

Special Issue

Nutrition, Taste, Reward and Bariatric Surgery

Message from the Guest Editors

Bariatric surgery is the most effective and lasting treatment for severe obesity and associated metabolic disorders, but various procedures have differential outcomes with individual differences with respect to durability of weight loss, in addition to potentially conferring increased risk for substance use. The neural and hormonal mechanisms underlying decreased high calorie food intake and altered nutrient and taste preferences with the potential of reward transfer to non-food substances after bariatric surgery remain largely unexplored. Thus, we solicit original studies and reviews on the recent progress in the field in order to promote a better understanding of pre-surgical and post-surgical factors contributing to metabolic surgery's long-term success as well as individual differences in quality-of-life outcomes. We welcome studies in human and animal models with a broad area of focus including but not limited to nutrient preferences, individual taste and reward reactivity, metabolic, gut-and-brain hormonal and neural (e.g., vagal) mechanisms, as well as the contribution of changes in gut microbial–host metabolic crosstalk, and inflammatory processes.

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About the Journal

Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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