

Study of the effect of renal impairment on cognitive function in elderly patients

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A case control study was conducted to assess the relationship between cognitive impairment and renal impairment in elderly. 80 elderly subjects were included in that study selected as two groups; 40 elderly as control group and 40 elderly patients who have been diagnosed as renal impairment patients. Neuropsychological assessment using 7 tests from neuropsychological battery of Consortium to Establish a Registry for Alzheimer's disease "CERAD" was done for each subject. The results of the study showed statistical significant decrease in all cognitive tests in cases versus controls. There was no significance conclusion between level of serum creatinine and variable aspects of CERAD. The MMSE was not highly affected in cases although they had poor performance in other tests, this may suggest that MMSE alone is not suitable to assess metabolic encephalopathy.