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Embryonic ultrasound from 6 to 10 weeks of gestation

Tuangsit Wataganara, MD

Associate Professor and Chief, Division of Maternal-Fetal Medicine, Department of Obstetrics and Gynecology, Faculty of Medicine Siriraj Hospital, Bangkok, THAILAND

In general, prenatal ultrasound (US) from 6 to 10 weeks of gestation is for determining the location, viability, and gestational age. Opportunistic detection of structural abnormalities at this early stage relies on the experience of the operator, transvaginal approach, and high-resolution probes. In most cases, the diagnosis can be suspected, and then established at subsequent gestational ages. Use of different modalities of three-dimensional US may also increase the diagnostic accuracy. Through detailed examinations, key developmental milestones such as limb formation and cranial development are assessed and correlated with gestational age. On top of these, the longitudinal embryonic growth patterns may also provide a foundation for tailoring and improving the quality of prenatal care.