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Characterization of the impact of the renutrition milk on the clinical profile and intestinal microbiota of the malnourished children

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Infantile malnutrition is a scourge that causes the death of 3.1 million children every year worldwide aged less than five years. Recently, several studies have focused on the effect of intestinal flora in weight regulation. In this context, we set two principal objectives for our work, out of which, one is to characterize the clinical profile and the composition of intestinal flora of the children who are malnourished and the healthy ones, residents of the town of Mascara (Algeria). The second objective was to specify the impact of the administration of the renutrition milk on the intestinal composition of the microbiota of the malnourished children. So a group of 40 children of the two sexes aged between 2 and 36 months is selected for this study. A clinical examination, near the podiatrists of the hospital Meslem Tayeb of the town of Mascara and a microbiological analysis of fecal matter were carried out. This research made it possible to note that the malnourished children included in this study suffered from a serious malnutrition, characterized by a delay in growth and a remarkable weight insufficiency and that their intestinal flora is quantitatively and qualitatively different from that of the healthy ones on the one hand, while on the other hand; the administration of renutrition milk does not have any significant influence on the composition of the intestinal flora of these malnourished children.

Biography

Asmaa Belgharbi is an Algerian Teacher and has completed her Graduation studies in Biology from the Mascara University and Post-graduation studies in Microbiology from the same University. She is a Teacher of Predictive Microbiology in Mascara University, Faculty of Sciences, and is also responsible for the formation of nurses in Paramedical School of Mascara. She was a major of her promotion (2006/2013). She has participated in the formation of more than 100 Master student's thesis and has also participated in different National Congress of Microbiology.

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