

Special Issue

The Effect of Nutrition and Lifestyle on Linear Growth, Body Composition and Metabolic Function in Children and Adolescents

Message from the Guest Editors

Adolescence is a critical period of development, and alterations in nutritional status and physical activity during this period may affect linear growth and body composition, with long term implications on health in later life. Excessive caloric intake, reduced physical activity, and obesity during adolescence may result in accelerated linear growth and earlier onset of puberty, as well as with impaired cardiometabolic health during adulthood, while cardiorespiratory fitness during adolescence is associated with a lower risk for cardiovascular disease. Conversely, undernutrition due to poverty, malabsorption, chronic diseases, or anorexia nervosa results in impaired linear growth and delayed puberty, and has long-term implications on adult height, bone and reproductive health, and cognitive function. There are still large data gaps regarding the effects of nutritional and lifestyle interventions during adolescence on linear growth, body composition, and metabolic state, and on the implications of such interventions on future health. In this special issue, we welcome original research articles, as well as review articles on the current state of research.

Guest Editors

Prof. Dr. Dalit Modan-Moses

1. Pediatric Endocrinology and Diabetes Unit, The Edmond and Lily Safra Children's Hospital, Chaim Sheba Medical Center, Tel Hashomer, Ramat-Gan, Israel
2. The Sackler Faculty of Medicine, Tel Aviv University, Tel-Aviv, Israel

Dr. Yael Levy-Shraga

1. Pediatric endocrinology and diabetes unit, The Edmond and Lily Safra children's hospital, Sheba medical center, Tel Hashomer, Israel
2. Meuhedet Health Services, Tel Aviv-Yafo, Israel
3. The Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nutrients@mdpi.com

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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.

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 (UIBS), 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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