

Furuno 295 User Guide

This book is open access under a CC BY 4.0 license. This open access book discusses basic clinical concepts of myopia, prevention of progression and surgical treatments for myopia and pathological myopia. It also summarises the latest evidence and best practices for managing myopia, high myopia and its complications. Written by leading experts, the book addresses clinical diagnosis and interpretation of imaging modalities, and various complications of myopia such as glaucoma, choroidal neovascularization, retinal degeneration and cataracts. It is a valuable comprehensive resource for general and sub-specialist ophthalmologists as well as residents and ophthalmologists in training.; 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.

This book systematically summarizes classic imaging signs' characteristics and theory for whole body imaging, serving as a clinical guide for the understanding, prevention, and diagnosis of miscellaneous entities. In recent years, with the rapid evolution of modern imaging modalities, radiology has secured an irreplaceable role in diagnosis within standard clinical practice and being familiar with radiological signs has become essential. The book provides a multimodality review of more than 300 commonly utilized radiologic signs in radiography, CT, MRI, US, angiography, and nuclear medicine, including PET-CT. It is designed to enhance recognition of specific imaging patterns and enable the image interpreter to confidently reach an accurate diagnosis. Divided into ten chapters dedicated to different anatomic areas, each sign includes detailed discussion that explains the history and meaning of the descriptive or metaphoric sign, alongside illustrative photos for memory aid and clarification. Uniquely written from a practical point of view, each case leads you through a radiology expert's thought process in analyzing the classic signs with considerations of common misinterpretations and imaging pitfalls. The cases then highlight clinical presentation, relevant pathology, anatomy, physiology, and pertinent imaging features of common disease processes. Key information is distilled into succinct, bulleted points with detailed illustrations and images. This book is an ideal reference and review for practicing radiologists, as well as trainees preparing for licensing examinations.

A comprehensive assessment of the challenges and opportunities created by worldwide access to this revolutionary technology.

This book serves as an introduction to targeted genome editing, beginning with the background of this rapidly developing field and methods for generation of engineered nucleases.

Applications of genome editing tools are then described in detail, in iPS cells and diverse organisms such as mice, rats, marine invertebrates, fish, frogs, and plants. Tools that are mentioned include zinc finger nucleases (ZFNs), transcription activator-like effector nucleases (TALENs), and CRISPR/Cas9, all of which have received much attention in recent years as breakthrough technologies. Genome editing with engineered nucleases allows us to precisely change the target genome of living cells and is a powerful way to control functional genes. It is feasible in almost all organisms ranging from bacteria to plants and animals, as well as in cultured cells such as ES and iPS cells. Various genome modifications have proven successful, including gene knockout and knock-in experiments with targeting vectors and chromosomal editing. Genome editing technologies hold great promise for the future, for example in biomedical research, clinical medicine, and generation of crops and livestock with desirable traits. A wide range of readers will find this book interesting, and with its focus on applications in a variety of organisms and cells, the book will be valuable for life scientists in all fields.

This book presents the results from the Japanese Fisheries Research Agency's 3-year intensive monitoring of radionuclides in a variety of fish, plankton, benthos, and their living environments after the Fukushima Daiichi Nuclear Power Plant (FNPP) accident in March 2011. The book reveals the dynamics of contamination processes in marine and freshwater fish, mediated by the contamination of water, sediments, and food organisms; it also clarifies the mechanisms by which large variations in the level of contamination occurs among individual fish. Most importantly, the book includes a large amount of original measurement data collected in situ and for the first time assesses diffusion of radiocesium across the Pacific using both in situ data and a numerical simulation model. Also introduced are several new approaches to evaluate the impact of the release of radionuclides, including the measurement of radiation emission from an otolith section to identify the main period of contamination in fish. The FNPP accident represents a rare instance where the environmental radioactivity level was elevated steeply through atmospheric fallout and direct discharge of radioactive water into the sea over a short period of time. Replete with precise scientific data, this book will serve as an important resource for research in fields such as fishery science, oceanography, ecology, and environmentology, and also as a solid basis for protecting fisheries from damage resulting from harmful rumors among the general public.

BoatingCalifornia AnglerKids Can Be KidsA Childhood Occupations ApproachF.A. Davis

Proceedings of the NATO Advanced Study Institute, Como, Italy, May 12--22, 1993

Rev. ed. of: Neurological rehabilitation / [edited by] Darcy A. Umphred; with section editors, Gordon U. Burton, Rolando T. Lazaro, Margaret L. Roller. 5th ed. c2007.

Jan Piek provides guidance to help students understand infant motor development from a variety of disciplines and perspectives. She outlines current theory and research on the topic.

Progress and Challenges in Precision Medicine presents an insightful overview to the myriad factors of personalized and precision medicine. The availability of the human genome, large amounts of data on individual genetic variations, environmental interactions, influence of lifestyle, and cutting-edge tools and technologies for big-data analysis have led to the age of personalized and precision medicine. Bringing together a global range of experts on precision medicine, this book collects previously scattered information into one concise volume which covers the most important developments so far in precision medicine and also suggests the most likely avenues for future development. The book includes clinical information, informatics, public policy implications, and information on case studies. It is a useful reference and background work for students, researchers, and

