of Forensic Entomology, which is clearly needed by the scientific community. On its way to the courtrooms of the world this discipline needs a sound and serious scientific background to receive the acceptance it deserves.

Handbook of Craniofacial Superimposition—Sergio Damas 2016-10-9 This is the first comprehensive guide to the use of soft computer techniques which is used in complex forensic cases. The chapters include detailed technical and practical overviews, and discussions about the latest tools, open problems and ethical and legal issues involved. The book is closely associated with a successful research initiative, MEPROCS, and it will be of interest to researchers and practitioners in forensic medicine and computational intelligence.

Introductory Computer Forensics—Xiaodong Lin 2018-11-19 This textbook provides an introduction to digital forensics, a rapidly evolving field for solving crimes. Beginning with the basic concepts of computer forensics, each of the book’s 21 chapters focuses on a specific forensic topic composed of two parts: background knowledge and hands-on experience through practice exercises. Each theoretical or background section concludes with a series of review questions, which are prepared to test students’ understanding of the materials, while the practice exercises are intended to afford students the opportunity to apply the concepts introduced in the section on background knowledge. This experience-oriented textbook is meant to assist students in gaining a better understanding of digital forensics through hands-on practice in collecting and preserving digital evidence by completing various exercises. With 20 student-directed, inquiry-based practice exercises, students will better understand digital forensic concepts and learn digital forensic investigation techniques. This textbook is intended for upper undergraduate and graduate-level students who are taking digital-forensic related courses or working in digital-forensic research. It can also be used by digital forensics practitioners, IT security analysts, and security engineers working in the IT security industry, particular IT professionals responsible for digital investigation and incident handling or researchers working in these related fields as a reference book.
Autopsy Pathology: A Manual and Atlas-Andrew J Connolly, MD 2015-09-23 A mainstay for pathology residents, Autopsy Pathology is designed with a uniquely combined manual and atlas format that presents today's most complete coverage of performing, interpreting, and reporting post-mortem examinations. This lasting and useful medical reference book offers a practical, step-by-step approach to discussing not only the basics of the specialty, but the performance of specialized autopsy procedures as well. Material is divided into two sections for ease of use: a manual covering specific autopsy procedures, biosafety, generation of autopsy reports, preparation of death certificates, and other essential subjects; and an atlas, organized by organ system, which captures the appearance of the complete spectrum of autopsy findings. Offers expanded coverage of microscopic anatomy. Includes a chapter on performing special dissection procedures that may not be covered during a typical residency. Examines important techniques, such as autopsy photography and radiology, microscopic examination, supplemental laboratory studies, and other investigative approaches. Addresses the latest legal, social, and ethical issues relating to autopsies, as well as quality improvement and assurance. Presents more than 600 full-color photographs depicting common gross and microscopic autopsy findings for every part of the body. Correlates pathologic findings with their clinical causes to enhance diagnostic accuracy. Improved images in the Atlas section provide greater visual understanding. Additional online features include dissection videos demonstrating autopsy techniques; downloadable, commonly used forms for autopsy reports; and calculators for weights and measures. Expert Consult eBook version included with purchase. This enhanced eBook experience offers access to all of the text, figures, images, videos, forms, calculators, and references from the book on a variety of devices.

Forensic Neuropathology-Jan E. Leestma 2008-10-14 Over the past 30 years, as both forensic pathology and neuropathology have grown in sophistication, the two specialties have forged a heightened level of interaction. Reflecting the vast increase in knowledge and scientific progress in the past two decades, Forensic Neuropathology, Second Edition examines the new developments that have arisen since

Cardiovascular Pathology-L. Maximilian Buja 2015-11-11 Cardiovascular Pathology, Fourth Edition, provides users with a comprehensive overview that encompasses its examination, cardiac structure, both normal and physiologically altered, and a multitude of abnormalities. This updated edition offers current views on interventions, both medical and surgical, and the pathology related to them. Congenital heart disease and its pathobiology are covered in some depth, as are vasculitis and neoplasias. Each section has been revised to reflect new discoveries in clinical and molecular pathology, with new chapters updated and written with a practical approach, especially with regards to the discussion of pathophysiology. New chapters reflect recent technological advances with cardiac devices, transplants, genetics, and immunology. Each chapter is highly illustrated and covers contemporary aspects of the disease processes, including a section on the role of molecular diagnostics and cytogenetics as specifically related to cardiovascular pathology. Customers buy the Print + Electronic product covers contemporary aspects of the disease processes, including a section on the role of molecular diagnostics and cytogenetics as specifically related to cardiovascular pathology. Customers buy the Print + Electronic product together! Serves as a contemporary, all-inclusive guide to cardiovascular pathology for clinicians and researchers, as well as clinical residents and fellows of pathology, cardiology, cardiac surgery, and internal medicine. Offers new organization of each chapter to enable uniformity for learning and reference: Definition, Epidemiology,

Clinical Presentation, Pathogenesis/Genetics, Light and Electron Microscopy/Immunohistochemistry, Differential Diagnosis, Treatment and Potential Complications Features six new chapters and expanded coverage of the normal heart and blood vessels, cardiovascular devices, congenital heart disease, tropical and infectious cardiac disease, and forensic pathology of the cardiovascular system. Contains 400+ full color illustrations and an online image collection facilitate research, study, and lecture slide creation.

Forensic Pathology-David Dolinak 2005-04-08 Forensic Pathology is a comprehensive reference that uses a case-oriented format to address, explain, and guide the reader through the varied topics encountered by forensic pathologists. Developed in response to a severe void in the literature, the book addresses topics ranging from medicolegal investigation of death to death scene investigation, forensic autopsy, and artifacts of resuscitation as well as complications of medical therapy, forensic osteology, forensic odontology, forensic photography, and death certification. The book includes various types of cases, including sudden natural death, asphyxia, motor vehicle collisions, death in custody, child abuse and elder abuse, acute psychiatric and emotional deaths, and pregnancy. It contains sample descriptions of pathological lesions which serve to aid pathologists in reporting their findings to law enforcement agencies, attorneys, and others involved in investigations of sudden death. The concepts outlined in the text are beautifully illustrated by large, colorful photographs. There are also "Do and Don't" sections at the end of each chapter that provide guidance for handling the types of cases examined. This work will benefit not only experienced forensic pathologists, but also hospital pathologists who occasionally performs medicolegal autopsies; doctors in training; medical examiners; law enforcement personnel; crime scene investigators; attorneys; and fellows and students of the medical sciences. Large, colorful photographs which beautifully illustrate the concepts outlined in the text. Sample descriptions of pathological lesions which serve to aid pathologists in reporting their findings to law enforcement agencies, attorneys, and others involved in investigations of sudden death. 'Do and Don't' sections at the end of each chapter which provide guidance for handling the types of cases examined within preceding sections.

Detection and Diagnostics of Plant Pathogens-Maria Lodovica Gullino 2014-10-24 This book is part of the Plant Pathology in the 21st Century Series, started in the occasion of the IX International Congress of Plant Pathology, Torino, 2008. In conjunction with the Xth International Congress of Plant Pathology, held in Beijing in August 2013. Although deriving from a Congress, the book will not have the format of traditional Proceedings, but will be organized as a resource book. It will be based on invited lectures presented at the Congress as well as by other chapters selected by the editors among offered papers. This book will cover a topic very important in the field of plant pathology, dealing with detection and diagnostics. This field of research is continuously moving forwards, due to innovation in techniques. The application of new detection and diagnostic technologies are relevant to many applied fields in agriculture. The different chapters will provide a very complete figure of the topic, from general and basic aspects to practical aspects.