

# Recent emerging gut microbiota management modalities in acute cases of diarrhea in children: (A comparative study review about use of probiotics)



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## Biography

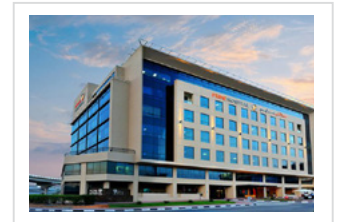
Malak A Alia is an Arab Board Certified Pediatrician. She earned her medical degree from Damascus University and later obtained her master's degree in Pediatrics from the same university. Subsequently she obtained Arab Board of Health Specialization in Pediatrics. She is certified in basic life support (BLS), neonatal resuscitation (NRP) and pediatric advanced life support (PALS). She has 6 years' experience in pediatric field and recently working as a specialist in Prime Health Group in UAE.

## Abstract

**Background and Aims:** Acute Diarrhea (AD) is a highly prevalent condition that causes significant morbidity and mortality worldwide. Conventional therapies include Oral Rehydration Solutions (ORS), Antibiotics and Zinc Products. Emerging data suggest that Probiotics use in the treatment and control of AD cases in children may help supplement current therapies for further control.

Herein, we review the evidence of several Probiotics modalities for AD treatment. We describe the Clinical Impact and prevalence of Acute Diarrhea in children and its complications, provide an overview of current treatments, and finally, discuss recent emergent Gut approaches to AD management. Specifically, we will describe - in a Comparative study - on the utility of different kinds of Probiotics known and used and common natural products in the treatment of acute cases of AD and focus on recent, high-quality studies. Adverse effects and potential interactions of each therapy will be highlighted where applicable.

**Keywords:** Acute Diarrhea, Probiotic supplements, Gut Microbiota, ORS, and Natural agents.



[3<sup>rd</sup> International Conference on Pediatrics and Healthcare](#) | October 19, 2020

**Citation:** Malak A Alia, Recent emerging gut microbiota management modalities in acute cases of diarrhea in children: (A comparative study review about use of probiotics), 3rd International Conference on Pediatrics and Healthcare, October 19, 2020, 08.