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Management of Clomiphene citrate resistant women with PCOD

Polycystic Ovary Syndrome (PCOS) is a heterogeneous disorder in which chronic anovulation is a common feature, despite the presence of multiple microstructures in the ovaries. A growing body of evidence has suggested that serum hyperinsulinemia and as the result hyperandrogenemia contributes to the excess ovarian androgen secretion observed in women with PCOS. Still the standard therapy for anovulatory women with PCOS is administration of Clomiphene Citrate (CC). However, significant proportions of women with PCOS fail to ovulate with the use of standard dosage of CC and are called CC-resistant PCOS. Treatment options including extended clomiphene protocol, clomiphene and dexamethasone combined therapy, insulin-sensitizing agents and/or aromatase inhibitors, as adjuvants to clomiphene citrate and gonadotropins and finally surgical management of PCOD has changed the treatment strategy. Although both standard and novel treatments were addressed in the present review, special attention was paid to the evidence in support of the introduction of glucocorticoids and aromatase inhibitors as well as surgical management of anovulatory women with CC-resistant PCOS.

Biography

Mohammad Ebrahim Parsanezhad has graduated from Tabriz Medical School in 1979 and completed Obstetrics and Gynecology Specialty Board at Shiraz Medical School in 1986. He has also completed 2.5 years of Infertility Fellowship at Gotingen University, Diako Medical Centre, Bremen Germany in 2003. He is currently a Professor and Chair, Infertility and Reproductive Medicine Division, Department of Gynecology & Obstetrics, Shiraz University, Iran. He is the Reviewer of *Fertility & Sterility Journal*, Member of Editorial board in *Middle East Fertility Journal*, Chairman of Educational Planning of Nursing and Midwifery School, Member of Editorial Board of Iranian *Journal of Medical Sciences (IJMS)*, Member of National OB & GYN Board Examination at Ministry of Health and Medical Education. He has published 106 papers in reputed journals.

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