

3-D ultrasound not accurate for ID of sex in first trimester

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the fetal sex in the first trimester of pregnancy is not possible, even using an advanced 3D [ultrasound technique](#)," the authors write. "If fetal sex has to be determined, other techniques like DNA sequencing should be used."

More information: [Abstract](#)
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(HealthDay)—Three-dimensional (3D) virtual reality ultrasound is not accurate in first-trimester fetal sex determination, according to a study published online Oct. 19 in the *Journal of Clinical Ultrasound*.

Hein Bogers, M.D., from Erasmus Medical Center in the Netherlands, and colleagues obtained 3D [ultrasound](#) volumes in 112 pregnancies between nine and 13 gestational weeks. They were projected offline as a hologram, and the genital tubercle angle was measured. The 3D ultrasound aspect of the genitalia was examined for male or female appearance.

The researchers found that there was a significant difference in genital tubercle angles between male and female fetuses, but it was not a reliable predictor of gender. Based on first-trimester genital appearance, correct sex prediction was 56 percent at best.

"Our results indicate that accurate determination of

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