عنوان مقاله:
Vitamin D and VDR gene polymorphism (FokI)(Taq1) in epithelial ovarian cancer in North of Iran

محل انتشار:
سومین کنفرانس بین المللی علوم و مهندسی (سال: 1395)

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خلاصه مقاله:
Introduction: Vitamin D deficiency and vitamin D receptor (VDR) gene polymorphism, FokI, Taq1 are reported to increase the risk of many cancers. Role of vitamin D and its receptor polymorphisms in ovarian cancer has not been clearly defined. Objective: To study the levels of serum vitamin D and occurrence of vitamin D receptor gene polymorphism (FokI, Taq1) in cases of ovarian cancer. Material and methods: FokI, Taq1 genotyping were done by PCR-RFLP technique and vitamin D levels were estimated by chemiluminescence immunoassay. Results: Serum vitamin D levels were significantly (p < 0.01) lower in ovarian cancer cases as compared to controls. The homozygous (TT) and heterozygous (CT) genotype predispose to the development of ovarian cancer in Indian population (OR: 4.37, 90% CI: 1.40-0.44) as compared to the homozygous (CC) genotype. Vitamin D deficiency and VDR gene polymorphism (FokI) act non-synergistically (p value < 0.48). Conclusion: Low blood levels of vitamin D and VDR receptor polymorphism (FokI) might be a risk factor for the development of ovarian cancer. Other novel ligands of vitamin D receptor might be responsible for the nonsynergistic effect

کلمات کلیدی:
VITAMIN D, OVARIAN CANCER, POLYMORPHISM

لینک نتیجه مقاله در بایگان سپیلیکا:
https://www.civilica.com/Paper-ICESCON03-ICESCON03_077.html