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Dental Chromatic Alteration of Deciduous Teeth caused by Hyperbilirubinemia: A Case Report

Statement of the Problem: Neonates due to hepatic immaturity have a predisposition for cholestasis. One consequence of cholestasis is hyperbilirubinemia, which results from hemoglobin degradation. The bilirubin can be deposited gradually in the dentin and in the enamel during dental development, remaining trapped in its interior, resulting in a green pigmentation of these deciduous teeth. The purpose of this study is to report a case of green pigmentation of deciduous teeth caused by hyperbilirubinemia. Methodology & Theoretical Orientation: This study was approved by the ethics and research committee and report a case of a male patient with one year and six months that was taken by his mother to the paediatric dentistry clinic of the University of Health and Medical Sciences of Juiz de fora-SUPREMA, in 2018, with the complaint of a dental chromatic alteration of the erupted deciduous teeth. Findings: During the anamnesis, the mother reported that the child was born prematurely and had an episode of neonatal jaundice. During the clinical examination, a greenish color was observed in all erupted teeth. The diagnosis was dental chromatic alteration as sequelae of the hyperbilirubinemia caused by neonatal cholestasis. It was performed dental prophylaxis with Robinson brush and prophylactic paste, and it was also applied fluoride varnish (Duofluorid, FGM, Joinville, Brazil) on all teeth. Due to the child's age, the treatment plan did not prioritize aesthetic rehabilitation. Conclusion & Significance: Finally, the interaction between the dentist and the pediatric doctor is vital for a complete diagnosis of this disorder. Additionally, the green pigmentation of the teeth is unusual; however, hyperbilirubinemia is prevalent in infants.

Biography:

Ms Dantas is an undergraduate student in Odontology at the University of Medical and Health Sciences of Juiz de Fora- Suprema, Juiz de Fora, Minas Gerais, Brazil. Her research topics include Paediatric Dentistry and Pathology. She won one award in the Conference of Dentistry at the Federal University of Piauí related to her research on the Riga-Fede disease in Neonates. In this framework, she also did six presentations about Paediatric Dentistry and collaborated as a co-author of other four research projects presented at Brazilian Conferences. Finally, she also did a presentation at the 27th World Congress on Dentistry and Oral Health related to her research on Congenital Epulis in Neonates.

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