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PEARLS AND PITFALLS IN INFLAMMATORY DERMATOPATHOLOGY

Asok Biswas
Western General Hospital, Edinburgh

This step-by-step practical diagnostic guide takes a fresh look at inflammatory skin disorders by focusing on the practicalities of correlating the histopathologic and clinical features and highlighting useful diagnostic tips and potential pitfalls. Covering a wide range of both common and rare but critically important inflammatory skin disorders, it outlines their clinical and microscopic features including histopathologic variations. Highlighting the scope and limitations of a skin biopsy, it actively encourages a closer liaison between the dermatologist and the pathologist and demonstrates how correlating the clinicopathologic attributes allows for a more meaningful and accurate diagnosis. With over 600 clinical and microscopic images and featuring real-world scenarios and practical tips, Pearls and Pitfalls in Inflammatory Dermatopathology offers a vital new perspective towards the diagnostic approach to inflammatory skin disorders. The book is packaged with a password, giving the user online access to all the text and images.

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ADDITIONAL INFORMATION

Level: specialist medical trainees, medical specialists/consultants
VALUE AND QUALITY INNOVATIONS IN ACUTE AND EMERGENCY CARE

Edited by Jennifer L. Wiler
University of Colorado School of Medicine

Jesse M. Pines
George Washington University, Washington DC

and Michael J. Ward
Vanderbilt University Medical Center, Tennessee

Access to acute and emergency care is essential when we are ill or injured, but the costs are significant. How can we make services more efficient and effective? This thought-provoking text provides twenty case studies detailing successful innovations to enhance value, including telehealth, observation medicine, high utilizer programs and the use of informatics to improve clinical decision support. A detailed history of system developments over the last fifty years in the US and internationally is provided, and subjects including measurement and quality improvement, volume versus value based care, and emergency department crowding are discussed. An ideal way for emergency physicians and healthcare managers to explore new ideas and enhance the quality of care in their area.

CONTENTS

WHY IT WILL SELL
• Examples of best practice are studied and described, providing advice to help improve acute and emergency care in the US and internationally
• The future of acute and emergency care in a value based world is outlined, and the potential for integrated care is described
• Case studies are reviewed by academic experts, placing each innovation in context

ADDITIONAL INFORMATION
Level: medical specialists/consultants, specialist medical trainees
CASE STUDIES IN ADULT INTENSIVE CARE MEDICINE

Edited by Daniele Bryden
Sheffield Teaching Hospitals NHS Trust
and Andrew Temple
Sheffield Teaching Hospitals NHS Trust

Guiding FFICM and EDIC exam candidates through the intensive care medicine curriculum, this book provides 48 case studies mapped to eight key areas of study in the UK and European syllabuses. Cases include clinical vignettes, explanations and a list of key learning points, while also being formatted along the structure of FICM case reports. Key clinical management points are identified and linked to appropriate scientific or evidence-based research and case studies chosen reflect a general population relevant to a worldwide readership. Conditions covered are significant to large areas of clinical practice as well as more discrete specialist knowledge, making this an essential study guide for trainees preparing for exams in intensive care medicine, and also a useful learning tool for candidates in related disciplines such as anaesthesia (FRCA), emergency medicine (MCEM) and surgery (MRCS).

Contents

Why It Will Sell

- Provides forty-eight case studies mapped to the eight key areas of the intensive care medicine curriculum
- Links key clinical management points to scientific or evidence-based explanations
- Covers conditions relevant to large areas of clinical practice as well as more discrete specialist knowledge

Additional Information

Level: specialist medical trainees, medical specialists/consultants
FUNDAMENTALS OF MEDICAL IMAGING
Third edition
Paul Suetens
Katholieke Universiteit Leuven, Belgium

This third edition provides a concise and generously illustrated survey of the complete field of medical imaging and image computing, explaining the mathematical and physical principles and giving the reader a clear understanding of how images are obtained and interpreted. Medical imaging and image computing are rapidly evolving fields, and this edition has been updated with the latest developments in the field, as well as new images and animations. An introductory chapter on digital image processing is followed by chapters on the imaging modalities: radiography, CT, MRI, nuclear medicine and ultrasound. Each chapter covers the basic physics and interaction with tissue, the image reconstruction process, image quality aspects, modern equipment, clinical applications, and biological effects and safety issues. Subsequent chapters review image computing and visualization for diagnosis and treatment. Engineers, physicists and clinicians at all levels will find this new edition an invaluable aid in understanding the principles of imaging and their clinical applications.

Contents
1. Introduction to digital image processing; 2. Radiography; 3. X-ray computed tomography; 4. Magnetic resonance imaging; 5. Nuclear medicine imaging; 6. Ultrasound imaging; 7. Medical image computing; 8. Visualization for diagnosis and therapy; Appendix A. Linear system theory; Appendix B. Exercises.

Additional information
Level: specialist medical trainees, medical students
NEUROPATHOLOGIC AND NEURORADIOLOGIC CORRELATIONS

A Differential Diagnostic Text and Atlas

Edited by Murat Gokden
University of Arkansas for Medical Sciences, Little Rock

and Manoj Kumar
University of Arkansas for Medical Sciences, Little Rock

While neuropathologists and neuroradiologists are increasingly required to work together to diagnose nervous system diseases, many remain unfamiliar with the other’s disciplines. Featuring over 900 images, this practical textbook and atlas combines both specialties, providing an extensive understanding of the disease process. It offers a comprehensive review of the nervous system and diseases of the eye, skeletal muscle, and bone and soft tissue. Topics are covered in chapters arranged by region, allowing for quick reference of conditions such as brain tumors, spinal cord diseases, or congenital malformations. Introductory chapters on pathologic and radiologic techniques are also featured, enabling specialists of both areas to familiarise themselves with the other’s subject. Packaged with a password to give the user online access to all the text and images, this is a must-have resource for comprehensive and accurate diagnosis.

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Additional Resources: http://www.cambridge.org/9781107567252
Online access to all the text and images

ADDITIONAL INFORMATION

Level: medical specialists/consultants, specialist medical trainees
FORENSIC CHILD AND ADOLESCENT MENTAL HEALTH
Meeting the Needs of Young Offenders

Edited by Susan Bailey
Academy of Medical Royal Colleges (AOMRC), London

Paul Tarbuck and Prathiba Chitsabesan
University of Central Lancashire, Preston
Stepping Hill Hospital, Stockport

Written for practitioners and policymakers, this book will help professionals across health, education, social care and juvenile justice services to understand the needs of young offenders and adolescents at risk of entering the criminal justice system. Developmental in approach, the textbook provides a comprehensive overview of forensic child and adolescent mental health, using cases to help clinicians link theoretical principles to practice and understand how mental health and neurodevelopmental impairment can relate to offending behaviour. With an emphasis on preventive initiatives, early intervention and the building of psycho-social resilience through the delivery of values based practice, this book highlights the need for comprehensive assessment for young people across multiple domains of their lives. This book is of interest to all clinicians working within mental health teams, practitioners working with children and adolescents, professionals involved with youth justice and medico-legal issues, and politicians responsible for establishing health and social policy.

WHY IT WILL SELL
- The developmental perspective is useful for a range of practitioners, managers and policymakers
- Uses numerous case examples to help clinicians link theory to practice
- Provides a UK-focused approach to a field dominated by US-based textbooks

CONTENTS

ADDITIONAL INFORMATION
Level: professionals, medical specialists/consultants
TEXTBOOK OF DISASTER PSYCHIATRY
Second edition
Edited by Robert J. Ursano
Uniformed Services University
Carol S. Fullerton
Uniformed Services University of the Health Sciences, Maryland
Lars Weisaeth and Beverley Raphael
Universitetet i Oslo
Australian National University, Canberra

Covering both natural and man-made scenarios including war and terrorism, the Textbook of Disaster Psychiatry is a vital international reference for medical professionals, community leaders and disaster responders a decade after its initial publication. Spanning a decade of advances in disaster psychiatry, this new and updated second edition brings together the views of current international experts to offer a cutting-edge comprehensive review of the psychological, biological and social responses to disaster, in order to help prepare, react and aid effective recovery. Topics range from the epidemiology of disaster response, disaster ecology, and the neurobiology of disaster exposure, to socio-cultural issues, early intervention and consultation-liaison care for injured victims. The role of non-governmental organizations, workplace policies and the implications for public health planning at both an individual and community level are also addressed.

CONTENTS

WHY IT WILL SELL
• The comprehensive examination of disaster and its impact gives the book both clinical and public health relevance
• The text has been updated to cover a decade of advances, leading to more effective approaches to preparation, treatment, intervention and therefore recovery
• Concepts and approaches are applied to worldwide needs, resulting in a text relevant to real life practice

ADDITIONAL INFORMATION
Level: medical specialists/consultants, professionals
THE DIAGNOSIS AND MANAGEMENT OF AGITATION

Edited by Scott L. Zeller
University of California, Riverside

Kimberly D. Nordstrom
Denver Health Medical Center, Colorado

and Michael P. Wilson
University of California, San Diego

A common symptom of psychiatric and medical disorders, agitation often appears in a variety of medical environments. This practical guide explores the origins of the condition and the differing approaches and treatments available. The biology of agitation is discussed, followed by specific chapters on substance abuse, medical causes, personality disorders, and treatment in pediatrics and the elderly. Treatment options including psychiatric work-ups, medical work-ups, psychopharmacology, de-escalation, and calming techniques are provided. The complexities of legal issues, patients’ rights, and prehospital settings are also addressed, providing physicians, nurses, and mental health workers with a comprehensive resource in providing safe, focused, and effective treatment.

Contents


Why it will sell

- Features authors from both emergency medicine and psychiatry, allowing the reader to gain a broader perspective than from books written from one speciality
- Diverse approaches to diagnosis and management of agitation are given, allowing readers to provide superior and more compassionate care
- The physical context of the diagnosis is discussed, highlighting the implications this may have for ongoing medical management

Additional Information

Level: medical specialists/consultants, specialist medical trainees
why it will sell

- Draws on the experience of a global team of experts to cover a wide range of cases
- Illustrative videos are on an accompanying website, helping readers to effectively visualize the presenting symptoms
- The step by step approach to common and uncommon cases helps to build and reinforce diagnostic skills
EPILEPSY
A Global Approach
Edited by Ennapadam S. Krishnamoorthy
Institute of Neurological Sciences, Chennai
Simon Shorvon
University College London
and Steven Schachter
Harvard Medical School, Massachusetts

This comprehensive, multidisciplinary approach to epilepsy compares and contrasts scientific knowledge, clinical experience and social consciousness between Western and non-Western cultures, enhancing transcultural understanding and providing a paradigm for an integrative, truly global health policy for this disorder. Topics covered include pharmacological and non-pharmacological management of epilepsy; care models and traditional medical systems; service organization in resource-limited countries; cultural perspectives on consequences of epilepsy; social, anthropological, economic, political, and spiritual issues related to living with epilepsy; infectious and non-infectious causes and risk-factors; and region-specific syndromes. Uniquely drawing attention to both a medical perspective and the burden of living with epilepsy, this is a must-have reference work for epileptologists, neurologists, epidemiologists, medical policymakers and health administrators in both the developed and developing world.

CONTENTS


WHY IT WILL SELL

- Includes a comprehensive section on complementary and alternative treatment methods of epilepsy, balanced against allopathic treatment and surgical models
- Written by expert clinicians representing the continents of Africa, Asia, South America, and the Western world
- Outlines research priorities for low- and middle-income countries (LAMICS)

ADDITIONAL INFORMATION

Level: medical specialists/consultants

March 2017
246 x 189 mm 208pp
31 b/w illus. 19 tables
978-1-107-03537-9 Hardback
£75.00
Progressive neurodevelopmental disorders that affect the development of the infant brain can have detrimental impacts on a range of cognitive and emotional behaviors. The identification and management of these disorders can be challenging for neurologists, pediatricians and other healthcare professionals who encounter these conditions in their practices. This book is essential for teaching medical practitioners how to promptly identify neurological regression during childhood development and investigate disorders in sufficient depth to be able to arrive at a precise syndromic diagnosis, plan appropriate management for the patient, and offer advice to caregivers. The text provides a platform for clinicians – new and experienced – to expose their knowledge gaps in the field of neurodegenerative and related disorders. Individual disorders are analyzed by age of onset, with attention given to disorders present in utero, in the newborn, in the infant, and the adolescent, making this a practical and comprehensive guide for any healthcare professional.

Contents
paraplegia; 47. Metachromatic leukodystrophy and multiple sulfatase deficiency; 48. Alexander disease;
49. Pelizaeus–Merzbacher disease; 50. Rett syndrome; 51. Spinal muscular atrophy; 52. Infantile
Aicardi–Goutiéres syndrome; 57. Infantile Andersen disease; 58. Familial infantile bilateral striatal necrosis;
59. Inherited cobalamin deficiency; 60. Hereditary folate disorders; Section 10. Childhood Disorders;
61. Unverricht–Lundborg disease; 62. Lafora disease; 63. Neuronal intranuclear inclusion disease; 64.
Late infantile neuronal ceroid lipofuscinosis (Jansky–Bielschowsky disease); 65. Juvenile neuronal ceroid
lipofuscinosis (Spielmeyer–Vogt disease); 66. Coenzyme Q10 deficiency; 67. Common mitochondrial
disorders of children; 68. Acute necrotizing encephalopathy; 69. Gaucher disease; 70. Niemann-Pick type
C disease; 71. GM2 gangliosidoses; 72. Mucopolysaccharidoses; 73. Mucolipidoses; 74. Fucosidosis; 75.
Mannosidoses; 76. GM1 gangliosidosis; 77. Fabry disease; 78. Hartnup disease 325; 79. Schindler disease;
80. X-linked adrenoleukodystrophy; 81. Pantothenate kinase deficiency; 82. Ataxia telangiectasia; 83.
Friedreich ataxia; 84. Bassel–Kornzweig disease; 85. Vanishing white matter disease; 86. Childhood
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Aceruloplasminemia; 95. Cerebrotendinous xanthomatosis; 96. Juvenile Huntington disease; 97. Hereditary
spastic paraplegia; 98. Adult neuronal ceroid lipofuscinosis (Kufs disease); 99. Juvenile amyotrophic
lateral sclerosis; 100. Juvenile Parkinson disease; Part V. Regression in Other Neurological and Psychiatric
Disorders; Section 12. Epilepsy: 101. Landau–Kleffner syndrome; 102. Electrical status epilepticus in
sleep; 103. Effects of antiepileptic drugs on cognition; 104. Epileptic psychosis; Section 13. Autism: 105.
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Section 19. Chronic Viral Infections of the Nervous System: 111. Neurological regression in viral disorders;
Section 20. Hysteria: 112. Conversion disorder in children; Part VI. Induced Regression; Section 21. Loss
of Sensory Organs: 113. Visual and auditory loss in children; Section 22. Irradiation and Other Cancer
Treatments: 114. Cancer treatments and neurological deterioration; Section 23. Protein and Calorie
and the developing nervous system; Section 25. Mineral Deficiencies: 117. Minerals and the nervous
system; Section 26. Chronic Poisoning: 118. Chronic lead poisoning; 119. Chronic mercury poisoning;
Section 27. Prolonged Hospitalization: 120. The hospitalized child; Section 28. Regression of the Neglected
Child: 121. The maltreatment of children; Section 29. Medical Child Abuse: 122. Muchausen syndrome;

ADDITIONAL INFORMATION

Level: medical specialists/consultants
PRINCIPLES OF IVF LABORATORY PRACTICE

Optimizing Performance and Outcomes

Edited by Markus H. M. Montag
ilabcomm GmbH, St Augustin, Germany

and Dean E. Morbeck
Fertility Associates, New Zealand

Since the first successful human in-vitro fertilization (IVF) treatment in 1978, IVF has transformed from an experimental procedure to an established standard of care that is practised throughout the world. As the proven methodologies become more established, patients and practitioners expect higher live birth rates and excellent quality controls. This practical book covers every stage in the life of an IVF laboratory, from designing and planning the laboratory to training the embryologists and ongoing management and troubleshooting, providing step-by-step protocols for today’s best practice. Complex and specialized procedures are described by experts in the respective fields using a common structure, which allows the reader to translate into standard operating procedures. The editors bring together a portfolio of techniques that will work in almost every laboratory, providing a foundation of good working practice for both new and experienced embryologists.

CONTENTS


WHY IT WILL SELL

• An easy-to-read, practical book, which avoids the deep theory and instead equips both new and experienced embryologists with the methods needed to provide high-quality, successful IVF

• Useful from the first day of planning a new IVF laboratory through to quality control and troubleshooting in daily practice

• Includes very detailed step-by-step instructions for both standard and complex procedures, presented in a style which will be familiar to readers accustomed to following laboratory protocols

ADDITIONAL INFORMATION

Level: medical specialists/consultants
Bronchoscopy procedures are commonly performed for diagnosis of respiratory disorders and therapeutic airway treatment and management. A thorough understanding of procedural and technical fundamentals is critical for improving yield and safety, but they are not featured in procedural reviews for advanced endoscopists. In this book those critical cornerstones of performing bronchoscopy are discussed and explained in detail. Following the successful structure of the first edition, the fully updated content provides detailed reviews of procedural fundamentals including endobronchial ultrasound. Equipment components are described and maintenance is discussed. All chapters include advice on procedural quality improvement. Regulatory requirements, bronchoscopy procedure unit design and management principles are also addressed. This text will be beneficial to a wide range of practitioners including trainees and specialists in pulmonary and all critical care fields, surgeons, anaesthesiologists and respiratory therapists.

**CONTENTS**


**ADDITIONAL INFORMATION**

*Level:* specialist medical trainees, medical specialists/consultants
PERIOPERATIVE CARE OF THE ELDERLY

Clinical and Organizational Aspects

Edited by Gabriella Bettelli
Italian National Research Centres for Ageing, Ancona, Italy

This innovative, comprehensive book covers the key elements of perioperative management of older patients. The book’s chapter structure coincides with the clinical path patients tread during their treatment, from preoperative evaluation to post-hospital care. Epidemiological aspects and aging processes are illustrated, providing keys to understanding the quick expansion of geriatric surgery and defining the clinical profile of older surgical patients in a cybernetic perspective. Preoperative evaluation and preparation to surgery (including medication reconciliation and pre-habilitation) are developed in the light of supporting decision-making about surgery in an evidence-based and patient-focused way. Intra- and post-operative management are discussed, aiming to tailor anaesthetic, surgical and nursing approaches to specific patients’ needs, in order to prevent both general and age-related complications. This volume also addresses issues relevant to geriatric surgery, from different organizational models to clinical risk management and systems engineering applied to hospital organization.

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Level: medical specialists/consultants, specialist medical trainees
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