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Complexities in Colorectal Surgery: Decision-Making and Management provides a unique, modern, practical guide that covers the strategic evaluation, specific approaches, and detailed management techniques utilized by expert Colorectal Surgeons caring for patients with complex problems—whether they result from underlying colorectal disease or from complications arising from previous surgical therapy. The text is formatted as both a “how-to” manual as well as an algorithm-based guide allowing the reader to understand the thought process behind the proposed treatment strategies. By making use of evidence-based recommendations, each chapter will include not only diagnostic and therapeutic guidelines, but also a narrative by the author on his/her operative technical details and perioperative “tips and tricks” that they utilize in the management of these complex surgical challenges. This text includes chapters on the assessment of risk and nutritional intervention methods utilized to minimize perioperative complications. In addition, sections on medical and surgical therapies for abdominal, pelvic and anorectal disease are incorporated. Moreover, the technical challenges of managing complications resulting from the original or subsequent operations is addressed. The underlying focus throughout the text is to provide pragmatic and understandable solutions that can be readily implemented by surgeons of varying experience to successfully treat complex colorectal problems. The text also goes beyond the technical aspects of Colorectal Surgery and includes special sections highlighting the essence of a surgeon. These include chapters describing the importance of the first encounter, building patient rapport, and demonstrating confidence and competence while showing humility and avoiding arrogance. Additionally, aspects involving the medical-legal, ethical, and economic challenges confronting surgeons are covered.

The Medical Times and Gazette
A Journal of Medical Science, Literature, Criticism, and News
Department of the Interior and related agencies appropriations for 1977
hearings before a subcommittee of the Committee on Appropriations, House of Representatives, Ninety-fourth Congress, second session ...
The Edinburgh Medical and Surgical Journal ...
Opportunistic Spectrum Sharing and White Space Access
The Practical Reality
John Wiley & Sons

This book provides a fundamental discussion, latest research & developments, and the future of thin films and photoenergy materials, two developing areas that have the potential to spearhead the future of industry. Photoenergy materials are expected to be a next generation key material to provide secure, safe, sustainable and affordable energy. Photoenergy devices are known to convert the sunlight into electricity. This type of devices is very much simple in design with having a major advantage with their structure as stand-alone systems to provide outputs up to megawatts. They have been applied as a power source, solar home systems, remote buildings, water pumping, megawatt scale power plants, satellites, communications, and space vehicles. With such a list of enormous applications, the demand for photoenergy devices is growing every year. On the other hand, thin films coating, which can be defined as fusion of surface science, materials science, and applied physics, are progressing as a unified discipline of scientific industry. A thin film can be termed as a very fine or thin layer of material coated on a particular surface, that can be in the range of a nanometer in thickness to several micrometers in size. Thin films are being applied it a number of fields ranging from protection purposes to electronic semiconductor devices.

This book addresses opportunistic spectrum sharing and white space access, being particularly mindful of practical considerations and solutions. In Part I, spectrum sharing implementation issues are considered in terms of hardware platforms and software architectures for realization of flexible and spectrally agile transceivers. Part II addresses practical mechanisms supporting spectrum sharing, including spectrum sensing for opportunistic spectrum access, machine learning and decision making capabilities,

aggregation of spectrum opportunities, and spectrally-agile radio waveforms. Part III presents the ongoing work on policy and regulation for efficient and reliable spectrum sharing, including major recent steps forward in TV White Space (TVWS) regulation and associated geolocation database approaches, policy management aspects, and novel licensing schemes supporting spectrum sharing. In Part IV, business and economic aspects of spectrum sharing are considered, including spectrum value modeling, discussion of issues around disruptive innovation that are pertinent to opportunistic spectrum sharing and white space access, and business benefits assessment of the novel spectrum sharing regulatory proposal Licensed Shared Access. Part V discusses deployments of opportunistic spectrum sharing and white space access solutions in practice, including work on TVWS system implementations, standardization activities, and development and testing of systems according to the standards. This is the unbound, loose-leaf version of *Intermediate Accounting, 17th Edition, Volume 1*. This book is written by industry thought leaders, Kieso, Weygandt, and Warfield and is developed around one simple proposition: create great accountants. Upholding industry standards, this edition incorporates new data analytics content and up-to-date coverage of leases, revenue recognition, financial instruments, and US GAAP & IFRS. While maintaining its reputation for accuracy, comprehensiveness, and accessibility, *Intermediate Accounting* drives results by helping students build professional competencies through reliable problem material.

This comprehensive, peer-reviewed resource sets the standard for nephrology nursing clinical practice. Written by experts in the field, the 2020 edition presents the newest information regarding kidney disease, its treatment, and the nursing care involved. New and updated content reflects current policy and terminology, including health information technology, collaboration with ESRD Networks, economics of ESRD reimbursement, nutritional needs of patients undergoing bariatric surgery, nutritional needs of pregnant patients, advance care planning, palliative care, and end-of-life care. The seventh edition contains almost 1,800 pages divided into two volumes, includes self-assessment questions, and provides more than 60 nursing continuing professional development contact hours and almost 12 pharmacology hours.

Combinatorial optimization is the process of finding the best, or optimal, solution for problems with a discrete set of feasible solutions. Applications arise in numerous settings involving operations management and logistics, such as routing, scheduling, packing, inventory and production management, location, logic, and assignment of resources. The economic impact of combinatorial optimization is profound, affecting sectors as diverse as transportation (airlines, trucking, rail, and shipping), forestry, manufacturing, logistics, aerospace, energy (electrical power, petroleum, and natural gas), telecommunications, biotechnology, financial services, and agriculture. While much progress has been made in finding exact (provably optimal) solutions to some combinatorial optimization problems, using techniques such as dynamic programming, cutting planes, and branch and cut methods, many hard combinatorial problems are still not solved exactly and require good heuristic methods. Moreover, reaching "optimal solutions" is in many cases meaningless, as in practice we are often dealing with models that are rough simplifications of reality. The aim of heuristic methods for combinatorial optimization is to quickly produce good-quality solutions, without necessarily providing any guarantee of solution quality. Metaheuristics are high level procedures that coordinate simple heuristics, such as local search, to find solutions that are of better quality than those found by the simple heuristics alone: Modern

metaheuristics include simulated annealing, genetic algorithms, tabu search, GRASP, scatter search, ant colony optimization, variable neighborhood search, and their hybrids.

Colorectal Surgery meets the needs of surgeons in higher training and practising consultants for a contemporary and evidence-based account of this sub-specialty that is relevant to their general surgical practice. It is a practical reference source incorporating the most current information on recent developments, management issues and operative procedures. The text is thoroughly referenced and supported by evidence-based recommendations wherever possible, distinguishing between strong evidence to support a conclusion, and evidence suggesting that a recommendation can be reached on the balance of probabilities. For this Sixth Edition the authorship team across the series has been expanded to include additional European and World experts, with an increased emphasis on global practice. Throughout all six volumes the contents have been extensively revised in line with recently published evidence. Detailed supportive key references are provided and are also included within the comprehensive list of references in the accompanying ebook. Links to recommended online videos have been added where appropriate. The Companion to Specialist Surgical Practice series provides a current and concise summary of the key topics within the major sub-specialties of general surgery. Each volume highlights evidence-based practice both in the text and within the extensive list of references at the end of every chapter. This edition of Colorectal Surgery includes new chapters on surgery for colon cancer, and on the management of advanced and recurrent colorectal cancer. New techniques for the minimally invasive treatment of rectal cancer are included for the first time, as are a number of new procedures for fistula. The latest evidence for total mesocolic excision is included for the first time, together with clear descriptions of the technique.

This multivolume resource is an excellent research tool for developing a working knowledge of basic energy concepts and topics. * Includes interviews of teachers, students, and businesspeople in the renewable energy fields * Provides energy timelines charting the historic development of different energy sources * Offers 150 detailed illustrations of electric vehicles and hydrogen fuel cells plus 50 tables, and charts of data * Presents a number of maps showing the global development of wind power, solar power, and geothermal power * A bibliography of print and online resources is included for further reading

Go beyond the basics and unleash the full power of QGIS 3.4 and 3.6 with practical, step-by-step examples Key Features One-stop solution to all of your GIS needs Master QGIS by learning about database integration, and geoprocessing tools Learn about the new and updated Processing toolbox and perform spatial analysis Book Description QGIS is an open source solution to GIS and widely used by GIS professionals all over the world. It is the leading alternative to proprietary GIS software. Although QGIS is described as intuitive, it is also, by default, complex. Knowing which tools to use and how to apply them is essential to producing valuable deliverables on time. Starting with a refresher on the QGIS basics and getting you acquainted with the latest QGIS 3.6 updates, this book will take you all the way through to teaching you how to create a spatial database and a GeoPackage. Next, you will learn how to style raster and vector

data by choosing and managing different colors. The book will then focus on processing raster and vector data. You will be then taught advanced applications, such as creating and editing vector data. Along with that, you will also learn about the newly updated Processing Toolbox, which will help you develop the advanced data visualizations. The book will then explain to you the graphic modeler, how to create QGIS plugins with PyQGIS, and how to integrate Python analysis scripts with QGIS. By the end of the book, you will understand how to work with all aspects of QGIS and will be ready to use it for any type of GIS work. What you will learn Create and manage a spatial database Get to know advanced techniques to style GIS data Prepare both vector and raster data for processing Add heat maps, live layer effects, and labels to your maps Master LAsTools and GRASS integration with the Processing Toolbox Edit and repair topological data errors Automate workflows with batch processing and the QGIS Graphical Modeler Integrate Python scripting into your data processing workflows Develop your own QGIS plugins Who this book is for If you are a GIS professional, a consultant, a student, or perhaps a fast learner who wants to go beyond the basics of QGIS, then this book is for you. It will prepare you to realize the full potential of QGIS.

Consists of various reprints from the Congressional Research Service including: Introduction to the Federal budget process by Robert Keith and various publications on the budget process by Bill Heniff and others.

Presents different surgical techniques to remove cataracts in patients with other pre-existing ocular disorders. Presented as case scenarios, the book covers numerous different conditions including dry eye, uveitis and glaucoma, as well as cataract surgery after other types of eye surgery.

For more than 30 years, the highly regarded Secrets Series(R) has provided students and practitioners in all areas of health care with concise, focused, and engaging resources for quick reference and exam review. Nephrology Secrets: First South Asia Edition, features the Secrets' popular question-and-answer format that also includes lists, tables, and an easy-to-read style - making reference and review quick, easy, and enjoyable. The proven Secrets(R) format gives you the most return for your time - concise, easy to read, engaging, and highly effective.

Covers the full range of essential topics in nephrology for in-training or practicing professionals. Written and fully updated by global experts and thought leaders in nephrology. Top 100 Secrets and Key Points boxes provide a fast overview of the secrets you must know for success in practice and on exams. Portable size makes it easy to carry with you for quick reference or review anywhere, anytime.

Accounting Principles, 14th Edition provides students with a clear overview of fundamental financial and managerial accounting concepts with a focus on learning the accounting cycle from the sole proprietor perspective. Through a primary review of accounting transactions, integrated real-world examples, and a variety of practice opportunities, students develop a thorough understanding of how to apply accounting principles and techniques in practice. Students work through an entire program that builds their mastery of accounting concepts with an emphasis on decision making and key data analysis skills appropriate at the introductory level that keeps them engaged and better prepared to connect the classroom to the real world. Praise for the First Edition: " This is an excellent guide to the theory and practice of EMDR. It provides great clarity to readers unsure of how this therapy is conducted. If you want to know

about EMDR, this is the book to have." -Score: 100, 5 starsóDoody's This second edition of an acclaimed guide to the theory and practice of EMDR provides updated information regarding new evidence for its treatment efficacy and an in-depth presentation of state-of-the-art research on its mechanisms of action. The book reviews outcome studies suggesting EMDR's effectiveness for diagnoses beyond PTSD along with studies on its use for treatment of depression, with cancer patients, and with groups. It surveys new strategies on advanced EMDR therapy topics such as when treating dissociative and personality disorders, along with references for more in-depth information. The second edition also provides an expanded glossary and extensively updated references, and reflects changes corresponding to the DSM 5. The book delivers clear, concise treatment guidelines for students, practicing clinicians, supervisors, clinic directors, and hospital administrators involved in the treatment of those with PTSD, Specific Phobias, and Panic Disorder. For researchers conducting treatment outcome studies it provides easy-to-access treatment guidelines and a comprehensive set of fidelity checklists for all aspects of EMDR therapy. A multitude of new charts, forms, scripts, illustrations, tables and decision trees present key information clearly and concisely to guide treatment planning and documentation. Case studies with transcripts illustrate the different protocols and further guide practitioners of EMDR therapy in informed decision-making. New to the Second Edition: Describes updated information on mechanisms of action of EMDR therapy Presents new evidence-based EMDR therapy Delivers outcome studies for the use of EMDR with a broad range of diagnoses Surveys new research about using EMDR with cancer patients and those with severe depression Discusses the evolution of the theory of memory networks in EMDR therapy Examines the effectiveness of Bilateral Stimulation on adaptive memories and images Reflects changes resulting from DSM 5 Includes extensively updated and expanded references and glossary Provides new charts, forms, scripts, illustrations, decision trees and case studies illustrating different protocols Key Features: Presents an easy-to-use set of forms and scripts Focuses on safety and efficiency of EMDR therapy in many situations Expands AIP model regarding using EMDR to resolve psychological defenses Discusses ethical issues in clinical application, consultation, supervision, and research "Today the chemical analysis is the dominant direction of the quality control system of TCM and natural medicines. But it is difficult to measure the quality for TCM herbs by detecting solely the presence / absence of a single or small number of marker components at very low concentration, especially for the herbs derived from mutliorigins and produced from wide localities, as well as those with unknown principle bioactive components. From this standpoint, it is necessary to use multidisciplinary technologies, integrating the morphological authentication and chemical analysis, qualitative detection and quantitative determination, and physic-chemical analysis and bioassay, in order to distinguish the authentic herb from the adulterant, the superior from the inferior, and to improve the standards of TCM herbs. This book includes 60 commonly used TCM herbs, each involving the following items: definition, location, action and indication, description, microscopic identification, TLC identification, HPLC/GC fingerprint identification (optional), assay, discussion and references. It is a valuable reference of quality evaluation for TCM herbs."--

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