inflammatory back pain (IBP) obtained from rheumatological system questionnaire in the patients' charts were recorded. The x-ray and MR images of sacroiliac joint registered in the PACS system were evaluated by a Rheumatologist. Patients with inflammatory low back pain and sacroiliitis detected by X-ray or MRI were included in the FMF with axial spondylarthritids (FMF-SPA) group and others to FMF group. The frequency of MEVF gene mutations were compared between two groups.

**Results:** The frequency of M694V, M680I, V726A, E148Q and R202Q were 82.4%, 19.6%, 16.7%, 10.8% and 16.7% respectively in FMF group and 78.6%, 21.4%, 14.3%, 21.4% and 28.6% respectively in FMF-AS group. There was no significant difference between groups (p=0.716, p=0.296 respectively). The frequency of M694V homozygotes and heterozygotes mutations were 27.5% and 21.6% respectively in FMF group and 35.7% and 7.1% respectively in FMF-SPA group and difference between groups was not significant (p=0.537, p=0.296 respectively).