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Preface



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Guest Editor

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It is with great pleasure that I write this introduction to the second issue on Obstetric Ultrasound for *Ultrasound Clinics*. The editors have assembled articles that will be of interest to obstetricians, gynecologists, sonographers, and radiologists.

In the first section, there is an article on embryology by Drs. Gupta and Angtuaco. This article gives a fine review of the imaging appearance of normal early pregnancy with respect to the sequence of embryologic events that occur during this time. There are two articles that describe assessment of the fetal central nervous system. Drs. Montegudo and Timor-Tritsch give detailed illustrations of the dedicated scan of the fetal brain. They illustrate the normal and abnormal appearance of the fetal brain throughout gestation, and give detailed descriptions of scanning in 2D and 3D. Dr. Mehta reviews imaging of fetal neural tube defects, including encephaloceles, anencephaly, and spinal neural tube defects, showing correlative

imaging with ultrasound and MR imaging. Dr. Lee's article on quantitative approaches for volume sonography during pregnancy reviews basic approaches for the quantitative analysis, including technical aspects of scanning and assessments of volumes. He illustrates how quantitative analysis can be useful for assessment of fetal abnormalities, such as pulmonary hypoplasia, chromosomal anomalies, and micrognathia. Finally, a review by Dr. Kazan Tannus details the sonographic and magnetic resonance appearance of a wide variety of fetal tumors, and gives a structured differential diagnosis for tumors in various locations in the fetal body.

As evidenced by this overview, this issue has articles that span all three trimesters and combine 2D and 3D ultrasound, as well as fetal magnetic resonance imaging. I hope this issue of *Clinics* will aid prenatal diagnosticians in their pursuit of quality fetal ultrasound.