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KEY=TRANSPLANTATION - PARSONS EDWARDS

Surgical Remodeling in Heart Failure Alternative to Transplantation

Springer Science & Business Media Despite all efforts and success in medical treatment, the incidence of (end-stage) chronic heart failure is increasing. Cardiac transplantation remains the only definite option; however, due to the shortage of donor organs, very few people benefit. Therefore, surgery of end-stage heart failure using conventional techniques has gained new interest after the introduction of the Batista operation. However, a clear surgical identification of the patients to be included in this group is lacking. Left ventricular reduction surgery as well as reduction of the base of the heart using mitral annuloplasty or mitral valve replacement, sparing both papillary muscles, is used in selected patients with satisfying results and good survival. Long-term mechanical support with subsequent surgical remodeling or supporting myoplasty may result in a beneficial alternative to heart transplantation.

Stem Cells from Cord Blood, in Utero Stem Cell Development and Transplantation-Inclusive Gene Therapy

Springer Science & Business Media The title "Stem Cells from Cord Blood, In Utero Stem Cell Development, and Transplantation-Inclusive Gene Therapy" suggests that more than one topic is combined in one workshop. Indeed, at first glance the recovery of stem cells from cord blood has to be seen as separate from the attempts to achieve effective in utero therapy by stem cell transplantation, because the first issue deals with an innovative stem cell source as an alternative to bone marrow, which is already spreading rapidly in medical practice, whereas the second topic is still strictly experimental and only investigated in medical centers with the appropriate background. It is, however, not only justified, but helpful to combine the two topics in one workshop and consequently to cover them in the same volume of the Ernst Schering Research Foundation Workshop series, because they are intimately related and both based on the new insights into the biology of stem cells. Professor Werner Arber, the Nobel Laureate from the University of Basel, pointed out in his In- Professor Dr. W. Holzgreve VI Preface The participants of the workshop introductory Lecture that our understanding of hematopoietic stem cells as descendants of totipotent cells and our current approaches to using them in post- and prenatal therapy have been furthered significantly by genetic engineering technologies which are "artificial contributions to the process of biologic evolution".

International Congress Calendar

The EBMT Handbook

This Open Access edition of the European Society for Blood and Marrow Transplantation (EBMT) handbook addresses the latest developments and innovations in hematopoietic stem cell transplantation and cellular therapy. Consisting of 93 chapters, it has been written by 175 leading experts in the field. Discussing all types of stem cell and bone marrow transplantation, including haplo-identical stem cell and cord blood transplantation, it also covers the indications for transplantation, the management of early and late complications as well as the new and rapidly evolving field of cellular therapies. This book provides an unparalleled description of current practices to enhance readers' knowledge and practice skills. This work was published by Saint Philip Street Press pursuant to a Creative Commons license permitting commercial use. All rights not granted by the work's license are retained by the author or authors.

Acute Heart Failure

Springer Science & Business Media For many years, there has been a great deal of work done on chronic congestive heart failure while acute heart failure has been considered a difficult to handle and hopeless syndrome. However, in recent years acute heart failure has become a growing area of study and this is the first book to cover extensively the diagnosis and management of this complex condition. The book reflects the considerable amounts of new data reported and many new concepts which have been proposed in the last 3-4 years looking at the epidemiology, diagnostic and treatment of acute heart failure.

Safe Management of Wastes from Health-care Activities

World Health Organization

Rotary Blood Pumps

New Developments and Current Applications

Springer Science & Business Media Rotary blood pumps increasingly are being used in open heart surgery and in assisted circulation for patients with heart disease. These rotary devices include vortex (centrifugal) and axial pumps, which can be utilized in conditions where the use of conventional pulsatile pumps would entail problems of cost and size. Rapid progress is now being made in developing new devices for controlling blood flow within the heart and great vessels as well as extracorporeally for use in coronary and intensive care units and, in the future, for long-term use. This book provides information on the physiology of nonpulsatile circulation, the development of rotary pump engineering, and the clinical application of rotary blood pumps. It also presents an overview of future developments in this important field.

WHO Guidelines for Indoor Air Quality

Selected Pollutants

World Health Organization This book presents WHO guidelines for the protection of public health from risks due to a number of chemicals commonly present in indoor air. The substances considered in this review, i.e. benzene, carbon monoxide, formaldehyde, naphthalene, nitrogen dioxide, polycyclic aromatic hydrocarbons (especially benzo[a]pyrene), radon, trichloroethylene and tetrachloroethylene, have indoor sources, are known in respect of their hazardousness to health and are often found indoors in concentrations of health concern. The guidelines are targeted at public health professionals involved in preventing health risks of environmental exposures, as well as specialists and authorities involved in the design and use of buildings, indoor materials and products. They provide a scientific basis for

legally enforceable standards.

Ethical Guidelines for Organ Transplantation from Deceased Donors

Necessity, Use, and Care of Laboratory Dogs at the U.S. Department of Veterans Affairs

National Academies Press For many years, laboratory dogs have served as important animal models for biomedical research that has advanced human health. Conducted at the request of the U.S. Department of Veterans Affairs (VA), this report assesses whether laboratory dogs are or will continue to be necessary for biomedical research related to the VA's mission. The report concludes that using laboratory dogs in research at the VA is scientifically necessary for only a few areas of current biomedical research. The report recommends that the VA adopt an expanded set of criteria for determining when it is scientifically necessary to use laboratory dogs in VA biomedical research; that the VA promote the development and use of alternatives to laboratory dogs; and highlights opportunities for the VA to enhance the welfare of laboratory dogs that are being used in biomedical research areas for which they have been deemed necessary.

Deutsche Nationalbibliographie und Bibliographie der im Ausland erschienenen deutschsprachigen Veröffentlichungen

Monographien und Periodika--Halbjahresverzeichnis. Reihe D

Flow Cytometry and Cell Sorting

Springer Science & Business Media The analysis and sorting of large numbers of cells with a fluorescence-activated cell sorter (FACS) was first achieved some 30 years ago. Since then, this technology has been rapidly developed and is used today in many laboratories. A Springer Lab Manual Review of the First Edition: "This is a most useful volume which will be a welcome addition for personal use and also for laboratories in a wide range of disciplines. Highly recommended." CYTOBIOS

Current Catalog

cumulative listing

First multi-year cumulation covers six years: 1965-70.

National Library of Medicine Current Catalog

First multi-year cumulation covers six years: 1965-70.

Tissue Engineering and Regenerative Medicine

Springer This new series, based on a bi-annual conference and its topics, represents a major contribution to the emerging science of cancer research and regenerative medicine. Each volume brings together some of the most pre-eminent scientists working on cancer biology, cancer treatment, cancer diagnosis, cancer prevention and regenerative medicine to share information on currently ongoing work which will help shape future therapies. These volumes are invaluable resources not only for already active researchers or clinicians but also for those entering these fields, plus those in industry. Tissue Engineering and Regenerative Medicine is a proceedings volume which reflects papers presented at the 3rd bi-annual Innovations in Regenerative Medicine and Cancer Research conference; taken with its companion volume Stem Cells: Biology and Engineering it provides a complete overview of the papers from that meeting of international experts.

Tolerable upper intake levels for vitamins and minerals

Verzeichnis lieferbarer Bücher

Cumulated Index Medicus

Analysis of Clinical Trials Using SAS

A Practical Guide, Second Edition

SAS Institute Analysis of Clinical Trials Using SAS®: A Practical Guide, Second Edition bridges the gap between modern statistical methodology and real-world clinical trial applications. Tutorial material and step-by-step instructions illustrated with examples from actual trials serve to define relevant statistical approaches, describe their clinical trial applications, and implement the approaches rapidly and efficiently using the power of SAS. Topics reflect the International Conference on Harmonization (ICH) guidelines for the pharmaceutical industry and address important statistical problems encountered in clinical trials. Commonly used methods are covered, including dose-escalation and dose-finding methods that are applied in Phase I and Phase II clinical trials, as well as important trial designs and analysis strategies that are employed in Phase II and Phase III clinical trials, such as multiplicity adjustment, data monitoring, and methods for handling incomplete data. This book also features recommendations from clinical trial experts and a discussion of relevant regulatory guidelines. This new edition includes more examples and case studies, new approaches for addressing statistical problems, and the following new technological updates: SAS procedures used in group sequential trials (PROC SEQDESIGN and PROC SEQTEST) SAS procedures used in repeated measures analysis (PROC GLIMMIX and PROC GEE) macros for implementing a broad range of randomization-based methods in clinical trials, performing complex multiplicity adjustments, and investigating the design and analysis of early phase trials (Phase I dose-escalation trials and Phase II dose-finding trials) Clinical statisticians, research scientists, and graduate students in biostatistics will greatly benefit from the decades of clinical research experience and the ready-to-use SAS macros compiled in this book.

Pain Management for People with Serious Illness in the Context of the Opioid Use Disorder Epidemic

Proceedings of a Workshop

The United States is facing an opioid use disorder epidemic with opioid overdoses killing 47,000 people in the U.S. in 2017. The past three decades have witnessed a significant increase in the prescribing of opioids for pain, based on the belief that patients were being undertreated for their pain, coupled with a widespread misunderstanding of the addictive properties of opioids. This increase in prescribing of opioids also saw a parallel increase in addiction and overdose. In an effort to address this ongoing epidemic of opioid misuse, policy and regulatory changes have been enacted that have served to limit the availability of prescription opioids for pain management. Overlooked amid the intense focus on efforts to end the opioid use disorder epidemic is the perspective of clinicians who are experiencing a significant amount of daily tension as opioid regulations and restrictions have limited their ability to treat the pain of their patients facing serious illness. Increased public and clinician scrutiny of opioid use has resulted in patients with serious illness facing stigma and other challenges when filling prescriptions for their pain medications or obtaining the prescription in the first place. Thus clinicians, patients, and their families are caught between the responses to the opioid use disorder epidemic and the need to manage pain related to serious illness. The National Academies of Sciences, Engineering, and Medicine sponsored a workshop on November 29, 2018, to examine these unintended consequences of the responses to the opioid use disorder epidemic for patients, families, communities, and clinicians, and to consider potential policy opportunities to address them. This publication summarizes the presentations and discussions from the workshop.

Cardiac Allograft Rejection

Springer Science & Business Media Heart transplantation remains one of the major scientific achievements of twentieth century medicine. During the past four decades, it has evolved from an unproven experimental surgical technique to the most effective form of therapy for refractory end-stage heart disease. It has captured the public's imagination and expanded our understanding of fundamental immunologic mechanisms that are responsible for cellular and humorally-mediated immunity. Despite its successes, many clinical and scientific problems remain. One or more bouts of acute cellular or humoral (vascular) rejection will occur in over 75% of transplant recipients despite current immunosuppressive strategies. Further, rejection directly results in approximately 20% of post-transplant deaths and is believed to play a major role in the development of late allograft dysfunction and coronary vasculopathy. This book by international experts in the fields of transplantation medicine, immunobiology and cardiac imaging provides the reader with an up-to-date, concise summary of the latest developments in the diagnosis and treatment of acute cardiac rejection. It is axiomatic that a more complete understanding of the pathogenic processes involved in rejection will ultimately lead to its prevention. This volume will be useful to transplant cardiologists, cardiovascular surgeons, cardiac pathologists and transplant scientists who seek to prolong the lifespan and improve the quality of life of their transplant recipients.

Pulmonary Arterial Hypertension and Interstitial Lung Diseases

A Clinical Guide

Springer Science & Business Media Interstitial lung disease (ILD) is a broad category of lung diseases that includes more than 150 disorders characterized by scarring or fibrosis of the lungs. In Pulmonary Arterial Hypertension and Interstitial Lung Disease: A Clinical Guide, renowned experts provide a state-of-the-art overview of the problems seen by physicians in the clinical management of ILDs. Divided into two sections, the first part provides an update on general issues and introduces both interstitial lung disease and associated pulmonary hypertension. A detailed analysis of the pathology of the various interstitial lung diseases is also provided. The second part addresses specific categories of disease. Bronchiolitis, hypersensitivity pneumonitis, and other conditions are covered, and the use of inspiratory and expiratory high resolution CT scan is discussed as well. This important new text is an invaluable resource for the practicing physician who must be aware of the broad and troubling manifestations of interstitial lung disease.

The Impact of Caffeine and Coffee on Human Health

MDPI The purpose of this Special Issue is to provide a thorough and up-to-date presentation of research investigating the impact of coffee and/or caffeine intake on various health outcomes. We welcome the submission of original research articles and/or systematic Reviews/meta-analyses focusing on several aspects of coffee/caffeine intake in relation to human health. Areas of interest include, but are not limited to, the following topics: - Human clinical trials of coffee or caffeine use in relation to disease or intermediate phenotypes. - Epidemiological studies of habitual coffee or caffeine intake in relation to human health, among the general public, as well as, among special populations (i.e., children, pregnant women, diabetics, cancer patients, hypertensives, etc.) - Mechanisms of action of nutrients and

other bioactive components of coffee/caffeine. - Studies integrating genetic or physiological markers of coffee/caffeine intake to investigations of coffee and health.

Index of Conference Proceedings Received

Uremic Toxins

Springer Science & Business Media The present book contains the Proceedings of a two day Symposium on Uremic Toxins organized at the University of Ghent in Belgium. A series of guest lectures, free communications and posters have been presented. An international audience of 163 scientists from 16 nationalities listened to and discussed extensively a spectrum of topics brought forward by colleagues and researchers who worked for many years in the field of Uremic Toxins. There is a striking contrast between all the new dialysis strategies available in the work to "clean" the uremic patients and the almost non-progression of our knowledge on uremic toxins in the past decade. In this sense the symposium was felt by all participants as a new start for the research in the biochemical field of the definition of uremia. If the present volume would stimulate new work in this field in order to define uremia, or identify the uremic toxins, the purpose of the organizers would be maximally fulfilled.

Guide for the Care and Use of Laboratory Animals

Eighth Edition

National Academies Press A respected resource for decades, the Guide for the Care and Use of Laboratory Animals has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.

Improving Healthcare Quality in Europe Characteristics, Effectiveness and Implementation of Different Strategies

Characteristics, Effectiveness and Implementation of Different Strategies

OECD Publishing This volume, developed by the Observatory together with OECD, provides an overall conceptual framework for understanding and applying strategies aimed at improving quality of care. Crucially, it summarizes available evidence on different quality strategies and provides recommendations for their implementation. This book is intended to help policy-makers to understand concepts of quality and to support them to evaluate single strategies and combinations of strategies.

Bibliographic Guide to Conference Publications

Vols. for 1975- include publications cataloged by the Research Libraries of the New York Public Library with additional entries from the Library of Congress MARC tapes.

Mesenchymal Stem Cell Therapy

Springer Science & Business Media Over the past decade, significant efforts have been made to develop stem cell-based therapies for difficult to treat diseases. Multipotent mesenchymal stromal cells, also referred to as mesenchymal stem cells (MSCs), appear to hold great promise in regards to a regenerative cell-based therapy for the treatment of these diseases. Currently, more than 200 clinical trials are underway worldwide exploring the use of MSCs for the treatment of a wide range of disorders including bone, cartilage and tendon damage, myocardial infarction, graft-versus-host disease, Crohn's disease, diabetes, multiple sclerosis, critical limb ischemia and many others. MSCs were first identified by Friendstein and colleagues as an adherent stromal cell population within the bone marrow with the ability to form clonogenic colonies in vitro. In regards to the basic biology associated with MSCs, there has been tremendous progress towards understanding this cell population's phenotype and function from a range of tissue sources. Despite enormous progress and an overall increased understanding of MSCs at the molecular and cellular level, several critical questions remain to be answered in regards to the use of these cells in therapeutic applications. Clinically, both autologous and allogenic approaches for the transplantation of MSCs are being explored. Several of the processing steps needed for the clinical application of MSCs, including isolation from various tissues, scalable in vitro expansion, cell banking, dose preparation, quality control parameters, delivery methods and numerous others are being extensively studied. Despite a significant number of ongoing clinical trials, none of the current therapeutic approaches have, at this point, become a standard of care treatment. Although exceptionally promising, the clinical translation of MSC-based therapies is still a work in progress. The extensive number of ongoing clinical trials is expected to provide a clearer path forward for the realization and implementation of MSCs in regenerative medicine. Towards this end, reviews of current clinical trial results and discussions of relevant topics association with the clinical application of MSCs are compiled in this book from some of the leading researchers in this exciting and rapidly advancing field. Although not absolutely all-inclusive, we hope the chapters within this book can promote and enable a better understanding of the translation of MSCs from bench-to-bedside and inspire researchers to further explore this promising and quickly evolving field.

Informal International Lawmaking

Oxford University Press Policy-makers, national administrations, and regulators engage in making laws without the formalities associated with treaties or customary law. This book analyses this informal international lawmaking and its impact on contemporary trends in international interaction, looking at the questions of accountability and effectiveness it raises.

The Human Endometrium

Papers from the September 1993 conference report results of research on in vitro tissue fragments, homogeneous preparations of cells, proliferation and differentiation of endometrial cells, vascularization and hemostasis, human blastocyst implantation, contraception and hormonal replacement, embryo receptivity, pregnancy, endometrial cancer, and gynecologic endoscopy. Annotation copyright by Book News, Inc., Portland, OR

World Report on Ageing and Health

World Health Organization The WHO World report on ageing and health is not for the book shelf it is a living breathing testament to all older people who have fought for their voice to be heard at all levels of government across disciplines and sectors. - Mr Bjarne Hastrup President International Federation on Ageing and CEO DaneAge This report outlines a framework for action to foster Healthy Ageing built around the new concept of functional ability. This will require a transformation of health systems away from disease based curative models and towards the provision of older-person-centred and integrated care. It will require the development sometimes from nothing of comprehensive systems of long term care. It will require a coordinated response from many other sectors and multiple levels of government. And it will need to draw on better ways of measuring and monitoring the health and functioning of older populations. These actions are likely to be a sound investment in society's future. A future that gives older people the freedom to live lives that previous generations might never have imagined. The World report on ageing and health responds to these challenges by recommending equally profound changes in the way health policies for ageing populations are formulated and services are provided. As the foundation for its recommendations the report looks at what the latest evidence has to say about the ageing process noting that many common perceptions and assumptions about older people are based on outdated stereotypes. The report's recommendations are anchored

in the evidence comprehensive and forward-looking yet eminently practical. Throughout examples of experiences from different countries are used to illustrate how specific problems can be addressed through innovation solutions. Topics explored range from strategies to deliver comprehensive and person-centred services to older populations to policies that enable older people to live in comfort and safety to ways to correct the problems and injustices inherent in current systems for long-term care.

Disease Control Priorities in Developing Countries

World Bank Publications Based on careful analysis of burden of disease and the costs of interventions, this second edition of 'Disease Control Priorities in Developing Countries, 2nd edition' highlights achievable priorities; measures progress toward providing efficient, equitable care; promotes cost-effective interventions to targeted populations; and encourages integrated efforts to optimize health. Nearly 500 experts - scientists, epidemiologists, health economists, academicians, and public health practitioners - from around the world contributed to the data sources and methodologies, and identified challenges and priorities, resulting in this integrated, comprehensive reference volume on the state of health in developing countries.

Drug-Induced Liver Injury

Academic Press Drug-Induced Liver Injury, Volume 85, the newest volume in the Advances in Pharmacology series, presents a variety of chapters from the best authors in the field. Chapters in this new release include Cell death mechanisms in DILI, Mitochondria in DILI, Primary hepatocytes and their cultures for the testing of drug-induced liver injury, MetaHeps an alternate approach to identify DILI, Autophagy and DILI, Biomarkers and DILI, Regeneration and DILI, Drug-induced liver injury in obesity and nonalcoholic fatty liver disease, Mechanisms of Idiosyncratic Drug-Induced Liver Injury, the Evaluation and Treatment of Acetaminophen Toxicity, and much more. Includes the authority and expertise of leading contributors in pharmacology Presents the latest release in the Advances in Pharmacology series

Nutrition and Liver Disease

MDPI This book is a printed edition of the Special Issue "Nutrition and Liver Disease" that was published in Nutrients

Lung Volume Reduction Surgery

Springer Science & Business Media A panel of recognized authorities comprehensively review the medical, surgical, and pathophysiologic issues relevant to lung volume reduction surgery for emphysema. Topics range from the open technique and video-assisted thoracoscopic approaches to LVRS, to anesthetic management, to perioperative and nursing care of the patient. The experts also detail the selection of candidates for LVRS, the clinical results and clinical trials in LVRS, and the effects of LVRS on survival rates.

Coagulase-negative Staphylococci

Coronet Books

Bone Transplantation

Springer Science & Business Media This book is the result of an international symposium on bone transplantation, the first of its kind, held in Berne, Switzerland, on May 14-16, 1987. This symposium brought together some of the most outstanding experts - from all over the world, principally from North America and Europe - in the clinical bone transplantation and in basic research. It was an unique opportunity to summarize in a few days the state of the art in this field and to bring clinicians who carry out some research related to their work together with basic scientists. The clinician can on the one hand profit from the basis researcher's knowledge and on the other stimulate the researcher to share the orthopedic surgeon's interest in osteo articular allografts. The book, like the symposium, contains two types of contributions: 1. Papers from invited experts who have often dedicated a significant part of their professional life to the subject of bone transplantation. Knowledge which would otherwise be scattered among original papers from many different sources, some of it less firmly established and therefore less well known, is thus collected together in one volume, so that the reader does not have to weed out a mass of less important material. These chapters may for a certain time act as a textbook on bone transplantation, but inevitably will eventually be superseded by new findings. 2. Descriptions of

current research in all the main subjects covered in the state-of-the-art papers.

Oxford Textbook of Heart Failure

Oxford University Press Written by internationally renowned leaders in their field and relevant to all practicing clinicians, this textbook comprehensively covers all aspects of heart failure, and suggests the optimal evidence-based management for heart failure patients.

Three-dimensional Echocardiography

W B Saunders Company