

I. GENERAL OBSTETRIC SONOGRAPHY

1. *Ultrasound Bioeffects and Safety: What the Practitioner Should Know*
2. *Normal Pelvic Anatomy as Depicted with Transvaginal Sonography*
3. *Transvaginal Sonography of Early Intrauterine Pregnancy*
4. *Transvaginal Sonography of Ectopic Pregnancy*
5. *Fetal Biometry*
6. *Prenatal Diagnosis of Congenital Heart Disease*
7. *Placenta, Cord, and Membranes*
8. *Prenatal Diagnosis of Placenta Accreta*
9. *Fetal Growth Restriction*
10. *Doppler Velocimetry of the Uteroplacental Circulation*
11. *Doppler Interrogation of the Fetal Circulation*
12. *Color Doppler Sonography in Obstetrics*
13. *Sonography in Multiple Gestation*

II: FETAL ANOMALIES AND DISORDERS

14. *Fetal Anomalies: Overview*
15. *Prenatal Diagnosis of Cerebrospinal Anomalies*
16. *Fetal Neck and Chest Anomalies*
17. *Fetal Gastrointestinal Anomalies*
18. *The Fetal Genitourinary System*
19. *Fetal Skeletal Anomalies*
20. *Fetal Syndromes*
21. *Ultrasound Detection of Chromosomal Anomalies*

III: RISK ASSESSMENT AND THERAPY

22. *First Trimester Screening*
23. *Fetal Biophysical Profile Score: Theoretical Considerations and Practical Application*
24. *Chorionic Villus Sampling*
25. *Amniocentesis*
26. *Fetal Blood Sampling*
27. *Fetal Therapy: Maternal Fetal Surgery and Percutaneous Ultrasound Guided Fetal Therapy Techniques for Congenital Anomalies*

IV: MATERNAL DISORDERS

28. Sonographic Examination of the Uterine Cervix

29. Sonography of Trophoblastic Diseases

30. Postpartum Ultrasound

V: GYNECOLOGIC SONOGRAPHY

31. Sonographic Evaluation of Pelvic Masses with Transabdominal and/or Transvaginal Sonography

32. Color Doppler Sonography of Pelvic Masses

33. Sonographic Evaluation of Uterine Disorders

34. Transvaginal Sonography of Endometrial Disorders

35. Sonographic Techniques for Early Detection of Ovarian and Endometrial Cancers

36. Acute Pelvic Pain: Transvaginal and Doppler Evaluation

37. Transvaginal Sonography in Gynecologic Infertility

38. Sonohysterography and Sonohysterosalpingography

39. Guided Procedures Using Transvaginal, Transperineal, and Transrectal Sonography

40. Pelvic Floor Ultrasound

41. Breast Sonography

42. Breast Ultrasound

VI: COMPLEMENTARY IMAGING: MODALITIES

43. Volume Sonography: Core Concepts for Clinical Practice

44. Obstetrical Applications for 3D Ultrasonography

45. Fetal Cardiac Evaluation Using 3D and 4D Ultrasonography

46. Magnetic Resonance Imaging in Obstetrics

47. Three-Dimensional Volumetric Sonography in Gynecology

48. MRI of the Female Pelvis: Problem Solving Sonographic Uncertainties