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Disregard to the left visual space and Neuroticism in the anamnesis of the Cerebral Stroke survivor with unilateral visual neglect and moderate depression

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Premorbid personality traits and cognitive abilities are suggested to predict the changes in personality and cognition after the cerebral ischemic stroke in stroke survivors. However, the data are limited to the relatively small number of studies. To extend the data in this direction, we report on the pre-and post-stroke cognitive abilities and personality traits of the patient, male, 65, right-hander, who survived after the cerebral ischemic stroke to the frontal and temporal regions in the left brain hemisphere. Patient displayed right hemiparesis, motor aphasia and partial inability to understand the verbal instructions. Bell test (BT) and the task on copying and drawing the clock were administered to assess the post stroke unilateral visual neglect (UVN). Omissions of the details in the left part of the clock were registered. Patient failed to cancel some figures in the left space in the BT. Patient was diagnosed as having UVN. Caregiver was asked to describe the behavior and personality traits of the patient 2-3 months before the stroke and to fulfill the Beck depression inventory (BDI) to assess the mood of the patient for throughout the year after the stroke. According

to caregiver, two months before the cerebral stroke patient displayed trouble in paying attention to the left side of the visual space. In particular, when driving a car, he disregarded the obstacles in left part of the road and fell into car accident two times. BDI scores (21) pointed to the moderate depression after the stroke. Caregiver witnessed increased neuroticism of the patient 3 months before the ischemic insult. We suggest association between the premorbid incidents of the disregard to the left space and after-stroke UVN. Premorbid neuroticism is suggested to associate to the after-stroke depression.

Speaker Biography

Makashvili M is the professor of Ilia University, Tbilisi, Georgia. He completed his PhD at the I.Beritashvili Institute of Physiology, Tbilisi, Georgia. He is an author of 15 scientific articles in the field of neuropsychology and neurophysiology, cited 14 times. Kotetishvili B is a doctor of medicine, leading neurologist at the Psycho-Neurological clinic, Tbilisi, Georgia. Khachidze I is a doctor of sciences, physiologist at the I.Beritashvili Center of Experimental Biomedicine. Gubianuri T is a MB of psychology at the Ilia State University, Tbilisi, Georgia. Kotetishvili A occupies the position of the intern at the Psycho-Neurological clinic, Tbilisi, Georgia.

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