



The Impact of Nutritional Status on Hormonal and Metabolic Disorders in Women with Polycystic Ovary Syndrome

Guest Editor:

Prof. Dr. Magdalena

Olszanecka-Glinianowicz

Health Promotion and Obesity Management Unit, Department of Pathophysiology, Medical Faculty of Silesia in Katowice, Medical University of Silesia, 40-055 Katowice, Poland

Deadline for manuscript submissions:

closed (15 September 2021)

Message from the Guest Editor

Dear Colleagues,

The incidence of obesity among young women is constantly increasing. The problem of infertility is also growing. One of the most common causes of infertility is ovulation disturbances, especially associated with polycystic ovary syndrome (PCOS). Inflammation in visceral adipose tissue results in adipokines secretion disturbances and local insulin resistance development. Adipose tissue becomes ineffective as a place of energy storage, and the excess energy accumulates ectopically in liver and muscle and, there, results in the development of insulin resistance. All of these disturbances are linked to the pathogenesis of PCOS. In this context, both of the factors influencing the development of obesity and its impact on hormonal and metabolic disturbances are important directions of study.

The purpose of this Special Issue is to collect several original research articles and reviews dealing with the impact of nutritional status on hormonal and metabolic disturbances in PCOS. In addition, the factors conducive to the development of obesity in PCOS women and the effect of obesity treatment on fertility are areas of interest.





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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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Journal Rank: JCR - Q1 (Nutrition and Dietetics) / CiteScore - Q1 (Food Science)

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Nutrients Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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