

Guyton Fiziologija Ovjeka 5 Hrvatsko Izdanje

The 13th edition of Guyton and Hall Textbook of Medical Physiology continues this bestselling title's long tradition as the world's foremost medical physiology textbook. Unlike other textbooks on this topic, this clear and comprehensive guide has a consistent, single-author voice and focuses on the content most relevant to clinical and pre-clinical students. The detailed but lucid text is complemented by didactic illustrations that summarize key concepts in physiology and pathophysiology. Emphasizes core information around how the body must maintain homeostasis in order to remain healthy, while supporting information and examples are detailed. Summary figures and tables help quickly convey key processes covered in the text. Reflects the latest advances in molecular biology and cardiovascular, neurophysiology and gastrointestinal topics. Bold full-color drawings and diagrams. Short, easy-to-read, masterfully edited chapters and a user-friendly full-color design. Clinical vignettes throughout the text all you to see core concepts applied to real-life situations. Brand-new quick-reference chart of normal lab values included. Increased number of figures, clinical correlations, and cellular and molecular mechanisms important for clinical medicine. Medicine eBook is accessible on a variety of devices.

Embryology is a branch of science concerned with the morphological aspects of organismal development. The genomic and molecular revolution of the second half of the 20th century, together with the classic descriptive aspects of this science have allowed greater integration in our understanding of many developmental events. Through such integration, modern embryology seeks to provide practical knowledge that can be applied to assisted reproduction, stem cell therapy, birth defects, fetal surgery and other fields. This book focuses on human embryology and aims to provide an up-to-date source of information on a variety of selected topics. The book consists of nine chapters organized into three sections, namely: 1) gametes and infertility, 2) implantation, placentation and early development, and 3) perspectives in embryology. The contents of this book should be of interest to biology and medical students, clinical embryologists, laboratory researchers, obstetricians and urologists, developmental biologists, molecular geneticists and anyone who wishes to know more about recent advances in human development.

The Guyton and Hall Physiology Review is the ideal way to prepare for class exams as well as the physiology portion of the USMLE Step 1. More than 1,000 board-style questions and answers allow you to test your knowledge of the most essential, need-to-know concepts in physiology. Includes thorough reviews of all major body systems, with an emphasis on system interaction, homeostasis, and pathophysiology. Designed as a companion to the 13th edition of Guyton and Hall Textbook of Medical Physiology, highlighting essential key concepts and featuring direct page references to specific questions. Provides essential information needed to prepare for the physiology portion of the USMLE Step 1.

A Textbook of Histology

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Biomechanics of the Human Urinary Bladder

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Intracranial Pressure and Brain Monitoring XIV

This book presents recent developments on the health and safety of fermented meat products. It discusses health aspects of select topics in fermented meat microbiology, veterinary public health, chemistry, technology, biotechnology, nutrition, toxicology, and quality assurance, and gives a broad insight into the product’s safety and health hazards. The book considers the safety of fermented meat products through a whole food chain approach. It focuses on requirements for strict hygienic and technological procedures to prevent potential risk during the production of ready-to-eat products. The book does not aim to serve as negative publicity for meat products. Just the opposite – it points out to the complexity of prevention and control of potential hazards/risks in the production which greatly contributes to a higher total value of fermented meat products. This reference book is a result of collaborative efforts of a number of distinguished authors with international reputation from renowned institutions and it is intended to both academic and professional audience.

Offers complete coverage of the specification Includes free student ActiveBook CD-ROM Links to additional support and teacher support are provided online directly from Edexcel

This book presents specially commissioned reviews of key topics in farm animal metabolism and nutrition, such as repartitioning agents, near infrared reflectance spectroscopy and digestibility and metabolisable energy assays, where major advances have recently been made or which continue to represent issues of significance for students and researchers. Authors include leading researchers from Europe, North America and Australia.

Edexcel IGCSE Biology

Vascular Nursing

High-Field MRI, Surface Anatomy, Internal Structure, Vascularization and 3 D Sectional Anatomy

Farm Animal Metabolism and Nutrition

Cell And Molecular Biology

This book provides a comprehensive overview of endocrinology of the male reproductive system, explaining how it works and how, sometimes, it fails to work. World-class specialists present state of the art knowledge on all aspects, including anatomy, physiology, molecular biology, genetics, pathophysiology, clinical manifestations of testicular diseases, endocrine aspects of andrological and sexual diseases, and therapy. Extensive consideration is given to sexual development, testicular function, the clinical approach to disorders of male reproduction, male hypogonadism, sexual dysfunction, and male infertility. In addition, sociodemographic, psychological, and ethical aspects of male reproductive disorders are discussed. The book is intended as a major reference for endocrinologists, andrologists, and sexologists, as well as basic and clinical scientists. It is published as part of the SpringerReference program, which delivers access to living editions constantly updated through a dynamic peer-review publishing process.

This comprehensive and unique handbook of split and splitless injection techniques has been completely revised and updated. This new edition offers: - New insights concerning sample evaporation in the injector - Information about matrix effects - A new chapter on injector design The real processes within the injector are for the first time visualized and explained by the CD-ROM included in the book. Furthermore the reader will understand the concepts of injection techniques and get a knowledge of the sources of error. The handbook also includes many practical guidelines. From reviews of former editions: "This substantial book is on injection techniques alone, which ... demonstrates this can have many pitfalls ... no one should be allowed to direct a laboratory doing quantitative analysis by GC without first being thoroughly familiar with this book ..." The Analyst "This is a detailed reference volume filled with practical suggestions and techniques for managing split and splitless injection in the day-to-day world of the working gas chromatographer. It will be useful ... for anyone who must work hands-on with GC." Journal of High Resolution Chromatography

Master the role and the skills of the physical therapist assistant! Fundamental Orthopedic Management for the Physical Therapist Assistant, 4th Edition helps you apply the principles of orthopedic science to physical therapy interventions. First you will learn how to assess flexibility, strength, endurance, and balance, and then you'll become a more valuable PTA by learning the essentials of tissue healing, gait and manual therapy, biomechanics and kinesiology, and the management of orthopedic patients by region and condition. This edition includes a new full-color design and illustrations, and broadens its scope with new chapters on topics such as musculoskeletal imaging and women's issues related to physical rehabilitation. Written by clinician and educator Robert Manske, along with a team of expert contributors, this text is your complete guide to success in physical therapist assisting!

Comprehensive coverage addresses not only core concepts related to orthopedic care, but also includes biomechanics, pharmacology, in-depth reviews of the types of tissue healing, and the PTA's role in physical assessment and interventions. Over 600 illustrations and 75 summary tables reinforce orthopedic concepts and procedures. A focus on critical thinking and application prepares you for the treatment room and for the clinical practicum portions of the curriculum. Review questions at the end of each chapter prepare you for the kind of critical thinking you will be required to do in practice. Key terms and learning objectives begin each chapter, serving as checkpoints for understanding and helping you study effectively for examinations. Glossaries in each chapter make it easy to find definitions of key terminology. Useful appendices provide a quick reference to information such as commonly used medications, fracture eponyms, and reference ranges for lab tests. NEW Differential Diagnosis and Emergent Conditions chapter shows how similar symptoms can mask potentially dangerous pathologies and conditions, and may require re-evaluation by the supervising therapist. NEW Musculoskeletal Imaging chapter explains in basic terms the various types of musculoskeletal imaging used when examining musculoskeletal injuries. NEW Orthopedic Management Concepts Specific to Women chapter covers the issues, pathology, and progression of women's health issues as they relate to physical rehabilitation. NEW! Full-color design and illustrations add clarity to anatomy and procedural drawings and make it easier to learn important concepts. NEW! Important Concepts highlight useful tips and tricks of patient practice. NEW student resources on the Evolve companion website include critical thinking applications, weblinks to related sites, and references with links to Medline® abstracts.

Training with the Heart Rate Monitor

Duvernoy's Atlas of the Human Brain Stem and Cerebellum

Health Aspects

The Animal in Its World

Библиография Югослави

Although pediatric surgery is a distinct and evolving specialty, it still remains an integral part of most general surgical and paediatric medical practice. Nevertheless, surgery in children does differ from adult practice in various fundamental ways, and there are key physiological and anatomical differences that constantly need underlining. Progress and improvement in outcome has also been rapid but it is sometimes difficult for practitioners to keep themselves up-to-date with the usual surgical or paediatric text books. This book will give a concise overview of all important topics and is designed to provide information in order to recognise the common surgical conditions; namely typical symptoms and signs, investigation and then treatment management. It will also provide an anatomical and physiological background to aid understanding, in addition to emphasising logical, and where possible, evidence-based practice by the use of flow charts, tables and algorithms. Authored by an international range of leading contributors, this is the first book of its kind to offer comprehensive coverage to this topic in a quick reference, pocket-book format. Reviews past trends, summarizes major constraints to income growth, food security, poverty alleviation, and environmental sustainability, and identifies future research and development strategies and priorities for the semi-arid tropics. Focuses on sub-Saharan Africa and South Asia.

For four decades, this extraordinary textbook played an pivotal role in the way biochemistry is taught, offering exceptionally clear writing, innovative graphics, coverage of the latest research techniques and advances, and a signature emphasis on physiological and medical relevance. Those defining features are at the heart of this edition. See what's in the LaunchPad

Human Physiology and Mechanisms of Disease

Biochemistry

Schaum's Outline of Theory and Problems of Business Statistics

Disturbances of Water and Electrolyte Metabolism

Jezik

Confusing Textbooks? Missed Lectures? Tough Test Questions? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

Calcium Binding Proteins explains the unique and highly diverse functions of calcium in biology, which are realized by calcium binding proteins. The structures and physical characteristics of these calcium binding proteins are described, as well as their functions and general patterns of their evolution. Techniques that underlie the description of proteins are discussed, including NMR, circular dichroism, optical rotatory dispersion spectroscopy, calorimetry,and crystallography. The book discusses the patterns of bochmical phenomena such as calcium homeostasis, mineralization, and cell signaling that involve specific proteins. It summarizes ongoing research and presents general hypotheses that help to focus future research, and also provides a conceptual framework and a description of the underlying techniques that permits someone entering the field to become conversant.

The thoroughly updated Eighth Edition of this classic three-volume work provides the most comprehensive, current, and authoritative information on diseases of the kidney and urinary tract. This clinically oriented reference focuses on diagnosis and treatment of specific diseases, disorders, and complications and incorporates the basic science practicing physicians need to evaluate and manage the disease process. Each of the fourteen sections is written by internationally renowned contributors and provides coverage comparable to a complete book. The first two sections review renal basic science and describe current diagnostic tools. The remaining twelve sections cover various types of diseases, including hypertension, urological problems, and urinary tract concerns. Each disease-oriented section begins with an up-to-date review of pathophysiology and then focuses on specific diseases. This edition has new lead authors for more than 25 chapters, and separate chapters on heart disease and the kidney, liver disease and the kidney, and the nephrotic syndrome.

Split and Splitless Injection for Quantitative Gas Chromatography

Process and Theory

Hrvatska bibliografija

Книги, брошюры и ноты

Guyton & Hall Physiology Review E-Book

Introduction to Interdisciplinary Research offers comprehensive treatment of the interdisciplinary research process commonly used by interdisciplinarians. The concise and guided resource on the most commonly accepted interdisciplinary studies principles as applied to the research process covers topics such as: deciding how to choose disciplines relevant to the problem or topi; dealing with disciplinary and ideological bias; making explicit the rationale for taking an interdisciplinary approach, and choosing research methods appropriate to the problem or topic.

The discovery in the late 1940’s that sickle cell anemia is a "molecular disease" of hemoglobin was the crucial advance that gave birth to the scientific discipline of human molecular genetics. In subsequent years, with the continued expansion of knowledge about the biology and genetics of the hemoglobins, and particularly as a result of the characterization of the very large numbers of globin gene mutations, the human hemoglobin system has remained as the premier model of gene expression at the molecular level in man. With the recent explosion of new information about the genetic properties of the hemoglobins, it appears inevitable that this gene system will continue to occupy a unique position in human molecular genetics for many years in the future. Hemoglobin genetics has also recently come of age as a diagnostic and clinical discipline. The heightening of public awareness in recent years about sickle cell disease, thalassemia, and other inherited disorders has brought increasing demands for carrier detection services as well as for genetic counseling and education. The more recent development of prac tical and reliable methods for the antenatal diagnosis of hemoglobin dis orders has further increased the scope of clinical hemoglobin genetics, and it can be anticipated that these potent diagnostic techniques will have increasing application in the years ahead.

This thoroughly updated and revised text provides an overview of vascular disease and presents specific nursing management strategies for each vascular disorder. New technology for diagnostic evaluation of vascular disease and non-operative management of vascular disease is covered in detail.

Pathophysiology

Morgan and Mikhail's Clinical Anesthesiology, 5th edition

A Practitioner’s Handbook

Molecular Biology in Physiology

časopis za kulturu hrvatskoga književnog jezika

A completely revised and updated edition of this popular classic. The 6th Edition retains its coverage of the basic physiology of the most common human disorders, and contains numerous examples that clarify physiology's importance to clinical medicine. Also features material on molecular and cellular physiology, endocrinology, the nervous system, metabolism, along with updated coverage of the kidneys and body fluids. Includes over 500 superb figures and tables, many new to this edition!

The human visual system is particularly attuned to and remarkably efficient at processing social cues. This text examines the functional and neuroanatomical mechanisms which underpin social vision.

As a research subject, the biomechanics of the urinary bladder are relatively young, yet medical problems associated with them are as old as mankind. Offering an update on recent achievements in the field, the authors highlight the underlying biological, chemical and physical processes of bladder function and present the systematic development of a mathematical model of the organ as a thin, soft biological shell. The book will be a valuable resource for postgraduate students and researchers interested in the applications of computational mathematics and solid mechanics to modern problems in biomedical engineering and medicine.

Molecular and Cellular Basis of Digestion

Guyton and Hall Textbook of Medical Physiology E-Book

Concepts, Processes, Practical Guidelines, Sources of Error

Human Hemoglobin Genetics

The Science of Social Vision: The Science of Social Vision

Nearly 80 short papers originating from the 14th International Symposium on Intracranial Pressure and Brain Monitoring held in Tuebingen, Germany, in September 2010 present experimental as well as clinical research data related to the naming topics of the conference. The papers have undergone a peer-reviewing and are organized

in the following sections: methods of brain monitoring and data analysis, methods of invasive and non-invasive ICP assessment, the role of autoregulation, the role of tissue oxygenation and near-infrared spectroscopy, hydrocephalus/IIH imaging and diagnosis, management and therapy of hydrocephalus, management and therapy of traumatic brain injury, management and therapy of subarachnoid and intracranial hemorrhage, experimental approaches to acute brain disease. The book gives a good overview on the latest research developments in the field of ICP and related brain monitoring and on management and therapy of relevant acute brain diseases.

This text presents a practical guide to the effective use of heart rate monitors in individual training. It provides expert information on training for endurance, therapeutic or cardiac rehabilitation, general fitness and wellbeing.

Together with Konrad Lorenz, Niko Tinbergen is generally acknowledged as the founder of the young science of ethology. These classic original studies will fascinate the increasing number of readers interested in the topical problems of animals and human behavior.

Edexcel International GCSE Biology

Handbook of Pediatric Surgery

Explorations of an Ethologist, 1932-1972

ENVIRONMENT IN PERIL PB

Advances in Hemodiafiltration

This completely new textbook takes an integrative, problem-based approach to pathophysiology, creating an effective bridge from basic science to clinical practice. Preeminent pathology practitioner, author, and instructor Ivan Damjanov, MD, PhD skillfully provides you with the rich understanding of disease mechanisms you need to succeed on the USMLE and beyond. Clinical vignettes in each chapter, presented in a problem-based format, demonstrate the practical relevance of pathophysiology principles, and hundreds of full-color diagrams clarify even the most difficult concepts. Plus, full-text online access via Student Consult further enhances learning and study. The result is a comprehensive yet succinct source that is ideal for today's medical students. Discussions of each organ system's disorders include key clinical function tests and lab tests - valuable aspects of laboratory medicine that are highly relevant to clinical practice, but are not covered in other pathophysiology texts. A consistent, logical format for each chapter makes the material easy to master. Abundant full-color conceptual diagrams, algorithms, and charts present complex information in an easy-to-absorb manner. Glossaries of key terms, review questions, and other learning tools facilitate study. Clinical case studies help you succeed in problem-based learning courses and on the USMLE. Access to the complete contents of the book online at www.studentconsult.com lets you perform quick searches . . . add your own notes and bookmarks . . . follow Integration Links to related bonus content from other Student Consult titles . . . and review additional case studies. Your purchase entitles you to access the web site until the next edition is published, or until the current edition is no longer offered for sale by Elsevier, whichever occurs first. If the next edition is published less than one year after your purchase, you will be entitled to online access for one year from your date of purchase. Elsevier reserves the right to offer a suitable replacement product (such as a downloadable or CD-ROM-based electronic version) should online access to the web site be discontinued.

The most user-friendly, clinically relevant overview of the practice of anesthesiology Current, concise, and engagingly written, Morgan & Mikhail 's Clinical Anesthesiology, Fifth Edition is a true essential for all anesthesia students and practitioners. This trusted classic delivers comprehensive coverage of the field 's must-know basic science and clinical topics in a clear, easy-to-understand presentation. Indispensable for coursework, exam review, and as a clinical refresher, this trusted text has been extensively updated to reflect the latest research and developments. Here 's why Clinical Anesthesiology is the best anesthesiology resource: NEW full-color presentation NEW chapters on the most pertinent topics in anesthesiology, including anesthesia outside of the operating room and a revamped peripheral nerve blocks chapter that details ultrasound-guided regional anesthesia Up-to-date discussion of all relevant areas within anesthesiology, including equipment, pharmacology, regional anesthesia, pathophysiology, pain management, and critical care Case discussions promote application of the concepts to real-world practice Numerous tables and figures encapsulate important information and facilitate memorization

This atlas instills a solid knowledge of anatomy by correlating thin-section brain anatomy with corresponding clinical magnetic resonance images in axial, coronal, and sagittal planes. The authors correlate advanced neuromelanin imaging, susceptibility-weighted imaging, and diffusion tensor tractography with clinical 3 and 4 T MRI. Each brain stem region is then analyzed with 9.4 T MRI to show the anatomy of the medulla, pons, midbrain, and portions of the diencephalonin with an in-plane resolution comparable to myelin- and Nissl-stained light microscopy. The book 's carefully organized diagrams and images teach with a minimum of text.

Future Challenges and Opportunities for Agricultural R & D in the Semi-arid Tropics

Endocrinology of the Testis and Male Reproduction

Calcium Binding Proteins

Embryology

Interdisciplinary Research

The book arises from a series of lectures given before the Environmental Protection Agency.

This authoritative handbook presents current ideas on the relationship between spoken and written language difficulties. It provides clinical and educational perspectives on the assessment and management of children's reading and spelling problems. The book begins with a theoretical overview. The second edition continues the theme of linking theory and practice. It is aimed at practitioners in the fields of education, speech and language therapy, and psychology. All original chapters have been updated and new chapters are added to reflect current developments.

Fermented Meat Products

Diseases of the Kidney and Urinary Tract

Updates and Highlights on Classic Topics

Dyslexia, Speech and Language

Fundamental Orthopedic Management for the Physical Therapist Assistant- E-Book