

吴春燕,赵新美,陈雷.产前超声诊断胎儿全前脑及其面部畸形[J].中国医学影像技术,2013,29(9):1540-1543

产前超声诊断胎儿全前脑及其面部畸形

Prenatal ultrasonic diagnosis of fetal holoprosencephaly and facial anomalies

投稿时间: 2013-03-18 最后修改时间: 2013-07-09

DOI:

中文关键词: [前脑无裂畸形](#) [面部畸形](#) [超声检查,产前](#)

英文关键词: [Holoprosencephaly](#) [Facial anomalies](#) [Ultrasonography,prenatal](#)

基金项目:

作者	单位	E-mail
吴春燕	南京医科大学附属无锡市人民医院超声医学科,江苏 无锡 214023	
赵新美	南京医科大学附属无锡市人民医院超声医学科,江苏 无锡 214023	xmz206@sina.com
陈雷	南京医科大学附属无锡市人民医院超声医学科,江苏 无锡 214023	

摘要点击次数: 270

全文下载次数: 128

中文摘要:

目的 观察胎儿全前脑畸形(HPE)及其面部畸形的声像图特点,探讨产前超声诊断HPE的价值。方法 回顾性分析我院产前超声诊断或拟诊的15胎HPE的超声表现,与引产后尸体解剖结果进行对照分析。结果 15胎HPE中,无叶型10胎,半叶型5胎,均伴不同程度、不同部位面部畸形,其中独眼畸形7胎、正中唇腭裂4胎、猴头畸形2胎、头发育不全畸形1胎、轻度眼距过近1胎。27处面部畸形中,以眼、鼻、唇、腭等中轴结构多处受累、多种畸形组合为主,超声诊断符合率为70.37%(19/27)。10胎合并面部以外其他结构异常(共30处),7胎为多发畸形,超声诊断符合率76.67%(23/30)。结论 超声可准确显示HPE的典型颅内改变和特殊的面部畸形,有助于诊断及鉴别诊断。

英文摘要:

Objective To investigate ultrasonic features of fetal holoprosencephaly (HPE) and facial anomalies, and to explore the value of prenatal ultrasonography in diagnosis of HPE. **Methods** The ultrasonic manifestations of 15 fetuses with HPE diagnosed or suspected with prenatal ultrasound were retrospectively analyzed and compared to the autopsy results. **Results** There were 10 fetuses of alobar and 5 of semilobar. Facial defects with different degrees and different positions were found in all 15 fetuses, including 7 fetuses with cyclopia, 4 with middle cleft of lip and palate, 2 with cebocephaly, 1 with ethmocephaly and 1 with milder hypotelorism. There were totally 27 facial anomalies mainly involving midline structures such as eyes, nose, lip and palate, characterized by multiple combinations of multi-deformations. The diagnostic accordance rate of prenatal ultrasound for 27 facial anomalies in HPE fetuses was 70.37% (19/27). Extrafacial malformations were found in 10 fetuses (30 lesions), and in 7 fetuses multiple malformations were noticed, and the diagnostic accordance rate of ultrasound for extra-facial malformations of HPE was 76.67% (23/30). **Conclusion** Classic intracranial abnormalities and characteristic facial features of HPE could be demonstrated accurately with prenatal ultrasound, which is helpful to the diagnosis and differential diagnosis of HPE.

[查看全文](#) [查看/发表评论](#) [下载PDF阅读器](#)

您是第6270259位访问者

版权所有:《中国医学影像技术》期刊社

主管单位:中国科学院 主办单位:中国科学院声学研究所

地址:北京市海淀区北四环西路21号大猷楼502室 邮政编码:100190 电话:010-82547901/2/3 传真:010-82547903

京ICP备12000849号-1

本系统由北京勤云科技发展有限公司设计