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## KEY=TRANSDUCER - CAYDEN HUERTA

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### MANUAL OF DIAGNOSTIC ULTRASOUND

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World Health Organization A didactic, illustrated guide to the use of ultrasound as a diagnostic tool in clinical practice. Prepared by an international group of experts with wide experience in both developed and developing countries, the manual responds to the need for a basic reference text that can help doctors, sonographers, nurses, and midwives solve imaging problems when no experts are available. With this need in mind, the manual adopts a practical approach aimed at providing a thorough grounding in both the techniques of ultrasound and the interpretation of images. The need for extensive supervised training is repeatedly emphasized. Because the clinical value of ultrasound depends so greatly on the experience and skill of the operator, the manual makes a special effort to alert readers to common pitfalls and errors, and to indicate specific clinical situations where ultrasound may not be helpful or reliable as a diagnostic tool. Explanatory text is supported by numerous practical tips, warnings, checklists and over 600 illustrations. The opening chapters explain how ultrasound works, outline the factors to consider when choosing a scanner, and introduce the basic rules of scanning, including advice on how to recognize and interpret artefacts. Guidance on the selection of ultrasound equipment includes clear advice concerning where costs can be spared and where investment is essential. The core of the manual consists of seventeen chapters providing guidance on scanning techniques and the interpretation of images for specific organs and anatomical sites, with the most extensive chapter devoted to obstetrics. Each chapter contains illustrated information on indications for scanning, preparation of the patient, including choice of transducer and setting of the correct gain, general scanning techniques, and specific techniques for identifying anatomical landmarks and recognizing abnormalities. The manual concludes with WHO specifications for a general-purpose scanner judged entirely suitable for 90-95% of the most common ultrasound examinations.

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### CONTRAST-ENHANCED MAMMOGRAPHY

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Springer This book is a comprehensive guide to contrast-enhanced mammography (CEM), a novel advanced mammography technique using dual-energy mammography in combination with intravenous contrast administration in order to increase the diagnostic performance of digital mammography. Readers will find helpful information on the principles of CEM and indications for the technique. Detailed attention is devoted to image interpretation, with presentation of case examples and highlighting of pitfalls and artifacts. Other topics to be addressed include the establishment of a CEM program, the comparative merits of CEM and MRI, and the roles of CEM in screening populations and monitoring of response to neoadjuvant chemotherapy. CEM became commercially available in 2011 and is increasingly being used in clinical practice owing to its superiority over full-field digital mammography. This book will be an ideal source of knowledge and guidance for all who wish to start using the technique or to learn more about it.

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### ELECTROCARDIOGRAPHY IN VETERINARY MEDICINE

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Springer Nature This book provides essential information on methodologies for recording electrocardiograms in various animal species, including dogs, cats, cattle, buffaloes, sheep, goats, mithun, chelonians, snakes, avians, equines, rabbits, and the Indian gray mongoose. It also reviews the electrocardiographic physiology, generation of electrocardiograms, and normal criteria for various animal species; electrocardiograms in health and disease; and the interpretation of abnormal electrocardiograms, cardiomyopathy and arrhythmias, with corresponding treatment protocols. Further, it presents several approaches to interpreting the electrocardiograms of dogs, cats, ruminants, tortoises, pigeons, and other animals, offering a valuable resource for all veterinary students, scientists, and physicians wanting to make greater use of this valuable non-invasive tool in the diagnosis of heart diseases and general health examinations.

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### PRENATAL GENE THERAPY

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#### CONCEPTS, METHODS, AND PROTOCOLS

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Humana Press The emerging field of prenatal gene therapy is founded on scientific and technical advances in fetal medicine, molecular biology and gene therapy. This preclinical research subject aims at applying gene therapy during pregnancy for the prevention of human diseases caused by early onset congenital or gestation related conditions. In Prenatal Gene Therapy: Concepts, Methods and Protocols, expert researchers in the field detail many of the protocols which are now commonly used to study gene therapy, fetal medicine and medical ethics. These include detailed protocols for vector production, for breeding and husbandry of the animal models, for the surgical procedures of gene delivery in large and small animals and for the methods of gene transfer analysis. Written in the highly successful Methods in Molecular Biology™ series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and key tips on troubleshooting and avoiding known pitfalls. Thorough and intuitive, Prenatal Gene Therapy: Concepts, Methods and Protocols seeks to aid scientists in the further study of prenatal disease and gene therapy projects beyond the scope of fetal medicine.

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### SONOGRAPHIC PERIPHERAL NERVE TOPOGRAPHY

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#### A LANDMARK-BASED ALGORITHM

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Springer This first of its kind richly illustrated book provides a tabular and schematic representation of all the peripheral nerves in the human body using a standardized landmark-based algorithm for the definition of the nerve's "Point of optimal visibility (POV)". In this atlas the nerves of the human body are depicted with high-frequency ultrasound probes with frequencies up to 24 MHz; it presents not only the "known" large nerves (N. ischiadicus, N. femoralis, N. medianus etc.), but also the tiny nerves you have learned in your anatomy sessions but forgotten in the course of time! Based on clear illustrations using palpable/visible external and easily accessible internal landmarks, it offers "nerve sonographers" a clear sonoanatomic guidance on how to easily find the nerve. Additionally, it describes the exact positioning of the probe so that each nerve can be found at its point of optimal visibility. These mental maps for nerve sonographers are intended not only for beginners but also for "advanced" specialists requiring instructions on how to easily find even tiny peripheral nerves: especially for neurologists, anaesthesiologists, radiologists, pain practitioners, rheumatologists and surgeons who seek a clear standardized step by step manual on "Where do I find a nerve the easiest?"

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### CONTEMPORARY INTERVENTIONAL ULTRASONOGRAPHY IN UROLOGY

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Springer Science & Business Media Exciting new developments and applications of imaging techniques have emerged over the last few years, leading to many improvements in diagnosis and staging of urologic diseases. Refinements in the technology mean that imaging now is much more precise than even five years ago, and this has significantly enhanced its application within several key fields. As such, there are virtually no books currently available that cover the impact of these advances within urology leaving a major hole in the market. With its sound overview of the current state of affairs, and also its focus on highlighting future advances, this book would therefore find a significant audience within not only trainees, but also practicing clinicians too. Furthermore, the whole topic of ultrasonography is a relatively overlooked one, with very few modern books tackling any specific areas of the field. This book will be up-to-date and will pay attention to the unique applications of ultrasound within each discipline.

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### THE RADIOLOGY HANDBOOK

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#### A POCKET GUIDE TO MEDICAL IMAGING

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Ohio University Press Designed for busy medical students, The Radiology Handbook is a quick and easy reference for any practitioner who needs information on ordering or interpreting images. The book is divided into three parts: - Part I presents a table, organized from head to toe, with recommended imaging tests for common clinical conditions. - Part II is organized in a question and answer format that covers the following topics: how each major imaging modality works to create an image; what the basic precepts of image interpretation in each body system are; and where to find information and resources for continued learning. - Part III is an imaging quiz beginning at the head and ending at the foot. Sixty images are provided to self-test knowledge about normal imaging anatomy and common imaging pathology. Published in collaboration with the Ohio University College of Osteopathic Medicine, The Radiology Handbook is a convenient pocket-sized resource designed for medical students and non radiologists.

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### ULTRASONOGRAPHY OF THE NECK

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Springer Science & Business Media Owing to the anatomic complexity of the neck and the diversity of pathologic entities affecting it, the cervical region has long been of great semiological interest. Physical examination is an easy means of evaluating the size and origin of a solitary cervical mass, yet valid interpretation can prove difficult when the normal morphology of the neck has been altered; excellent examples are patients with extensive fibrosis or scarring secondary to previous irradiation or surgery. Like wise, physical examination cannot assess the relations of a pathologic process to adjacent structures - e. g., invasion can not be distinguished from simple displacement -and it is unsuitable for monitoring therapeutic efficacy, such as the response of metastatic nodes to medical management. Between physical examination, which remains fundamental, and exploratory surgical procedures, which are often the only means of obtaining indispensable anatomic proof for diagnosis, lie a number of recent imaging techniques including computed tomography and magnetic resonance imaging using surface coils that provide invaluable information for the investigation of cervical pathologies. Real-time ultrasonography occupies a privileged position because of its noninvasiveness, rapidity, and reliability, especially when performed by a specially trained examiner.

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### DRUG DELIVERY SYSTEMS

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World Scientific With the alarming increase in cancer diagnoses and genetic illnesses, traditional drug agents and their delivery media need to be re-evaluated to address a quickly evolving field. With

newer smart materials for the controlled release of macromolecules, peptides, genetic material, etc. further complications arise, such as material performance, synthesis, functionalization and targeting, biological identity, and biocompatibility. The book provides a comprehensive overview of the recent developments on "smart" targeting and drug delivery systems with a variety of carriers like nanoparticles, membranes, and hydrogels. It contains detailed descriptions on the recent trends in this field in the ongoing battle with catastrophic diseases like cancer. This field of research has been in its infancy and continues to face growth, and with it, further challenges and difficulties along the way toward maturity, which are accurately introduced in this book. Contents: Drug Delivery Systems: Possibilities and Challenges (Ryan Spitler, Saeid Zanganeh, Tahereh Jafari, Nasser Khakpash, Mohsen Erfanzadeh, Jim Q Ho, and Nastaran Sakhaie) Nanoparticles in Circulation: Blood Stability (Saeid Zanganeh, Tahereh Jafari, Nasser Khakpash, Mohsen Erfanzadeh, and Jim Q Ho) How do Nanoparticles (NPs) Pass Barriers? (Saeid Zanganeh, Ryan Spitler, Najme Javdani, and Jim Q Ho) Gated Porous Materials for Biomedical Application (Félix Sancenón, Erick Yu, Elena Aznar, M Dolores Marcos, and Ramón Martínez-Máñez) Controlled Release from Iron Oxide Nanoparticles (Masoud Rahman) The Reverse of Controlled Release: Controlled Sequestration of Species and Biotoxins into Nanoparticles (NPs) (Jenifer Gómez-Pastora, Eugenio Bringas, María Lázaro-Díez, José Ramos-Vivas, and Inmaculada Ortiz) Membranes for Controlled Release (Vida Araban, Neda Aslankoochi, and Mohammad Raoufi) Controlled Release from Hydrogel (Hossein Riahiinezhad, Vida Araban, and Mohammad Raoufi) Nano Delivery Systems (Sophie Laurent, Afsaneh Lahooti, Saeed Shanehsazzadeh, and Robert N Muller) Legal Framework for Protection of Pharmaceutical Trade Marks in Europe and USA (Mohammad Hossein Erfanzadeh, and Shirin Sharifzadeh) Future Perspective on the Smart Delivery of Biomolecules (Erick Yu, Félix Sancenón, Elena Aznar, Ramón Martínez-Máñez, María Dolores Marcos, Mohammad J Hajipour, Morteza Mahmoudi, and Pieter Stroeve) Readership: Nanotechnologists; biomedical engineers; chemical engineers; materials scientists; biotechnology researchers; chemists; biological scientists; cell physiologists; medical scientists; gene therapists. Keywords: Drug Delivery Systems; Nanoparticles; Biomaterials; Targeting Review: Key Features: Comprehensive overview on "smart" targeting and drug delivery systems Understanding of the biological identity of nanoparticles for drug delivery applications Detailed information on the legal framework for protection of pharmaceutical trade mark in Europe and the United States

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## PHYSICIANS' CANCER CHEMOTHERAPY DRUG MANUAL 2021

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Jones & Bartlett Learning Written by world-class experts in clinical cancer therapeutics, Physicians' Cancer Chemotherapy Drug Manual 2021 provides a complete, easy-to-use catalog of over 100 drugs and commonly used drug regimens—both on- and off-label—for the treatment of all the major cancers.

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## VASCULAR DIAGNOSIS WITH ULTRASOUND

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### CLINICAL REFERENCE WITH CASE STUDIES

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Thieme The critically acclaimed Vascular Diagnosis of Ultrasound returns in a new two-volume second edition, offering the most comprehensive information available on the broad spectrum of vascular ultrasound applications. Volume 1: Cerebral and Peripheral Vessels retains the accessible design and structure of the first edition to discuss the available ultrasound technologies, including continuous and pulsed-wave Doppler mode, b-mode, and conventional and color-coded duplex analysis in frequency and amplitude power modes. This text covers anatomy, physiology, normal and abnormal findings, test accuracy and sensitivity, providing the reader with the information essential to managing common clinical situations. Highlights: Provides comprehensive coverage of vascular ultrasonography in the arteries and veins of the cerebral circulation and the peripheral upper and lower limb circulation Compares other diagnostic methods used in each region, such as conventional and noninvasive MR angiography Assesses recent developments in ultrasound technology, including tissue perfusion studies, 3D and 4D imaging, contrast enhancement and microbubble applications, and their diagnostic, technological, and therapeutic implications Features new challenging case studies for both the novice and the expert to review With contributions from experts in the field and more than 500 line drawings and images, this text is an indispensable reference for radiologists, vascular surgeons, and residents and students in these specialties.

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## RETROGRADE URETEROSCOPY

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### HANDBOOK OF ENDOUROLOGY

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Academic Press Retrograde Ureteroscopy: Handbook of Endourology contains five focused, review-oriented volumes that are ideal for students and clinicians looking for a comprehensive review rather than a whole course. Each volume is easily accessible through eBook format. Topics covered review both the endourological diagnosis and treatment of prostate, urethral, urinary bladder, upper urinary tract, and renal pathology, with all chapters describing the most recent techniques, reviewing the latest results, and analyzing the most modern technologies. In the past ten years, the field of endourology has expanded beyond the urinary tract to include all urologic, minimally-invasive surgical procedures. Recent advancements in robotic and laparoscopic bladder surgery make this one of the fastest moving fields in medicine. As current textbooks are too time-consuming for busy urologists or trainees who also need to learn other areas of urology, this collection provides a quick references with over 4000 images that are appropriate for fellows and those teaching in the field. Offers review content for urologists in training and "refresher" content for experts in endourology Explores new surgical techniques and technology through review-level content and extensive images of pathologies Includes over 500 images per volume that were taken from more than 4000 endourologic procedures performed annually at the editor's hospital

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## THE NATIONAL PARK SERVICE

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Westview Press

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## RADIOTHERAPY IN PRACTICE - IMAGING

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Oxford University Press Imaging is a critical component of the management of patients having radiotherapy. This book covers the basic principles of the main imaging modalities; site specific chapters give best practice for individual tumour sites, and it also contains information on radioprotection and regulatory issues.

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## CLINICAL ANATOMY AND PHYSIOLOGY OF EXOTIC SPECIES

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### STRUCTURE AND FUNCTION OF MAMMALS, BIRDS, REPTILES, AND AMPHIBIANS

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Saunders Limited The first in-depth textbook of its kind, this resource deals solely with the comparative anatomy and physiology of exotic species - small mammals, reptiles, and birds. For these commonly encountered species, it highlights clinical considerations for veterinary treatment. The book is heavily illustrated with clear line diagrams, radiographs, and color illustrations, explaining clearly the functioning of exotic species. The first textbook to provide comprehensive coverage of the comparative anatomy and physiology of exotic species. Written specifically to give the veterinary practitioner a better understanding of the functioning of exotic species. Profusely illustrated with clear line diagrams, radiographs, and color plates. With 3 contributors

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## HOW SMART MACHINES THINK

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MIT Press Everything you've always wanted to know about self-driving cars, Netflix recommendations, IBM's Watson, and video game-playing computer programs. The future is here: Self-driving cars are on the streets, an algorithm gives you movie and TV recommendations, IBM's Watson triumphed on Jeopardy over puny human brains, computer programs can be trained to play Atari games. But how do all these things work? In this book, Sean Gerrish offers an engaging and accessible overview of the breakthroughs in artificial intelligence and machine learning that have made today's machines so smart. Gerrish outlines some of the key ideas that enable intelligent machines to perceive and interact with the world. He describes the software architecture that allows self-driving cars to stay on the road and to navigate crowded urban environments; the million-dollar Netflix competition for a better recommendation engine (which had an unexpected ending); and how programmers trained computers to perform certain behaviors by offering them treats, as if they were training a dog. He explains how artificial neural networks enable computers to perceive the world—and to play Atari video games better than humans. He explains Watson's famous victory on Jeopardy, and he looks at how computers play games, describing AlphaGo and Deep Blue, which beat reigning world champions at the strategy games of Go and chess. Computers have not yet mastered everything, however; Gerrish outlines the difficulties in creating intelligent agents that can successfully play video games like StarCraft that have evaded solution—at least for now. Gerrish weaves the stories behind these breakthroughs into the narrative, introducing readers to many of the researchers involved, and keeping technical details to a minimum. Science and technology buffs will find this book an essential guide to a future in which machines can outsmart people.

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## ULTRASOUND

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### THE REQUISITES

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Elsevier Health Sciences This best-selling volume in The Requisites Series provides a comprehensive introduction to timely ultrasound concepts, ensuring quick access to all the essential tools for the effective practice of ultrasonography. Comprehensive yet concise, Ultrasound covers everything from basic principles to advanced state-of-the-art techniques. This title perfectly fulfills the career-long learning, maintenance of competence, reference, and review needs of residents, fellows, and practicing physicians.

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## REHABILITATION OF SPORTS INJURIES

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### SCIENTIFIC BASIS

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John Wiley & Sons Rehabilitation is, by definition, the restoration of optimal form and function for an athlete. In this edition in the Encyclopedia series, the editor and contributors advocate that rehabilitation should begin as soon as possible after the injury occurs, alongside therapeutic measures such as anti-inflammatories and other pain killing agents. This might also begin before, or immediately after, surgery. The rehabilitative process is therefore managed by a multi-disciplinary team, including physicians, physiotherapists, psychologists, nutritionists, and athletic trainers, among others. This book considers the three phases of rehabilitation: pain relief, protection of the affected area and limitation of tissue damage; limitation of impairment and recovery of flexibility, strength, endurance, balance and co-ordination; and finally the start of conditioning to return to training and competition.

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## ANNOTATIONS TO QUANTUM STATISTICAL MECHANICS

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CRC Press This book is a rewritten and annotated version of Leo P. Kadanoff and Gordon Baym's lectures that were presented in the book Quantum Statistical Mechanics: Green's Function Methods in Equilibrium and Nonequilibrium Problems. The lectures were devoted to a discussion on the use of thermodynamic Green's functions in describing the properties of many-particle systems. The functions provided a method for discussing finite-temperature problems with no more conceptual difficulty than ground-state problems, and the method was equally applicable to boson and fermion systems and

equilibrium and nonequilibrium problems. The lectures also explained nonequilibrium statistical physics in a systematic way and contained essential concepts on statistical physics in terms of Green's functions with sufficient and rigorous details. In-Gee Kim thoroughly studied the lectures during one of his research projects but found that the unspecialized method used to present them in the form of a book reduced their readability. He started the tedious work of rewriting and annotating them to fully understand the formalism of nonequilibrium quantum statistical mechanics. While doing so, he realized they can be a useful resource for students of modern physics but will have to be upgraded to match pace with the evolved curricula. Being aware that besides completing the course work and passing the relevant examinations, it is necessary for graduate students of modern physics to make the knowledge of a topic concrete in their minds. This book is a systematically prepared summary of those lectures and will be extremely useful for graduate students as well as senior researchers to settle down the key knowledge of the subject.

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## ULTRASONICS

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### FUNDAMENTALS, TECHNOLOGIES, AND APPLICATIONS, THIRD EDITION

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CRC Press Recent advances in power electronics greatly benefit the multidisciplinary field of modern ultrasonics. More powerful, compact, and versatile electronic chips and software enable new computer-based devices for real-time data capture, storage, analysis, and display and advance the science and technology employed in commercial systems and applications of ultrasound. Reviewing the scientific basis behind these improvements, *Ultrasonics: Fundamentals, Technologies, and Applications, Third Edition* discusses them in detail, with new and additional figures and references, offering a completely revised and expanded examination of the state of modern ultrasonics. This new edition of a bestselling industry reference discusses the full breadth of ultrasonics applications for industrial and medical use and provides the fundamentals and insights gathered over the authors' collective 80 years in the field. It provides a unique and comprehensive treatment of the science and technology behind the latest advancements and applications in both low and high power implementations. Coverage combines fundamental physics, a review and analysis of sensors and transducers, and the systems required for the full spectrum of industrial, nondestructive testing and medical and biomedical uses. It includes citations of numerous references and covers both main stream and the more unusual and obscure applications of ultrasound. Ultrasonics is ubiquitous in its industrial applications for sensing, NDT, and process measurements, in high power forms for processing and sonochemistry, as well as in medical procedures where it is used for diagnosis, therapy and surgery. This book provides a complete overview of the field, presenting numerous applications, cutting-edge advancements and improvements, additional figures and references, and a look at future directions.

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## RED HOOD

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HarperCollins A dark, engrossing, blood-drenched tale of the familiar threats to female power—and one girl's journey to regain it. Five starred reviews greeted this powerful story from Elana K. Arnold, author of the Printz Honor winner *Damsel*. You are alone in the woods, seen only by the unblinking yellow moon. Your hands are empty. You are nearly naked. And the wolf is angry. Since her grandmother became her caretaker when she was four years old, Bisou Martel has lived a quiet life in a little house in Seattle. She's kept mostly to herself. She's been good. But then comes the night of homecoming, when she finds herself running for her life over roots and between trees, a fury of claws and teeth behind her. A wolf attacks. Bisou fights back. A new moon rises. And with it, questions. About the blood in Bisou's past, and on her hands as she stumbles home. About broken boys and vicious wolves. About girls lost in the woods—frightened, but not alone.

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## SAFETY OF DIAGNOSTIC ULTRASOUND

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CRC Press This is a comprehensive, up-to-date clinical textbook on the bioeffects and safety of diagnostic ultrasound in obstetrics. It is an authoritative and detailed work, but free of technical jargon and formulas. In thirteen chapters by respected authorities from the United States, England, and Australia, it presents a well defined, logical progression of clinically relevant information beginning with a description of the ultrasound output of modern equipment. It describes the biological effects that can be produced, including the effects of ultrasound exposure on fetal development, sensitivity to diagnostic ultrasound, cavitation produced by diagnostic pulses, echocontrast agents, and acoustic streaming and radiation pressure in diagnostic applications. It also analyzes the latest clinical risk-benefit studies, cost effectiveness, and safety regulations, recommendations, and guidelines. It is unquestionably today's definitive textbook authority on safety in diagnostic ultrasound. In cludes bibliographic references and index.

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## ARTIFICIAL INTELLIGENCE REVOLUTION

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### HOW AI WILL CHANGE OUR SOCIETY, ECONOMY, AND CULTURE

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Simon and Schuster The co-founder of Baidu explains how AI will transform human livelihood, from our economy and financial systems down to our daily lives. Written by Baidu cofounder Robin Li and prefaced by award-winning sci-fi writer Cixin Liu (author of *The Three-Body Problem*), *Artificial Intelligence Revolution* introduces Baidu's teams of top scientists and management as pioneers of movement toward AI. The book covers many of the latest AI-related ideas and technological developments, such as: Computational ability Big data resources Setting the basic standards of AI in research and development An introduction to the "super brain" Intelligent manufacturing Deep learning L4 automated vehicles Smart finance The book describes the emergence of a "smart" society powered by technology and reflects on the challenges humanity is about to face. Li covers the most pressing AI-related ideas and technological developments, including: Will artificial intelligence replace human workers, and in what sectors of the economy? How will it affect healthcare and finance? How will daily human life change? Robin Li's *Artificial Intelligence Revolution* addresses these questions and more from the perspective of a pioneer of AI development. It's a must-read for anyone concerned about the emergence of a "smart" society powered by technology and the challenges humanity is about to face.

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## UNDERSTANDING ROBOTICS

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Elsevier *Understanding Robotics* is an introductory text on robotics and covers topics ranging from from the components of a robotic system, including sensors, to the industrial applications of robotics. The major factors justifying the use of robots for manufacturing are also discussed, along with the use of robots as a manufacturing tool, their impact on people, and the future of robotics. This book is comprised of eight chapters and begins with an overview of the roots of robotics and the use of robots in the manufacturing environment; advances in robot technology and typical applications of robots; reasons for using robots in the manufacturing environment; and the different manufacturing functions they perform, including visual inspection and intricate welding operations. A definition of the word "robot" is presented, and the impact of robots on jobs is considered. Subsequent chapters focus on the elements of a robot system, including the computer/controller, actuator power drive, and sensors; sensor applications in robotics; robotic usage by industry; economic justification of robotics; manufacturing technology and the role robotics can play in improving the United States' competitive manufacturing position; and the impact of robots on people and vice versa. The final chapter is devoted to market trends and competitiveness of the U.S. robotics industry and assesses the future prospects of robotics. This monograph should be a valuable resource for technologists and researchers interested in robots and robotics.

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## MONSTER GOLF SWING

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### HOW TO ADD 40-70 YARDS OF DISTANCE

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Add 40-70 yards of distance. Without changing your current with. Even if you are out of shape, injured and have the eyesight of a dirt faced gopher. The Monster Golf Swing Performance System will take you step by step and show you how to unleash the hidden power in your golf swing.

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## TECHNICAL MANUAL

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S Karger Pub

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## THE AUTOIMMUNE EPIDEMIC

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Simon and Schuster Why do our bodies rebel against themselves? Why are autoimmune disorders on the rise? What role do everyday environmental toxins play in triggering onset of these diseases? The author answers these questions with personal stories and sound scientific research and offers ways to combat the problem.

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## DRUG-INDUCED MITOCHONDRIAL DYSFUNCTION

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John Wiley & Sons This is the definitive, one-stop resource on preclinical drug evaluation for potential mitochondrial toxicity, addressing the issue upfront in the drug development process. It discusses mitochondrial impairment to organs, skeletal muscle, and nervous systems and details methodologies used to assess mitochondria function. It covers both in vitro and in vivo methods for analysis and includes the latest models. This is the authoritative reference on drug-induced mitochondrial dysfunction for safety assessment professionals in the pharmaceutical industry and for pharmacologists and toxicologists in both drug and environmental health sciences.

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## INDUSTRIAL AND SCIENTIFIC INSTRUMENTS

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### NEUROSONOLOGY AND NEUROIMAGING OF STROKE

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#### A COMPREHENSIVE REFERENCE

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Thieme Neurosonology is a first-line modality in the diagnosis and management of cerebrovascular disease and especially of stroke. In this new edition of *Neurosonology and Neuroimaging of Stroke*, this noninvasive, realtime imaging method has been given expanded coverage, particularly for its clinical utility. As in the first edition, the new edition offers both a clear overview of the principles of neurosonology and a casebook exploring critical cerebrovascular problems. Ultrasound anatomy, technical aspects of clinical application, and the advantages and limitations of ultrasound are reviewed and contrasted to conventional, magnetic resonance, and computed tomography angiography. Forty-five selected cases from the authors' extensive collections at Charite - Universitätsmedizin Berlin and the Center of Neurology in Bad Segeberg, Germany, are then discussed. The patient histories and working diagnoses are followed by detailed assessments of the extra- and intracranial color-coded duplex sonographic findings and additional diagnostic procedures. The relevant clinical aspects are presented in a compact, comprehensible way, and for the majority of the cases videos are available in the Thieme MediaCenter, providing further in-depth understanding of the full potential of the method. Features: Complete extra- and intracranial arterial and venous ultrasound examination New techniques: ultrasound fusion imaging, ultrafast ultrasound, contrast application More than 1,300 high-quality illustrations, including full-color duplex images Fifteen newly selected cases on conditions such as subarachnoid hemorrhage and dural fistula, as well as rare stroke causes including sickle cell disease and reversible cerebral vasoconstriction syndrome Revision of many cases from the first edition More than 60 new video clips (for a total of 130) available at the Thieme MediaCenter, bringing ultrasound anatomy and challenging cases to your monitor! *Neurosonology and Neuroimaging of Stroke*, Second

Edition, offers neurologists, neuroradiologists, and all physicians treating patients with cerebrovascular disease an authoritative introduction and guide to this powerful diagnostic tool.

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### **PRENATAL DIAGNOSIS OF CONGENITAL ANOMALIES**

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McGraw-Hill/Appleton & Lange

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### **DISPATCHES FROM THE VACCINE WARS**

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### **FIGHTING FOR HUMAN FREEDOM DURING THE GREAT RESET**

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Simon and Schuster Enter the trenches of the bloodiest battles you've never heard of: the Vaccine Wars. Professor Christopher A Shaw discovered, after a deep-dive literature search on aluminum impacts on humans and animals, that aluminum hydroxide, an adjuvant in the anthrax vaccine, had a significantly negative impact on motor functions and reflexes of patients in the literature. After that finding, he did what scientists are supposed to do and kept following the leads. However, organizations like WHO dismissed him immediately. Those powerful organizations either knew what he knew, that aluminum vaccine adjuvants were harmful, or they simply didn't care. In either case, two possible reasons for the lack of response became clear to Shaw and his colleagues: dogma and money. The first had served to convince most of the world's medical professionals that Shaw had to be wrong because, after all, "the science was settled." And, behind much of this was the naked fact of how much money vaccines brought in to cover the pharmaceutical industry's profit margin. The combination of those two have the finger prints of various Big Pharma companies smudged all over the question of vaccine safety, which included the demonization of both scientists and lay scholars who raised even the tamest questions about safety and the push for vaccine mandates around the world. After these events, Shaw decided to dig deeper. Dispatches from the Vaccine Wars is a comprehensive look at the origin of vaccination and the oversight of vaccines by various regulatory bodies in the United States and in Canada. The book provides not only the official view on vaccines safety and efficacy, but also provides a critical analysis on which such views are based. Aluminum and other compounds that may contribute to autism spectrum disorder are discussed at length. Professor Shaw also analyzes the corporate influences driving vaccine uptake worldwide and provides an in depth look at the push for mandatory vaccination. Dispatches from the Vaccine Wars evaluates the extent to which vaccinology has become a cult religion driving attempts to suppress divergent scientific opinions. Finally, the book delves into the COVID-19 pandemic and what it means for the future of us all.

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### **BSAVA GUIDE TO PROCEDURES IN SMALL ANIMAL PRACTICE**

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BSAVA The BSAVA Guide to Procedures in Small Animal Practice provides practical, step-by-step guidance on how to perform the diagnostic and therapeutic procedures commonly performed in small animal veterinary practice. In addition, routine clinical examination of the major body systems, and protocols for the management of selected emergencies, are described. In addition to the actual technique, each procedure has information on indications and contraindications, equipment required, and potential complications, together with the editors' own hints and tips. Details of BSAVA Manuals where wider information can be found, such as interpretation of results, are given throughout. All procedures have been reviewed and updated to ensure that this remains a truly useful resource for the veterinary team. New for this edition: Edrophonium response test Gall bladder aspiration Gastric decontamination Local anaesthesia Peritoneal dialysis Separate section on system examinations Additional illustrations, many in full colour

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### **YOUR PRIME MINISTER IS DEAD**

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### **ESSENTIALS OF ULTRASOUND PHYSICS**

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Mosby Incorporated Intended for those interested in ultrasound physics, this text works as a primer for the Registry exam. Topics covered include: broadband transducers, modern beam formers, dynamic frequency filtering, intraluminal transducers, colour flow imaging methodology, bioeffects and acoustic output labelling standards.

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### **THERIOGENOLOGY IN CAMELIDAE**

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### **ANATOMY, PHYSIOLOGY, PATHOLOGY AND ARTIFICIAL BREEDING**

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