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التغيرات الكيميائية الحيوية لسن اليأس

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Abstract : At the age of 45 to 50 years the menstrual cycle usually become irregular, which lead to physiological, biochemicals and anatomical changes followed by psychological and social changes in women life, . this period called menopause. The present research is concerned with the assessment of biochemical changes of Saudi menopausal women during this period of life the major points of this research includes assessment of hoeffilones (FSH, LH and PRL), disaffiliation of lipid profile (CHO, TG, LDL-CHO and HDL-CHO), estimation of glucose level, total protein, albumin, ALP and ACP activities, as well as the levels of minerals (Na⁺, K⁺, Cl⁻, Ca²⁺, p-3 and Mg²) in serum blood and compared these results with the standard biochemical levels of women in premenopausal stage. Moreover, the study was concerned some independent factors (age, weight, height, BMI, pulse and blood pressure) through the two stages of women life mentioned above. The most important results of this study was concentrated in the increases in the level of hormones (FSH, LH and PRL), increases of the levels of (triglyceride, total cholesterol and LDL-cholesterol) while decreases in the levels of lillL-cholesterol, albumin, calcium, high levels of phosphorus mid alkaline phosphates activity with a decrease in acid phosphates activity and no change of other parameter (Na⁺, K⁺, Cl⁻, Mg²⁺, glucose, and" total protein), during the menopausal period compared to premenopausal period, and also an increases in weight and BMI in menopausal women compared to premenopausal group. The data was tabulated and analyzed statistically using student t-test. These results will be used in medical applications and to assess complication of, menopausal women during this period of life