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Spatial reasoning skills in the male brain: The risk of losing it

The Schizophrenia Spectrum has the characteristic of to cause impairments in spatial reasoning in the brain. The spatial reasoning is developed more strongly in the first years of life and throughout life for healthy persons and is breached when the schizophrenia spectrum is installed. This abnormality occurs in the encephalon because important cognitive neuronal losses happens over the years, causing even, behavioral changes. The suffering with hallucinations and depression is worst if the person is not treated and a multidisciplinary treatment gives better results. A cognitive comparison between a group of patients with schizophrenia spectrum in treatment and a group of healthy volunteers is the aim of this study. A survey was conducted by applying of a psychological test of objective nature, in two groups of volunteers, being a group composed of 9 patients with schizophrenia spectrum, organized, owners of their mental faculties and treated; and the other group of 16 healthy persons external to the hospital environment. The mean age is 40.22 and 36.87 years respectively. All tests were applied and corrected by a qualified and accredited professional in accordance with the rules in force in the country. In

Figure 1, it is possible to visualize the differentiation about performances between the groups with 95.6% confidence interval and p-value between 0.5513 and 0.5522, not discarding the hypothesis of equality between groups, in despite of the difference between the means being 21.44 and 31.56 respectively. It was preoccupant result because a better result was expected about the healthy volunteers. Would be the growing use of technology? It is easier for the brain to use shortest way and not exercise the thought. All things, all views are ready for the direct use. Is not necessary to think again and it is very good to save time, but it has his price to development of reasoning in the brain and its performance.

Speaker Biography

Bernadete Marcia Voichcoski is MSc in Biomedical Engineering at Neurological Area. She is MBA in Information and Communication Management, undergraduate at Electrical Engineering and Electronic Technician and has worked nineteen years with electronic systems at industry. She is invited professor at Federal Technological University of Parana, Curitiba, Brazil, where teaches about Security of the Intellectual Capital for MBA Graduate Course and teaches about Processes of the Manufacturing of the Electronical Systems for undergraduate course Electronic Engineering. She studies brain, neuroscience and neurological system since 2002 and had published six papers in six Congress.

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