

three dimensional ultrasound in obstetrics and gynecology

[#three dimensional ultrasound](#) [#3D ultrasound](#) [#obstetrics ultrasound](#) [#gynecology ultrasound](#) [#OB/GYN imaging](#)

Explore the revolutionary impact of three dimensional ultrasound in modern obstetrics and gynecology. This advanced imaging technology provides detailed, volumetric views of fetal development and gynecological structures, offering enhanced diagnostic clarity and improving patient care outcomes. Discover how 3D ultrasound transforms prenatal assessment and women's health diagnostics.

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Advanced Topics on Three-Dimensional Ultrasound in Obstetrics and Gynecology

Advanced Topics on Three-Dimensional Ultrasound in Obstetrics and Gynecology is a comprehensive and handy guide for sonographers, obstetricians, gynecology and radiology professionals, and all technicians working in ultrasound laboratories who are interested in taking advantage of all the resources provided by this imaging technique. The book is divided in three sections which give information on a variety of relevant topics: • Three-Dimensional Ultrasound Instrumentation and Technology. This section explains different ultrasound methods that can be used for three-dimensional imaging. It is complemented by a discussion on how to use the techniques in telemedicine. • The Use of Three-Dimensional Ultrasound During Pregnancy. This section explains the methods used to assess fetal organs, behavior and defects during different stages of pregnancy. • The Use of Three-Dimensional Ultrasound When Evaluating Female Reproductive Physiology. This section covers diagnostic procedures for ovarian and uterine abnormalities and neoplasms. Close

Practical Guide to 3D-4D Ultrasound in Obstetrics and Gynecology

3D ultrasound shows a still image of a foetus, far more detailed than the 2D flat grey scale imaging. 4D ultrasound is more advanced, showing a moving image, allowing obstetricians to evaluate foetal well-being. It is also used by gynaecologists to examine uterine anomalies. This book is a practical guide to the use of 3D and 4D ultrasound in obstetrics and gynaecology. Divided into three sections, the text begins with an introduction to ultrasound, its working and application, its function, software, and volume calculation tools. Section Two covers clinical applications of volume ultrasound in obstetrics, explaining its use during the first trimester, for foetal abnormalities, for functional assessment of foetal brain development, and in labour. The final section discusses the application of ultrasound in gynaecology, covering uterine abnormalities, adnexal lesions, and in infertility. The book concludes with an appendix detailing different terms used by different brands. Key points Practical guide to use of 3D and 4D

ultrasound in obstetrics and gynaecology Provides detailed explanation of ultrasound working, function and software Covers different uses of ultrasound for foetal monitoring, gynaecological disorders, and infertility Highly illustrated with detailed ultrasound images

Three-dimensional Ultrasound in Obstetrics and Gynecology

This book presents 12 original new chapters on the principles and practice of three-dimensional ultrasound. It covers basic physics and principles, thick-slice images, and the application of 3D ultrasound in intrauterine and ectopic pregnancy, in evaluating fetal malformations, in diagnosing congenital heart disease, in fetal biometry, in the evaluation of fetal circulation, the uterus, the ovaries and in infertility, and 3D ultrasound of the breast. The contributing authors are among the world's pioneering experts on ultrasound diagnosis in obstetrics and gynecology, whose work forms the backbone of modern clinical practice and research in this field.

An Atlas of Three- and Four-Dimensional Sonography in Obstetrics and Gynecology

The use of three-dimensional ultrasound has expanded, particularly in obstetrics and gynecology clinical practice, necessitating a reference covering this and other emerging technologies. This volume presents ultrasound images in full colour accompanied by extensive captions and expert textual commentary. It provides authoritative coverage of this important technology that can help diagnose a host of conditions that heretofore would go unseen or require invasive surgery to diagnose.

Donald School Textbook: Current Status of Clinical Use of 3D/4D Ultrasound in Obstetrics and Gynecology

Part of the renowned Donald School series, this second edition provides obstetricians and gynaecologists with the latest advances in the clinical use of 3D and 4D ultrasound. The book has been fully revised and updated and each chapter explains the application of the technique for different obstetric and gynaecologic disorders. Each topic features a summary of key points and boxes for quick review, as well as further reading suggestions. Authored by internationally recognised experts in the field, the book includes more than 850 ultrasound images, diagrams and tables. Key points Presents latest advances in clinical use of 3D and 4D ultrasound in obstetrics and gynaecology Part of the renowned Donald School series Fully revised, second edition with more than 850 images Internationally recognised author team

3-D Ultrasound in Obstetrics and Gynecology

This volume provides an international and up-to-date perspective on the use and value of three-dimensional ultrasound in obstetrics and gynecology. The book features 78 beautiful full-color illustrations, 175 black-and-white images, and contributions from acknowledged leaders in the field, including Kazunori Baba, MD, PhD and Thomas R. Nelson, PhD. The focus on obstetric and gynecologic applications makes this volume of congress proceedings an excellent complement to Drs. Nelson, Downey, Pretorius, and Fenster's Three-Dimensional Ultrasound (Lippincott Williams & Wilkins, 1999). These two current texts provide everything physicians need to know about contemporary three-dimensional ultrasound -- from its principles to the latest applications.

Color Doppler, 3D and 4D Ultrasound in Gynecology, Infertility and Obstetrics

Doody Rating: 3 stars: Over the last decade impressive improvements in computer and ultrasound technology have promoted a wide use of ultrasound in clinical practice. With the advent of color and power Doppler ultrasound, and more recently three- (3D) and four-dimensional (4D) ultrasound, research expansion in the field of human reproduction, obstetrics and gynecologic oncology has occurred. Ultrasound has simplified guided techniques such as oocyte collection and breast biopsy, but has also become an important technique in the assessment of the follicular growth and endometrial development, as well as in evaluation of the uterine and ovarian perfusion. Significant studies have been made in the gynecological application of Doppler sonography and screening for ovarian and uterine malignancy. In obstetrics, Doppler sonography has allowed unprecedented insight in the pathophysiology of human fetal development. In a relatively short period of time, 3D and 4D ultrasound has proved to be a useful clinical tool in almost all sections of gynecology and obstetrics. In this book the authors explain the significance of each of the discussed subjects in an effective way, by integrating important and updated information and illustrative examples. The contributors of this edition

have made significant improvements, included updated information and a few unique illustrations. Each chapter has been reviewed and revised to focus on the clinicians needs in ultrasound practice. The educational impact of the book is further enhanced by adding a manual for sonographers and physicians entitled Clinical Sonographic Pearls that was created for better organization of important clinical presentation-based information."

Donald School Textbook of Ultrasound in Obstetrics and Gynecology

Ultrasound is the backbone of modern obstetric and gynecology practice. Recent technological breakthroughs in diagnostic ultrasound, including the advent of color Doppler, power Doppler, three-dimensional and four dimensional imaging, have led ultrasound to surpass the expectations of Ian Donald, its visionary father. The text is divided into three parts general aspects, obstetrics, and gynecology. The first and second textbooks were successful in this endeavor, but with the explosion of knowledge, it was clear that an expanded and updated third edition would be invaluable. Section one deals with a variety of topics that lay the foundation for the rest of the book. Section two addresses the myriad subtopics in obstetric ultrasound that optimize the care of pregnant women and fetal patients. The last section addresses the essential role that ultrasound plays in the many dimensions of clinical gynecology.

An Atlas of Three- and Four-Dimensional Sonography in Obstetrics and Gynecology

As the use of three-dimensional ultrasound in clinical practice increases, the need for a reference covering this and other emerging technologies also increases. The book presents three-dimensional ultrasound images in full colour accompanied by extensive captions and expert textual commentary. It provides authoritative coverage of the latest developments in three-dimensional ultrasound for use in obstetrics and gynecology and highlights cutting-edge technologies such as four-dimensional ultrasound.

Clinical Application of 3D Sonography

In recent years, three-dimensional ultrasound has become a valuable medical imaging modality. This clinical textbook covers the full range of modern clinical applications of three-dimensional sonography in obstetrics and gynecology. It explains the methodology of three-dimensional ultrasound and power Doppler and provides detailed how-to information on diagnosis and assessment across the full range of clinical applications in obstetrics and gynecology.

Step by Step: 3D/4D Ultrasound in Obstetrics, Gynecology and Infertility

3D ultrasound shows a still image of a foetus, far more detailed than the 2D flat grey scale imaging. 4D ultrasound is more advanced, showing a moving image, allowing obstetricians to evaluate foetal well-being. It is also used by gynaecologists to examine uterine anomalies. The second edition of this book is a step by step guide to 3D and 4D ultrasound in obstetrics, gynaecology and infertility. Divided into seven sections, it begins with discussion on instruments and scanning techniques, and normal pelvic anatomy by ultrasound. The following chapters examine uterine lesions and the use of ultrasound for infertility evaluation. The final sections discuss 3D/4D ultrasound in early pregnancy and foetal anatomy and malformations in mid and late pregnancy. This concise handbook has been fully updated to include the latest developments in 3D/4D ultrasound, and includes nearly 220 detailed photographs and ultrasound images. Key points Fully updated, new edition presenting latest developments in 3D and 4D ultrasound in obstetrics, gynaecology and infertility Describes normal pelvic anatomy to help recognition of anomalies and malformations Includes numerous clinical photographs and ultrasound images Previous edition published in 2008

A Practical Guide to 3D Ultrasound

A Practical Guide to 3D Ultrasound was conceived with the beginner in mind. The guide summarizes the basics of 3D sonography in a concise manner and serves as a practical reference for daily practice. It is written in easy-to-read language and contains tables summarizing the step-by-step instructions for the techniques presented. Following introductory chapters covering the various technical aspects of 3D ultrasound, the book covers clinical applications of 3D ultrasound in the first trimester and for the fetal cardiovascular, genitourinary, and central nervous systems. Clinical applications of fetal anatomical structures such as the skeleton, chest, face, and gastrointestinal tract are also discussed. In addition, the clinical applicability of 3D ultrasound in obstetrics and gynecology is explored. The book

is highly illustrated and contains more than 350 ultrasound images, many in color, corresponding to the techniques discussed. A table of practical tips is also included at the end of every chapter. This book is a practical and comprehensive reference for the basics surrounding 3D ultrasound.

Donald School 3D-4D Ultrasound in Gynecology

Fourth edition presenting clinicians with latest developments in ultrasound in obstetrics and gynaecology. Includes AIUM Guidelines and protocols from Thomas Jefferson University.

Ultrasound in Obstetrics & Gynecology

Here is definitive coverage of the latest techniques and diagnostic guidelines for use of sonography in ob/gyn, including transvaginal sonography, color Doppler sonography, and 3-D image processing. More than 2,000 detailed illustrations depict sonographic views of all disorders and conditions. Check out these areas of exciting new coverage: screening in early pregnancy: ultrasound of nuchal translucency for the early diagnosis of chromosomal abnormalities; pelvic pain: how to diagnose certain conditions associated with pelvic pain using color Doppler sonography; transvaginal sonography of ovarian and endometrial cancer; endorectal and transvaginal sonography of anal sphincter abnormalities; breast ultrasound; three -dimensional power sonography in gynaecology; three-dimensional ultrasound in obstetrics; and problem-solving with magnetic resonance imaging.

Sonography Obstetrics and Gynecology: Principles and Practice (Ise)

With rapid development of ultrasound technology, its clinical application is expanding and deepening. This book is focused on practical application of ultrasound in obstetrics and gynecology. Besides ultrasound diagnosis, the new progress of ultrasound in obstetrics and gynecology, such as interventional ultrasound, 3D ultrasound, and endoscopic ultrasonography, is also discussed. Typical images selected from abundant cases are provided with concise and refining key points. It serves as a valuable reference for sonologists, radiologists and gynaecologists for accurate diagnosis.

Practical Ultrasonography in Obstetrics and Gynecology

Fully revised fourth edition presenting latest information on ultrasound in obstetrics and gynaecology. Includes many new topics and nearly 2000 images and illustrations. Authored by experts from Croatia and the USA. Previous edition published in 2011.

Donald School Textbook of Ultrasound in Obstetrics & Gynaecology

Donald School Textbook of Power Point Presentation on Advanced Ultrasound in Obstetrics & Gynecology is an extensive, highly illustrated guide to the essentials of and recent developments in ultrasound in obstetrics and gynaecology. The textbook is divided into 42 chapters, each with a corresponding powerpoint presentation on the accompanying DVD. Each chapter contains fully updated information on a range of ultrasound applications, including developments in 3D and 4D ultrasound. Beginning with an overview of sonoembryology, the book covers ultrasound in diagnosis of foetal tumour, high definition 3D ultrasound, and ultrasound in labour, amongst many other topics. With nearly 2400 images and illustrations, most in full colour, and 42 powerpoint presentations, the Donald School Textbook of Power Point Presentation on Advanced Ultrasound in Obstetrics & Gynecology is a deeply comprehensive guide for all obstetrics and gynaecology practitioners and students. This textbook is edited by an international team of experts from Thailand, Japan and Croatia, ensuring authoritative content throughout. Key Points Extensive guide to the essentials and latest developments in the use of ultrasound in obstetrics and gynaecology 2375 images and illustrations, most in full colour 42 powerpoint presentations on accompanying DVD International editorial team from Thailand, Japan and Croatia

Donald School Textbook of Powerpoint Presentation on Advanced Ultrasound in Obstetrics & Gynecology

This is the first full-color slide atlas ever published on the exciting new technology of three-dimensional ultrasound imaging in clinical applications in gynecology and in examination of the pregnant and nonpregnant uterus as well as adnexa. The atlas contains 140 slides conveniently pocket-slipped in heavy-duty plastic sleeves mounted in a durable hardcover binder with accompanying text insert of captions and clinical insights. The slides illustrate the basis and principles of three-dimensional

ultrasound, the ovary and ovarian lesions, pathology of the fallopian tube, the uterus and uterine lesions, early pregnancy, and obstetrics. This extraordinary, unprecedented collection is an invaluable resource for all clinicians, instructors, speakers, and presenters wanting to demonstrate the great promise of three-dimensional ultrasound in helping physicians and families "see" surface features of the fetus more comprehensively than ever before and for clinical applications in gynecology in the evaluation of congenital anomalies of the uterus, screening for endometrial cancer, localization of uterine pathology, and assessment of adnexal masses.

A Slide Atlas of Three-Dimensional Ultrasound in Gynecology and Obstetrics

1. Basics of Ultrasound and Safety Concerns 2. Know the Scanner and its Controls to Optimize the Image 3. Doppler Basics for a Gynecologist 4. Ultrasound in First Trimester Pregnancy 5. 11-14 Weeks Scan 6. Screening for Aneuploidy 7. Second Trimester Scan 8. Placental Evaluation and Trophoblastic Tumors 9. Role of Doppler in IUGR and Pregnancy-induced Hypertension 10. Role of Ultrasound in Medical Disorders in Pregnancy 11. Fetal Thoracic Abnormalities 12. Abnormalities of Cardiovascular System 13. Fetal Urinary Tract Anomalies 14. Gastrointestinal Tract Abnormalities 15. Skeletal Dysplasia: Abnormalities of Skeletal System 16. Fetal Hydrops 17. Fetal Central Nervous System Abnormalities 18. Fetal Behavior in Normal Pregnancy and Diabetic Pregnancy Abnormalities 19. Common Ultrasound-guided Invasive Diagnostic Procedures 20. Three-dimensional and Four-dimensional Ultrasound for Fetal Anomalies 21. Sonography-based Volume Computer-aided Display in Labor 22. Basics of Transvaginal Scan 23. Normal Uterus 24. Normal Ovaries 25. Uterine Mullerian Abnormalities 26. Myometrial Pathologies of Uterus 27. Endometrial Lesions and Doppler 28. Ovarian Pathologies and Endometriosis 29. Tubal Evaluation by Ultrasound 30. Ultrasound Diagnosis of PCOS 31. Baseline Scan 32. Monitoring of Ovulation Induction by Ultrasound 33. Ultrasound-guided Procedures in Assisted Reproduction 34. Transvaginal Assessment of the Cervix 35. Ultrasound in Urogynecology

Color Doppler and 3D Ultrasound in Gynecology, Infertility and Obstetrics

Filled with practical information for practitioners, this is a technically detailed, advanced clinical reference on three-dimensional power Doppler in obstetrics and gynaecology. In 16 authoritative chapters, containing outstanding colour illustrations, it covers three-dimensional power Doppler of the endometrium in assisted reproduction, in the assessment of vascularity, in angiography of the fetal brain circulation and vascular anatomy, of ovarian tumor angiogenesis and uterine lesions, in the study of early embryonic circulation, and in assessment of the septate uterus and the fallopian tube. It also reviews the elementary physics of three-dimensional ultrasound technology and includes references.

Practical Guide to Ultrasound in Obstetrics and Gynecology

This book is a practical guide to the performance of ultrasonography in women of reproductive age for the diagnosis and treatment of infertility. The coverage includes the use of ultrasonography for evaluation of the various disorders associated with infertility, such as endometriosis, anovulatory disorders, tubal disease, and adenomyosis; its role in assisted reproductive techniques; and its application to assess the viability and early complications of pregnancy. The more recent advances in the field are all addressed, including assessment of ovarian reserve, new classifications of uterine malformations using three-dimensional ultrasonography, and novel ultrasonographic modalities for the evaluation of tubal patency. Within each chapter, the focus is especially on the performance of the ultrasound examination, with highlighting of useful technical tips. The contributors are acknowledged experts from across the world, and the book will be of value for physicians, ultrasonographers, and other medical staff involved in caring for patients with fertility issues.

Three-Dimensional Power Doppler in Obstetrics and Gynecology

Color Doppler in Obstetrics and Gynecology: Text and Atlas is specifically designed for obstetricians and gynecologists, who are also practicing ultrasound. In fact, ultrasound is an inevitable modality for obstetricians and gynecologists and Doppler is a valuable addition to it. But it has been observed that this technology is not fully exploited because of inadequate know-how of the subject. A simple explanation and presentation of Doppler technology and findings therefore can be of great help to the obstetricians and gynecologists to use Doppler at its best and arrive to correct diagnosis. And all efforts have been made therefore to include all the common pathologies of obstetrics and gynecology in this book, for the diagnosis of which Doppler can make a difference. Book jacket.

Managing Ultrasonography in Human Reproduction

This book is a comprehensive guide to ultrasound in obstetrics and gynaecology. Beginning with an introduction to equipment, the next chapters discuss the basic principles of ultrasound and its use in the different trimesters of pregnancy. The following chapters explain the importance of ultrasound as a diagnostic tool describing its use for placenta evaluation, amniotic fluid assessment, measuring cervical length and in multiple pregnancy. The final chapters cover ultrasound-guided foetal invasive procedures, Doppler, 3D ultrasound, and ultrasound in reproductive medicine. This practical guide is further enhanced by more than 350 ultrasound images, diagrams and tables to assist learning. Key points Comprehensive guide to ultrasound in obstetrics and gynaecology Emphasises use of ultrasound as a diagnostic tool Explains use of ultrasound in different trimesters of pregnancy Highly illustrated with more than 350 ultrasound images, diagrams and tables

Color Doppler in Obstetrics & Gynecology

In consultation with Dr. William Rayburn, Consulting Editor, Drs. Larry Platt and Christina Han have put together expert authors to provide a current update on ultrasound in gynecology and pregnancy. The clinical review articles have high utility and include the following topics: Normal pelvic anatomy; Ultrasound in evaluation of pelvic pain; Abnormal uterus and uterine bleeding; Abnormal ovaries and tubes; Methods of assessing ovarian masses: IOTA approach; Imaging in endometriosis; Assessment of IUD; Ultrasound evaluation in infertility; Ultrasound in pelvic floor dysfunction; Non-gynecologic findings in the pelvis; Three-D imaging in gynecology; Pregnancy of unknown location; Cesarean scar ectopic; Early pregnancy evaluation of anomalies; and Coding and legal issues in gynecologic ultrasound. Readers will come away with the information they need to provide current, authoritative care to their patients and to improve outcomes.

Obstetrics and Gynecological Ultrasound for Beginners

European Practice in Gynaecology and Obstetrics is a series of books conceived and endorsed by the European Board and College of Obstetrics and Gynaecology (EBCOG). The topics chosen for each volume are those of significant clinical interest where treatment is changing in response to research findings and developments in practice. The volume editor and contributing authors are European specialists invited to contribute because of their expertise in their field. The books concentrate on various types of management used in European practice as well as published results. The authors present treatments for which a consensus exists and - when there is no consensus - they discuss the key elements of the controversy. Each book provides a review of the basic science, recent concepts in pathophysiology, clinical aspects, treatment and unresolved problems or controversies, as well as the major recent references. A final section provides multiple-choice questions for each chapter. Series concentrates on important and changing areas of clinical practice Each volume editor is a leading European expert in the field Contributors are drawn from a wide range of European countries All volumes include a review of basic science and pathophysiology, as well as clinical aspects, treatment, unresolved problems Current references are included for each chapter Multiple choice questions are provided at the end of each chapter This volume comes with a CD containing all the colour images in the book plus 106 extra images

Ultrasonography in Gynecology and Early Pregnancy, An Issue of Obstetrics and Gynecology Clinics

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 of 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

Ultrasound in Obstetrics and Gynaecology

- Building on the great success of the first edition of this popular manual, this edition presents an improved variety of discussion on ultrasound for gynaecological and obstetric diagnosis and its therapeutic aspects - Ultrasound being the most important noninvasive technique in obstetrics and gynaecology, is also the most reliable diagnostic and therapeutic procedure - This book discusses basic physics and safety aspects of ultrasound, Doppler ultrasonography, prenatal diagnosis of congenital abnormalities and the application of ultrasound in infertility and also intimates on use of three dimensional ultrasound.

Donald School Textbook of Transvaginal Sonography

This book offers a unique and focused study of the use of ultrasound during the first trimester, a critical time in a fetus' development. It includes basic examination guidelines as well as cutting-edge ultrasound modalities, including Doppler and three-dimensional ultrasound, for the period immediately preceding conception through early embryology. Beginning with a discussion of the safety and efficacy of diagnostic ultrasound and the use of this modality for the evaluation and treatment of infertility, recognized experts in the field explore conditions that may interfere with normal conception or development, including maternal diseases that would benefit from early scanning, elements of teratology, multiple gestations, ectopic pregnancy, gestational trophoblastic disease, fetal anomalies and invasive procedures in the first trimester. Numerous illustrations and figures are provided to serve as aids for understanding key concepts. First-Trimester Ultrasound is a valuable resource for many, in or after training, in obstetrics and gynecology, radiology, emergency medicine, family medicine and genetics.

Manual of Ultrasound in Obstetrics and Gynecology

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.

First-Trimester Ultrasound

This authoritative atlas consists of ten chapters, with the first six chapters following the progress of gestation. Further chapters cover normal and abnormal placenta, membranes and umbilical cord, and basic ultrasound in gynaecology and infertility. The final chapter features high definition images of gynaecology and reproduction. Donald School Atlas of Advanced Ultrasound in Obstetrics & Gynecology is richly illustrated with over 1060 full colour images and illustrations, including high definition images using new HD live Silhouette and HD Live Flow technology. Edited by Ritsuko K Pooh, director of the Clinical Research Institute of Foetal Medicine in Osaka, Japan, and Asim Kurjak from the University of Zagreb Medical School and Dubrovnik International University, Croatia, this is an authoritative book for obstetricians, gynaecologists and ultrasonologists. Key Points Comprehensive, extensively illustrated guide to ultrasound in obstetrics and gynaecology Internationally recognised editorial team from Japan and Croatia 1061 full colour images and illustrations Includes brand new HD live Silhouette and HD Live Flow images

Donald School Textbook of Ultrasound in Obstetrics & Gynecology

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Donald School Atlas of Advanced Ultrasound in Obstetrics and Gynecology

The Definitive Reference for Obstetric Ultrasound Complete-The most comprehensive work on obstetric ultrasound available, with over 1500 superb illustrations (700 in color)-Textbook and atlas in one-Combined with the gynecologic volume, provides an archive of information and images that leaves no question unanswered Systematic-Screening, biometry and organ biometry, detailed and systematic diagnosis of fetal anomalies, multiple pregnancies, abnormal pregnancies-Transvaginal and transabdominal ultrasound, Doppler and color Doppler scanning, 3D ultrasound, ultrasound-guided invasive diagnostic and therapeutic procedures Practice-Oriented-The ideal reference work for sonographic findings in frequent and rare malformations and syndromes-Actual specimens shown next to ultrasound images for comparison.

3D-4D Ultrasound in Obstetrics (edición Inglés)

This atlas and guide book is focused on gynecological ultrasound, an area that has remained in the shadow of obstetric ultrasound & fetal medicine. Gynecological ultrasound has seen rapid advances owing to expanding research and improved ultrasound equipment. This book leverages these advances and provides abundant illustrations and practice points of classical and new ultrasound features. It serves as a guide for radiologists, gynecologists and sonologists for the accurate diagnosis of gynecological pathologies. The chapters of this book also serve as a comprehensive resource for various topics with hundreds of images and figures, including basic gray scale images, Doppler studies and three dimensional ultrasound illustrations. In addition, standard terms for the evaluation and reporting of gynecological pathologies are discussed. Emergencies like ovarian torsion, complex adnexal cyst are also covered.

Donald School Textbook of Ultrasound in Obstetrics & Gynecology

In the last decade there was a widespread use of 3D ultrasound in obstetrical imaging. It is estimated that more than half of the obstetrical clinics are currently using ultrasound equipment with 3D capabilities. Initially known for its beautiful images of the faces of babies, 3D ultrasound has, however, become an important tool in prenatal diagnosis for its ability to image fetal organs in normal and abnormal conditions. This book is a state-of-the-art work conceived as a practical guide to the application of 3D ultrasound in obstetrics. The book is illustrated with images reflecting the clinical utility of 3D ultrasound in prenatal diagnosis. The book has three sections: one section on the technical principles of 3D ultrasound, a second section on various 3D rendering tools with a step-by-step explanation of its use. The third section is dedicated to the clinical use of 3D in the examination of the fetal organs. The authors of this book have extensive expertise in 3D ultrasound that spans for more than 15 years.

Ultrasound in Obstetrics and Gynecology

Since its introduction in 1958, ultrasound has improved dramatically and is now the most important non-invasive technique in obstetrics and gynaecology. It is used in many diagnostic and therapeutic procedures. Every medical practitioner needs to have a basic understanding of the subject. This handy, portable manual discusses various important aspects, including basic physics and safety, Doppler ultrasonography, and 3-dimensional ultrasound. It contains new data, clear images and illustrations and will therefore be useful to gynaecologists, residents, ultrasonographers and medical trainees.

Ultrasound in Gynecology

The second edition of this book has been fully updated to provide clinicians with developments in the role of ultrasound in the care of pregnant women. Beginning with an overview of ultrasound techniques, the following chapters discuss normal foetal anatomy and abnormal signs, providing

in depth coverage of the appearance of malformations in different systems of the foetus' anatomy, including gastrointestinal, urinary, thorax, skeletal and the central nervous system. The final sections examine ultrasound of the placenta, uterus, fallopian tubes, the umbilical cord, ovaries and much more. Separate chapters are dedicated to twins and evaluation of benign pelvic masses. Written by an experienced specialist from Bari University Medical School, Italy, this new edition has been fully revised and includes new information on recent techniques such as 3D and 4D ultrasound. More than 1000 ultrasound images and illustrations enhance the comprehensive text. Key points Second edition presenting clinicians with recent developments in obstetric and gynaecological ultrasound Includes more than 1000 ultrasound images and illustrations Written by expert from Bari University Medical School, Italy Previous edition published in 2008

3D Ultrasound in Prenatal Diagnosis

The Definitive Reference for Obstetric Ultrasound Complete The most comprehensive work on obstetric ultrasound available, with over 1500 superb illustrations (700 in color) Textbook and atlas in one Combined with the gynecologic volume, provides an archive of information and images that leaves no question unanswered Systematic Screening, biometry and organ biometry, detailed and systematic diagnosis of fetal anomalies, multiple pregnancies, abnormal pregnancies Transvaginal and transabdominal ultrasound, Doppler and color Doppler scanning, 3D ultrasound, ultrasound-guided invasive diagnostic and therapeutic procedures Practice-Oriented The ideal reference work for sonographic findings in frequent and rare malformations and syndromes Actual specimens shown next to ultrasound images for comparison.

Manual of Ultrasound in Obstetrics and Gynaecology

Donald School Basic Textbook of Ultrasound in Obstetrics & Gynecology