

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

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### ***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 & 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 & 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 & 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.

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### ***Biography:***

Gehan Ismael Mohamed is a Family Physician whose experience in the field spans 20 years, backed by a higher education degree from Netherlands. She is pioneering as an open and contextual evaluation model based on constructive responses, which has led in the creation of new methods to improve primary Maternity & Child healthcare. Gehan has established this model following her years of experiences in medical practice, research, evaluation, and teaching in hospitals and medical Facilities in the region, including Egypt and the Saudi Arabia.