

Annual Conference on

MICROBIAL PATHOGENESIS, INFECTIOUS DISEASE, ANTIMICROBIALS AND DRUG RESISTANCE

August 23-24, 2017 | Toronto, Canada

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

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Child malnutrition represents an insidious plague that causes the death of 3.1 million children aged less than 5 years in the world every year. Recently, several studies have looked at the effect of intestinal flora on weight regulation. Our own objectives are to characterize the clinical profile and the composition of the intestinal flora of malnourished children and the healthy ones who are residents in the city of Mascara (Algeria). And the other one is to specify the impact of the administration of the renutrition milk on intestinal microbiota composition of malnourished children. In total, 40 children of both genders aged between 2 months and 36 months were selected for this study. A clinical

examination with Pediatricians and microbiological analysis of the fecal matter was carried out. The first results revealed that malnourished children included in the study suffer from severe malnutrition characterized by stunted growth and remarkable underweight and their intestinal flora is quantitatively and qualitatively different from that of healthy ones on one hand and on the other hand the administration of the milk of renutrition has no significant influence on the composition of the intestinal flora in these malnourished children.

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