



The Effect of Bariatric Surgery on Food and Taste Preferences Contributing to Weight Loss

Guest Editor:

Prof. emer. Anders M. Sjodin

Department of Nutrition, Exercise and Sports, University of Copenhagen, Rolighedsvej 26, 1958 Frederiksberg, Denmark

Deadline for manuscript submissions:

closed (15 May 2022)

Message from the Guest Editor

Dear Colleagues,

Weight loss after bariatric surgery (BS) is mainly caused by a substantial decrease in energy intake. This reduction may not only be a consequence of generally decreased food intake, but may also depend on a shift in food preferences, away from sugary and high-fat foods towards less energy-dense foods. This hypothesis is, however, supported by studies on rodents, but can we translate these findings to humans?

The underlying physiological mechanisms driving the proposed changes in food preferences have been proposed to include changes within the sensory and reward domains of taste, leading to an unconditioned shift in food preferences. Altered gut hormone responses have been implicated as mediators in this “reprogramming” of food preferences towards a diet comprising fewer sugary and fatty foods.

Food-related behavior is, however, multifactorial and the shift in food preferences after bariatric surgery may not only be a direct physiological response. A better understanding of this area may help us to improve care for patients after bariatric surgery.





an Open Access Journal by MDPI

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

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, AGRIS, and other databases.

Journal Rank: JCR - Q1 (*Nutrition & Dietetics*) / CiteScore - Q1 (*Nutrition and Dietetics*)

Contact Us

Nutrients Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/nutrients
nutrients@mdpi.com
X@Nutrients_MDPI