

Study of related and coexisted disease with familial Mediterranean fever

Abstract

Introduction :

Familial Mediterranean Fever is an autosomal recessive disease that is characterised by recurrent crises of fever and serosal inflammation. FMF may coexist with various systemic inflammatory diseases including vasculitides, spondyloarthritis, multiple sclerosis, and inflammatory bowel disease. In this study, we want to examine coexisting disease with familial Mediterranean fever in this area.

Material and Method :

This is a descriptive study. In this study, 300 patients with FMF according to Tel Hashomer criteria were examined. Finally, 41 patients that had associated disease along with FMF entered the study and information of all patients were entered into the check lists which had been designed previously. Data analysis was performed using SPSS v16 software and by using descriptive statistics were expressed in the form of charts and tables.

Results :

In this study, the mean age of patients was 21.24 years, and 21 patients were female. The Coexisted diseases with FMF was classified based on systems and organs involvement and results showed that the most association of FMF is with gastrointestinal diseases in 13 patients (%31.7) and then rheumatic diseases in 7 patients (%17.7). Autoinflammatory syndromes in 6 patients, neurological disease in 4 patients and cardiac involvement was found in 2 patients. PUD among the gastrointestinal diseases, JIA in Rheumatic Diseases, Seizure in neurological diseases and PFAPA in autoinflammatory diseases were the most frequent diseases.

Conclusion :

The results showed that familial Mediterranean fever associated with gastrointestinal, rheumatologic and neurological diseases and other autoinflammatory syndromes. Mutations of M694V and E148Q is the most frequent mutations in this patients. Also in this study, Cholelithiasis were found in association with FMF that there is not been reported in previous studies, so far.

Keywords : familial Mediterranean fever, MEFV gene, autoinflammatory syndromes