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The AASM Manual for the Scoring of Sleep and Associated Events

The AASM Manual for the Scoring of Sleep and Associated Events

The AASM Manual for the Scoring of Sleep and Associated Events: Rules, Terminology and Technical Specifications is the definitive reference for the evaluation of polysomnography (PSG) and home sleep apnea testing (HSAT). This comprehensive resource provides rules for scoring sleep stages, arousals, respiratory events during sleep, movements during sleep and cardiac events. The AASM Scoring Manual also provides standard montages, electrode placements and digitization parameters. This manual is indispensable for sleep technologists, and it is an essential reference for physicians who interpret sleep studies -- Provided by the publisher.

Review Articles for the AASM Manual for the Scoring of Sleep and Associated Events

AASM Manual for the Scoring of Sleep and Associated Events

The AASM Manual for the Scoring of Sleep and Associated Events

Clinical Atlas of Polysomnography

CRC Press

Written for sleep technologists, *Clinical Atlas of Polysomnography* provides basic information regarding normal sleep, sleep disorders, and electrophysiology that is outside of the scope of the AASM manual (AASM Manual for the Scoring of Sleep and Associated Events). It aims to act as a guide through the fundamental aspects of, for example, types of overnight sleep study, establishing a sleep laboratory, preparing the patient for a sleep evaluation study, placement of electrodes and leads, and the scientific aspects of such placement, i.e., why they are placed at that particular position. This information will be very useful in those parts of the globe where formal training in sleep technology is not yet available. Many further chapters focus on depicting real-time illustrations of sleep data as captured in the sleep laboratory and the scoring of recording data. Information regarding common montages, artifacts, and troubleshooting in the sleep laboratory will facilitate the reader's journey as a trainee sleep technologist. While scoring sleep recordings, the "When you score the data" histogram can provide a great deal of useful information, and this has been explained in detail in this book. Most importantly, it is prudent to be able to write reports that are both informative and easy to understand by physicians who do not have advanced knowledge of sleep medicine. A chapter has been dedicated to explaining this in detail. Lastly, the authors have provided ready-made forms, questionnaires, and documents that can either be used as they are or with some modifications. This up-to-date and comprehensive volume will be an invaluable guide for technicians and physicians who wish to practice sleep medicine and will be

useful for sleep technology and physician training programs. The volume is intended to complement, not be a substitute for, the AASM scoring manual, as many areas that are covered in the manual are not covered here.

Sleep Disorders in Neurology *John Wiley & Sons*

Formulate treatment plans with confidence when you consult *Sleep Disorders in Neurology*, a helpful overview of both common and rare neurological disorders that are frequently accompanied by significant sleep disturbances. This concise guide explains when to consult a sleep specialist in managing a particular sleep disorder and draws on the expertise of neurologists who specialize in the disorders under discussion. This practical guide is fully illustrated and easily digested, providing a counterpoint to large encyclopedic reference volumes. The authors take you from history taking and diagnostic testing, to pharmacological and non-pharmacological treatment options, and are joined by disease sub-specialists in the chapters on disease specific sleep disturbances and the effects of common neurological medications on sleep. This book is essential for sleep medicine specialists, as well as for clinicians and health care professionals not specifically trained in sleep medicine, but who nevertheless need to manage neurologically damaged patients with increasingly recognized sleep-wake disturbances.

A Technologist's Handbook for Understanding and Implementing the AASM Manual for the Scoring of Sleep and Associated Events

Fundamentals of Sleep Technology

Lippincott Williams & Wilkins

Fundamentals of Sleep Technology provides a thorough understanding of the use of polysomnography and other technologies in the evaluation and management of sleep disorders. Coverage includes in-depth reviews of the neurophysiology and cardiopulmonary aspects of sleep, along with the pathophysiology of sleep disorders. Detailed sections on polysomnography include recording procedures, identifying and scoring sleep stages and sleep-related events, and report generation. Chapters discuss therapeutic interventions including positive airway pressure, supplemental oxygen, surgical and pharmacologic treatments, and patient education. A section focuses on pediatric sleep disorders and polysomnography. Also included are chapters on establishing and managing a sleep center and accrediting a sleep program. Fundamentals of Sleep Technology is endorsed by American Association of Sleep Technologists (AAST). AAST committees oversaw the development of this book, defining the table of contents, recruiting the Editors, and providing most of the contributors.

Sleep and Mental Illness

Cambridge University Press

The diagnosis of mental illness is frequently accompanied by sleep problems; conversely, people experiencing sleep problems may subsequently develop mental illness. Sleep and Mental Illness looks at this close correlation and considers the implications of research findings that have emerged in the last few years. Additionally, it surveys the essential concepts and practical tools required to

deal with sleep and co-morbid psychiatric problems. The volume is divided into three main sections: basic science, neuroendocrinology, and clinical science. Included are over 30 chapters on topics such as neuropharmacology, insomnia, depression, dementia, autism, and schizophrenia. Relevant questionnaires for the assessment of sleep disorders, including quality-of-life measurement tools, are provided. There is also a summary table of drugs for treating sleep disorders. This interdisciplinary text will be of interest to clinicians working in psychiatry, behavioral sleep medicine, neurology, pulmonary and critical care medicine.

The Concise Sleep Medicine Handbook 2nd Edition

Createspace Independent Pub

2nd edition (2013) now available! The Concise Sleep Medicine Handbook succinctly summarizes the essentials of sleep medicine in a compact volume. Candidates preparing for their board examinations will find it useful to review the source material in a relatively short period of time. Chapters are arranged to reflect exam content as outlined by the ABIM and include basic sleep physiology, sleep evaluation and an overview of the sleep disorders including pediatric sleep. Data is presented in bullet form wherever possible to facilitate study and recall. Official American Academy of Sleep Medicine (AASM) guidelines including the Scoring Manual and Practice Parameters are summarized for easy reference and review. Additions to the Handbook's 2nd edition include: - recommendations from the new AASM Scoring Manual (2012; 2nd edition) - summaries of the latest AASM Practice Parameter guidelines -references to recent sleep reviews -new FDA-approved

sleep medications -Medicare policy for PAP treatment of OSA -review questions at the end of each section. The contents of this volume provide a valuable resource in the day-to-day practice of clinical and laboratory sleep medicine.

Sleeping and Waking Disorders

Butterworth-Heinemann

Fundamentals of Sleep Medicine E-Book *Elsevier Health Sciences*

Written by Richard Berry, MD, author of the popular Sleep Medicine Pearls, Fundamentals of Sleep Medicine is a concise, clinically focused alternative to larger sleep medicine references. A recipient of the 2010 AASM Excellence in Education award, Dr. Berry is exceptionally well qualified to distill today's most essential sleep medicine know-how in a way that is fast and easy to access and apply in your practice. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Get clear guidance on applying the AASM scoring criteria. Reinforce your knowledge with more than 350 review questions. Get the answers you need quickly thanks to Dr. Berry's direct and clear writing style. Access the complete contents online at Expert Consult, including videos demonstrating parasomnias, leg kicks, and more.

Oxford Textbook of Sleep Disorders

Oxford University Press

There has been a rapid global increase in the number of individuals making sleep medicine their career, resulting in an explosive growth in the number of sleep centres and programmes, as well as an increasing number of sleep societies and

journals. Part of the Oxford Textbooks in Clinical Neurology series, the Oxford Textbook of Sleep Disorders covers the rapid advances in scientific, technical, clinical, and therapeutic aspects of sleep medicine which have captivated sleep scientists and clinicians. This text aims to introduce sleep disorders within the context of classical neurological diseases, giving an in-depth coverage of the topic in a logical and orderly way, while emphasizing the practical aspects in a succinct and lucid manner. Divided into 12 sections, this book begins by discussing the basic science (Section 1), before moving onto the laboratory evaluation (Section 2) and the clinical science (Section 3). The remainder of the book focuses on specific sleep disorders (Sections 4-12), from insomnias and parasomnias to sleep neurology and sleep and psychiatric disorders. Chapters are supplemented by tables, case reports, and illustrations intended to succinctly provide relevant information in a practical manner for diagnosis and treatment of sleep disorders, while always emphasizing clinical-behavioural-laboratory correlations.

Review of Sleep Medicine E-Book

Elsevier Health Sciences

Successfully review sleep medicine whether you plan to improve your sleep medicine competency skills or prepare for the Sleep Medicine Certification Exam with this expanded review-and-test workbook that includes more than 1,400 interactive questions and answers. Now in full color throughout, Review of Sleep Medicine, 4th Edition, by Dr. Alon Y. Avidan, features a new, high-yield format designed to help you make the most of your study time, using figures, polysomnography tracings, EEG

illustrations, sleep actigraphy and sleep diaries, tables, algorithms, and key points to explain challenging topics. Includes concise summaries of all aspects of sleep medicine clinical summaries from epidemiology, pathophysiology, clinical features, diagnostic techniques, treatment strategies and prognostic implications. Provides a library of assessment questions with comprehensive explanations to help you identify the reasoning behind each answer and think logically about the problems. Offers the expertise of a multidisciplinary global team of experts including sleep researchers, multispecialty sleep clinicians, and educators. The unique strength of this educational resource is its inclusion of all sleep subspecialties from neurology to pulmonary medicine, psychiatry, internal medicine, clinical psychology, and Registered Polysomnographic Technologists. Perfect for sleep medicine practitioners, sleep medicine fellows and trainees, allied health professionals, nurse practitioners, sleep technologists, and other health care providers as review tool, quick reference manual, and day-to-day resource on key topics in sleep medicine. Provides a highly effective review with a newly condensed, outline format that utilizes full-color tables, figures, diagrams, and charts to facilitate quick recall of information. Includes new and emerging data on the function and theories for why we sleep, quality assessment in sleep medicine, and benefits and risks of sleep-inducing medications. Contains new chapters on sleep stage scoring, sleep phylogenetic evolution and ontogeny, geriatric sleep disorders and quality measures in sleep medicine.

Sleep Medicine Pearls Saunders

This second edition by noted sleep medicine authority Richard B. Berry presents 100 cases that review key elements in the evaluation and management of patients with a wide variety of sleep disorders. Sleep disorders are among the most frequent health complaints physicians encounter: one third of adults experience occasional or persistent sleep problems. These disorders become a major health problem when they impair daytime functioning. A glossary is provided for sleep and sleep lab terminology The "pearls, " distillations of the key information for each case are always a key feature of books in the Pearls Series® All cases are real clinical cases compiled by the author, not theoretical 10 completely new cases have been added In addition to the cases, there are 22 sections presenting the Fundamentals of Sleep Medicine which better acquaint readers with the basic elements of sleep medicine All first edition cases have been substantially revised and rewritten Many new illustrations and sleep tracings have been added The glossary has been expanded and updated to reflect latest terminology

Review of Sleep Medicine Elsevier Health Sciences

Here's an ideal refresher on the core information in the field of sleep medicine. It is a comprehensive review-and-test workbook for preparation of the Sleep Board exam that emphasizes the highlights of sleep medicine and recaps major points with figures, tables, and lists to guide readers. The second half is a mock examination for practice, which includes many polysomnogram segments and multiple epochs. Also

included are 500 exam questions, a quick reference to drug effects relating to sleep medicine, and an appendix on sleep scoring basics. Enables the user to practice for the exam with the same type of questions used in the exam itself. Provides the busy clinician a succinct summary of all aspects of working up the sleep disordered patient. Offers very comprehensive and thorough answers and rationals so the user will know the why and how to think logically about the problem. Additional coverage brings review book up to date with ASBM test material. New chapters include: Sleep Breathing Disorders Cardiovascular Pathophysiology Evaluating Epilepsy Pearls of Pediatric Sleep Cardiopulmonary Disorders Neurological Sleep Disorders Sleep-Wake Disorders Clinical Case Studies II Knowing Practice Parameters Sleep Journals in Review

SCORING METHODS OF POLYSOMNOGRAPHY FOR DIAGNOSIS OF SLEEP APNEA IN ADOLESCENTS.

Purpose: Both respiratory scoring rule for children and adults can be used for adolescents in 2007 and 2012 American Academy of Sleep Medicine (AASM) scoring manuals. We evaluated the differences in scoring method of polysomnography using both 2007 and 2012 AASM scoring manuals when pediatric and adult scoring rules are adopted for adolescents for the diagnosis of sleep apnea. **Methods:** 106 Korean subjects with ages between 13 and 18 years old were enrolled. All subjects underwent overnight polysomnography in a sleep laboratory. Data were scored by both pediatric and adult rules in 2007 and 2012 AASM scoring manuals. **Results:** Both pediatric

and adult apnea hypopnea indices (AHI) using 2012 method were significantly higher than those using 2007 method. Difference of AHI among pediatric versus adult score in 2012 method was markedly decreased than that in 2007 method. There was a significant discordance of diagnosis for sleep apnea between pediatric and adult scoring rules in 2012 method. **Conclusions:** Both pediatric and adult rules could be used for the diagnosis of adolescent sleep apnea in 2012 method. However, there was significant discordance of diagnosis for sleep apnea between pediatric and adult rules in 2012 method. This might be due to different cut-off values of AHI for diagnosing sleep apnea among pediatric (u22651) and adult (u22655) rules. Further studies are needed to determine which cut-off value is more reasonable for diagnosing sleep apnea in adolescents.

Polysomnography for the Sleep Technologist *Elsevier Health Sciences*

The only sleep technology text written by experienced polysomnography educators, *Polysomnography for the Sleep Technologist: Instrumentation, Monitoring, and Related Procedures* covers the procedural knowledge you need to understand sleep studies. A sequential learning model systematically covers electronics, instrumentation, recording parameters, data acquisition, ancillary equipment, troubleshooting, recording quality, infection control, basic positive pressure therapy, and cardiopulmonary monitoring and intervention essential to polysomnography. In-depth discussions of polysomnographic technology in the clinical evaluation, physiological monitoring and testing, instrumentation, diagnosis, infection control,

management and prevention of a wide spectrum of sleep-related disorders and daytime alertness offers comprehensive coverage of polysomnography technology. Expert content written by the same authors who were instrumental in producing a standardized model curriculum outline. Unique sequential approach builds concepts over time and simplifies the material's complexity. Over 150 full-color graphs, charts, and illustrations supply visual guidance. End-of-chapter review questions help you assess your knowledge and prepare for certification as a sleep technologist. Chapter outlines, learning objectives, key terms and a bulleted chapter summary supplies a standard format to help you identify and focus on key content.

Kryger's Sleep Medicine Review E-Book *Elsevier Health Sciences*

Part of the trusted Kryger line of sleep medicine references, Kryger's Sleep Medicine Review, 3rd Edition, tests your knowledge with over 1,000 questions and answers. This unique review tool follows the updated AASM exam blueprint, providing authoritative guidance and current information on every aspect of sleep medicine. It's an invaluable resource for test prep and clinical practice, with updates to the classification system (ICSD3) and scoring manual, a new section on instrumentation, and questions related to key topics such as home sleep testing. Tests your knowledge with 540 in-book questions. All questions correspond to the blueprint of the newly updated AASM exam. Includes a new section on instrumentation and testing that covers electrical components and technical aspects of sleep devices as well as guidance on sleep study preparation and

testing conditions. Features increased content on pediatrics and management of children transitioning into adulthood, with many new pediatric-specific cases and questions. Keys answers to the relevant sections of Dr. Kryger's Principles and Practices of Sleep Medicine as well as the Atlas of Clinical Sleep Medicine. Brings you up to date with recent changes in the exam through coverage of techniques for applying the new scoring rules, information on the latest classification definitions (ICSD-3), tips for passing the exam, and more.

Niedermeyer's Electroencephalography *Lippincott Williams & Wilkins*

The leading reference on electroencephalography since 1982, Niedermeyer's Electroencephalography is now in its thoroughly updated Sixth Edition. An international group of experts provides comprehensive coverage of the neurophysiologic and technical aspects of EEG, evoked potentials, and magnetoencephalography, as well as the clinical applications of these studies in neonates, infants, children, adults, and older adults. This edition's new lead editor, Donald Schomer, MD, has updated the technical information and added a major new chapter on artifacts. Other highlights include complete coverage of EEG in the intensive care unit and new chapters on integrating other recording devices with EEG; transcranial electrical and magnetic stimulation; EEG/TMS in evaluation of cognitive and mood disorders; and sleep in premature infants, children and adolescents, and the elderly. A companion website includes fully searchable text and image bank.

Kryger's Sleep Medicine Review

Elsevier Health Sciences

Now completely updated and reorganized to reflect the most recent Sleep Medicine board examination, the ICSD-3, and the revision to the AASM Scoring Manual, Kryger's Sleep Medicine Review, 2nd Edition, provides authoritative guidance and cutting-edge information to help you prepare for the test and for clinical practice. This unique review tool contains an assessment of the most current standards, techniques for applying the new scoring rules, and tips for passing the exam - all correlated with other products in the trusted Kryger line of sleep medicine references for a seamless test prep and clinical resource experience. "The book would meet the requirements of both, healthcare professionals with relevant clinical experience as well as those without it. The book caters for the needs of Respiratory physicians, Otorhinologists, Neurologists, Paediatricians, Specialists in Family Medicine, Anesthesiologists and Psychiatrists." Reviewed by: Dr Neel Kamal, on behalf of BACCH Newsletter Date: July 2015 Test your knowledge with more than 450 in-book questions, and more than additional 500 bonus questions online. Monitor your progress with an online testing module that tells you which questions you answer correctly and incorrectly so that you can retest accordingly. Explore explanations further with answers keyed to the relevant sections of Dr. Kryger's Principles and Practices of Sleep Medicine as well as the Atlas of Clinical Sleep Medicine. Access the fully searchable text online on expertconsult, along with video clips, polysomnograms, images, and additional review questions. Effectively prepare for the exam using a format reorganized to include eight new content areas, a mix of review questions

weighted to correspond with the test, and new content areas for practitioners taking the European and Japanese sleep boards. Stay up to date with the latest innovations in the field, including questions related to home sleep testing. Keep up with recent changes in the exam through coverage of techniques for applying the new scoring rules, information on the latest classification definitions (ICSD-3), links to CME and Maintenance of Certification (MOC), tips for passing the exam, and more.

Clinical Atlas of Polysomnography

Apple Academic Press

Written for sleep technologists, Clinical Atlas of Polysomnography provides basic information regarding normal sleep, sleep disorders, and electrophysiology that is outside of the scope of the AASM manual (AASM Manual for the Scoring of Sleep and Associated Events). It aims to act as a guide through the fundamental aspects of, for example, types of overnight sleep study, establishing a sleep laboratory, preparing the patient for a sleep evaluation study, placement of electrodes and leads, and the scientific aspects of such placement, i.e., why they are placed at that particular position. This information will be very useful in those parts of the globe where formal training in sleep technology is not yet available. Many further chapters focus on depicting real-time illustrations of sleep data as captured in the sleep laboratory and the scoring of recording data. Information regarding common montages, artifacts, and troubleshooting in the sleep laboratory will facilitate the reader's journey as a trainee sleep technologist. While scoring sleep recordings, the "When you score the data" histogram can provide a great deal of useful information, and this has been

explained in detail in this book. Most importantly, it is prudent to be able to write reports that are both informative and easy to understand by physicians who do not have advanced knowledge of sleep medicine. A chapter has been dedicated to explaining this in detail. Lastly, the authors have provided ready-made forms, questionnaires, and documents that can either be used as they are or with some modifications. This up-to-date and comprehensive volume will be an invaluable guide for technicians and physicians who wish to practice sleep medicine and will be useful for sleep technology and physician training programs. The volume is intended to complement, not be a substitute for, the AASM scoring manual, as many areas that are covered in the manual are not covered here.

Night Noise Guidelines for Europe *WHO Regional Office Europe*

The WHO Regional Office for Europe set up a working group of experts to provide scientific advice to the Member States for the development of future legislation and policy action in the area of assessment and control of night noise exposure. The working group reviewed available scientific evidence on the health effects of night noise, and derived health-based guideline values. In December 2006, the working group and stakeholders from industry, government and nongovernmental organizations reviewed and reached general agreement on the guideline values and key texts for the final document of the "Night noise guidelines for Europe". Considering the scientific evidence on the thresholds of night noise exposure indicated by "L_{night,outside}" [L suffix night,outside] as defined in the Environmental Noise Directive

(2002/49/EC), an L_{night,outside} of 40 dB should be the target of the night noise guideline (NNG) to protect the public, including the most vulnerable groups such as children, the chronically ill and the elderly. "L_{night,outside}" value of 55 dB is recommended as an interim target for the countries where the NNG cannot be achieved in the short term for various reasons, and where policy-makers choose to adopt a stepwise approach. These guidelines are applicable to the Member States of the European Region, and may be considered as an extension to, as well as an update of, the previous WHO "Guidelines for community noise" (1999). [Ed.]

Sleep Medicine Springer

This comprehensive volume provides a balanced and easily readable account of the rise of modern sleep medicine, its history and developmental milestones. Authored by an international group of experts, the remarkable progress and fascinating evolution from rudimentary concepts of the ancient prehistoric and early classical periods to our contemporary knowledge are covered in detail. These examples and their relationship to modern therapies offer neurologists, psychiatrists, respiratory specialists, clinicians, researchers and those interested in sleep medicine an important perspective to the origins of current practice.

Sleep Disorders Medicine Springer

Since publication of the first edition in 1994, the second edition in 1999, and the third edition in 2009, many new advances in sleep medicine have been made and warrant a fourth edition. This comprehensive text features 19 additional chapters and covers basic science, technical and laboratory

aspects and clinical and therapeutic advances in sleep medicine for beginners and seasoned practitioners. With the discovery of new entities, many new techniques and therapies, and evolving basic science understanding of sleep, *Sleep Disorders Medicine, Fourth Edition* brings old and new knowledge about sleep medicine together succinctly in one place for a deeper understanding of the topic. Neurologists, internists, family physicians, pediatricians, psychiatrists, psychologists, otolaryngologists, dentists, neurosurgeons, neuroscientists, intensivists, as well as those interested in advancing their knowledge in sleep and its disorders, will find this edition to be an invaluable resource to this burgeoning field.

Sleep Apnea BoD – Books on Demand

Sleep medicine is developing rapidly with more than 100 sleep disorders discovered till now. Despite that, sleep specialty is in neonatal stage especially in developing and underdeveloped countries. Sleep medicine is still evolving with ongoing worldwide clinical research, training programs, and changes in the insurance policy disseminating more awareness in physicians and patients. Sleep apnea is one of the most common sleep disorders, found in around 5-7 % of the general population with high prevalence in the obese, elderly individuals but largely unrecognized and hence undiagnosed with untreated and life-threatening consequences. In the last decade, new complex sleep disorders and their pathophysiology have been discovered, new treatment options (pharmacological and nonpharmacological) are available, and hence we planned a book on the recent developments on the most common

sleep disorder, sleep apnea. We have incorporated chapters from the eminent clinicians and authors around the globe to produce a state-of-the-art book with the target audience from internal medicine, pulmonary, sleep medicine, neurology, ENT, and psychiatry discipline.

Principles and Practice of Sleep Medicine E-Book Elsevier Health Sciences

Principles and Practice of Sleep Medicine, 5th Edition, by Meir H. Kryger, MD, FRCPC, Thomas Roth, PhD, and William C. Dement, MD, PhD, delivers the comprehensive, dependable guidance you need to effectively diagnose and manage even the most challenging sleep disorders. Updates to genetics and circadian rhythms, occupational health, sleep in older people, memory and sleep, physical examination of the patient, comorbid insomnias, and much more keep you current on the newest areas of the field. A greater emphasis on evidence-based approaches helps you make the most well-informed clinical decisions. And, a new more user-friendly, full-color format, both in print and online, lets you find the answers you need more quickly and easily. Whether you are preparing for the new sleep medicine fellowship examination, or simply want to offer your patients today's best care, this is the one resource to use! Make optimal use of the newest scientific discoveries and clinical approaches that are advancing the diagnosis and management of sleep disorders.

Kryger's Principles and Practice of Sleep Medicine - E-Book Elsevier Health Sciences

Offering today's most authoritative,

comprehensive coverage of sleep disorders, Kryger's Principles and Practice of Sleep Medicine, 7th Edition, is a must-have resource for sleep medicine specialists, fellows, trainees, and technicians, as well as pulmonologists, neurologists, and other clinicians who see patients with sleep-related issues. It provides a solid understanding of underlying basic science as well as complete coverage of emerging advances in management and treatment for a widely diverse patient population. Evidence-based content, hundreds of full-color illustrations, and a wealth of additional resources online help you make well-informed clinical decisions and offer your patients the best possible care. Contains new chapters on sleep in intersex and transgender individuals; sleep telemedicine and remote PAP adherence monitoring; and sleep and the menstrual cycle, as well as increased coverage of treatment and management of pediatric patients. Includes expanded sections on pharmacology, sleep in individuals with other medical disorders, and methodology. Discusses updated treatments for sleep apnea and advancements in CPAP therapy. Offers access to 95 video clips online, including expert interviews and sleep study footage of various sleep disorders. Meets the needs of practicing clinicians as well as those preparing for the sleep medicine fellowship examination or recertification exams, with more than 950 self-assessment questions, answers, and rationales online. Enhanced eBook version included with purchase. Your enhanced eBook allows you to access all of the text, figures, and references from the book on a variety of devices.

Atlas of Sleep Medicine *Elsevier Health Sciences*

Effectively diagnose and manage adult and pediatric sleep disorders with help from Atlas of Sleep Medicine, the most comprehensive and detailed source of pictorial and video guidance available. A full-color design with an entirely new image collection and video segments facilitates the observation and interpretation of sleep-related events and recordings. Whether you are preparing for the sleep medicine fellowship examination, or simply want to offer your patients today's best care, this sleep medicine book is an ideal resource! Confidently treat sleep-related breathing disorders with a practical step-by-step approach to positive pressure titration, summarizing merits, demerits, dangers, and limitations. Observe, evaluate, and treat unusual, uncommon, and often unrecognized PSG patterns. See how clinical and PSG findings correlate in real time for various sleep disorders by watching video segments (new to this edition!) that show sleep movements and polysomnography data side by side. Visually reinforce your understanding of circadian dysrhythmias through dynamic hypnograms and a tantalizing pictorial display. Evaluate indications and choose appropriate dental appliances with step-by-step instruction and supporting video clips. Address undesired phenomena that occur in association with sleep with eight new unique vignettes with associated videos including a variety of parasomnias, cataplexy, and death from obstructive sleep apnea. Access the fully searchable text online including the complete image library, over two dozen videos, and more at Expert Consult. With 61 contributors

Respiratory Manifestations of Neuromuscular and Chest Wall

Disease, An Issue of Clinics in Chest Medicine, E-Book *Elsevier Health Sciences*

This issue of Chest Medicine Clinics focuses on Respiratory Manifestations of Neuromuscular and Chest Wall Disease, with topics including: Respiratory Pathophysiology of CW; Respiratory Pathophysiology of NMDiseases; Sleep Disordered breathing in NMDs and CW; PFT Measurements in NMD and CW disorders; Assessing diaphragm function in chest wall and neuromuscular disease; Disorders of the Diaphragm; Disorders of the CW; Muscular Dystrophies; Respiratory Issues in Amyotrophic Lateral Sclerosis; Metabolic myopathies and the Respiratory System; Respiratory complications of SCI; Obesity hypoventilation syndrome; NIV in NMD and CW; Swallowing and Secretion Management Issues in Neuromuscular Disease; Advances in Cell and Molecular Biology in NMD; and Diaphragm Pacing.

Sleep Medicine Pearls E-Book *Elsevier Health Sciences*

Sleep Medicine is a rapidly growing and changing field. Experienced sleep medicine clinicians and educators Richard B. Berry, MD and Mary H. Wagner, MD present the completely revised, third edition of Sleep Medicine Pearls featuring 150 cases that review key elements in the evaluation and management of a wide variety of sleep disorders. The cases are preceded by short fundamentals chapters that present enough basic information so that a physician new to sleep medicine can start reading page 1 and quickly learn the essential information needed to care for patients with sleep disorders. A concise, practical format makes this an ideal resource for sleep medicine physicians in active practice, sleep

fellows learning sleep medicine, and physicians studying for the sleep boards. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Zero in on the practical, "case-based" information you need to effectively interpret sleep studies (polysomnography, home sleep testing, multiple sleep latency testing), sleep logs, and actigraphy. Get clear, visual guidance with numerous figures and sleep tracings illustrating important concepts that teach the reader how to recognize important patterns needed to diagnose sleep disorders. Confer on the go with short, templated chapters—ideal for use by busy physicians. A combination of brief didactic material followed by case-based examples illustrates major points. Stay current with knowledge about the latest developments in sleep medicine by reading updated chapters using the new diagnostic criteria of the recently published International Classification of Sleep Disorder, 3rd Edition and sleep staging and respiratory event scoring using updated versions of the scoring manual of the American Academy of Sleep Medicine Manual for the Scoring of Sleep and Associated Events. Benefit from Drs. Berry and Wagner's 25+ years of clinical experience providing care for patients with sleep disorders and educational expertise from presenting lectures at local, regional and national sleep medicine courses. Dr Berry was awarded the AASM Excellence in Education Award in 2010.

Automatic Sleep Classification Using the New Sleep Stage Standards

"Sleep is fundamental for physical health and good quality of life, and clinicians and researchers have long debated how

best to understand it. Manual approaches to sleep classification have been in use for over 40 years, and in 2007, the American Academy of Sleep Medicine (AASM) published a new sleep scoring manual. Over the years, many attempts have been made to introduce and validate machine learning and automated classification techniques in the sleep research field, with the goals of improving consistency and reliability. This thesis explored and assessed the use of automated classification systems with the updated sleep stage definitions and scoring rules using neuro-fuzzy system (NFS) and support vector machine (SVM) methodology. For both the NFS and SVM classification techniques, the overall percent correct was approximately 65%, with sensitivity and specificity rates around 80% and 95%, respectively. The overall Kappa scores, one means for evaluating system reliability, were approximately 0.57 for both the NFS and SVM, indicating moderate agreement that is not accidental. Stage 3 sleep was detected with an 87-89% success rate. The results presented in this thesis show that the use of NFS and SVM methods for classifying sleep stages is possible using the new AASM guidelines. While the current work supports and confirms the use of these classification techniques within the research community, the results did not indicate a significant difference in the accuracy of either approach -- nor a difference in one over the other. The results suggest that the important clinical stage 3 (slow wave sleep) can be accurately scored with these classifiers; however, the techniques used here would need more investigation and optimization prior to serious use in clinical applications."-- Abstract.

Handbook of EEG Interpretation *Springer Publishing Company*

Thoroughly updated and expanded Third Edition of the most trusted resource for anyone involved in EEG interpretation. Designed for on-the-go reference in the clinic or at the bedside, *Handbook of EEG Interpretation* concisely covers the fundamental components of EEG in clinical practice with graphic examples of classic EEG presentations and essential text throughout. Six new chapters have been added to address areas of growing importance with new dedicated chapters on technical aspects and artifacts of recording. With chapters written by prominent experts, this portable reference includes updated examples and color images new to this edition to reflect current advances in the field. Using a visual approach to identifying EEG waveforms, this handbook is the prime point-of-care reference on all major EEG topics: normal and abnormal variants, epileptiform and nonepileptiform abnormalities, adult and pediatric seizures, status epilepticus, ICU EEG, and sleep; in addition to ambulatory and video-EEG monitoring, electrocorticography, and magnetoencephalography. Essential "bottom-line" information in every chapter helps guide clinicians through the many challenges of EEG interpretation to improve patient outcomes. Practical tips from authors are included in a user-friendly manner. Designed for rapid retrieval and structured review, this handbook is a highly useful tool for neurology residents and fellows, clinicians, and technologists in search of reliable EEG information, regardless of specialty or level of training. Key Features: Third edition of the comprehensive, easy to read, quick

access handbook on EEG interpretation Updated to reflect advanced clinical EEG applications and techniques Expanded coverage with the addition of six entirely new chapters Provides a visual approach to identifying EEG waveforms and understanding the essence of their clinical significance with over 300 color tracings Purchase includes access to the eBook for use on most mobile devices or computers

Essentials of Polysomnography Jones & Bartlett Learning

Essentials of Polysomnography, Second Edition is a 386-page full color text designed specifically for sleep technicians and professionals. The new compact design and layout includes the same amount of content from the First Edition, with updated content and images. This textbook is written by William H. Spriggs, a certified sleep technician, and is used in hospitals, sleep labs, physician offices, and colleges and universities around the world. The Second Edition is ideal for training new sleep technicians, and students interested in studying polysomnography, as well as physicians, sleep lab managers, DME reps, and sleep lab front office staff members. The new edition's content and questions reflect the new ICSD-3 classifications, AASM Rules and address the BRPT new exam blueprints as well as the revised AASM Manual for the Scoring of Sleep and Associated Events released in July 2013, content includes: An overview of normal sleep and the history of sleep disorders Patient education and the patient flow process Life as a Sleep Technician Patient Hookup Procedures Polysomnography overview and interpretation Pediatric sleep medicine Hundreds of sample epochs depicting

sleep stages, artifacts, and events New Chapters/Topics in the Second Edition include: Medical and Neurological effects on sleep Effects of Medicine on Sleep Updated, as well as more, coverage on ECG All content is updated to reflect the ICSD-3, AASM, and BRPT changes

Drug-Induced Sleep Endoscopy

Thieme

The definitive resource on the innovative use of DISE for obstructive sleep apnea Obstructive sleep apnea is the most prevalent sleep-related breathing disorder, impacting an estimated 1.36 billion people worldwide. In the past, OSA was almost exclusively treated with Continuous Positive Airway Pressure (CPAP), however, dynamic assessment of upper airway obstruction with Drug-Induced Sleep Endoscopy (DISE) has been instrumental in developing efficacious alternatives. Drug-Induced Sleep Endoscopy: Diagnostic and Therapeutic Applications by Nico de Vries, Ottavio Piccin, Olivier Vanderveken, and Claudio Vicini is the first textbook on DISE written by world-renowned sleep medicine pioneers. Twenty-four chapters feature contributions from an impressive group of multidisciplinary international experts. Foundational chapters encompass indications, contraindications, informed consent, organization and logistics, patient preparation, and drugs used in DISE. Subsequent chapters focus on treatment outcomes, the role of DISE in therapeutic decision making and upper airway stimulation, pediatric sleep endoscopy, craniofacial syndromes, advanced techniques, and more. Key Highlights Comprehensive video library highlights common and rare DISE findings A full spectrum of sleep disordered breathing and OSA topics,

from historic to future perspectives. Insightful clinical pearls on preventing errors and managing complications including concentric and epiglottis collapse. Discussion of controversial DISE applications including oral appliances and positional and combination therapies. This unique book is essential reading for otolaryngology residents, fellows, and surgeons. Clinicians in other specialties involved in sleep medicine will also benefit from this reference, including pulmonologists, neurologists, neurophysiologists, maxillofacial surgeons, and anesthesiologists.

Kryger's Sleep Medicine Review *Elsevier Health Sciences*

Kryger's Sleep Medicine Review offers foolproof tips and guidance on the newly re-formatted Board exam so you can effectively prepare and get the best results. Dr. Meir Kryger-along with Drs. Russell Rosenberg, G. Vernon Pegram, and Lawrence Martin-present the distinct, practical teaching style of one of the founding fathers of sleep medicine to familiarize you with current standards, the new scoring rules, what to expect on the day of the exam, and more. Review questions, weighted to correspond with the content of the test, help you assess your readiness for the exam. With answers keyed to both Principles and Practices of Sleep Medicine and the Atlas of Clinical Sleep Medicine and video clips, polysomnograms, images, and additional review questions online at www.expertconsult.com, you'll have all the help you need to excel on the exam. Access the fully searchable text online at www.expertconsult.com, along with video clips, polysomnograms, images, and additional review questions. Effectively prepare for the exam using a format organized to mirror its content

with a mix of review questions weighted to correspond with the test. Monitor your progress with an online testing module that tells you which questions you answer correctly and incorrectly so that you can retest accordingly. Explore explanations further with answers keyed to the relevant sections of Dr. Kryger's Principles and Practices of Sleep Medicine as well as the Atlas of Clinical Sleep Medicine. Keep up with the changes in the newly re-formatted exam through an assessment of the most current standards, coverage of techniques for applying the new scoring rules, tips for passing the exam, and coverage of what to expect on the day of the exam. The first Board review tool for the sleep medicine exam that addresses the new formats and requirements on the exam. The perfect resource to ace your boards from the Kryger brand you trust.

Sleep in Childhood Neurological Disorders *Demos Medical Publishing*

Sleep in Childhood Neurological Disorders addresses the myriad sleep-wake issues associated with neurological disturbances from the newborn period through adolescence. The editors and contributing authors are internationally recognized authorities who cover everything from sleep and ADHD, headaches, restless leg syndrome, parasomnias, hypersomnias, autism, brain tumors, epilepsy, traumatic brain injury, and other primary disorders to sleep co-morbidities, assessment, testing, interventions, pharmacology and more. The first book devoted to the growing field of pediatric neurosomnology, Sleep in Childhood Neurological Disorders is an invaluable text for clinicians looking for current information and practical guidance to

successfully manage their pediatric sleep patients. *Sleep in Childhood Neurological Disorders* features Dedicated focus on neurologically-based sleep disorders in children Diagnostic tables, key points, clinical pearls, and treatment algorithms throughout to enhance clinical utility Directions for "Future Research" in each chapter highlight promising studies and new therapies Broad-based coverage of the full range of common sleep disorders and co-morbidities

Sleep Apnea: New Insights for the Healthcare Professional: 2013 Edition *ScholarlyEditions*

Sleep Apnea: New Insights for the Healthcare Professional: 2013 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Diagnosis and Screening in a concise format. The editors have built *Sleep Apnea: New Insights for the Healthcare Professional: 2013 Edition* on the vast information databases of ScholarlyNews.™ You can expect the information about Diagnosis and Screening in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of *Sleep Apnea: New Insights for the Healthcare Professional: 2013 Edition* has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Kryger's Sleep Medicine Review E-Book *Elsevier Health Sciences*

Now completely updated and reorganized to reflect the most recent Sleep Medicine board examination, the ICSD-3, and the revision to the AASM Scoring Manual, Kryger's Sleep Medicine Review, 2nd Edition, provides authoritative guidance and cutting-edge information to help you prepare for the test and for clinical practice. Authors Meir H. Kryger, Russell Rosenberg, Douglas Kirsh, and Lawrence Martin have ensured that this unique review tool contains an assessment of the most current standards, techniques for applying the new scoring rules, and tips for passing the exam – all correlated with other products in the trusted Kryger line of sleep medicine references for a seamless test prep and clinical resource experience. Consult this title on your favorite e-reader. Test your knowledge with more than 450 in-book questions, and more than additional 500 bonus questions online. Monitor your progress with an online testing module that tells you which questions you answer correctly and incorrectly so that you can retest accordingly. Explore explanations further with answers keyed to the relevant sections of Dr. Kryger's Principles and Practices of Sleep Medicine as well as the Atlas of Clinical Sleep Medicine. Effectively prepare for the exam using a format reorganized to include eight new content areas, a mix of review questions weighted to correspond with the test, and new content areas for practitioners taking the European and Japanese sleep boards. Stay up to date with the latest innovations in the field, including questions related to home sleep testing. Keep up with recent changes in the exam through coverage of techniques

for applying the new scoring rules, definitions (ICSD-3), links to CME and information on the latest classification Maintenance of Certification (MOC), tips for passing the exam, and more.