

## Obesity and Reproduction

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### Abstract

Obesity is a disease of excess body fat that is closely associated with insulin resistance. Obesity is the new worldwide epidemic. In the twenty-first century, it becomes a major health problem across the world. According to WHO: Egyptians are the fattest Africans. Hyperinsulinemia and insulin resistance are involved in the underlying mechanisms linking obesity to multiple metabolic abnormalities & alteration in steroidogenesis. Even though no EB consensus obesity may have negative effects on ovarian stimulation parameters: oocyte and embryo quality, fertilization rates, embryo transfer, implantation rates, pregnancy rates and miscarriage rates. Obesity also can impair reproduction in both women and men, leading to infertility in couples trying to conceive, subsequent complications in pregnancy, and adverse effects on their offspring. Clearly there is good data demonstrating that weight loss improves ovulatory function in obese women and improves pregnancy outcomes. To date, however, there is no strong evidence that preconception weight loss in women improves IVF-related pregnancy outcome, and the data are less clear in men. Until recently, the only medication approved for long-term management of obesity has been orlistat. Clinically meaningful weight loss through lifestyle changes (diet and physical activity) may be difficult for some women. Bariatric surgery may offer greater and more sustainable weight loss.



### Biography:

Prof. Dr. Mohamed Salama Gad is a Head of Obstet. and Gynecol. Dept., Faculty of Medicine, Menoufia University, Egypt.

### Speaker Publications:

1. "Effect of diet on the esterase patterns in the hemolymph of the corn earworm and the tobacco budworm (Lepidoptera: Noctuidae)"
2. "Polyclonal antibodies against the recombinantly expressed coat protein of the Citrus psorosis virus"
3. "Production of transgenic tomato plants expressing Cry 2Ab gene for the control of some lepidopterous insects endemic in Egypt"
4. "Role of jasmonic acid and abscisic acid treatments in alleviating the adverse effects of drought stress and regulating trypsin inhibitor production in soybean plant"
5. "Serum leptin concentrations during severe protein-energy malnutrition: correlation with growth parameters and endocrine function"

[3<sup>rd</sup> World congress on Nutrition and Obesity Prevention; Webinar – October 26, 2020.](#)

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