

عنوان مقاله:

Assessing the effect of vitamin D and calcium on the treatment of infertility in women with polycystic ovary syndrome (PCOD): A review article

محل انتشار:

سومین کنگره بین‌المللی تولیدمثل (سال: 1396)

تعداد صفحات اصل مقاله: 1

نویسندگان:

Hadise Safinejad - Department of Midwifery, Kerman Branch, Islamic Azad university, Kerman, Iran

Sholeh Shahinfar - Department of Midwifery, Kerman branch, Islamic Azad university, Kerman, Iran

خلاصه مقاله:

Background: PCOS affects about 10 percent of women in the childbearing age and is one of the most common causes of infertility. Both PCOS and vitamin D deficiency are related to metabolic syndrome and insulin resistance. Hence, the present study was conducted to evaluate the effect of vitamin D and calcium on the successful induction of ovulation in infertile women with PCOS. Methods: Searching for information sources (SID, Science Direct, Iran medex, Google Scholar, SCOPUS, PubMed) was carried out on conducted studies in the past decade. Words of vitamin D, calcium, PCOS, infertility, anovulation, insulin resistance were used as keywords and after removal of repetitive and common articles of databases, 35 articles were obtained. Subsequently, by a closer look at the titles and objects of them, the results of 20 related articles were extracted. Result: In the studies reviewed, the positive effects of calcium and vitamin D supplementation on weight loss, follicle maturation, menstrual regularity, and improvement of hyperandrogenism, in infertile women with PCOS was checked. Conclusion: Given the prevalence of vitamin D deficiency and the possible role of vitamin D and calcium in improvement of ovulation, further studies are necessary to determine the exact duration and dosage of these supplements in PCO patients.

کلمات کلیدی:

Anovulation, Calcium, Infertility, Insulin resistance, PCOS, Vitamin D

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/736669>

