

THE RELATIONSHIP BETWEEN TEMPERAMENT AND CHARACTER PATTERN WITH MIGRAINE IN PATIENTS WITH MIGRAINE HEADACHE AND CONTROL GROUP

*M. Sadramely*¹, *M. Nilipour*², *F. Najj*³

¹Isfahan Medical University, ²Shariati Hospital, ³Isfahan University of Medical Sciences, Isfahan, Iran

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. The relationship between temperament and migraine were also considered.

Objectives: To evaluate The relationship between temperament and character pattern with migraine

Aims: To provide information for psychiatrists, neurologists and other clinician 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 Selfdirectedness was 53.14, cooperativeness 78.45, Preseverance 63.21 and Selftranscendence 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 Selfdirectedness was 54.81, Harm avoidance 73.92, Preseverance 54.09 and Selftranscendence 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, This shows the role of serotonin in the incidence of HA in migraine patients.