

عنوان مقاله:

Polycystic ovary syndrome and genetic factors influencing its development: A review article

محل انتشار:

فصلنامه پزشکی شخصی، دوره 6، شماره 23 (سال: 1400)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

Polycystic ovary syndrome (PCOS) is a common infertility disorder, affecting a significant proportion of the global population. This syndrome has been one of the most controversial entities in gynecological endocrinology for many years. Both genes and the environment contribute to PCOS. Obesity, exacerbated by poor dietary choices, and physical inactivity, worsens PCOS in susceptible individuals. PCOS is a complex and heterogeneous disorder characterized by hyperandrogenemia, hyperinsulinemia, insulin resistance, and chronic anovulation. Many candidate genes have been identified to be one of the causes of PCOS. Different studies have been carried out to find the genetic correlation of PCOS. It is essential to carry out such studies that identify the clear cause of PCOS and its genetic association and hormonal disbalance. Currently, PCOS is considered a polygenic trait that might result from the interaction of susceptible and protective genomic variants and environmental factors, during either prenatal or postnatal life.

کلمات کلیدی:

Polycystic Ovary Syndrome, PCOS, Genetics, Environmental

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