

Nomogram of fetal heart rate parameters after vibroacoustic stimulation

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Objectives (목적)

To define the reference ranges for fetal heart rate (FHR) parameters after vibroacoustic stimulation (VAS) according to gestational age, by determining the relationship between the FHR and gestational age using a computerized FHR analysis system.

Methods (연구 방법)

We analyzed the 3,253 subjects data for the duration of recording within the observational window for 10 min non-stress tests (NST) from the total NST, as well as 10 min VAS test. FHR parameters were analyzed for various gestational groups.

Results (결과)

The FHR parameters were related to gestational age. The mean baseline FHR did not decrease with increasing gestational age. The other parameters had a similar tendency as the NST results except decelerations.

Conclusions (결론)

Differences in the FHR parameters between gestational groups were statistically significant, and the gestational age of the fetus should be considered when interpreting FHR patterns after VAS.