

Special Issue

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

Message from the Guest Editor

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 a 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.

Guest Editor

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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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