Editorial

How cognition controls health and disease

Recent neuroscientific evidences has shown that the mental state significantly influence the brain and body function in various levels. There is evidence that disturbs neural interactions producing patterns of temporal disorganization, decreased functional connectivity and global distribution of information may influence the mind.

On the other hand there is evidence that deficits in functional connectivity on addition to chemical neurotransmission distortion and distribution of information underlie specific perceptual and cognitive states. Therefore disturbances in neural synchronization and coherence likely presence a basis for discrete mental states that through differences between them enable recognition and awareness of the external and especially internal world of the body through such process specific observers may define reability and create observer–specific neurogeometry of the space and time. The process of disturbed neural integration leading to increase functional segregation among groups of neuron which often associated with symmetry- breaking and the disability of the system to control the adaptation states of the body with the environment.

Together recent findings suggest that cognitive conflict is provided by discrimination among brain function and efferent, afferent information processes. Therefore it suggests a healthy brain, and therefore a healthy mind means a healthy and resistant body function.

Gholamhossein Riazi (PhD)
Neurobiochemistry. Lab, Institute of Biochemistry and Biophysics, University of Tehran