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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:

Mohamed Salama Gad is the Head of Obstetrics and Gynecology Department at Faculty of Medicine, Menoufia University, Egypt. He has successfully published several papers related to the area of Entomology. He is also a faculty of Department of Entomology at the Ain Shams University.

Speaker Publications:

1. Toxoplasmosis and abortion: pro- and anti-inflammatory cytokines gene expression of the host immune cell; Egyptian Journal of Medical Human Genetics 20(1):3 DOI: 10.1186/s43042-019-0006-5

2. Assessment of larvicidal activity of nanoemulsion from Citrus sinensis essential oil on Culex pipiens L. (Diptera: Culicidae); Egyptian Journal of Aquatic Biology and Fisheries 23(3):61-67; DOI: 10.21608/ejabf.2019.35100

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