The Relationship Between Prenatal Visits and Age of Hip Dysplasia Diagnosis in Infants

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Abstract

Intro: To investigate if there is a relationship between the number of prenatal visits and the age at which hip dysplasia is diagnosed in infants.

Methods: We conducted a retrospective chart review between January 2017 and December 2021, collecting the date of birth, the date of the diagnosis of hip dysplasia, and the number of prenatal visits attended by the mother. We applied a linear regression analysis to examine the relationship between the number of prenatal visits and the age of the diagnosis of hip dysplasia.

Results: Out of the 741 infants in the study, the mean age at diagnosis was 89.73 days, and the mean number of prenatal visits was 7.39. The simple linear regression analysis revealed no statistically significant correlation (r=0.04, p = 0.23).

Conclusion: Our findings indicate no significant correlation between the rate of prenatal visits and the age of hip dysplasia diagnosis. This lack of association may be influenced by factors including healthy mothers attending fewer prenatal visits, the absence of maternal age, parity data. This emphasizes the importance of hip dysplasia education into prenatal visits to enhance health literacy.

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