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Basic Veterinary Immunology

Basic Veterinary Immunology Gerald N. Callahan 2014 Designed to fill the current gap in resources for teaching veterinary immunology, Basic Veterinary Immunology offers a solid background in the essentials of immunology within the context of veterinary medicine. The book combines a clinical framework complete with real-world examples to integrate the theory and practice of veterinary medicine. Each chapter begins with a clinically relevant veterinary issue and then presents one aspect of basic immunology in the context of that issue. All chapters include learning objectives and a clinical correlation follow-up section that includes student considerations and a review of the possible explanations for the clinical presentation. Illustrated with 250 full-color images and figures that will also be available as PowerPoint teaching aids, Basic Veterinary Immunology and related materials will be made available online to students, faculty, and clinical veterinarians in partnership with the Veterinary Information Network. Basic Veterinary Immunology will provide students with a good working knowledge of veterinary immunology that will serve them both in the completion of their curricula and in professional practice.

People of the Great Ocean Philip Houghton 2009-09-17 Human settlement of the western fringes of the Pacific occurred at least 40,000 years ago. Long, hazardous sea voyages were the only way of reaching the tiny islands scattered through this vast expanse of ocean. Food and shelter were hard to come by, even on land. This book documents how these settlers adapted culturally and biologically to the Pacific environment, and how this can explain the patterns seen today in New Zealand, Polynesia, Micronesia, and Melanesia. The book discusses the distinctive Pacific environment and how its inhabitants have evolved into large-bodied, muscular people to meet the particular demands of the region. People of the Great Ocean is a uniquely original work based on extensive research and careful analysis. Houghton's text presents detailed technical information, but remains highly readable and persuasive.

Toward a Global PhD? Maresi Nerad 2011-12-01 Universities and nations have long recognized the direct contribution of graduate education to the welfare of the economy by meeting a range of research and employment needs. With the burgeoning of a global economy in the twentieth and twenty-first centuries, the economic outcome of doctoral education reaches far beyond national borders. Many doctoral programs in the United States and throughout the world are looking for opportunities to equip students to work in transnational settings, with scientists and researchers located across the globe. Nations competing within this global economy often have different and not always compatible motives for supporting graduate training. In this volume, graduate education experts explore some of the tensions and potential for cooperation between nations in the realm of doctoral education. The contributors assess graduate education in different systems around the world, including Australia, Brazil, Canada, Germany, India, Japan, Mexico, the Nordic countries, South Africa, the United Kingdom, and the United States. Many factors motivate the need for a global understanding of doctoral education, including the internationalization of the labor market and global competition, the expansion of opportunities for doctoral education in smaller and developing nations, and a declining interest among international students in pursuing their graduate education in the United States.

Tibet, Past & Present Sir Charles Alfred Bell 1924

Angels, Miracles, and Heavenly Encounters 2012-06-01 Inspiring True Stories of God’s Intervention in Lives Today These inspiring real-life stories explore what happens when people encounter spiritual forces, and how their lives are undeniably changed. This dramatic collection includes accounts of contact with angels, near-death experiences, powerful prayer testimonies, and unexplainable miracles. Every story displays the victory of Christ and his kingdom over difficult circumstances and opposing forces. The outcomes include increased faith, a sense of the loving providence of God, a realigning of priorities, and a greater desire to share the gospel. In turn, the reader’s faith will be strengthened knowing that if God can steer individuals through these unknown territories, he certainly will care for their everyday lives.

Osteosarcopenia Gustavo Duque 2022-03-17 Falls, fractures, frailty, osteoporosis and sarcopenia are highly prevalent in older persons. While the concept of osteosarcopenia is new, it is a rapidly evolving and cross-disciplinary problem. Prevention and treatment are challenging and a combined therapeutic approach is needed. Osteosarcopenia provides evidence-based information on how to prevent and treat these conditions at multiple settings, including multiple illustrations, care pathways and tips to easily understand the pathophysiology, diagnostic methods and therapeutic approach to these conditions. This work evaluates the potential for a link between osteoporosis, sarcopenia and obesity. Presents diagnostic and therapeutic tips that facilitate the design and implementation of new care pathways, impacting the wellbeing of our older population Provides cross-disciplinary understanding by experts from the bone/osteoporosis field and the muscle/sarcopenia field Covers muscle and bone biology, mesenchymal stem cells, age-related changes and cross-talk between muscle, fat and bone, falls and fracture risk, glucose metabolism, diagnosis, imaging, and genetics of osteosarcopenia

GMAT Official Guide 2018 Verbal Review: Book + Online GMAC (Graduate Management Admission Council) 2017-06-19 “The only source of real GMAT questions from past exams”--Cover.

Art as a Thinking Process Mara Ambrozić 2013 What is the contemporary relationship between art and thought,

Strategic Sanitation Approach Darren Saywell 1998 This document reports findings from Phase 1 of a Department for International Development (DFID) funded project (R6875) concerning the development of practical guidelines for the application of the Strategic Sanitation Approach in urban areas. Results from a review of literature are discussed. The purpose of the review is to examine how the key concepts underlying the Strategic Sanitation Approach (SSA) have been addressed in operational terms on the ground, highlighting examples where SSA ideas have been applied, what problems were identified in their application, and what issues require further consideration or clarification with the approach as a whole. Each section ends by abstracting the key points identified and posing questions which remain unresolved.

Parameter Setting in Evolutionary Algorithms F.J. Lobo 2007-03-16 One of the main difficulties of applying an evolutionary algorithm (or, as a matter of fact, any heuristic method) to a given problem is to decide on an appropriate set of parameter values. Typically these are specified before the algorithm is run and include population size, selection rate, operator probabilities, not to mention the representation and the operators themselves. This book gives the reader a solid perspective on the different approaches that have been proposed to automate control of these parameters as well as understanding their interactions. The book covers a broad area of evolutionary computation, including genetic algorithms, evolution strategies, genetic programming, estimation of distribution algorithms, and also discusses the issues of specific parameters used in parallel implementations, multi-objective evolutionary algorithms, and practical consideration for real-world applications. It is a recommended read for researchers and practitioners of evolutionary computation and heuristic methods.

Anaerobic Digestion of Biowaste in Developing Countries Christoph Lüthi 2014

Great Liberal Speeches Duncan Brack 2001 This volume provides a feast of oratory from the last two centuries and will form an important reference for politicians and historians. Each speech is set in context.

Dancing the Dream Jamie Sams 1999-05-05 FIND YOUR SACRED PATH Widely recognized as one of the foremost teachers of Native American wisdom, Jamie Sams reveals the seven sacred paths of human spiritual development and explains how exploring each path leads to shifts in our personal relat

Biogas Science and Technology Georg Gübitz 2015-09-03 Michael Lebuhn, Stefan Weiß, Bernhard Munk, Georg M. Guebitz Microbiology and Molecular Biology Tools for Biogas Process Analysis, Diagnosis and Control Veronika Dölhofer, Sabine Marie Podmireg, Tony Martin Callaghan, Gareth Wyn Griffith & Katerina Fliegerová Anaerobic Fungi and their Potential for Biogas Production Bianca Frösche, Monika Heiermann, Michael Lebuhn, Ute Messelhäusser, Matthias Plöchl Hygiene and Sanitation in Biogas Plants Charles-David Dubé and Serge R. Guiot Direct Interspecies Electron Transfer in Anaerobic Digestion: A Review Simon K.-M. R. Rittmann A Critical Assessment of Microbiological Biogas to Biomethane Upgrading Systems Manfred Lübken, Pascal Kosse, Konrad Koch, Tito Gehring, Marc Wichern Influent Fractionation for Modeling Continuous Anaerobic Digestion Processes Feroso, F. G, van Hullebusch, E. D, Guibaud, G, Collins, G, Svensson, B. H, Carliell-Marquet, C, Vink, J.P.M, Esposito, G, Frunzo, L Fate of Trace Metals in Anaerobic Digestion

Extraordinary Circumstances Cynthia Cooper 2010-06-03 The longer WorldCom Chief Audit Executive Cynthia Cooper stares at the entries in front of her, the more sinister they seem. But the CFO is badgering her to delay her team’s audit of the company’s books and directing others to block Cooper’s efforts. Still, something in the pit of her stomach tells her to keep digging. Cooper takes readers behind the scenes on a riveting, real-time journey as she and her team work at night and behind closed doors to expose the largest fraud in corporate history. Whom can they trust? Could she lose her job? Should she fear for her physical safety? In *Extraordinary Circumstances*, she recounts for the first time her journey from her close family upbringing in a small Mississippi town, to working motherhood and corporate success, to the pressures of becoming a whistleblower, to being named one of Time’s 2002 Persons of the Year. She also provides a rare insider’s glimpse into the spectacular rise and fall of WorldCom, a telecom titan, the darling of Wall Street, and a Cinderella story for Mississippi. With remarkable candor, Cooper discusses her struggle to overcome these challenges, and how she has found healing through sharing the lessons learned with the next generation. This book reminds us all that ethical decision-making is not forged at the crossroads of major events but starts in childhood, "decision by decision and brick by brick." At a time when corporate dishonesty is dominating public attention, *Extraordinary Circumstances* makes it clear that the tone set at the top is critical to fostering an ethical environment in the work-place. Provocative, moving, and intensely personal, *Extraordinary Circumstances* is a wake-up call to corporate leaders and an intimate glimpse at a scandal that shook the business world.

Indian Foreign Policy and the Border Dispute with China Willem Frederik Eekelen 2013-12-11

Artistic Research Annette W. Balkema 2004 Advanced art education is in the process of developing research programs throughout Europe. What does the term research actually means in the practice of art? What is the relation to the scientific methods of alpha, beta or gamma sciences, directed toward knowledge production and the development of a certain scientific domaine? What will be the influence of scientific research on the art forms?

Gotti’s Rules George Anastasia 2015-01-27 From the New York Times bestselling author of Blood and Honor and The Last Gangster—“one of the most respected crime reporters in the country” (60 Minutes)—comes the sure to be headline-making inside story of the Gotti and Gambino families, told from the unique viewpoint of notorious mob hit-man John Alite, a close associate of Junior Gotti who later testified against him. In Gotti’s Rules, George Anastasia, a prize-winning reporter who spent over thirty years covering crime, offers a shocking and very rare glimpse into the Gotti family, witnessed up-close from former family insider John Alite. John Gotti Jr.’s longtime friend and protector. Until now, no one has given up the kind of personal details about the Gottis—including the legendary “Gotti Rules” of leadership—that Anastasia exposes here. Drawing on extensive FBI files and other documentation, his own knowledge, and exclusive interviews with insiders and experts, including mob-enforcer-turned-government-witness Alite, Anastasia pokes holes in the Gotti legend, demystifying this notorious family and its lucrative and often deadly machinations. Anastasia offers never-before-heard information about the murders, drug dealing, and extortion that propelled John J. Gotti to the top of the Gambino crime family and the treachery and deceit that allowed John A. “Junior” Gotti to follow in his father’s footsteps. Told from street level and through the eyes of a wiseguy who saw it all firsthand, the result is a riveting look at a family whose hubris, violence, passion, and greed fueled a bloody rise and devastating fall that is still reverberating through the American underworld today. Gotti’s Rules includes 8 pages of black-and-white photographs.

Body Image, Eating, and Weight Massimo Cuzzolaro 2018-11-03 This book equips readers with the knowledge required to improve diagnosis and treatment and to implement integrated prevention programs in patients with eating and weight disorders. It does so by providing a comprehensive, up-to-date review of research findings and theoretical assumptions concerning the interface and interactions between body image and such disorders as anorexia nervosa, bulimia nervosa, binge eating disorder, other specified feeding and eating disorders, orthorexia nervosa, overweight, and obesity. After consideration of issues of definition and classification, the opening part of the book examines the concept of body image from a variety of viewpoints. A series of chapters are then devoted to the assessment of the multidimensional construct “body image”, to dysmorphophobia/body dysmorphic disorder, and to muscle dysmorphia. The third part discusses body image in people suffering from different eating disorders and/or overweight or obesity, and two final chapters focus on body image in the integrated prevention of eating disorders and obesity, and cultural differences regarding body image. The book will be of interest to all health professionals who work in the fields of psychiatry, clinical psychology, eating disorders, obesity, body image, adolescence, public health, and prevention.

Mobile Web 2.0 Syed A. Ahson 2010-12-07 From basic concepts to research grade material, Mobile Web 2.0: Developing and Delivering Services to Mobile Devices provides complete and up-to-date coverage of the range of technical topics related to Mobile Web 2.0. It brings together the work of 51 pioneering experts from around the world who identify the major challenges in Mobile Web 2.0 applications and provide authoritative insight into many of their own innovations and advances in the field. To help you address contemporary challenges, the text details a conceptual framework that provides modeling facilities for context-aware, multi-channel Web applications. It compares various platforms for developing mobile services—from the developer and user perspectives—and explains how to use high-level modeling constructs to drive the application development process through automatic code generation. Proposes an expanded model of mobile application context Explores mobile social software as an Information and Communications Technology (ICT) Discusses the effect of context on mobile usability Through empirical study, the book tests a number of hypotheses on the use of software implementation technology and location context in mobile applications. It introduces Reusable End-User Customization (REUC)—a technique that allows users to adapt the layout of Web pages and automatically reapplies those preferences on subsequent visits. It also investigates the need for non-visual feedback with long system response times, particularly when downloading Web pages to mobile devices.

An Introduction to Real Estate Finance Edward Glickman 2013-10-14 An Introduction to Real Estate Finance serves as the core of knowledge for a single-semester first course in real estate finance. Unlike other real estate finance textbooks, with their encyclopedic but often stale details, it combines a short traditional text with a living website. The book gives students and professors highly applied information, and its regularly updated online features makes it especially useful for this practitioner-oriented audience. It covers fundamental topics such as accounting and tax, mortgages, capital markets,

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REITs and more. It also addresses the 2008 financial crisis and its impact on the real estate profession. This text is a valuable companion for students of real estate finance as well as financial analysts, portfolio managers, investors and other professionals in the field. Offers a concise, efficient, “finance-centric” alternative to traditional real estate finance texts Website gives readers the tools to find current information about their own areas of specialization—a unique approach not found in other real estate finance textbooks Gives students and professors the material to examine every subject in broad and highly detailed terms

Explanatorium of Nature DK 2017-10-03 Get closer to nature than you’ve ever been before with this jaw-dropping guide to our wonderful world. Marvel at the breathtaking photography showcasing flora and fauna in the most incredible, intricate detail. From ants to elephants, the animal kingdom is explored and explained in this extraordinary encyclopedia that puts you at the heart of the action. See the tiny spines on a stinging nettle, watch lichen spreading over a tree, and observe the secret suckers on an iguana’s feet. The mysteries of the natural world are displayed in brand new images, together with cross-sections, macro, and electron microscope images. Alongside the utterly absorbing visual content, Explanatorium of Nature brings its own fountain of knowledge about how nature works. For instance, did you know baby foxes that are born with blue eyes turn to gold? Or that reptile scales are made from the same material as your fingernails? Discover how spiders spin webs, how birds fly, how snakes kill, and much, much more. This irresistible ebook is a guaranteed favorite for animal lovers, nature enthusiasts, and budding wildlife experts everywhere.

Handbook of Research and Policy in Art Education Elliot W. Eisner 2004-04-12 The Handbook of Research and Policy in Art Education marks a milestone in the field of art education. Sponsored by the National Art Education Association and assembled by an internationally known group of art educators, this 36-chapter handbook provides an overview of the remarkable progress that has characterized this field in recent decades. Organized into six sections, it profiles and integrates the following elements of this rapidly emerging field: history, policy, learning, curriculum and instruction, assessment, and competing perspectives. Because the scholarly foundations of art education are relatively new and loosely coupled, this handbook provides researchers, students, and policymakers (both inside and outside the field) an invaluable snapshot of its current boundaries and rapidly growing content. In a nutshell, it provides much needed definition and intellectual respectability to a field that as recently as 1960 was more firmly rooted in the world of arts and crafts than in scholarly research.

Why David Sometimes Wins Marshall Ganz 2010-09-30 *Why David Sometimes Wins* tells the story of Cesar Chavez and the United Farm Workers' groundbreaking victory, drawing important lessons from this dramatic tale. Offering insight from a longtime movement organizer and scholar, Ganz illustrates how they had the ability and resourcefulness to devise good strategy and turn short-term advantages into long-term gains.

Biogas Technology Liangwei Deng 2020-05-28 This book focuses on agricultural waste treatment and renewable energy production from the perspective of anaerobic digestion. It covers topics on anaerobic digestion processes and practices in various types of biogas plant construction and management and systematically addresses the principle and main features of three kinds of anaerobic digestion systems: household digesters, biogas septic tanks, and biogas plants. Instructive, informative and easy to understand, the book offers a valuable asset for researchers, technicians, graduate students and managerial personnel working in the areas of renewable energy, agricultural ecological engineering and the treatment and utilization of agricultural wastes.

Globalization East and West Bryan S Turner 2010-03-25 “A wide-ranging, significant contribution.” - Göran Therborn, Cambridge University “A lively, well-informed, and accessible guide through the dynamics and complexities of globalization.” - Robert Holton, Trinity College, Dublin “This is an excellent text on globalisation. It is theoretically sophisticated, critically engaging, and empirically comprehensive... perfect for courses on globalisation within sociology programmes in particular.” - Andrew Kirton, Liverpool University Do we confuse globalization for Americanization? What are the distinctive elements in the interplay of the local and the global? This book examines globalization from the perspective of both the West and the East. It considers globalization as a general social and economic process, and the challenges it presents for Western social science. The meaning of a global perspective is explored through various concrete examples: religion, migration, medicine, terrorism, global disasters, citizenship, multiculturalism, media and popular culture. Introduced with a forword from Roland Robertson, the book is brimming with novel interpretations and fresh insights that will contribute to illuminating the practical realities of globalization.

What Do Artists Know? James Elkins 2012 “Brings together historians, philosophers, critics, curators, artists, and educators to ask how art is and should be taught. Explores the theories that underwrite art education at all levels, the pertinent history of art education, and the most promising current conceptualizations”--Provided by publisher.

Differential Diagnosis and Management for the Chiropractor: Protocols and Algorithms Thomas Souza 2009-10-07 The Fourth Edition of this best-selling reference is a compendium of evidence-based approaches to the most common presenting complaints. Covering both musculoskeletal and visceral complaints, this text is intended to direct the chiropractor toward an appropriate plan of approach in both diagnostic evaluation and care. Highlighting these approaches are flowcharts (algorithms), relevant historical questioning, and summaries of common conditions related to the presenting complaint.

The Shanidar Neandertals Erik Trinkaus 2014-05-10 The Shanidar Neandertals describes the functional morphology of the Neanderthals and their place in human evolution based on a paleontological study of fossils discovered at Shanidar Cave in northeastern Iraq. Functional interpretations are provided that describe and discuss the individual fossils. The phylogenetic implications of the Shanidar specimens are also discussed. Comprised of 14 chapters, this book begins with an overview of the Neanderthal remains from the Shanidar Cave and the paleontological data obtained from the fossils. The discussion then turns to the history of the excavations in Shanidar Cave and the discoveries of the Neanderthals; morphometrics of the Shanidar remains; and determination of the age and sex of the Shanidar Neanderthals. Subsequent chapters focus on various aspects of the Neanderthal fossils, including the cranial and mandibular remains; the dental remains; the axial skeleton; and the upper and lower limb remains. The immature remains are also described, along with bodily proportions and the estimation of stature. This monograph will be of interest to archaeologists, anthropologists, paleontologists, and paleoanthologists.

Wives of Fame Edna Healey 2011-12-01 Here are portraits of three very different Victorian women, all of whom married men of exceptional talent, energy and genius. To be the wife of such frenetic, explosive characters as David Livingstone, Karl Marx or Charles Darwin, especially at this period in history, demanded rare qualities. Yet the late twentieth-century view of these women is perhaps best summed up in the frequently heard comment: 'I didn't know he had a wife.' The mid-nineteenth century was a time of unprecedented movement and upheaval. The revolutions of 1848 set Europe ablaze and sent swarms of political dissidents to seek freedom outside their homelands. Britain and her Empire were ruled by a young Queen Victoria, inspired by her enterprising, vigorous consort, Albert; it was a climate in which invention and discovery were encouraged. Men were creating new frontiers, both geographically and intellectually, and where they went their wives and families accompanied them.

Forensic Accounting and Fraud Examination Mary-Jo Kranacher 2019-05-14 Forensic Accounting and Fraud Examination introduces students and professionals to the world of fraud detection and deterrence, providing a solid foundation in core concepts and methods for both public and private sector environments. Aligned with the National Institute of Justice (NIJ) model curriculum, this text provides comprehensive and up-to-date coverage of asset misappropriation, corruption, fraud, and other topics a practicing forensic accountant encounters on a daily basis. A focus on real-world practicality employs current examples and engaging case studies to reinforce comprehension, while in-depth discussions clarify technical concepts in an easily reliable style. End of chapter material and integrated IDEA and Tableau software cases introduces students to the powerful, user-friendly tools accounting professionals use to maximize auditing and analytic capabilities, detect fraud, and comply with documentation requirements, and coverage of current methods and best practices provides immediate relevancy to real-world scenarios. Amidst increased demand for forensic accounting skills, even for entry-level accountants, this text equips students with the knowledge and skills they need to successfully engage in the field.

Canine and Feline Nephrology and Urology Dennis J. Chew 2011 Rev. ed. of: Manual of small animal nephrology and urology / Dennis J. Chew, Stephen P. DiBartola. New York: Churchill Livingstone, 1986.
Osteoporosis Christine Jung 2013-01-01 Osteoporosis can be intimidating and inhibiting. The prospect that a simple fall could break your hip or wrist can make you watch every step you take. Fear can replace the freedom to do all the things you love. The two major risk factors for osteoporosis are being a woman and having passed through menopause. In the years after menopause, women can lose up to one-fifth of their bone mass. But men aren't immune to the disease. Two million American men have osteoporosis and one in four over age 50 will suffer an osteoporosis-related fracture. In Osteoporosis: A guide to prevention and treatment, Harvard Medical School doctors will show you the positive, proactive, and practical steps you can take to protect your bones now and in the years ahead. You will be alerted to red flags that signal you're at greater risk for a broken bone. You'll be warned about medications that hasten bone loss. And you'll find out if you should have your bone density checked — and which tests are the best. The report will show you the importance of getting calcium from food and vitamin D from sunlight. You'll learn about other bone-protective strategies, too, including specific exercise routines, and discover some surprising foods that help weaken bones. Osteoporosis is not inevitable. The good news is there's a lot you can do to shield your bones from this disease. And the sooner you act, the better off you — and your bones — will be.

Foundations of Tourism Norma Polovitz Nickerson 1996 For introductory courses in Tourism, Hospitality Management, Travel, or Recreation in two and four year and proprietary schools. Unusually comprehensive in scope and depth, this introduction to tourism provides balanced coverage of the WHOLE range of components within the tourism industry. It explores all aspects of both the private and public businesses related to tourism e.g., theories, planning, environmental concerns, operations, and the interrelationships among the many tourism businesses.

Research in Art and Design Christopher Frayling 1993

Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice - E-Book Stephen P. DiBartola 2011-06-01 The leading reference for the diagnosis and management of fluid, electrolyte, and acid-base imbalances in small animals, Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice, 4th Edition provides cutting-edge, evidence-based guidelines to enhance your care of dogs and cats. Information is easy to find and easy to use, with comprehensive coverage including fluid and electrolyte physiology and pathophysiology and their clinical applications, as well as the newest advances in fluid therapy and a discussion of a new class of drugs called vaptans. Lead author Stephen DiBartola is a well-known speaker and the “go-to” expert in this field, and his team of contributors represents the most authoritative and respected clinicians and academicians in veterinary medicine. Over 30 expert contributors represent the “cream of the crop” in small animal medicine, ensuring that this edition provides the most authoritative and evidence-based guidelines. Scientific, evidence-based insights and advances integrate basic physiological principles into practice, covering patient evaluation, differential diagnosis, normal and abnormal clinical features and laboratory test results, approaches to therapy, technical aspects of therapy, patient monitoring, assessing risk, and prediction of outcomes for each disorder. Hundreds of tables, algorithms, and schematic drawings demonstrate the best approaches to diagnosis and treatment, highlighting the most important points in an easy-access format. Drug and dosage recommendations are included with treatment approaches in the Electrolyte Disorders section. Clear formulas in the Fluid Therapy section make it easier to determine the state of dehydration, fluid choice, and administration rate and volume in both healthy and diseased patients. Updated chapters cover the latest advances in fluid therapy in patient management, helping you understand and manage a wide range of potentially life-threatening metabolic disturbances. Expanded Disorders of Sodium and Water chapter includes information on a new class of drugs called vaptans, vasopressin receptor antagonists that may soon improve the ability to manage patients with chronic hyponatremia. Hundreds of new references cover the most up-to-date advances in fluid therapy, including renal failure and shock syndromes.

Osteosarcopenia: Bone, Muscle and Fat Interactions Gustavo Duque 2019-11-06 This edited work presents the most current evidence on osteosarcopenia from bench to bedside, which is expected to facilitate the understanding of this syndrome and to develop preventive and therapeutic strategies. With our aging population, chronic diseases such as osteoporosis and sarcopenia are becoming highly prevalent. Fortunately, our understanding of the bone and muscle interactions has increased in recent years. This has allowed to the coining of the term osteosarcopenia to describe a syndrome in which these two diseases overlap. This overlap between osteoporosis and sarcopenia has major negative effects not only on our older adults but also on health systems worldwide. Readers will find a highly translational approach that starts with a summary of recent discoveries on stem cells biology, muscle and bone interactions - including the role of local bone and muscle fat - followed by comprehensive reviews on myokines (i.e. myostatin), osteokines (i.e. osteocalcin) and adipokines (i.e. interleukins) as major players and determinants of bone and muscle loss with aging. In addition, the role of sex steroids (i.e. estrogens, androgens), and calcitropic hormones (i.e. parathyroid hormone, vitamin D) in the pathogenesis of this syndrome is also reviewed. Moreover, using practical diagnostic and therapeutic tips, this book summarizes the clinical characteristics of osteosarcopenic patients thus facilitating the diagnosis and treatment of this syndrome in clinical practice. Finally, the book presents the case for the Falls and Fractures Clinic as the optimal model of care for this syndrome, aimed to avoid fragmentation and optimize osteosarcopenia care, and simultaneously prevent falls and fractures in older persons. This book offers relevant information on the mechanisms of osteosarcopenia, and a practical guide on how to identify and treat this geriatric syndrome and its adverse outcomes, which are dramatically affecting our aging population. The work is written by leaders in the field and is especially suited not only to any researcher in the musculoskeletal arena but also to medical specialists and allied health professionals involved in the care of older persons.

BetterPhoto Basics Jim Miotke 2011-02-09 Absolutely anyone can take better photos! If you can press a button, you can take great pictures. It's as simple as that. In BetterPhoto Basics, Jim Miotke, founder of the popular online photography school BetterPhoto.com, shares tips and tricks to improve your photos right away, no matter what camera you're using. Too busy to read a book? No problem—flip to any page for an instant tip to use right away! Learn to compose knockout shots, make the most of indoor and outdoor light, and photograph twenty popular subjects, from sunsets and flowers to a family portrait. Those who want to go further get tips on controlling exposure and the secrets behind ten advanced creative techniques. And everyone will appreciate Jim's breakdown of easy fixes to make in Photoshop. No matter what your level of experience, you'll be amazed how easy it is to start taking photos like the pros.

Intelligent Computing, Communication and Devices Lakshmi C. Jain 2014-08-25 In the history of mankind, three revolutions which impact the human life are tool-making revolution, agricultural revolution and industrial revolution. They have transformed not only the economy and civilization but the overall development of the human society. Probably, intelligence revolution is the next revolution,

which the society will perceive in the next 10 years. ICCD-2014 covers all dimensions of intelligent sciences, i.e. Intelligent Computing, Intelligent Communication and Intelligent Devices. This volume covers contributions from Intelligent Computing, areas such as Intelligent and Distributed Computing, Intelligent Grid & Cloud Computing, Internet of Things, Soft Computing and Engineering Applications, Data Mining and Knowledge discovery, Semantic and Web Technology, and Bio-Informatics. This volume also covers paper from Intelligent Device areas such as Embedded Systems, RFID, VLSI Design & Electronic Devices, Analog and Mixed-Signal IC Design and Testing, Solar Cells and Photonics, Nano Devices and Intelligent Robotics.

The Pleasure of Research Henk Slager 2015-04-01 Delves into issues such as knowledge production, artistic thinking, medium-specificity, and context-responsiveness. How do these issues connect to the current state of art education and artistic research? A starting point for the publication is a series of curatorial projects by Henk Slager in various parts of the world: 'Flash Cube' (Leeum Seoul 2007), 'Trans Local Motion' (Shanghai Biennale 2008), 'Nameless Science' (Apexart New York 2009), 'As the Academy Turns' (Manifesta 2010), 'Any Medium Whatever' (Venice Biennale 2011), 'Doing Research' (Documenta 2012), 'Offside Effect' (Tbilisi Triennial 2012), 'Joyful Wisdom' (Istanbul Biennale 2013), and Aesthetic Jam (Taipei Biennale 2014). The author argues that artistic research should foreshadow a *gaya scienza*: a temporary autonomous activity where intellectual pleasure and an experimental method invigorate forms of research and thought.