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Ultrasound Elastography Monica Lupsor-Platon 2020-03-04 Elastography, the science of creating noninvasive images of mechanical characteristics of tissues, has been rapidly evolving in recent years. The advantage of this technique resides in the ability to rapidly detect and quantify the changes in the stiffness of soft tissues resulting from specific pathological or physiological processes. Ultrasound elastography is nowadays applied especially on the liver and breast, but the technique has been increasingly used for other tissues including the thyroid, lymph nodes, spleen, pancreas, gastrointestinal tract, kidney, prostate, and the musculoskeletal and vascular systems. This book presents some of the applications of strain and shear-wave ultrasound elastography in hepatic, pancreatic, breast, and musculoskeletal conditions.

Guidelines for Perinatal Care American Academy of Pediatrics 1997 This guide has been developed jointly by the American Academy of Pediatrics and the American College of Obstetricians and Gynecologists, and is designed for use by all personnel involved in the care of pregnant women, their fetuses, and their neonates.

Fetal Therapy Mark I. Evans 2001-02-15 Diagnostic techniques such as amniocentesis and ultrasound have expanded the armamentarium of prenatal diagnosis. As diagnostic techniques increase in accuracy, the demand for something other than selective termination of pregnancy will also increase. The ultimate goal of this line of research has always been fetal therapy, not just the ability to make the diagnosis. Fetal Therapy provides in-depth coverage of diagnostic techniques and therapies for fetal abnormalities. Photographs and line drawings illustrate the techniques discussed and concise tables make the data easy to find. It is the first book to cover emerging techniques for diagnosing fetal abnormalities with an essentially no-risk, noninvasive test of maternal blood at 7-8 weeks' gestation. In addition to up-to-date information on the latest technology in this field, the book also examines ethical issues from a historic perspective and ethical considerations in offering and recommending fetal therapy for the fetal patient. Bringing together new ideas and possibilities for new procedures Fetal Therapy explores the issues involved in expanding the applicability and availability of prenatal diagnosis and the options for treatment.

Minimally Invasive Breast Biopsies Renzo Brun del Re 2009-09-17 Modern imaging methods have made it possible to detect breast cancer at an earlier stage than in the past. Nevertheless, a large majority of suspicious findings at screening subsequently prove to be benign. It is therefore important to be able to identify benign lesions in a manner that is reliable, tissue sparing, patient friendly, and cost-effective. More than 70% of breast biopsies can now be performed using minimally invasive procedures that meet these criteria. This book examines in detail vacuum-assisted minimally invasive breast biopsy systems (ATEC, EnCor, Intact, Mammotome and Vacora), stereotactic systems, MRI-guided procedures, and ductoscopy. Further chapters are devoted to the pathology of the breast tissue obtained using these procedures, their limitations, the implications of recent advances in breast imaging, and the results of cost-benefit analyses. The closing chapter provides a systematic review and meta-analysis of recent data.

Journal of Ultrasound in Medicine 2009

The Grace Walk Experience Steve McVey 2008-03-01 For years, Steve McVey's Grace Walk (more than 200,000 copies sold) has inspired Christians to leave behind a performance and fear-based faith to embrace a faith lived in abundance and grace. Now The Grace Walk Experience workbook helps readers move that message of hope from their heads to their hearts as they explore eight truths that have changed lives worldwide daily, interactive studies that reveal grace as much more than a doctrine ways to quit "doing" for God so that He can live through them illustrations of the wonder and miracle of faith as God intended God's Word, salvation, and evangelism with new perspective This excellent tool for church classes, small group discussion, and individual study will lead believers to understand their identity in Christ, let go of legalism, and make room for the overflowing love, mercy, and purpose of life lived wholly in God's grace.

Research and Development in Breast Ultrasound E. Ueno 2006-03-20 This book was planned in order to announce the contents discussed in the 13th International Congress on the Ultrasound Examination of the Breast. Breast ultrasound has become a indispensable method for the diagnosis of cancer of the breast. Breast ultrasound will become more convenient and precise diagnostic method according to the development of the device. In addition, application to breast screening or medical check has started, on the other hand the interventional method has also developed.

International Conference on Advancements of Medicine and Health Care through Technology; 5th - 7th June 2014, Cluj-Napoca, Romania Simona Vlad 2014-05-15 This volume presents the contributions of the third International Conference on Advancements of Medicine and Health Care through Technology (Meditech 2014), held in in Cluj-Napoca, Romania. The papers of this Proceedings volume present new developments in - Health Care Technology, - Medical Devices, Measurement and Instrumentation, - Medical Imaging, Image and Signal Processing, - Modeling and Simulation, - Molecular Bioengineering, - Biomechanics.

Automated breast cancer detection and classification using ultrasound images: A survey H.D.Cheng Breast cancer is the second leading cause of death for women all over the world. Since the cause of the disease remains unknown, early detection and diagnosis is the key for breast cancer control, and it can increase the success of treatment, save lives and reduce cost. Ultrasound imaging is one of the most frequently used diagnosis tools to detect and classify abnormalities of the breast.

Arias' Practical Guide to High-Risk Pregnancy and Delivery - E-Book Fernando Arias 2015-01-29 Thoroughly revised edition of this well-known text is prompted by the popularity of the previous edition among both students and practitioners. The revised edition has been endeavoured keeping the key objective of Dr Fernando Arias alive—to provide Obs & Gynae residents, fellows in Maternal–Fetal Medicine, obstetricians, general physicians and interested nurses and medical students with a source of practical information about complications of pregnancy. • Most of the chapters have been completely re-written. • A new chapter ‘Impact of Advances in Genetics on Prenatal Diagnosis’ has been added, which does justice to the enormous advances in the field of Prenatal Genetics in the recent years. • Our understanding of multiple pregnancies has increased considerably. A separate chapter on multiple pregnancy has been added given that multiple pregnancies are at high risk of developing problems and therefore require greater attention. • An entire section of intrapartum problems has been added, making this a comprehensive Obstetric text. • The editors have managed to persuade leaders in the field to write for this edition. The chapters are authored by researchers working on the coalface. Their first-hand experience, knowledge, wisdom and hard work are evident in this edition.

Grieve's Modern Manual Therapy Gregory P. Grieve 2004 "No other text in the field presents such an international spread of up-to-date and cutting edge research related to the clinical practice of manual therapy in relation to the spine. The aim of the editors has been to create a real encyclopedia of 'state-of-the-art' knowledge, which is current, comprehensive and accessible. In achieving their objective they have ensured that the book will continue to be used as a textbook by those wanting to become manual therapy practitioners, as well as by experienced therapists wanting to revise or update their knowledge." --Book Jacket.

Ecografia En Obstetricia Y Ginecologia Asim Kurjak 2009-06-30 Una obra valiosa, cientificamente solida y atractiva para los ecografistas en formacion y para los ya experimentados quienes, a trav,s de su lectura, podr n explorar las nuevas aplicaciones clinicas de la ecografia en una aventura excitante y enriquecedora. Esta obra es el fruto del trabajo en colaboracion de expertos de reconocimiento mundial y los directores de las treinta y dos sedes de la Escuela Ian Donald, fundada en 1981 y dedicada a la educacion internacional y la investigacion sobre todos los aspectos de la ecografia diagnostica.

Ultrasound Imaging in Reproductive Medicine Laurel A. Stadtmauer 2019-07-19 Now in an updated edition, this is the most comprehensive book on modern ultrasound imaging in assisted reproductive technology (ART) and reproductive medicine. Fully revised and expanded, it covers emerging

technologies possible with the improvement in ultrasound equipment. 3-D monitoring of ovarian follicles, bidirectional vibrant color and Doppler, and improved 3-D and 4-D imaging of reproductive structures are discussed. MRI-guided ultrasound procedures are covered, and comparisons of 3-D imaging with MRI imaging for uterine anomalies is reviewed with an emphasis on the advantages of 3-D performed in the gynecologist’s office, and as a less expensive modality. The overall approach of the original edition is maintained, starting with ultrasound safety and technique and diagnosis of the ovary, uterus and fallopian tubes (both normal and pathologic), followed by both male and female infertility and ART treatments and procedures. Ultrasound monitoring of follicular development, the endometrium, and as an aid in embryo transfer to maximize IVF success rates are reviewed. Topics new to this edition include updated information on the diagnosis of benign and malignant adnexal masses, 3-D follicle monitoring, and the diagnosis of adenomyosis and endometriosis, including deep inseminated endometriosis. Additionally, the evaluation of endometrial receptivity, the use of contrasts for fallopian tube patency, controversies regarding septate uterus versus arcuate uterus with the use of 3-D ultrasound, and 3-D ultrasound with saline infusion sonogram and early pregnancy ultrasound are all discussed. An excellent resource for reproductive medicine and ART specialists, gynecologists and ultrasonographers alike, Ultrasound Imaging in Reproductive Medicine, Second Edition covers all that clinicians need to know about the role of ultrasound, from the first time a woman comes into the clinic for treatment, including ART, to early pregnancy monitoring. See better, do ART better.

Safety of Diagnostic Ultrasound S.B. Barnett 2004-11-11 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.

Psychobiology and Early Development H. Rauh 1987 This volume is the outcome of an international symposium held in Berlin, FRG, which brought together researchers in the field of infant development. The contributors are from Europe and North America, and have as their primary professional interest either pediatrics, biology or psychology. These fields, in spite of common involvement and large overlap, still have to overcome communication problems and differences in scientific approaches. The emphasis of this book is on the efforts of the participants towards reaching a mutual understanding. In spite of disciplinary diversity, the papers in this book complement each other, and set the scene for future multidisciplinary research and exchange in the field of infant development.

Principles of Airway Management Brendan T. Finucane 2006-05-05 Provides well-balanced discussions of the complexities and difficult issues associated with airway management; Excellent organization ensures that the materials will be learned as well as applied in various situations; A new chapter on laryngeal mask airway that provides timely information on its effect on the practice and the reduced need for laryngoscopy and intubation; Contains more than 250 updated illustrations, tables, and boxes; Includes the latest equipment and techniques along with discussions on complications of airway management **Contemporary Interventional Ultrasonography in Urology** Inderbir S. Gill 2009-02-19 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.

Donald School Textbook of Transvaginal Sonography Asim Kurjak 2018-08-16 This book is a comprehensive guide to transvaginal sonography for practitioners. Divided into five sections, the text begins with discussion on general aspects of ultrasonography and transvaginal scanning. The following sections cover the use of ultrasonography in a variety if gynaecological and obstetrical circumstances. The final sections cover Doppler sonography and 3D and 4D transvaginal sonography. The third edition has been fully revised to provide clinicians with the latest advances in their field. Authored by an internationally recognised team of experts led by Zagreb-based Asim Kurjak and Madrid-based José Bajo Arenas, the text is further enhanced by nearly 700 ultrasound images, photographs, diagrams and tables. Key points Fully revised, third edition presenting latest advances in transvaginal sonography Highly illustrated with nearly 700 ultrasound images, photographs, diagrams and tables Internationally recognised editor and author team Previous edition (9789350904732) published in 2013

The Gestalt Approach & Eye Witness to Therapy Fredrick S. Perls 1980

Atlas of Pelvic Floor Ultrasound Hans Peter Dietz 2008-02-06 Ultrasound has replaced X-ray as the main imaging modality for the diagnosis of pelvic floor disorders in women. It now enables a cost-effective and non-invasive demonstration of bladder neck and pelvic organ mobility, vaginal, urethral and levator ani function and anatomy, and anorectal anatomy. Atlas of Pelvic Floor Ultrasound provides an introduction to pelvic floor imaging as well as a resource to be used during initial and more advanced practice.

Therapeutic Management of Incontinence and Pelvic Pain J. Laycock 2013-03-09 As medical knowledge advances we tend to compartmentalise our specialties into smaller units; but, hand in hand with this, there is a growing understanding between the different disciplines within the caring professions. Thus we are able to share our special skills to the benefit of patients. This book is an excellent example of the advantage of interdisciplinary communication and demonstrates a refreshing holistic approach to the problems of incontinence and pelvic pain. Written with physiotherapists in mind, the editors have invited contributions from many distinguished experts in their own field. These have been compiled into a comprehensive book, which will appeal to many healthcare professionals. I have had great pleasure in reading this book. During the time that I have been involved with 'pelvic dysfunction' there have been many exciting advances. These are all included in a most readable sequence, some presented with a refreshing new twist. In particular, I would like to bring to your attention the section on 'pelvic pain'. Because of our lack of understanding it has been a problem that is too often ignored and here at last are some practical ideas for therapeutic management. There is still much progress to be made in the field of incontinence and pelvic pain and as yet, no editors can be expected to produce a definitive work. However, I would like to recommend this book most strongly. It has a new approach to this topic, which is still a major problem for many people.

Conceptions of Development D.J. Lewkowicz 2018-10-24 First published in 2002. Routledge is an imprint of Taylor & Francis, an informa company.

Medical Imaging 2006

Intrauterine Insemination Gautam N Allahbadia 2013-09-30 Intrauterine insemination (IUI), also known as artificial insemination, is a fertility treatment that uses a catheter to place washed sperm directly into the uterus. Its aim is to increase the number of sperm reaching the fallopian tubes and subsequently increase the chances of fertilisation (American Pregnancy Association). The second edition of Intrauterine Insemination brings physicians and trainees fully up to date with the latest developments in the technique. Divided into 48 chapters, this comprehensive guide covers every aspect of the procedure, from patient

selection and clinical assessment of couples, to ovarian induction, predictors of ovarian response, modulation of sperm motility, and sperm banking. The final sections describe data management issues, sex pre-selection, and regulation of assisted reproductive technologies. Key points New edition presenting latest developments in IUI Covers all aspects of the procedure Includes more than 150 images, illustrations and tables Previous edition published in 2005

Medical Image Computing and Computer-Assisted Intervention – MICCAI 2006 Rasmus Larsen 2006-09-28 The two-volume set LNCS 4190 and LNCS 4191 constitute the refereed proceedings of the 9th International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2006. The program committee carefully selected 39 revised full papers and 193 revised poster papers for presentation in two volumes. This first volume includes 114 contributions related to bone shape analysis, robotics and tracking, segmentation, analysis of diffusion tensor MRI, and much more.

Ultrasound Imaging Oleg Minin 2011-08-23 This book provides an overview of ultrafast ultrasound imaging, 3D high-quality ultrasonic imaging, correction of phase aberrations in medical ultrasound images, etc. Several interesting medical and clinical applications areas are also discussed in the book, like the use of three dimensional ultrasound imaging in evaluation of Asherman's syndrome, the role of 3D ultrasound in assessment of endometrial receptivity and follicular vascularity to predict the quality oocyte, ultrasound imaging in vascular diseases and the fetal palate, clinical application of ultrasound molecular imaging, Doppler abdominal ultrasound in small animals and so on.

Fetal Cardiac Function E. Gratacós 2012 Fetal echocardiography was initially used to detect structural anomalies, but has more recently also been proposed to assess fetal cardiac function. Functional echocardiography has been demonstrated to select high-risk populations and has been seen to have an effect on the outcome of several fetal conditions. Because of the small size and high heart rate and the restricted access away from the transducer, cardiovascular parameters should be validated but used with caution in the fetus. This special issue on fetal cardiac function is a collection of review and original articles showing several potential clinical and research applications of functional echocardiography in intrauterine growth restriction, twin-to-twin transfusion syndrome, congenital heart disease and aneuploides. The insights provided show that fetal cardiac function assessment is a promising tool that may soon be incorporated into clinical practice to diagnose, monitor or predict outcome in some fetal conditions. Therefore, this special issue on 'fetal cardiac function' provides valuable reading for clinicians and researchers in fetal medicine and cardiology who are interested in the fetal heart.

Detection of Fetal Abnormalities Based on Three Dimensional Nuchal Translucency Khin Wee Lai 2012-10-29 Ultrasound (US) prenatal screening has been proposed as the most effective technique for Trisomy 21 early assessment. Assessment of Nuchal Translucency (NT) offers promising non-invasive method for fetal abnormalities detection up to 75%. Nevertheless, current clinician practice of NT examination by locating the sonogram calipers on 2D US image requires highly trained and competent operators by adhering to a standard tedious protocol; therefore it is prone to errors and hence it decreases the reliability in intra- and inter-observer repeatability. This Brief provides the basic knowledge regarding Trisomy 21 diseases and its existing detection methods. The restrictions and disadvantages of each method are discussed accordingly. Therefore, a non-invasive early detection method using 3D ultrasound reconstruction of Nuchal Translucency is introduced. This new method for 3D NT assessments has an edge over the previous 2D methods, and entails the composite function in visualizing the explicit internal marker structure. Further, image processing techniques covered from data acquisition, pre-processing, speckle noise reduction and 3D segmentation are also discussed. This should be especially useful for students and professional researchers in the Biomedical and image processing fields.

Contrast-Enhanced Mammography Marc Lobbes 2019-04-29 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.

Information Processing in Medical Imaging Attila Kuba 1999-06-16 The 1999 international conference on Information Processing in Medical Imaging (IPMI '99) was the sixteenth in the series of biennial meetings and followed the successful meeting in Poultney, Vermont, in 1997. This year, for the rst time, the conference was held in central Europe, in the historical Hungarian town of Visegr ad, one of the most beautiful spots not only on the Danube Bend but in all Hungary. The place has many historical connections, both national and international. The castle was once a royal palace of King Matthias. In the middle ages, the Hungarian, Czech, and Polish kings met here. Recently, after the summit meeting of reestablished democracies in the area, it became a symbol for the cooperation between central European countries as they approached the European Union. It was thus also symbolic to bring IPMI, in the year of the 30th anniversary of its foundation, to this place, and organize the meeting with the close cooperation of local and traditional western organizers. It also provided a good opportunity to summarize brie?y a history of IPMI for those who were new to the IPMI conference. This year we received 82 full paper submissions from all over the world. Of these, 24 were accepted as oral presentations. These were divided into 6 sessions. In spite of our e orts, it was found to be impossible to make these sessions fully balanced and homogeneous.

Fetal MRI Daniela Prayer 2011-02-15 This is the most comprehensive book to be written on the subject of fetal MRI. It provides a practical hands-on approach to the use of state-of-the-art MRI techniques and the optimization of sequences. Fetal pathological conditions and methods of prenatal MRI diagnosis are discussed by organ system, and the available literature is reviewed. Interpretation of findings and potential artifacts are thoroughly considered with the aid of numerous high-quality illustrations. In addition, the implications of fetal MRI are explored from the medico-legal and ethical points of view. This book will serve as a detailed resource for radiologists, obstetricians, neonatologists, geneticists, and any practitioner wanting to gain an in-depth understanding of fetal MRI

technology and applications. In addition, it will provide a reference source for technologists, researchers, students, and those who are implementing a fetal MRI service in their own facility.

In Mortal Combat John Toland 2016-05-31 A history of the Korean War with soldier's-eye views from both sides, by the Pulitzer Prize-winning author of The Rising Sun and Infamy. Pulitzer Prize-winning author John Toland reports on the Korean War in a revolutionary way in this thoroughly researched and riveting book. Toland pored over military archives and was the first person to gain access to previously undisclosed Chinese records, which allowed him to investigate Chairman Mao's direct involvement in the conflict. Toland supplements his captivating history with in-depth interviews with more than two hundred American soldiers, as well as North Korean, South Korean, and Chinese combatants, plus dozens of poignant photographs, bringing those who fought to vivid life and honoring the memory of those lost. In Mortal Combat is comprehensive in its discussion of events deemed controversial, such as American brutality against Korean civilians and allegations of American use of biological warfare. Toland tells the dramatic account of the Korean War from start to finish, from the appalling experience of its POWs to Mao's prediction of MacArthur's Inchon invasion. Toland's account of the "forgotten war" is a must-read for any history aficionado.

Developmental and Fetal Origins of Differences in Monozygotic Twins Alexandra Matias 2020-05-15 Developmental and Fetal Origins of Differences in Monozygotic Twins: From Genetics to Environmental Factors examines the major causes of discordance in monozygotic twins, from genetic, to environmental influences, including discussions on the genetic, epigenetic, fetal and environmental factors. Twin differences discussed include malformations, deformations and disruptions secondary to inequitable division of the early embryo, chromosome and single gene mosaicism, Nonrandom X chromosome inactivation, mitochondrial heteroplasmy, epigenetic variation, and variable and inequitable blood supply, among other influences. Differences in hemoglobin levels, placental and amniotic fluid are also examined, while full color images illustrate discordant anomalies and twin differences throughout. Examines the major causes of discordance in monozygotic twins and their relevance for future studies and clinical management Discusses NIPT in MZ twins, twin imaging during fetal development, blood tests and forensic analysis Features contributions from international experts in twin genetics and developmental biology

Pelvic Floor Disorders Giulio Santoro 2010-10-27 Dramatic improvement in imaging techniques (3D ultrasonography, dynamic magnetic resonance) allows greater insight into the complex anatomy of the pelvic floor and its pathological modifications. Obstetrical events leading to fecal and urinary incontinence in women, the development of pelvic organ prolapse, and mechanism of voiding dysfunction and obstructed defecation can now be accurately assessed, which is fundamental for appropriate treatment decision making. This book is written for gynecologists, colorectal surgeons, urologists, radiologists, and gastroenterologists with a special interest in this field of medicine. It is also relevant to everyone who aspires to improve their understanding of the fundamental principles of pelvic floor disorders.

Hysterectomy Ibrahim Alkatout 2017-09-14 This book initiates the descriptions of the practical performance of different hysterectomies with conventional and robotically assisted laparoscopy, laparotomy and vaginal surgery. Laparoscopic hysterectomy has been out as an additional technique for hysterectomies for the last couple of decades. As the necessary light, augmentation and advanced skill has only been introduced into this already 200 year old surgical procedure within the last few decades by laparoscopy, the editors aim to look at the laparoscopic procedures followed by the traditional techniques of hysterectomy with laparotomy and vaginal surgery.

Medical Imaging 2006 Joseph M. Reinhardt 2006

The First Twelve Weeks of Gestation E.R. Barnea 2012-12-06 Leading workers in the field of human reproduction provide both basic knowledge and useful practical information in this book about the most critical phase in the development of a new human being: the first twelve weeks of life. The period from fertilization and implantation to the end of the first trimester is still insufficiently understood and marks a new frontier. The knowledge necessary for applying our present diagnostic capabilities and for venturing into the problematic areas of fertilization technology and embryonic treatment is made easily available in this comprehensive textbook. The book is divided into two parts. The first presents basic information about physiology, anatomy, in vivo investigations, biochemistry and legal aspects. The second part focuses on pregnancy development, monitoring and the clinical diagnosis and management of disorders in the early stages of life. A full section is devoted to assisted conception and the newest possibilities in fertilization technologies, whereby the ethical aspects are also discussed.

Fetal Neurology Alan Hill (M.D.) 1989

Donald School Textbook of Ultrasound in Obstetrics & Gynecology Asim Kurjak 2004-08-02 Color Doppler, power Doppler, three-dimensional and four-dimensional imaging are just a few of the breakthroughs that have moved diagnostic ultrasound forward. Featuring more than 650 color illustrations, Donald School Textbook of Ultrasound in Obstetrics and Gynecology provides expert coverage of the practical applications of ultrasound. The text is divided into three parts: general aspects, obstetrics, and gynecology. Subjects covered include prenatal diagnosis and therapy of congenital fetal abnormalities, ultrasonic-guided puncture techniques, ultrasound in the management of female infertility, and more. With contributions from an international panel of experts, this comprehensive text presents state-of-the-art images and up-to-date information.

Atlas of CT Angiography Gratian Dragoslav Miclaus 2014-06-26 This atlas presents normal and pathologic findings observed on CT angiography with 3D reconstruction in a diverse range of clinical applications, including the imaging of cerebral, carotid, thoracic, coronary, abdominal and peripheral vessels. The superb illustrations display the excellent anatomic detail obtained with CT angiography and depict the precise location of affected structures and lesion severity. Careful comparisons between normal imaging features and pathologic appearances will assist the reader in image interpretation and treatment planning and the described cases include some very rare pathologies. In addition, the technical principles of the modality are clearly explained and guidance provided on imaging protocols. This atlas will be of value both to those in training and to more experienced practitioners within not only radiology but also cardiovascular surgery, neurosurgery, cardiology and neurology.