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Advanced Topics on Three-dimensional Ultrasound in Obstetrics and Gynecology

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About the eBook

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.

Contents

- Short Summary
- Principles of 3D/4D Ultrasound: 3D Data Acquisition, Multiplanar Image, 3D Image and Electrical Scalpel (MagiCut)
- Specific Three-Dimensional Display Modes: 3D Cine, 4D, TUI, VCI, Omniview, SonoVCAD, and STIC
- Volume Measurements by Three-dimensional Ultrasound
- Telemedicine 3D- and 4D-ultrasound in Obstetrics and Gynecology
- Assessment of Fetal Heart by Three- and Four- Dimensional Ultrasound
- Fetal Brain Anatomy by Three-dimensional Ultrasound Neuroscan
- Three-dimensional Assessment of Fetal Face
- Fetal Limb Volume: Its Role in the Prediction of Birth Weight and Evaluation of Fetal Nutritional Status
- Fetal Lung Volumes in Congenital Anomalies Using Three-dimensional Ultrasonography
- Assessment of First Trimester of Pregnancy by Three-dimensional Ultrasound
- The Assessment of Fetal Neurobehavior with Fourdimensional Ultrasound
- Applicability of Three-dimensional Power Doppler Ultrasound in Obstetrics
- Fetal Malformations Detected by Threedimensional Ultrasound
- Three-dimensional Ultrasound in the Second Stage of Labour
- Three-dimensional Virtual Sonographic and Magnetic Resonance Imaging in Obstetrics
- Uterine Anomalies by Three-dimensional Ultrasound
- Three-dimensional Ultrasound for Assessing the Position of Intrauterine and Intratubal Devices
- Three-dimensional Pelvic Sonography of Uterine Masses
- Three-dimensional Ultrasound in Endometrial Cancer and Polyps
- Assessment of Endometrial Receptivity by Twoand Three-dimensional Ultrasound
- Ovarian Follicle Evaluation: Antral Follicle Count and Follicle Monitoring During Controlled Ovarian Stimulation
- Assessment of Ovarian Volume, Ovarian Follicle Count and Ovarian Blood Flow in Hyper Androgenic Anovulation
- Adnexal Tumors by Three-dimensional Ultrasound
- Three-dimensional Ultrasound for the Assessment of the Pelvic Floor

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