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Clinical Problem Solving in Periodontology and Implantology - E-Book
 Textbook of Oral Embryology & Histology
 Stem Cell Biology and Tissue Engineering in Dental Sciences
 Periodontal Prognosis
 Gastrointestinal Physiology
 Principles of Tissue Engineering
 Traumatic Dental Injuries
 Color Atlas of Oral Diseases
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SHILOH BRENDEN

Clinical Problem Solving in Periodontology and Implantology - E-Book Xlibris Corporation

The opportunity that tissue engineering provides for medicine is extraordinary. In the United States alone, over half-a-trillion dollars are spent each year to care for patients who suffer from tissue loss or dysfunction. Although numerous books and reviews have been written on tissue engineering, none has been as comprehensive in its defining of the field. Principles of Tissue Engineering combines in one volume the prerequisites for a general understanding of tissue growth and development, the tools and theoretical information needed to design tissues and organs, as well as a presentation of applications of tissue engineering to diseases affecting specific organ systems. The first edition of the book, published in 1997, is the definite reference in the field. Since that time, however, the discipline has grown tremendously, and few experts would have been able to predict the explosion in our knowledge of gene expression, cell growth and differentiation, the variety of stem cells, new polymers and materials that are now available, or even the successful introduction of the first tissue-engineered products into the marketplace. There was a need for a new edition, and this need has been met with a product that defines and captures the sense of excitement, understanding and anticipation that has followed from the evolution of this fascinating and important field. Key Features* Provides vast, detailed analysis of research on all of the major systems of the human

body, e.g., skin, muscle, cardiovascular, hematopoietic, and nerves* Essential to anyone working in the field* Educates and directs both the novice and advanced researcher* Provides vast, detailed analysis of research with all of the major systems of the human body, e.g. skin, muscle, cardiovascular, hematopoietic, and nerves* Has new chapters written by leaders in the latest areas of research, such as fetal tissue engineering and the universal cell* Considered the definitive reference in the field* List of contributors reads like a "who's who" of tissue engineering, and includes Robert Langer, Joseph Vacanti, Charles Vacanti, Robert Nerem, A. Hari Reddi, Gail Naughton, George Whitesides, Doug Lauffenburger, and Eugene Bell, among others

Textbook of Oral Embryology & Histology Woodhead Publishing

First published in 1944, Orban's Oral Histology and Embryology has become the classic text for successive generations of dental students. This thirteenth edition, while retaining the same fundamentals and lucid writing style, reflects upon the recent advances and latest curriculum offered in Indian universities. New to this Edition - All chapters have been extensively revised and updated - Incorporates Summary and Review Questions at the end of each chapter for the benefit of the students - All line illustrations have been modified and poor photographs have been replaced with improved ones for better understanding of the subject - New chapter on Lymphoid Tissue and Lymphatics in Orofacial Region - Preparation of Specimens for Histologic Study upgraded as a chapter Salient Features - Incorporates all relevant changes especially in the field of molecular biology - Discusses molecular biological aspects of oral tissues - Emphasizes clinical relevance of oral histological aspects

Stem Cell Biology and Tissue Engineering in Dental Sciences Elsevier Health Sciences

This clinically oriented text provides the essential information needed to understand periodontal diseases and deliver effective treatment. Written in user-friendly style, it explains the biology of the periodontium in health and disease, gives detailed instructions on patient examination, and discusses various local and systemic risk factors. Actual case scenarios illustrate how to interpret clinical evidence, make a diagnosis and develop a treatment plan for the most common forms of disease. Also covered are implant therapy and adjunct treatment procedures that may be needed to enhance periodontal health.

Periodontal Prognosis OUP Oxford

Accompanying CD-ROM contains ... "150 color images with legends, 472 book figures with legends, 438 multiple choice test questions, and 119 interactive drag-and-drop exercises." -- from CD-ROM Welcome screen.

Gastrointestinal Physiology Jaypee Brothers Medical Publishers

Designed to provide dental students with a detailed introduction to oral anatomy, embryology, and histology, the New Edition of this highly regarded textbook gives dental students the information they need in a lavishly illustrated resource. Emphasizing student-friendly textbook features, the 3rd Edition has been rewritten to offer a specialized background that includes more relevant topics and new research in areas such as molecular biology, confocal microscopy, immunocytochemistry, and immunohistochemistry*while building on its excellent tradition of extensive, high-quality color photographs and illustrations. A new paperback format makes the book more convenient and accessible for easy reference to key topics in the classroom or any setting. Spanish version of 2nd edition also available, ISBN: 84-8174-139-6

Principles of Tissue Engineering W B Saunders Company

This book explores in depth a wide range of new biomaterials that hold great promise for applications in regenerative medicine. The opening two sections are devoted to biomaterials designed to direct stem cell fate and regulate signaling pathways. Diverse novel functional biomaterials, including injectable nanocomposite hydrogels, electrosprayed nanoparticles, and waterborne polyurethane-based materials, are then discussed. The fourth section focuses on inorganic biomaterials, such as nanobioceramics, hydroxyapatite, and titanium dioxide. Finally, up-to-date information is provided on a wide range of smart natural biomaterials, ranging from silk fibroin-based scaffolds and collagen type I to chitosan, mussel-inspired biomaterials, and natural polymeric scaffolds. This is one of two books to be based on contributions from leading experts that were delivered at the 2018 Asia University Symposium on Biomedical Engineering in Seoul, Korea - the companion book examines in depth the latest enabling technologies for regenerative medicine.

Traumatic Dental Injuries Elsevier Health Sciences

This book offers one of the most comprehensive reviews in the field of gastrointestinal (GI) physiology, guiding readers on a journey through the complete digestive tract, while also highlighting related organs and glandular systems. It is not solely limited to organ system physiology, and related disciplines like anatomy and histology, but also examines the molecular and cellular processes that keep the digestive system running. As such, the book provides extensive information on the molecular, cellular, tissue, organ, and system levels of functions in the GI system. Chapters on the roles of the gut as an endocrine, exocrine and neural organ, as well as its microbiome functions, broaden readers' understanding of the multi-organ networks in the human body. To help illustrate the interconnections between the physiological concepts, principles and clinical presentations, it outlines clinical examples such as pathologies that link basic science with clinical practice in special "clinical correlates" sections. Covering both traditional and contemporary topics, it is a valuable resource for biomedical students, as well as healthcare and scientific professionals.

Color Atlas of Oral Diseases Springer Nature

In spite of improvements in oral health, there will always be a significant number of people who lose all their teeth. Furthermore, as people are living longer, complete denture work has become more challenging and managing the transition from a pre-edentulous to an edentulous condition has become more critical. The fourth edition of this established textbook for dental undergraduates and postgraduates has been completely updated to reflect these changes. More emphasis has been placed on care of the elderly and how to achieve better communication between clinicians and dental technicians. More details of clinical techniques have been included, with a new section on the self assessment of clinical work. The text has been completely revised to take into account the results of research over the last ten years.

A Dictionary of Dentistry Academic Press

This book covers all clinical aspects of partial extraction therapy (PET), a revolutionary technique that offers long-term stability of soft and hard tissue around implants. Readers will find step-by-step protocols, valuable insights, and helpful tips, backed by the best available scientific evidence. After explanation of the biological rationale for PET, the socket shield technique, which entails partial extraction of the tooth root prior to implant placement, is clearly described and illustrated. Guidance is then provided on case selection, contraindications, and fabrication and design of the provisional restoration. Variations in the PET procedure are explained, and techniques presented for the management of multirooted teeth, pontic sites, and full mouth rehabilitation. Advice is also offered on how to deal with complications and treatment failures. Finally, the current evidence for PET and the scope for extending its use are reviewed. PET has gained immense popularity in recent years, and this book will be of value for clinicians, students, and academicians.

Foundations of Periodontics for the Dental Hygienist Academic Press

Up-to-date information, substantial amount of material on clinical Forensic Medicine included in a nutshell. Medical Jurisprudence, Identification, Autopsy, Injuries, Sexual Offences, Forensic Psychiatry and Toxicology are dealt with elaborately.

Orban's Oral Histology & Embryology John Wiley & Sons

Preface ; 1 Early Tooth Development ; 2 Dentin ; 3 Enamel ; 4 Oral Mucosa ; 5 Gingiva ; 6 Periodontal Ligament ; 7 Root Formation and Cementogenesis ; 8 Bone ; 9 Salivary Glands ; 10 Oral Somatosensory Systems ; 11 Muscle ; 12 Cartilage and Temporomandibular Joint ; 13 Immune System ; 14 Phagocytic Cells ; Index.

The Periodontium John Wiley & Sons

Textbook and Color Atlas of Traumatic Injuries to the Teeth, Fifth Edition encompasses the full scope of acute dental trauma, including all aspects of interdisciplinary treatment. This new edition embraces the significant advances made in the subject of dental traumatology since the publication of the previous edition in 2007. Thoroughly updated throughout, it includes eight new chapters, including one chapter focused on the development of bioengineered teeth and another on clinical regenerative endodontics. Providing the theoretical background behind the clinical applications, the text is supplemented by a step-by-step online guide to procedures at www.dentaltraumaguide.org. The book is also filled with full-color illustrations throughout—making it the ultimate guide for anyone treating individuals afflicted with dental injuries caused by traffic accidents, sporting injuries, violent assaults, and other falls, crashes, or injuries. New edition of the definitive reference on dental traumatology Thoroughly revised and updated with a modern look and feel Eight new chapters on innovative developments in the field Contributions from world-renowned authors and editors Linked to www.dentaltraumaguide.org with a specific chapter on how the book complements the online guide This comprehensive textbook is an invaluable reference for undergraduate BDS courses worldwide, as well as a core text for postgraduate pediatric, oral surgery, and endodontics courses.

Fundamentals of Periodontics Elsevier Health Sciences

William R. Proffitt, DDS, PhD; with Henry W. Fields, Jr., DDS, MSD, and 4 contributors Content includes basic and applied growth and development, biomechanics and basic orthodontic techniques, and clinical orthodontics.

Contemporary Orthodontics Lippincott Williams & Wilkins

Virtually any disease that results from malfunctioning, damaged, or failing tissues may be potentially cured through regenerative medicine therapies, by either regenerating the damaged tissues in vivo, or by growing the tissues and organs in vitro and implanting them into the patient. Principles of Regenerative Medicine discusses the latest advances in technology and medicine for replacing tissues and organs damaged by disease and of developing therapies for previously untreatable conditions, such as diabetes, heart disease, liver disease, and renal failure. - Key for all researchers and institutions in Stem Cell Biology, Bioengineering, and Developmental Biology - The first of its kind to offer an advanced understanding of the latest technologies in regenerative medicine - New discoveries from leading researchers on restoration of diseased tissues and organs

Review of Forensic Medicine and Toxicology Quintessence Publishing (IL)

This book highlights the latest, cutting-edge advances in implantable biomaterials. It brings together a class of advanced biomaterials in two highly active research areas, namely implants and tissue scaffolds, to underline their respective functional requirements for further development. It is unique in providing a full range of methodological procedures, including materials syntheses, characterisation, cellular tests and mathematical modelling. Covering metallic, ceramic, polymeric and composite materials commonly used in biological applications and clinical therapeutics, it is a valuable resource for anyone wanting to further their understanding of the latest developments in implantable biomaterials. Focusing on biomedical applications in implants and scaffolds, it provides methodological guides to this rapidly growing field. Qing Li and Yiu-Wing Mai are both professors at the University of Sydney, School of Aerospace, Mechanical and Mechatronic Engineering.

The Glossary of Prosthodontic Terms Springer

"Periodontal diseases" is a web-based resource intended to reach the contemporary practitioners as well as educators and students in the field of periodontology. It is fully searchable and designed to enhance the learning experience. Within the book a description is presented of the current concepts presenting the complex interactions of microbial fingerprint, multiple genotypes, and host modulations. In addition, an overview is given of the clinical outcome of the disease's progression, as influenced by the epigenetic factors. Emerging concepts on periodontitis as a risk factor for various systemic diseases and as a bilateral modulating factor have been elucidated in detail as well.

Evolutionary Biology Mosby Elsevier Health Science

Chapter 1: Overview of Oral Tissues Chapter 2: General Embryology Chapter 3: Development of Face, Palate and Tongue Chapter 4: Development of Tooth Chapter 5: Enamel Chapter 6: Dentin Chapter 7: Pulp Chapter 8: Cementum Chapter 9: Periodontal Ligament Chapter 10: Alveolar Bone Chapter 11: Tooth Eruption Chapter 12: Shedding Chapter 13: Oral Mucous Membrane Chapter 14: Salivary Glands Chapter 15: Temporomandibular Joint Chapter 16: Maxillary Sinus Chapter 17: Lymphatics of Orofacial Region Chapter 18: Age Changes in Oral Tissues Chapter 19: Stem Cells Chapter 20: Evolution of Jaws and Teeth Chapter 21: Tissue Processing for Histological Examination Chapter 22: Histochemistry of Oral Tissues Appendix Index

Novel Biomaterials for Regenerative Medicine Springer

Polymicrobial diseases, those involving more than one etiologic agent, are more common than is generally realized and include respiratory diseases, gastroenteritis, conjunctivitis, keratitis, hepatitis, periodontal diseases, multiple sclerosis, genital infections, intra -- abdominal infections, and pertussis.

Glossary of Periodontal Terms Springer Nature

After volume 33, this book series was replaced by the journal "Evolutionary Biology." Please visit www.springer.com/11692 for further information. The current volume includes articles on the conceptual relationship of ontogeny, phylogeny, and classification; correlation studies of spatial patterns of genetic variation; and the evolution of flower display and reward.

Periodontal Regeneration Quintessence Publishing (IL)

In their contribution to the first edition of this Handbook, entitled "The Teeth," LEHNER and PLENK (1936) discussed the tissues constituting the "periodontium" rather briefly. In contrast to the detailed paragraphs dealing with, for example, enamel and dentine, the section (about 40 pages and 20 illustrations, mostly drawings) devoted to periodontal tissues failed to provide a factual review and summary of the contemporary knowledge and latest developments in research on the various components of the periodontium. Instead, much of the text was an attempt to arrive at conclusions from often purely semantic speculations, playing the various schools of thought against each other, providing arguments in favor of the authors' views and arguments for the feasibility and probability of accepting or rejecting the often diverse opinions, while the reader was referred to the already existing literature for factual details. Since 1936, however, factual details of the structural biology of the periodontal tissues, i. e. their development, structure, function, and physiology, have been greatly extended and have been internationally accepted. With much less opinionated

belief to cope with, this knowledge has formed the solid foundation upon which diagnosis, prevention, and treatment in the fields of clinical periodontology, modern orthodontics, and re- and transplantation procedures of teeth have been built.

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