

## **Study of the relationship between serum estrogen level in menopausal women and cognitive functions**

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Study cognitive functions in menopausal women. Study the relationship between estrogen level in menopausal women and cognitive functions. Full history taking including gynecological history. Thorough general medical examination. Complete mental state examination. Serum estradiol level by RIA (using available kits) Neuropsychological tests of memory functioning using: (mini mental state examination). There is negative correlation between duration since menopause and serum estradiol levels, also between women age and scores of cognitive tests. There is positive correlation between serum estradiol levels and cognitive function tests. Physiological menopause (estrogen deficiency) has a negative effect selectively on short term verbal memory.