



COLOR DOPPLER AND 3D ULTRASOUND IN GYNECOLOGY, INFERTILITY AND OBSTETRICS

ASIM KURJAK AND SANJA KUPESIC

KEY SELLING POINTS

- ◆ Editors of international renown
- ◆ High quality production
- ◆ Excellent value for money

BOOK INFORMATION

ISBN: 81 8061 102 7
Pub Date: **March 2004**
Format: Hardback
Extent: 252 pages

The aim of this book is to inform interested readers about the advantages of color Doppler and three-dimensional ultrasound in gynecology, infertility and obstetrics.

With extensive use of possible applications and illustrative figures of both normal and abnormal cases sonographers can enrich their knowledge of ultrasound scanning of female patients. Detailed explanation of color and pulsed Doppler measurements and advances made by three-dimensional ultrasound are clearly stated for each diagnosis and clinical condition. This makes this book unique and useful for those who are deeply involved in ultrasound diagnosis but also for the beginners entering this dynamic field.

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Distribution by: CBS, Units I/K Paddock Wood Distribution Centre, Paddock Wood, Tonbridge, Kent. UK. TN12 6UU.
Tel: +44 (0) 1892 837171 Fax: +44 (0) 1892 837272 Teleordering mnemonic: combook

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Doppler Ultrasound in Obstetrics & Gynecology encompasses the full spectrum of clinical applications of Doppler ultrasound for the practicing obstetrician-gynecologist, including the latest advances in 3D and color Doppler and the newest techniques in 4D fetal echocardiography. Written by preeminent experts in the field, the book covers the basic and physical principles of Doppler ultrasound; the use of Doppler for fetal examination, including fetal cerebral circulation; Doppler echocardiography of the fetal heart; and the use of Doppler for postdated pregnancy and in cases of multiple gestations. Color Doppler sonography in the assessment of the fetal heart (Rabih Chaoui) Introduction Examination of the normal heart Examination of the abnormal heart Differential diagnosis of tricuspid regurgitation. 13. Color Doppler sonography in the diagnosis of fetal abnormalities (Rabih Chaoui) Introduction Placental and umbilical vessels Renal vessels Intracranial vessels Intrathoracic vessels Intra-abdominal vessels Fetal tumors Visualization of fluid movements Differential diagnosis of oligohydramnios. The Fetal Medicine Foundation, under the auspices of the International Society of Ultrasound in Obstetrics and Gynecology, has introduced a process of training and certification to help to establish high standards of scanning on an international basis. Ultrasonography in Gynecology. Ultrasonography in Gynecology. Chapter. Chapter. Preliminary report of an ultrasonography and colour Doppler uterine score to predict uterine receptivity in an in-vitro fertilization programme. Hum Reprod 1998; 13(6): 1669-1673. 24. Schild R, Holthaus S, Alquen J, et al. Fibroids and infertility: an updated systematic review of the evidence. Fertil Steril 2009; 91(4): 1215-1223. 28. Klatsky PC, Tran ND, Caughey AB, Fujimoto VY. Fibroids and reproductive outcomes: a systematic literature review from conception to delivery. Am J Obstet Gynecol 2008; 198(4): 357-366. 29. Bulletti C, De Ziegler D, Polli V, Flamigni C. The role of leiomyomas in infertility. J Am Assoc Gynecol Laparosc 1999; 6(4): 441-445. Transvaginal Color Doppler and Pulsed Doppler Diagnosis of Benign Changes in the Uterine Myometrium. A. Kurjak and S. Kupesic. authors have described Doppler ultrasound applications in the abdomen and especially in obstetrics and gynecology 3, 13, 16. During the past 15 years, these applications have become widely adopted and established through the use of color-flow techniques and ongoing refinements in instrumentation 10. The second edition of Color Doppler, 3D & 4D Ultrasound in Gynecology, Infertility & Obstetrics, presents new advances in the use of ultrasound in obstetrics and gynaecology. Beginning with an introduction to the Doppler Effect and ultrasound, each chapter has been revised to focus on the clinician's needs in ultrasound practice. The text guides clinicians through the use and interpretation of ultrasound in a variety of gynaecological conditions and includes sections on how to write ultrasound and obstetric ultrasound reports. In addition, the book includes a manual for sonographers and