ABSTRACT

**Background:** Memory and executive dysfunction appear to be the most frequent cognitive dysfunction in MS, as 66% of patients present with memory impairment often even at early stages of disease. It was noted that 17% of patients with MS had difficulties across a range of executive abilities. This study aimed to evaluate the pattern of memory and executive functions impairment in MS patients and its relationship to pathological changes obtained by 3.0 Tesla MRI. **Patients and Methods:** It was included 30 MS patients in the age ranged of 16-40 years old and 10 age, sex and educational level matched healthy control subjects.