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Near miss baby and Near miss mom - Important indicators of maternal and child care

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The term “near miss” is used as a tool to assess and improve the quality of care, first applied in the study of maternal health, however, it has recently been used in the neonatal context. There is a lot of correlation between the near miss mom and the near miss baby due to the maternal characteristics that are related to the incidence of neonatal morbidity. For this reason, the present study aimed to verify the characteristics of newborns who had serious complications due to pregnancy, delivery, or puerperium; and maternal variables associated with severe infant morbidity. Through a retrospective longitudinal observational case and control study, carried out through a survey of medical records at the Medical Archive and Statistics Service of the Hospital Maternidade de Interlagos, located in the southern region of the city of São Paulo, in the year 2019. After selecting the sample of interest, the data of interest for the research were collected, which addressed information regarding the mother and the newborn. Through the analysis carried out, it was possible to observe that the Apgar of 1st and 5th minute proved to be insignificant in individual values, however, performing the general analysis of the frequencies it was possible to conclude a significance in the results, as well as the outcomes of the newborns, adequate prenatal care and the normal labor and delivery. Neonatal complications such as fetal distress and bradycardia, ICU stay and growth restriction did not prove to be directly relevant, such as maternal comorbidities. Nevertheless, is still possible to conclude that there is a strong relationship between maternal and child health and greater care must be considered.



Figure 1: Main direct and indirect factors of importance for the Near Miss Baby and Mom.

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Recent publications

1. Kale PL, et al. Pragmatic criteria for defining neonatal near miss: a comparative study. *Journal of Public Health*, v. 51, p. 111, 2017.
2. Shirley P, et al. Near miss Neonatal: integrative review. *Research, Society and Development*, vol. 9, no. 11, e5059119979, 2020.
3. Pileggi-Castro C, et al. Development of criteria for identifying neonatal near-miss cases: analysis of two WHO multicountry cross-sectional studies. *BJOG: An International Journal of Obstetrics & Gynaecology*, v. 121, p. 110–118, 2014.

Biography

Fernanda Achkar is a Fifth-year medical student at the UNISA, university in São Paulo, Brazil. She was vice president of the academic center at her university, created and organized volunteer work for the needy population of the state and published several articles in journals and conferences relevant to the medical field, mainly in concern about maternal and child health.

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