6. Ultrasonography in In Vitro Fertilization. Ovarian assessment. Ultrasound-guided oocyte retrieval. Anne Z. Steiner Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, Women’s and Children’s Hospital, Keck School of Medicine, University of Southern California, Los Angeles, California, U.S.A. Alastair G. Sutcliffe Department of Community Child Health, Royal Free and University College Medical School, and University College London, London, U.K. Power Doppler ultrasound can further depict and quantify the microcirculation of the target organ or the region of interest. The aim of this review is to report the present status and the development of 3D ultrasonography, as well as 3D power Doppler in the field of infertility and reproductive endocrinology. 3D ultrasound may help us investigate the functional and potential roles in various pathologic conditions of the female pelvis. Furthermore, 3D ultrasound may also provide substantial assistance in the clinical application of infertility and reproductive endocrinology. Book Description. Nowhere has the impact of ultrasonography been more dramatic than in reproductive medicine. This authoritative textbook encompasses the complete role of ultrasonography in the evaluation of infertility and management of assisted reproduction. Essential reading for gynecologists, ultrasonographers and radiologists working in reproductive medicine, reproductive endocrinology and infertility, ultrasonography and radiology. About the Author. Botros R. M. B. Rizk is Professor and Head of the Division of Reproductive Endocrinology and Infertility, University of South Alabama College of Medicine. Transrectal ultrasonography in male infertility. Levent Gurkan, Andrew C. Harbin, Wayne J. G. Hellstrom. Published: 6 October 2011. by Cambridge University Press (CUP). in Ultrasonography in Reproductive Medicine and Infertility. Ultrasonography in Reproductive Medicine and Infertility pp 171-175; doi:10.1017/cbo9780511776854.023. Publisher Website. Google Scholar.