
Recherche Jfr Radiologie

The War Lawyers

Biological sciences. Series B

Carnets francophones

Progress in Pediatric Surgery

10th international conference ; proceedings

Sterilisation of Biomaterials and Medical Devices

Spina Bifida

MRI of the Body

How Artificial Intelligence Can Make Healthcare Human Again

Heat Shock Proteins and Cytoprotection

Medical Image Computing and Computer-Assisted Intervention -- MICCAI 2012

Obsessed by a Dream

Traumatic Injuries of the Knee

Tumours of the Hand

Encyclopedia of Neuroscience

Science Citation Index

Acta Radiologica

The History of Oncology

Arrhythmogenic RV Cardiomyopathy/Dysplasia

15th International Conference, Nice, France, October 1-5, 2012, Proceedings

Recent Advances

Index of Conference Proceedings

Diagnosis

Proceedings of the Royal Society of London

Management and Outcome

Deep Medicine

The War Lawyers

Index to Scientific Reviews

Review Of Radiology

Machine Learning in Industry

JFR 2010 ; 31e journées francophones ; 58e Journées Françaises de Radiologie ; 22 - 26 octobre 2010, Paris ; [livre des résumés]

A Stereotaxic Atlas of the Grey Lesser Mouse Lemur Brain (*Microcebus Murinus*)

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SHILOH KIERA

The War Lawyers Oxford University
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de Radiologie ; 22 - 26 octobre 2010,
Paris ; [livre des résumés]The War
LawyersThe United States, Israel, and
Juridical WarfareOxford University Press,
USA

Biological sciences. Series B Elsevier

Over the past 15 years, there has been a growing need in the medical image computing community for principled methods to process nonlinear geometric data. Riemannian geometry has emerged as one of the most powerful mathematical and computational frameworks for analyzing such data. Riemannian Geometric Statistics in Medical Image Analysis is a complete reference on statistics on Riemannian manifolds and more general nonlinear spaces with applications in medical image analysis. It provides an introduction to the core methodology

followed by a presentation of state-of-the-art methods. Beyond medical image computing, the methods described in this book may also apply to other domains such as signal processing, computer vision, geometric deep learning, and other domains where statistics on geometric features appear. As such, the presented core methodology takes its place in the field of geometric statistics, the statistical analysis of data being elements of nonlinear geometric spaces. The foundational material and the advanced techniques presented in the later parts of the book can be useful in domains outside medical imaging and present important applications of geometric statistics methodology. Content includes: The foundations of Riemannian

geometric methods for statistics on manifolds with emphasis on concepts rather than on proofs. Applications of statistics on manifolds and shape spaces in medical image computing. Diffeomorphic deformations and their applications. As the methods described apply to domains such as signal processing (radar signal processing and brain computer interaction), computer vision (object and face recognition), and other domains where statistics of geometric features appear, this book is suitable for researchers and graduate students in medical imaging, engineering and computer science. A complete reference covering both the foundations and state-of-the-art methods. Edited and authored by leading researchers in the field. Contains theory,

examples, applications, and algorithms
Gives an overview of current research
challenges and future applications
Carnets francophones Academic Press
This Open Access biography chronicles
the life and achievements of the
Norwegian engineer and physicist Rolf
Widerøe. Readers who meet him in the
pages of this book will wonder why he
isn't better known. The first of Widerøe's
many pioneering contributions in the
field of accelerator physics was the
betatron. He later went on to build the
first radiation therapy machine, an
advance that would eventually
revolutionize cancer treatment. Hospitals
worldwide installed his machine, and
today's modern radiation treatment
equipment is based on his inventions.
Widerøe's story also includes a fair share

of drama, particularly during World War
II when both Germans and the Allies vied
for his collaboration. Widerøe held
leading positions in multinational
industry groups and was one of the
consultants for building the world's
largest nuclear laboratory, CERN, in
Switzerland. He gained over 200
patents, received several honorary
doctorates and a number of international
awards. The author, a professional writer
and maker of TV documentaries, has
gained access to hitherto restricted
archives in several countries, which
provided a wealth of new material and
insights, in particular in relation to the
war years. She tells here a gripping and
illuminating story.

Progress in Pediatric Surgery ~Laø
recherche en imagerie: notre avenir à

tousJFR 2010 ; 31e journées francophones ; 58e Journées Françaises de Radiologie ; 22 - 26 octobre 2010, Paris ; [livre des résumés]The War LawyersThe United States, Israel, and Juridical Warfare

The current textbooks for specialists are too detailed. This book will be a handy pocket guide for trainee vascular radiologists, and will serve as an aide-memoire for senior vascular radiologists. Each procedure will be shown in its entirety. Rather than being a library purchase, this book will be a handy and accessible guide for quick reference aimed at clinical interventional radiologists in multidisciplinary staff rooms and angiography suites.

10th international conference ; proceedings Springer Science &

Business Media

The effective sterilisation of any material or device to be implanted in or used in close contact with the human body is essential for the elimination of harmful agents such as bacteria. Sterilisation of biomaterials and medical devices reviews established and commonly used technologies alongside new and emerging processes. Following an introduction to the key concepts and challenges involved in sterilisation, the sterilisation of biomaterials and medical devices using steam and dry heat, ionising radiation and ethylene oxide is reviewed. A range of non-traditional sterilisation techniques, such as hydrogen peroxide gas plasma, ozone and steam formaldehyde, is then discussed together with research in

sterilisation and decontamination of surfaces by plasma discharges. Sterilisation techniques for polymers, drug-device products and tissue allografts are then reviewed, together with antimicrobial coatings for 'self-sterilisation' and the challenge presented by prions and endotoxins in the sterilisation of reusable medical devices. The book concludes with a discussion of future trends in the sterilisation of biomaterials and medical devices. With its distinguished editors and expert team of international contributors, Sterilisation of biomaterials and medical devices is an essential reference for all materials scientists, engineers and researchers within the medical devices industry. It also provides a thorough overview for academics and

clinicians working in this area. Reviews established and commonly used technologies alongside new and emerging processes Introduces and reviews the key concepts and challenges involved in sterilisation Discusses future trends in the sterilisation of biomaterials and medical devices

Sterilisation of Biomaterials and Medical Devices Springer Science & Business Media

This book covers all aspects (biological, pathological, genetic, clinical and therapeutical) of arrhythmogenic right ventricular cardiomyopathy/dysplasia, a recent cardiomyopathy which represents a very high risk of sudden death in the young and in the athletes. This monograph gathers the results of a five-year research program on ARVC/D which

allowed the discovery of 5 disease-causing genes, thus opening new avenues for the early identification of affected patients.

Spina Bifida CRC Press

Despite all recent advances, the most important progress in neuroradiology has been in our knowledge of the anatomy of the nervous system.

DANDY'S injection of ventricles and cisterns with air, SICARD'S studies of the epidural and subarachoid space with lipiodol, MONIZ'S work on cerebral arteries and veins, and, more recently, DJINDJIAN'S and DI CHIRO'S investigations of spinal arteries, have modified, refined and expanded current knowledge of anatomy of the central nervous system. As described by LINDGREN, "the neuroradiologist dissects the region of

interest with x-rays like a surgeon with a scalpel". In fact, neuroradiologic examination is nothing less than an anatomic survey in vivo, using multiple orthogonal projections. The authors of this book are convinced that frequent reference to normal anatomy is currently the most useful and rewarding means of understanding neuroradiologic problems. Arteries and veins of the brain may be considered in terms of the sulci, gyri, cisterns, ventricles, basal nuclei, and cortical centers. In this book, efforts have been made to match anatomic elements of the ventricles, cisterns, and vessels to the region being studied. The foundation of this book lies in the detailed anatomico-radiologic correlations, demonstrated by numerous photographs of dissected specimens,

radiographs of injected specimens, anatomic drawings, diagrams, and normal cerebral angiograms and encephalograms. Indeed, there is no region in the central nervous system which cannot be delineated by its relationships with arteries, veins, cisterns, and ventricles.

Elsevier Science Limited

The aim of this book to promote a multidisciplinary approach to Spina Bifida, providing the three main specialists categories involved - neurosurgeon, orthopedic surgeons, and urologists - with a concise reference that explains the main clinical problems to be faced in everyday clinical practice. The book also provides the busy specialist with an updated overview of surgical approaches.

MRI of the Body Springer Science & Business Media

Alors que l'aide au développement reste obscure dans la plupart des esprits et qu'une grande incompréhension des buts et rouages de la coopération internationale a gagné le large public, l'ouvrage se plonge concrètement au cœur d'un projet francophone destiné à la formation des professionnels de santé et à la diffusion du numérique éducatif. Il ...

How Artificial Intelligence Can Make Healthcare Human Again Springer Nature

As with the introduction of x-ray computed tomography, much of the initial development of magnetic resonance applications tended to focus on the central nervous system. The

development of magnetic resonance imaging applications to other organ systems such as the chest, abdomen, pelvis and extremities has lagged somewhat behind, awaiting technical improvements, and a broader user base. The past two years have seen a marked increase in imaging applications throughout the body, most notably the musculoskeletal system. It is in this regard, that MRI of the Body is a welcome arrival as a text which describes both basic principles of magnetic resonance imaging and surveys the current status of magnetic resonance imaging applications throughout the body. The volume is concise, focused, clinically oriented, and abundantly illustrated. In each organ system, the appropriate technical

approach is discussed, the normal anatomic features are reviewed, and the range of pathologic appearances which may be encountered are described. The authors of the chapters provide a balanced overview of MR applications and describe both present limitations and future potential of magnetic resonance imaging applications in the organ system described.

Heat Shock Proteins and Cytoprotection Bohn Stafleu van Loghum

Vols. for 1964- have guides and journal lists.

Medical Image Computing and Computer-Assisted Intervention -- MICCAI 2012 Springer Science & Business Media

The use of lasers in medical practice has

dramatically increased over the years. Lasers and modern optics have largely been unexplored in medical science. This contributed work is both optimistic and cautionary in its expert evaluation of the state-of-the-art medical use of laser technology. The use of lasers to improve upon conventional practice is highlighted in the foreword by the late Dr. Leon Goldman, widely regarded as the father of laser medicine. Focused on filling a need for a "basic physics" understanding of laser-tissue interactions, *Lasers in Medicine* brings together contributions from experts in various medical specialties, including ophthalmology, dermatology, and cardiovascular medicine. Each chapter addresses significant applications of laser technology and offers the author's

perspective on the state-of-the-art within that specialty. The discussions convey enough basic information to enable readers to assess a laser's usefulness for a specific purpose and to understand its limitations: A clinical engineer needs to know what laser to use for tattoo removal-Chapter 1 lists laser wavelengths available and pulse characteristics for absorption in tattoo ink to thermally decompose the ink, allowing the body to remove it. An oncologist discovers cancerous tissue in the lining of a bladder-can photodynamic therapy be used to treat it, and what is the success rate? Chapter 10 details treatment and Chapter 6 tells how to find exactly where the cancer is located. A newly graduated ophthalmologist needs to know the advantages a laser

can bring to his profession-Chapter 8 can provide the information he needs to know. Lasers have made many advances in medicine-especially in ophthalmology, dermatology, and cardiology-sparking a wave of enthusiasm. Lasers in Medicine supplies sufficient fundamental knowledge in order to more appropriately assess a laser's usefulness for a specific purpose, and to not attempt to purchase or utilize a laser when it is not the best solution.

Obsessed by a Dream Springer Nature

This book provides a unique and timely multidisciplinary synthesis of our current knowledge of the anatomy, pharmacology, physiology and pathology of the substantia nigra pars compacta (SNc) dopaminergic neurons. The single chapters, written by top scientists in

their fields, explore the life cycle of dopaminergic neurons from their birth to death, the cause of Parkinson's disease, the second most common and disabling condition in the elderly population. Nevertheless, the intracellular cascade of events leading to dopamine cell death is still unknown and, consequently, treatment is symptomatic rather than preventive. The mechanisms by which alterations cause neuronal death, new therapeutic approaches and the latest evidence of a possible de novo neurogenesis in the SNc are reviewed and singled out in different chapters. This book bridges basic science and clinical practice and will prepare the reader for the next few years, which will surely be eventful in terms of the progress of dopamine research.

Traumatic Injuries of the Knee Springer
Science & Business Media

Over the last 20 years the world's most advanced militaries have invited a small number of military legal professionals into the heart of their targeting operations, spaces which had previously been exclusively for generals and commanders. These professionals, trained and hired to give legal advice on an array of military operations, have become known as war lawyers. The War Lawyers examines the laws of war as applied by military lawyers to aerial targeting operations carried out by the US military in Iraq and Afghanistan, and the Israel military in Gaza. Drawing on interviews with military lawyers and others, this book explains why some lawyers became integrated in the chain

of command whereby military targets are identified and attacked, whether by manned aircraft, drones, and/or ground forces, and with what results. This book shows just how important law and military lawyers have become in the conduct of contemporary warfare, and how it is understood. Jones argues that circulations of law and policy between the US and Israel have bolstered targeting practices considered legally questionable, contending that the involvement of war lawyers in targeting operations enables, legitimises, and sometimes even extends military violence.

Tumours of the Hand Elsevier

One of America's top doctors reveals how AI will empower physicians and revolutionize patient care Medicine has

become inhuman, to disastrous effect. The doctor-patient relationship--the heart of medicine--is broken: doctors are too distracted and overwhelmed to truly connect with their patients, and medical errors and misdiagnoses abound. In *Deep Medicine*, leading physician Eric Topol reveals how artificial intelligence can help. AI has the potential to transform everything doctors do, from notetaking and medical scans to diagnosis and treatment, greatly cutting down the cost of medicine and reducing human mortality. By freeing physicians from the tasks that interfere with human connection, AI will create space for the real healing that takes place between a doctor who can listen and a patient who needs to be heard. Innovative, provocative, and hopeful, *Deep Medicine*

shows us how the awesome power of AI can make medicine better, for all the humans involved.

[Encyclopedia of Neuroscience](#) Springer

The first edition of this book has been out of print for some time and I have decided to follow the publisher's kind suggestion to prepare a new edition. Many examples with explicit inversion formulas and range theorems have been added, and the group-theoretic viewpoint emphasized. For example, the integral geometric viewpoint of the Poisson integral for the disk leads to interesting analogies with the X-ray transform in Euclidean 3-space. To preserve the introductory flavor of the book the short and self-contained Chapter Von Schwartz' distributions has been added. Here §5 provides proofs of

the needed results about the Riesz potentials while §§3-4 develop the tools from Fourier analysis following closely the account in Hormander's books [1963] and [1983]. There is some overlap with my books [1984] and [1994b] which however rely heavily on Lie group theory. The present book is much more elementary. I am indebted to Sine Jensen for a critical reading of parts of the manuscript and to Hilgert and Schlichtkrull for concrete contributions mentioned at specific places in the text. Finally I thank Jan Wetzel and Bonnie Friedman for their patient and skillful preparation of the manuscript.

Science Citation Index Springer Science & Business Media

This 5000-page masterwork is literally the last word on the topic and will be an

essential resource for many. Unique in its breadth and detail, this encyclopedia offers a comprehensive and highly readable guide to a complex and fast-expanding field. The five-volume reference work gathers more than 10,000 entries, including in-depth essays by internationally known experts, and short keynotes explaining essential terms and phrases. In addition, expert editors contribute detailed introductory chapters to each of 43 topic fields ranging from the fundamentals of neuroscience to fascinating developments in the new, interdisciplinary fields of Computational Neuroscience and Neurophilosophy. Some 1,000 multi-color illustrations enhance and expand the writings.

Acta Radiologica Oxford University Press

This thoroughly revised and updated reference addresses the drugs and chemicals causing malformations and congenital anomalies in the human fetus-comprehensively reviewing experimental studies in animals and clinical data on human development, primarily in the organogenesis period. Addressing current public health concerns over teratogens, *Chemically Induced Birth Defects, Third Edition* covers and condenses the 2500 new publications on developmental toxicology that appear every year. Provides comprehensive identification of teratogens by chemical, generic, and trade names. *Chemically Induced Birth Defects, Third Edition* discusses the interrelation of over 4100 chemicals in current use, still in the experimental

stage, or now obsolete covers recently available drugs, such as misoprostol and fluconazole utilizes the latest Good Laboratory Practices-conducted studies to evaluate specific agents investigates up-to-the-minute impairments of maternal homeostasis that may lead to teratogenesis surveys chemicals by use, distinguishing medicinals from industrial chemicals elucidates recent research on chemicals linked to endocrine disruption and more Containing over 10,000 citations from the literature, *Chemically Induced Birth Defects, Third Edition* deserves a place on the bookshelves of all toxicologists, teratologists, pediatricians, obstetricians, gynecologists, environmentalists, biochemists, oncologists, pharmacologists, endocrinologists, and

upper-level undergraduate, graduate, and medical school students in these disciplines.

The History of Oncology Springer Science & Business Media

'The story of oncology is not only fascinating but also contains many accounts of dead ends, chance discoveries, illusions, mistakes and disappointments alongside the few successes.' These words are taken from the introduction to this book. The author, professor emeritus of Medical Oncology, reviews all aspects of the problem of cancer from a historical perspective, from the oldest existing records to the latest scientific and medical advances. It will interest the many people engaged in the treatment of cancer to read how the current therapeutic methods came

about, and the book may also provide inspiration for cancer researchers, and for all those directly or indirectly involved with cancer. The layman looking for background information on a particular treatment may find it useful too. The various chapters can be read independently. A glossary and a few explanatory diagrams augment the text. This book grew out of an invitation the author received to lecture on the history of oncology. During his background reading, he discovered that there was no single volume dealing with the entire history of the subject. Fortunately, however, a great deal of information could be found here and there in the literature. As he read, he was struck by the fascinating stories behind many discoveries, and felt

impelled to put them together in a single comprehensive account. The results of his labors are presented in this remarkable volume. The author, Prof. D.J.Th. (Theo) Wagener, was head of the department of Medical Oncology at the Radboud University Nijmegen Medical Centre in the Netherlands from 1982 to 2001, chairman of the Educational Committee of the European Society of Medical Oncology (ESMO), a member of the Educational Committee of the American Society of Clinical Oncology (ASCO) and a member of various international scientific working groups, mainly of the European Organization for Research and Treatment of Cancer (EORTC).

Arrhythmogenic RV
Cardiomyopathy/Dysplasia Springer

Science & Business Media

Together, the volumes in this series present all of the data needed at various length scales for a multidisciplinary approach to modeling and simulation of flows in the cardiovascular and ventilatory systems, especially multiscale modeling and coupled simulations. The cardiovascular and respiratory systems are tightly coupled, as their primary function is to supply oxygen to, and remove carbon dioxide from, the body's cells. Because physiological conduits have deformable and reactive walls, macroscopic flow behavior and prediction must be coupled to nano- and microscopic events in a corrector scheme of regulated mechanism. Therefore, investigation of flows of blood and air in physiological

conduits requires an understanding of the biology, chemistry, and physics of these systems, together with the mathematical tools to describe their functioning in quantitative terms. The present volume focuses on macroscopic

aspects of the cardiovascular and respiratory systems in normal conditions, i.e., anatomy and physiology, as well as the acquisition and processing of medical images and physiological signals.

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