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PREBIOTIC EFFECT OF DAILY FRUCTOOLIGO INTAKE ON WEIGHT GAIN AND REDUCTION C DIARRHEA AMONG CHILDREN IN A BANGLAJ SLUM: A Randomized Double-masked Placebo-con

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Abstract: Fructooligosaccharide (FOS) is a typical prebiotic agen double-masked, placebo-controlled study was performed to evalua daily intake of an isotonic solution containing FOS on body weight diarrhea in children in an urban slum in Bangladesh over six consecu enrolled a total of 150 children, aged 25-59 months. Sixty-four chil received 50 mL of isotonic solution with 2 g of FOS added, and 69 group were given an identical solution with 1 g of glucose added, or measurement of body weight was carried out every other day; heigh were measured once a month; and the children's mothers were inte about diarrhea, the consistency and constitution of stool, other symp treatment. As a result, the body weight gain during the six-month $p\epsilon$ in the FOS group and 0.89±0.48 kg in the placebo group, while the arm circumference were not significantly different between the two diarrhea episodes during the six-month period was not significantly (reduction in the duration of diarrhea days and of duration per episo FOS group (p=0.039 and p=0.008, respectively). In conclusion, da associated neither with the children's growth nor with the number o a significant reduction in the duration of diarrhea days was observed needed to confirm the effects of FOS by changing the doses and elin antibiotics.

Key words: prebiotic effect, fructooligosaccharide (FOS), weight

[PDF (56K)] [References]

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