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Influence of Nutrients on Acid-Base Balance

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Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to provide the most updated clinical evidence concerning the relationship between food carrying acid-forming nutrients and chronic and metabolic disorders, and also related mechanisms in their progression. Nutrients are known to influence the body's acid-base balance, providing precursors of non-volatile acids and bases. Diets high in acid-forming nutrients induce a chronic low-grade metabolic acidosis status jointly with the progress of metabolic alterations such as insulin resistance, diabetes, metabolic bone disease, chronic kidney disease, age-related muscle loss, hypertension, and other chronic diseases. This Special Issue is also of interest to long-term artificial nutrition patients. Metabolic acidosis and metabolic bone disease are frequent complications in patients receiving total parenteral or enteral nutrition due to the excessive exogenous administration and/or endogenous production of non-volatile acids. Submissions of experimental papers, up-to-date reviews (systematic reviews and meta-analyses), and commentaries addressing a broad range of issues related to this topic are welcome.

Dr. Roberto Iacone

Guest Editor



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Special Issue



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