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**REPORT AND ASSESSMENT OF 50 CASES OF HYPOKALEMIC
PERIODIC PARALYSIS THAT ADMITED AT ARDABIL ALAVI
HOSPITAL FROM 1998 TO 2003**

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Abstract

Introduction: *Hypokalemic periodic paralysis is the best known form of periodic paralysis and characterized by paralytic crisis and muscular weakness that associated with low serum potassium Level that reversed the paralysis by the administration of potassium. The usual pattern of inheritance is autosomal dominant with rare prevalence and with high penetrance in men. This disease may have its onset at any time from early childhood to third decade of life. There are proper diagnosis is important for well prevention and well treatment.*

This study doing to get basic information about frequency and age and sex prevalence of this disease and other,s characteristic and assessmet the association of this disease with Hyper thyroidism

MATERIAL AND METHODS: *This study done by cross sectional study method and frequency of disease and other characteristics of hypokalemic periodic paralysis has*

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been measured in a five year period of time in patients that admitted in urgent or neurology ward at Ardabil Alavi Hospital From 1998 to 2003

RESULTS: *A total patients were 50 cases that 46 cases were men and 4 cases were women and 38 cases (76%) were in third and fourth decade of life.*

Hyperthyroid disease was observed only in Four cases. In 11 cases intake of high carbohydrate and in 10 cases administration of steroid caused onset of attack.

There were observed quadriplegia in 80% of patients and paraplegia in 20% of patients

Discussion: *According to the frequency , sex and age distribution of disease, it seems that hypokalemic periodic paralysis has a various pattern with high prevalence specially in males and high in middle decade of life in this area or may be all over the country.*

so it is necessary to more studies and pay more attention as probable differential diagnosis of paralytic features.

In this study was observed that association between hyperthyroidism and Hypokalemic periodic paralysis is high , there fore, the careful treatment and diagnosis of hyperthyroidism is necessary because treatment of the this disease prevnts their recurrence .

key words: *potassium, Hypokalemic periodic paralysis*