

عنوان مقاله:

The Role of Neuregulin 4 Status in Female's Primary Infertility Patients

محل انتشار:

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نویسندگان:

Mustafa Saleam Khalaf - *Medical Laboratory Techniques Department, AL-Rasheed University College, Baghdad, Iraq*

Zeena A. Alsaady - *Department of Chemistry and Biochemistry, College of Medicine, Al-Nahrain University, Baghdad, Iraq*

خلاصه مقاله:

Background: Female's primary infertility (FPI) is females who have not pregnant after one year of sexual intercourse without using methods of birth control. Neuregulin 4 (NRG4) is the inflammatory adipokine hormone produced by brown adipose tissues; it has activator function for Epidermal Growth Factor Receptor (EGFR). Objective of the Study: To know the NRG4 role and function in FPI patients.

Materials and Methods: The present research study was relied on selecting 80 females classified into 40 with Females having primary infertility and 40 fertile females. All female individuals were in the age range of 20-35 years old. For all female individuals measured NRG4 concentration level in serum sample and body mass index (BMI). Results: The present research study showed increased of the serum NRG4 level and BMI in FPI group compared with fertile females group. Statistic value of NRG4 for FPI group was 422.3 ± 18.7 and for control group 240.1 ± 17.8 , while the statistic value of BMI for FPI group was 30.9 ± 1.7 and for control group 22.2 ± 2.5 . Conclusion: The present study explained the NRG4 role that has function as .mechanism of compensate in FPI patients with high BMI

کلمات کلیدی:

(Female's primary infertility (FPI), Body mass index (BMI), Neuregulin 4 (NRG4)

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