



Influence of Nutrients on Acid-Base Balance

Guest Editor:

Dr. Roberto Iacone

Department of Clinical Medicine
and Surgery, ESH Excellence
Center of Hypertension, and
Internal Medicine and Clinical
Nutrition Unit, Federico II
University Hospital of Naples, Via
S. Pansini 5, 80131 Naples, Italy

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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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Editors-in-Chief

Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
2. Research Institute of Biomedical and Health Sciences (IUIBS), University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain
3. Preventive Medicine Service, Centro Hospitalario Universitario Insular Materno Infantil (CHUIMI), Canarian Health Service, 35016 Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

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Nutrients Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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