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The Relationship Between Migraine Headache & Temperament and Character Pattern of Personality in Migraine Patients

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Introduction:

Among the causes of headache, migraine headache are most common. Migraine is most common referrals to neurology clinics in all human societies. Today it is confirmed that many of chronic headache is associated with psychological and behavioral problems. Personality is defined as the capacity of individual protest :and temperament & character are subsets of personality. TCI (temperament & character Inventory) is a questionnaire that evaluate these dimensions.

Objectives:

To evaluate relationship between temperament and character pattern with migraine

Aims:

To provide information for psychiatrists , neurologists and other clinicians to aware of this relationship

Methods:

This is a prospective case control study which was done on 63 migraine patients as case group and 63 controls. TCI was used for evaluation.

Results:

In case group the average score in patients were: Novelty seeking 41.51, mean Harm avoidance was 52.16 and reward dependence 62.14. The average score of Self-directedness was 53.14, cooperativeness 78.45, Preseveraence 63.21 and Self-transcendence was 60.95.

In control group the average score in patients were: Novelty seeking 44.77, mean Harm avoidance was 49.28 and reward dependence 62.42. The average score of Self-directedness was 54.81, Harm avoidance 73.92 , Preseverence 54.09 and Self-transcendence was 62.42.

Harm avoidance and cooperativeness had a significant difference between groups ($P_{ha}=0/048$, $P_{co}=0/043$)

Conclusions:

Results showed a significant difference between groups in HA and CO. We can conclude that migraine patients had a higher score in HA and CO subsets. HA is related to serotonergic system and this results presents the role of serotonin in migraine pathology, we can understand the role of serotonin in the incidence of HA in migraine patients.