**Received date: 15 November 2021; Accepted date: 18 November, 2021; Published date: 09 May, 2022**

# Familial Clustering of Juvenile Psoriatic Arthritis associated with a hemizygous FOXP3 mutation

**Raed Alzyoud**
Queen Rania Children's Hospital, Jordan

**Purpose of Review:** We describe the clinical and genetic findings in four patients from a single family who presented withrefractory psoriatic arthritis and were hemizygous in the forkhead box protein 3 (FOXP3) gene (c.1222G>A).

**Recent Findings:** We report four siblings with hemizygous mutation in the FOXP3 gene (c.1222G>A) who presented with type 1 diabetes mellitus and psoriatic arthritis poorly responsive to treatment. Our findings expand the phenotype spectrum of F OXP3 mutations.

**Summary:** Immune dysregulation, polyendocrinopathy, and enteropathy, X-linked (IPEX) syndrome is a rare disorder caused by mutations in FOXP3 gene, which lead to early onset of constellation of autoimmune manifestations. This report highlights the influence of immune dysregulation in juvenile arthritis.

raedalzyoud@gmail.com