

Mevalonate kinase deficiency (MKD) is a rare genetic autoinflammatory disorder.

Autoinflammatory syndromes are a group of disorders characterized by seemingly random or unprovoked episodes of inflammation generally due to an abnormality of the innate immune system. They are not the same as autoimmune disorders, in which the adaptive immune system malfunctions and mistakenly attacks healthy tissue. Mevalonate kinase deficiency affects males and females in equal numbers. More than 300 individuals worldwide are known to have the disorder, but the true number is likely greater. Most people with the disorder are individuals of western European heritage with approximately 60% occurring in Dutch or French individuals. The exact incidence and prevalence is unknown and it is likely that the disorder goes misdiagnosed or undiagnosed. This makes it difficult to determine the exact incidence or prevalence of mevalonate kinase deficiency in the general population.