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Nutrition and Endocrine and Immune Systems: Effect on Child's Autoimmune Diseases

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Message from the Guest Editor

In endocrine systems, nutrition plays a significant action in the regulation of optimal immunological response despite the current knowledge available failing to sufficiently demonstrate the impact of specific dietary patterns on immune-mediated clinical disease endpoints. Autoimmune diseases are characterized by abnormal immune response against normal tissues of the body. While the aetiology is still unclear, both genetic and environmental factors are recognised to play key roles in disease development. Diet as a modifiable factor has the potential to improve clinical outcomes for several major autoimmune diseases. Topics that are relevant to this Special Issue include research on the relationship between diet and hormonal synthesis, release, metabolism and action, as well as immune cells and function. Topics also include the role of diet in the changes of the gut microbiome and the genesis of autoimmune diseases. Finally, the role of diet and the consequent hormonal and immune alterations in the genesis and course of autoimmune diseases, as well as the potential role of diet in the therapeutic management of autoimmune problems is of interest.



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