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The Playbook: A 1996 Draft Day Guide and Workbook, Brian Bearden, David Thomas, Bearden Company, 1996, 0963852531, 9780963852533, . .

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This book is the first significant contribution to thoroughly examine the potential hazards associated with snakes of the former family, Colubridae. This family contained >65% of living snake species (approximately 3,000 taxa) and has recently been split into multiple families. Many of these snakes produce oral secretions that contain toxins and other biologically-active substances. A large variety of these snakes figure in the pet industry, yet little documented information or formal study of their potential medical importance has been published. Therefore, although the possible medical importance of many of these species has been subjected to speculation since the mid-nineteenth century, there is a limited amount of useful descriptive information regarding the real hazard (or lack thereof) of snakes belonging to this diverse, artificial family. There is a need for "one-stop shopping" offering information regarding their possible toxicity and clinical relevance as well as recommendations for medical management of their bites. This book is the first synthesis of this information and includes evidence-based risk assessment, hazard rankings and specific recommendations regarding important species, many common in captivity. Fills a gap in the toxinological, medical and herpetological literature by providing a comprehensive review of this entire assemblage of snakes, with particular attention given to their capacity, real or rumored, to cause harm to humans. A patient-centered, evidence-based approach is applied to analyzing documented case reports of bites inflicted by approximately 100 species. Clinical management of medically significant bites from non-front-fanged colubroids is methodically reviewed, and specific recommendations are provided.

Free-Living Protozoa with Endosymbiotic Methanogens / Tom Fenchel and Bland J. Finlay -- Anaerobic Ciliates and Their Methanogenic Endosymbionts / Johannes H. P. Hackstein -- Symbiotic Methanogens and Rumen Ciliates / Kazunari Ushida -- The Methanogenic and Eubacterial Endosymbionts of *Trimyema* / Naoya Shinzato and Yoichi Kamagata -- Termite Gut Flagellates and Their Methanogenic and Eubacterial Symbionts / Yuichi Hongoh and Moriya Ohkuma -- Methanogens in the Digestive Tract of Termites / Andreas Brune -- Methanogenic Archaea in Humans and Other Vertebrates / Everly Conway de Macario and Alberto J. L. Macario -- Methanogens in the Gastro-Intestinal Tract of Animals / Johannes H. P. Hackstein and Theo A. van Alen -- Syntrophy in Methanogenic Degradation / Petra Worm, Nicolai M<sup>1</sup>/<sub>4</sub>ller, Caroline M. Plugge, Alfons J. M. Stams and Bernhard Schink -- Hydrogenosomes / Johannes H. P. Hackstein and Aloysius G. M. Tielens -- Evolution of Prokaryote-Animal Symbiosis from a Genomics Perspective / Rosario Gil, Amparo Latorre and Andr<sup>1</sup>/<sub>4</sub>s Moya.

Pioneering surgeon Dr. Denton Cooley performed his first human heart transplant in 1968 and astounded the world in 1969 when he was the first surgeon to successfully implant a totally artificial

heart in a human being. Over the course of his career, Cooley and his associates have performed thousands of open heart operations and have been forerunners in implementing new surgical procedures. Of all his achievements, however, Cooley is most proud of the Texas Heart Institute, which he founded in 1962 with a mission to use education, research, and improved patient care to decrease the devastating effects of cardiovascular disease. In his new memoir, *100,000 Hearts*, Cooley tells about his childhood in Houston and his experiences as a basketball scholarship recipient at the University of Texas. After medical school at the University of Texas Medical Branch in Galveston and Johns Hopkins, Cooley served in the Army Medical Corps. While at Johns Hopkins, Cooley assisted in a groundbreaking operation to correct an infant's congenital heart defect, which inspired him to specialize in heart surgery. Cooley's detailed descriptions of what it was like to be in the operating room at crucial points in medical history offer a fascinating perspective on how far medical science has progressed in just a few decades. Dr. Denton Cooley and the Texas Heart Institute are responsible for much of that progress.

About this book -- Working in Office -- Common tasks in Office -- Viewing and editing text in Word -- Formatting in Word -- Working with special content in Word -- Working in Excel -- Analyzing and presenting data in Excel -- Creating a PowerPoint presentation -- Presenting a PowerPoint slide show -- Working with messages in Outlook -- Organizing with Outlook -- Creating a publication in Publisher -- Working in Access -- Exchanging information among Office programs -- Customizing and securing Office.

"This book is based upon cutting-edge research conducted in the authors lab (Cellular Bioengineering), which over the past decade has developed a number of sophisticated techniques to facilitate use of 3D cell based assays or biosensors. This book uses data from peer-reviewed publications to conclusively justify use of 3D cell cultures in cell-based biosensors (assays) for (HTS). The majority of assays performed in accelerated drug discovery processes are biochemical in nature, but there is a growing demand for live cell-based assays. Unlike biochemical ones, cellular assays are functional approximations of in vivo biological conditions and can provide more biologically relevant information"--Provided by publisher.

"This new addition to The 5-Minute Consult Series is a clinically oriented quick consult reference for sports medicine. For the first time, common sports-related problems faced by primary care practitioners are thoroughly and concisely presented in the famous fast-access 5-Minute Consult format. Chapters on musculoskeletal problems cover basics; diagnosis; acute treatment, including on-field management; long-term treatment, including rehabilitation and referrals; and commonly asked questions. Other chapters address the special populations of children, adolescents, females, geriatric athletes, and disabled athletes and general medical problems in athletic individuals. Appendices include clinical care algorithms, a guide to the preparticipation examination, and patient education handouts"--Provided by publisher.

Getting started as a Grant writer -- Finding and securing a Grant-writing position -- Expertise -- Research -- Managing relationships -- Writing -- Organizing information -- Queries and short proposals -- Proposals for projects, programs, or bricks and mortar -- Proposals for endowment support -- Federal Grants -- Managing Grant awards.

The aim of this new edition is to present information about neurological disorders in a structured and succinct way, following a "trickle down" principle: beginning with overviews and then moving on to specific disease categories. The latter address clinical features (i.e., information accessed by history-taking and physical examination), investigations, differential diagnosis, treatment, and prognosis. Cross-references to the Online Mendelian Inheritance in Man (OMIM) database have been given where relevant. --Preface excerpt.

Applying educational theory in practice / David M. Kaufman -- Course design / John Bligh and Julie Brice -- Collaborative learning / Diana Wood -- Evaluation / Jillian Morrison -- Teaching large groups / Peter Cantillon -- Teaching small groups / David Jaques -- Feedback in medical education : skills for improving learner performance / Joan Sargeant and Karen Mann -- Learning and teaching in the clinical environment / John Spencer -- Written assessment / Lambert W.T. Schuwirth and Cees P.M.

van der Vleuten -- Skill-based assessment / Val Wass -- Work-based assessment / John Norcini and Eric Holmboe -- Direct observation tools for workplace-based assessment / Peter Cantillon and Diana Wood -- Learning environment / Jill Thistlethwaite -- Creating teaching materials / Jean Ker and Anne Hesketh -- Learning and teaching professionalism / Sylvia R. Cruess and Richard L. Cruess -- Making it all happen : faculty development for busy teachers / Yvonne Steinert -- Supporting students in difficulty / Dason Evans and Jo Brown.

Topographical aspects of behavior -- Observing behavior: when, where, and how much? -- Knowing your ABCs -- Learning by association: respondent conditioning -- Learning by consequences: operant conditioning -- Operant conditioning: stimulus control -- Learning by relational framing: language and cognition -- Applying your ABCs -- Functional knowledge -- Dialogue toward change -- Principles and practices -- Principles of treatment: one -- Principles of treatment: two.

A Brief Introduction to the History of the  $\beta$ -Amyloid Protein ( $A\beta$ ) of Alzheimer's Disease / David Small and Colin Barrow -- The  $A\beta$ -centric Pathway of Alzheimer's Disease / Victor Villemagne, Roberto Cappai, Kevin Barnham, Robert Cherny, Carlos Opazo, Kathy Novakovic, Christopher Rowe and Colin Masters -- The Function of the Amyloid Precursor Protein Family / Roberto Cappai, B. Elise Needham and Giuseppe Ciccotosto -- The Involvement of  $A\beta$  in the Neuroinflammatory Response / Piet Eikelenboom, Willem van Gool, Annemieke Rozemuller, Wiep Scheper, Rob Veerhuis and Jeroen Hoozemans -- Amyloid  $\beta$ -Peptide(1-42), Oxidative Stress, and Alzheimer's Disease / D. Butterfield -- Amyloid Toxicity, Synaptic Dysfunction, and the Biochemistry of Neurodegeneration in Alzheimer's Disease / Judy Ng, Marie-Isabel Aguilar and David Small --  $A\beta$  Variants and Their Impact on Amyloid Formation and Alzheimer's Disease Progression / Laszlo Otvos -- Copper Coordination by  $\beta$ -Amyloid and the Neuropathology of Alzheimer's Disease / Cyril Curtain and Kevin Barnham -- Cholesterol and Alzheimer's Disease / Joanna Cordy and Benjamin Wolozin -- Amyloid  $\beta$ -Peptide and Central Cholinergic Neurons: Involvement in Normal Brain Function and Alzheimer's Disease Pathology / Satyabrata Karn, Z. Wei, David MacTavish, Doreen Kabogo, Mee-Sook Song and Jack Jhamandas -- Physiologic and Neurotoxic Properties of  $A\beta$  Peptides / Gillian Gregory, Claire Shepherd and Glenda Halliday -- Impact of  $\beta$ -Amyloid on the Tau Pathology in Tau Transgenic Mouse and Tissue Culture Models / Jürgen Götz, Della David and Lars Ittner -- Glial Cells and  $A\beta$  Peptides in Alzheimer's Disease Pathogenesis / Gilbert Siu, Peter Clifford, Mary Kosciuk, Venkat Venkataraman and Robert Nagele -- The Role of Presenilins in  $A\beta$ -Induced Cell Death in Alzheimer's Disease / Maria Ankarcona -- Immunotherapeutic Approaches to Alzheimer's Disease / Josef Karkos -- Mouse Models of Alzheimer's Disease / Dwight German.

Secular trend of timing of puberty / Delemarre-Van de Waal, H.A. -- Fetal nutrition and timing of puberty / van Weissenbruch, M.M. ... [et al.] -- Adrenal function of low-birthweight children / Ong, K. -- Puberty and fertility in congenital adrenal hyperplasia / Otten, B.J. ... [et al.] -- Molecular genetics of isolated hypogonadotropic hypogonadism and Kallmann syndrome / Karges, B., de Roux, N. -- Hypothalamic hamartoma: a paradigm/model for studying the onset of puberty / Jung, H., Parent, A.-S., Ojeda, S.R. -- Gonadotropin-releasing hormone analogue treatment for precocious puberty: twenty years of experience / Heger, S., Sippell, W.G., Partsch, C.-J. -- Very long-term follow-up of girls with early and late menarche / Johansson, T.; Ritz, N.E.M. -- Polycystic ovary syndrome in adolescence: new insights in pathophysiology and treatment / Homburg, A. -- Reversing sex steroid deficiency and optimizing skeletal development in the adolescent with gonadal failure / Vanderschueren, D., Vandendput, L., Boonen, S. -- Present and future options for the preservation of fertility in female adolescents with cancer / Beerendonk, C.M.; Braat, D.M.

Ingredients of the simplest cells (prokaryotes and the sizes of their contents) -- Bigger cells (eukaryotic cells and their contents) -- Hives of industry (a survey of intermediary metabolism) -- Delights of transport (how the cell's contents are moved around) -- As if standing still (cellular homeostasis and regulatory processes) -- Internal state and gene expression (transcription and its control) -- Sustaining and changing the internal state (the interrelationship between gene expression and the cell's current composition and functional state) -- Responding to the environment (signal processing, gene expression and internal state) -- The living state (a characterization of 'life') -- Stability and change in DNA (how genes can be altered) -- The spice of life (diversity, natural

selection and symbiosis) -- Curriculum vitae (an outline history of life on Earth) -- The origin of life (some major ideas and unanswered questions) -- Other worlds (the possibility of extraterrestrial life) -- Intelligent behavior and brains (the biological meaning of "intelligence") -- Human evolution (human intelligence and the question of human uniqueness) -- Cells, brains and computers: towards a characterisation of mind.

Deciding on an academic career. -- About an academic career. -- What you need to know about the academic medical center. -- Finding the academic job you want. -- Basic academic skills: clinical practice, teaching, and scholarship. -- Advanced academic skills: doing research, getting grants, and writing for publication. -- Administrative skills. -- Academic medicine success skills. -- How to manage your career and your life. -- Planning for the future. -- Appendix 1: Glossary. -- Appendix 2: Collected academic medical aphorisms. -- Appendix 3: Allopathic medical schools in the United States. -- Appendix 4: Osteopathic medical schools in the United States. -- Appendix 5: Medical schools in Canada.

Attaining professional success and finding personal happiness in academic medicine is not an easy path, yet both are critical if the future is to be brighter through better science, better clinical care, better training, better responsiveness to communities, and better stewardship and leadership in the health professions. This concise, easy to read title consists of "mini" chapters intended as a resource to assist early- and middle-career physicians, clinicians, and scientists in understanding the unique mission of academic medicine and building creative, effective, and inspiring careers in a challenging field.

Introduction: Proteins analysis using mass spectrometry. -- Molecular scanner development: toward clinical molecular scanner for proteome research: parallel protein chemical processing before and during western-blot. -- Quantitation during electroblotting step: enhanced protein recovery after electrotransfer using square wave alternating voltage. -- Signal treatment and virtual imaging (1/2): a molecular scanner to highly automated research and to display proteome images. -- Signal treatment and virtual imaging (2/2): visualization and analysis of molecular scanner peptide mass spectra. -- Improvement in the peptide mass fingerprint protein identification (1/2): hydrogen/deuterium exchange for higher specificity of protein identification by peptide mass fingerprinting. -- Improvement in the peptide mass fingerprint protein identification (2/2): MALDI-MS/MS with high resolution and sensitivity for identification and characterization of proteins. -- Proteomic and mass spectrometry: some aspects and recent developments. -- Conclusions and perspectives.

The AccessMedicine mobile website includes Harrison's Online, CURRENT Medical Diagnosis and Treatment, Picture Galleries from Fitzpatrick's Color Atlas and Synopsis of Clinical Dermatology, Clinician's Pocket Reference: The Scut Monkey, CURRENT Practice Guidelines in Primary Care, Diagnostic Tests from Pocket Guide to Diagnostic Tests, Quick Answers, Diagnosaurus, and Drug monographs.

"A guide to the strange and often illogical world of neural function, 'The accidental mind' shows how the brain is not an optimized, general-purpose problem-solving machine, but rather a weird agglomeration of ad-hoc solutions that have been piled on through millions of years of evolutionary history. Moreover Linden tells us how the constraints of evolved brain design have ultimately led to almost every transcendent human foible : our long childhoods, our extensive memory capacity, our search for love and long-term relationships, our need to create compelling narrative, and ultimately, the universal cultural impulse to create both religious and scientific explanations. With forays into evolutionary biology, this analysis of mental function answers some of our most common questions about how we've come to be who we are." - book jacket.

Nearly a million anterior cruciate ligament (ACL) injuries occur each year worldwide, causing long-term problems in the knee joint. This textbook examines the short- and long-term impacts of ACL injuries on the basis of hundreds of published studies. Risk factors for such injuries are explored using data from hypothesis-driven investigations, and possible causes of the higher risk of noncontact ACL injuries in female athletes are analyzed. Neuromuscular training programs shown to reduce the rate of these injuries in female athletes are described in step-by-step detail with the aid

of numerous color photographs and video demonstrations. In addition, detailed descriptions are provided for rehabilitation programs to be used after ACL reconstruction in order to reduce the risk of a future injury.

Part 1. Cellular Aspects -- Elementary Cellular Processes Driven by Actin Assembly: Lamellipodia and Filopodia / J. Victor Small and Klemens Rottner -- Coupling Membrane Dynamics to Actin Polymerization / Shiro Suetsugu and Tadaomi Takenawa -- Endocytic Control of Actin-based Motility / Andrea Dianza, Emanuela Frittoli, Chiara Giuliani, Francesca Milanese and Andrea Palamidessi, et al. -- Actin in Clathrin-Mediated Endocytosis / Marko Kaksonen -- Actin Cytoskeleton and the Dynamics of Immunological Synapse / Viveka Mayya and Michael L. Dustin -- Actin-based Motile Processes in Tumor Cell Invasion / Matthew Oser, Robert Eddy and John Condeelis -- Actin-based Chromosome Movements in Cell Division / Rong Li -- Roles for Actin Dynamics in Cell Movements During Development / Minna Roh-Johnson, Jessica Sullivan-Brown and Bob Goldstein -- Part 2. Molecular Aspects -- Regulation of the Cytoplasmic Actin Monomer Pool in Actin-based Motility / Pekka Lappalainen, Maarit Makkonen and Hongxia Zhao -- From Molecules to Movement: In Vitro Reconstitution of Self-Organized Actin-based Motile Processes / Marie-France Carlier and Dominique Pantaloni -- The WASP-Homology 2 Domain and Cytoskeleton Assembly / Roberto Dominguez -- Formin-Mediated Actin Assembly / David R. Kovar, Andrew J. Bestul, Yujie Li and Bonnie J. Scott -- Visualization of Individual Actin Filament Assembly / Emmanuèle Helfer -- Movement of Cargo in Bacterial Cytoplasm: Bacterial Actin Dynamics Drives Plasmid Segregation / Dyché Mullins -- Part 3. Physical Aspects -- Protrusive Forces Generated by Dendritic Actin Networks During Cell Crawling / Ovijit Chaudhuri and Daniel A. Fletcher -- Mathematical and Physical Modeling of Actin Dynamics in Motile Cells / Anders E. Carlsson and Alex Mogilner -- Force Production by Actin Assembly: Simplified Experimental Systems for a Thorough Modeling / C. Sykes, J. Prost and J.F. Joanny.

Pt.I: Focusing on active female's health issues: unique gender-related psychological and physiological characteristics of females -- Pt.II: Preoccupation with body image issues and disordered eating issues in the active female -- Pt.III: Reproductive health -- Pt.IV: Prevention and management of common musculoskeletal injuries in active females -- Pt.V: Safe exercise guidelines throughout the lifespan -- Pt.VI: Nutrition, energy balance, and weight control.

The vibrant soundbridge : design and development / Ball, G.R. -- Cost-effectiveness of implantable middle ear hearing devices / Snik, A. ... [et al.] -- Indications and candidacy for active middle ear implants / Wagner, F. ... [et al.] -- Clinical results with an active middle ear implant in the oval window / Hattenbrink, K.B., Beutner, D., Zahnert, T. -- Experiments on the coupling of an active middle ear implant to the stapes footplate / Zahnert, T., Bornitz, M., Hattenbrink, K.B. -- The vibrant soundbridge for conductive and mixed hearing losses : European multicenter study results / Baumgartner, W.-D. ... [et al.] -- Clinical experience with the active middle ear implant vibrant soundbridge in sensorineural hearing loss / Pok, S.M., Schilling, M., Böhme, K. -- The esteem system : a totally implantable hearing device / Maurer, J., Savvas, E. -- Totally implantable active middle ear implants : ten years' experience at the University of Tübingen / Zenner, H.P., Rodriguez Jorge, J.

"Describes the use of hemodiafiltration to inhibit the cytokine storms which cause serious organ damage in patients with septic shock. Moreover, the technical construction of the blood purification system, which includes various machines, devices, membranes, fluids, etc., is explained in detail. Finally, leading experts discuss the concept of continuous renal replacement therapy as the standard care in critically ill patients with severe acute kidney injury."--Website.

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traumatic brain injury / Ian F. Dunn and Dilantha B. Ellegala -- Cerebroprotective strategies in bedside management of traumatic brain injury / Ganesh M. Shankar, Ian F. Dunn, and Dong H. Kim -- Diffuse axonal injury and dysautonomia / Richard H. Singleton, David O. Okonkwo, and P. David Adelson -- Neuromonitoring in traumatic brain injury / Rene Celis and Claudia S. Robertson -- Hypothermia and pharmacologic coma in the treatment of traumatic brain injury / Gordon Li ... [et al.] -- Pediatric traumatic brain injury / Zachary N. Litvack and Nathan R. Selden -- Diagnostic evaluation of aneurysmal subarachnoid hemorrhage / Jonathan A. Edlow -- Surgical versus endovascular aneurysmal exclusion / Aaron W. Grossman, Anil V. Yallapragada, and Giuseppe Lanzino -- Diagnosis and medical management of vasospasm and delayed cerebral ischemia / Olga Helena Hernandez and Jose I. Suarez -- Pharmacologic cerebroprotection in aneurysmal subarachnoid hemorrhage / Yekaterina Axelrod, Salah Keyrouz, and Michael N. Diringer -- Use of anticonvulsants and corticosteroids in SAH / Panayiotis N. Varelas and Lotfi Hachein-Bey -- Management of electrolyte and metabolic derangements in subarachnoid hemorrhage / Tarik Hanane and Eelco F.M. Widjicks -- Management of cardiopulmonary dysfunction in subarachnoid hemorrhage / Thomas P. Bleck -- Neuroradiologic interventional procedures for cerebral vasospasm / Pascal M. Jabbour, Erol Veznedaroglu, and Robert H. Rosenwasser -- Intraoperative management of spinal cord injury / Dawn Dillman and Ansgar Brambrink -- Medical management of acute spinal cord injury / Steven Casha and R. John Hurlbert -- Pediatric spine injury / Brian Jankowitz, David O. Okonkwo, and Christopher Shaffrey.

Acute pancreatitis / Jean Ellsworth-Wolk -- Acute respiratory distress syndrome / Mercedes K. Young -- Malignant ascites / Deborah Murphy -- Bronchitis obliterans / Laura Milligan and Yvonne D. Martin -- Cardiac tamponade and pericardial effusions / Brenda K. Shelton -- Carotid artery rupture / Catherine Sargent -- Cognitive dysfunction / Nancy Jo Bush -- Depression and anxiety / Nancy Jo Bush -- Diabetes insipidus / Jennifer U. Varma -- Diabetes mellitus / Timothy L. Wren and Kathleen R. Wren -- Disseminated intravascular coagulation (DIC) / Brenda K. Shelton -- Dyspnea and airway obstruction / Cynthia C. Chernecky and Libby Montoya -- End-of-life care / Cynthia Brown and Kathleen Murphy-Ende -- Esophageal varices / Lori Ann Brown -- Ethics in adult oncology and critical care nursing / Marlene M. Rosenkoetter -- Fever / Angela L. Daniel -- Gastrointestinal obstruction : biliary, gastric, and bowel obstructions / Kathleen Murphy-Ende -- Graft versus host disease / Jill K. Burlison -- Heart failure / Jacqueline R. Gannuscio -- Hemorrhage secondary to cervical cancer / Brenda K. Cobb and Cynthia C. Chernecky -- Hemorrhagic cystitis / Cathy Fortenbaugh -- Hepatic encephalopathy / Kathleen Murphy-Ende -- Tumor-induced hypercalcemia / Kathryn E. Pearson -- Hyperkalemia / Mary Pat Lynch -- Hyperleukocytosis in childhood leukemia / Kristin Casey -- Hyponatremia / Mady Stovall -- Hypersensitivity reactions to chemotherapy / Teresa Kuntzsch and Cassie A. Voge -- Hyperurecemia / Libby Montoya -- Hypokalemia / Mary Pat Lynch -- Hypomagnesemia / Lyle Stuart Baker, Jr., Brenda K. Shelton, and Michael I. Agugo -- Hyponatremia / Cynthia C. Chernecky, Demica N. Jackson, and Angela L. Daniel -- Increased intracranial pressure / Kara L. Penne -- Lactic acidosis, type B / Catherine Sargent -- Lambert-Eaton myasthenic syndrome / Dionne T. Savage -- Malnutrition and cachexia / Kathy G. Kravits and Marcia Grant -- Pain management : nociceptive and neuropathic / Christine Miaskowski -- Pathological fractures / Cynthia C. Chernecky -- Pleural effusions : malignant / Diane G. Cope -- Pulmonary fibrosis / Cynthia C. Chernecky -- Seizures / Mary P. Lovely -- Sepsis and septic shock / Kathy A. Shane -- Sinusoid occlusive syndrome / Patricia C. Buchsel -- Spinal cord compression / Christine Miaskowski -- Spiritual distress in people with cancer / Martha Meraviglia, Carol D. Gaskamp, and Rebecca R. Sutter -- Suicidal ideation / Kathleen Murphy-Ende -- Superior vena cava syndrome / Molly Loney and Nancy Kelly -- Syndrome of inappropriate antidiuretic hormone (SIADH) / Jeanne Held-Warmkessel -- Tumor lysis syndrome / Brenda K. Shelton -- Typhlitis in pediatrics / Kaci L. Osenga.

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