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临床医学

超声测量胎儿侧脑室新方法的应用评价

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摘要:

目的 评价超声测量侧脑室新方法—Guibaud法。方法 常规超声产前检查140例胎儿, 每一例受检胎儿分别采用常规方法与Guibaud法测量侧脑室宽度。采用Bland Altman法比较Guibaud方法与常规方法的一致性, 并随机抽取30例胎儿行重复性检验及再现性检验。结果 ①测量侧脑室Guibaud法与常规方法一致性较好, 98.6% (138/140) 的点在95%一致性界限 (-0.46, 0.73) 以内; 差值的均值为0.13cm, 绝对值最大为0.7cm; ② Guibaud法的重复性较好及再现性较好 (P>0.05)。结论 测量侧脑室房部宽度的Guibaud新方法与常规方法一致性较好, 标准平面的获得简单且稳定, 再现性与重复性好, 提高了测量的准确性。

关键词: 超声检查; 胎儿; 侧脑室; 顶枕沟

Evaluation of the new method for ultrasound measurement of fetal lateral cerebral ventricle

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Abstract:

Objective To evaluate a new method—the Guibaud method for ultrasound measurement of the fetal lateral cerebral ventricle. Methods One hundred and forty fetuses' lateral ventricles width were measured by the routine method and the Guibaud method. The Bland-Altman statistical method was used to compare the consistency between the two methods. 30 fetuses were randomly selected to evaluate the repeatability and reproducibility. Results The Guibaud method had high consistency with the routine method. 98.6% (138/140) of the points were in the 95% limits of consistency (-0.46, 0.73); the mean difference was 0.13cm and the maximum absolute value was 0.7cm. The repeatability and reproducibility of the Guibaud method was better (P>0.05). Conclusion The Guibaud method has high consistency with the routine method. The standard planar is simple and stable to obtain. The repeatability and the reproducibility is better. All of these improve the accuracy of the measurement.

Keywords: Ultrasonography; Fetus; Lateral ventricle; Parieto-occipital sulcus

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