

## **Study of cognitive impairment among elderly with heart failure**

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The study aimed to assess the relationship between congestive heart failure and cognitive function in elderly. A case-control study was performed on 100 elderly 60 years and older, selected as two groups. For the first group (control group) 40 healthy elderly. For the second group (case group) 60 elderly who had been diagnosed as congestive heart failure patients. The sample was subjected to geriatric depression scale, functional assessment using the activities and instrumental activities of daily living and consortium to establish a registry for Alzheimer's disease. The study showed that elderly patients with congestive heart failure have impaired cognitive function compared to control elderly subjects. The results of cognitive performance tests are directly related to ejection fraction, educational level and smoking. But these results are inversely related to age, depression and severity of heart failure. The study showed that depression was common among congestive heart failure patients than normal subjects. The study also showed that female subjects in both control and case groups have less scores in cognitive performance tests than males. Also, the study showed that cognitive dysfunction in patients with congestive heart failure was associated with disabilities in the activities and instrumental activities of daily living.