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Childhood Obesity and MUO (Metabolically Unhealthy Obesity): Pediatric Nutrition and Dietary Patterns

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Message from the Guest Editors

We are pleased to invite researchers to submit original or review papers regarding metabolically unhealthy obesity (MUO) in pediatrics, with an emphasis on dietary patterns and nutrition interventions. Pediatric obesity is characterized by an increased risk of several metabolic derangements. The underlying factors leading to the development of metabolic disturbances in pediatric obesity are under investigation; the most likely one is the development of insulin resistance, mainly caused by adipose tissue inflammation. It is also known that puberal age, in which a physiological decrease in insulin sensitivity occurs, is associated with the transition from the MHO to MUO phenotype. A Mediterranean diet may be a promising approach for the treatment/prevention of metabolic derangements related to obesity. Moreover, the role of specific nutrients or bioactive compounds could be interesting to evaluate. The goal of this Special Issue is to present the latest evidence on dietary patterns or nutrition strategies which, combined with a multidisciplinary approach, are able to prevent/counteract MUO.

Deadline for manuscript submissions:

closed (15 April 2024)



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Special Issue



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