- მზია ჟვანიას პუბლიკაციების ვრცელი სია

Mzia G. Zhvania, Nadezhda J. Japaridze, Mariam G. Qsovreli, Vera G. Okuneva, Arkadi G. Surmava, Tamar G. Lordkipanidze**.** Electron Microscopic Morphometry of Isolated Rat Brain Porosome Complex. **Neuroscience Research, 2015 (Accepted for PUblicastion).**

Mzia Zhvania, Nadezhda Japaridze, Lela Chilachava, Lia Gelazonia, Nino Pochkhidze**.** Toluene chronic exposure affects hippocampal structure in adolescents and adults**. Neuropatholofy of Drug Addictions and Substance Misuse. Elsevier. 2015. Accepted fpr Publication.**

Mzia G. Zhvania, Mariam Ksovreli, Nadezhda J. Japaridze,Tamar G. Lordkipanidze. Ultrastructural changes to rat hippocampus in pentylenetetrazol- and kainic acid-induced status epilepticus: A study using electron microscopy. **Micron 74 (2015)** 22–29.

Mzia G. Zhvania, Tamar Z. Bikashvili, Nadezhda J. Japaridze, Ilia I. Lazrishvili, Mariam Ksovreli. White noise and neuronal porosome complex: transmission electron microscopic study. **DISCOVERIES 2014, Jul-Sep, 2(3): e25.** ***DOI:*** *10.15190/d.2014.17.*

Mzia G. Zhvania, Nadezhda J, Japaridze, Lela R. Chilachava, Lia K. Gelazonia, Tamar Z. Bikashvili, Manana G. Dashniani, Maia Burjanadze**. Toluene: Chemical Properties, Applications and Toxicology. Nova Science Publishers, Inc., Marco C. Palminteri 2013. p. 53-92.**

Mzia G. Zhvania, Nadezhda J. Japaridze, Mariam G, Qsovreli, Vera G. Okuneva, Arkadi G. Surmava, Tamar G. Lordkipanidze. **The Neuronal Porosome Complex in Mammalian Brain: A Study Using Electron Microscopy. Chapter: NanoCellBiology: Multimodal Imaging in Biology and Medicine. Editors: Jena B.P., Taatjes D.J.** ***Pan Stanford Publishing Pte. Ltd. (Cover: Neuronal Porosome Complex) (2013 September), 45-55.***

Mzia Zhvania, Nadezhda Japaridze, Mariam Ksovreli – Effect of different forms of hypokinezia on the ultrastructure of limbic, neocortical and extrapyramidal structures of the rat brain. E;ectron Microscopic Study. **Springer Proceedings in Physics (2014) 154, 221-226.**

Kotaria N, Kiladze M, ***Zhvania MG***, Japaridze NJ, Bikashvili T, Solomonia RO, hvania M, Bolkvadze T. The protective effect of Myo-inositol on hippocampal cell loss and structural alterations in neurons and synapses triggered by kainic acid-induced status epilepticus, **Cellular & Molecular Neurobiol. (2013), 33, 5, 659-671.**

Lordkipanidze T, Bikashvili T, Japaridze N, ***Zhvania M.*** The Effect of kainic acid on hippocampal dendritic spine motility at the early and late stages of development, **Micron (2013),** 49, 28-32.

Japaridze NJ, Okuneva VG, Qsovreli MG, Surmava AG, Lordkipanidze TG, Kiladze MT, ***Zhvania MG.*** Hypokinetic stress and neuronal porosome complex in the rat brain: the electron microscopic study. **Micron, 2012, 43, 9, 948-954.**

Okuneva VG, Dzhaparidze ND, Kotaria NT**,** ***Zhvaniia MG.*** Neuronal porosome in the rat and cat brain**. Tsitologiia (2012), 54, 4, 324-328.**

M.G. Zhvania, N.J. Japaridze, M. Ksovreli, M. Kiladze, V. Okuneva, A. Surmava, T. Lordkipanidze, N. Kotaria. Effect of chronic hypokinetic stress on the structure of axo-dendritic

synapses in the central nucleus of the amygdala of the rat: an electron microscopic investigation. **Journal of Biological Physics and Chemistry (2012), 12, 4, 148-152.**

V.G. Okuneva, N.J. Japaridze, N.T. Kotaria, and ***M.G. Zhvania.*** Neuronal Porosome in the Rat and Cat Brain**. Cell and Tissue Biology (2012), 6, 1, 69-72.**

Zhvania MG, Chilachava LR, Japaridze NJ, Gelazonia LK, Lordkipanidze TG. Immediate and persisting effect of toluene chronic exposure on hippocampal cell loss in adolescent and adult rats. **Brain Res. Bull. 2012, 87, 2, 187-192**

T. Z. Bikashvili, L. R., Chilachava, L. K. Gelazonia, N. J. Japaridze, **M. G. Zhvania,** T. G. Lordkipanidze and Okuneva V. G., Effectof Chronic Inhalation of Toluene on Behavior of Rats of Various Age Groups in MultiBranched Maze, **Bulletin of Experimental Biology and Medicine**, **2012, 152, 5, 587-589** (Article in Russian and English)

Cho WJ, Lee JS, Zhang L, Ren G, Shin L, Manke CW, Potoff J, Kotaria N**, *Zhvania MG,*** Jena BP. Membrane-directed molecular assembly of the neuronal SNARE complex**. J. Cell Mol Med. 2011,15, 1 13-17.**

Kotariya NT, Bikashvili TZ, ***Zhvaniya MG***, Chkhikvishvili TsG. Ultrastructure of hippocampal field CA1 in rats after status epilepticus induced by systemic administration of kainic acid. **Neurosci Behav Physiol. 2010, 40, 2, 127-130. doi: 10.1007/s11055-009-9233-4.** Epub 2009 Dec 22.

Kunchulia M, Bolkvadze T, ***Zhvania M,*** Kotaria N, Kladze M. Effect of oxytocin on behavior and memory in rats subjected to chronic restraint stress. **Georgian Medical News,. 2010, 187, 56-60.**

Lazrishvili IL, ***Zhvaniia MG.*** Porosome: a new organelle and the universal secretion machine in cells. **Tsitologiia**, **2010, 52, 7, 534-6**. Review. Russian

Жвания МГ, Джапаридзе НД, Болквадзе Т, Бикашвили ТЗ. Количественный анализ глиоцитов в поле СА1 гиппокампа крыс через 14 дней после киндлинга гиппокампа. Морфология 2009, 23, 178-13

Zhvania MG, Japaridze N, Okuneva V, L. Chilachava, Surmava A. The Aotmic Force Microscopic Study of Hippocampal Neuron. Proceedings of International Conference "**Physical Methods in Medical Research", 2009.**

Okuneva V, Gelazonia L, Bikashvili T, Japaridze N, ***Zhvania M.*** Effect of Nadolo injected prior to CRH on stress-induced plasma corticosterone level in rat. **Georgian Med News**. **2009, 175, 71-73.**

Okuneva V**, *Zhvania M*,** Japaridze N, Gelazonia L, Lordkipanidze T. Stress-system: cortictropin-releasing hormone and catecholamines (Review**) Georgian Med News 2009, 172-173, 65-69.**

Zhvania MG, Bolqvadze T, Solomonia RO, Kuchiashvili N, Japaridze NJ. Effect of acoustic stimulation on GABAergic neurons in limbic structures of Krushinskii-Molodkina rats. **Bull Exp Biol Med. 2008, 145, 4,398-400**.

Bolkvadze TA, Japaridze ND, ***Zhvania MG,*** Bikashvili TZ, Chilachava LR. Kindling-induced hippocampal cell death in rats. **Neurosci Behav Physiol. 2008, 38, 4, 359 –362. doi: 10.1007/s11055-008-0050-y.**

Bolkvadze TA, Dzhaparidze NJ, Zhvania MG,Bikashvili TZ, Chilachava LR. Hippocampal Cell Loss in Rats as a Result of Kindling **"Morfologiia", 2007,** 131, 2, 49-52.

Solomonia R, Nozadze M, Kuchiashvili N, Bolkvadze T, Kiladze M, ***Zhvania M,*** Kigyradze T, Pkhakadze V. Effect of myo-inositol on convulsions induced by pentylenetetrazole and kainic acid in rats. **Bull Exp Biol Med. 2007, 43, 1, 58-60**.

Zhvaniia MG, Solomoniia RO, Bikashvili TZ, Kotariia NT, Chkhikvishvili TsG, Kiladze MT, Nozadze MB, Dzhaparidze ND. The influence of myo-inositol on the ultrastructure of hippocampal CA1 area in kainate treated rats. **Tsitologiia. 2007**, 49, 11, 939-43. (Russian, English)

Ochigava I, Kalandarishvili L, ***Zhvania M.*** Immunological and central nervous system changes in mice suffering from Staphyloccocus aureus and treated with Saccharomyces cerevisiae var. vini living cells. **Folia Microbiol (Praha), 2006, 51, 6. 659-63.**

Zhvaniya MG, Bolkvadze TN, Dzhaparidze ND, Kotariya NT, Chkhikvishvili Ts. Effect of acoustic stimulation on cell composition of auditory brain structures in Krushinskii-Molodkina rats. **Bull Exp Biol Med. 2006, 142, 4, 419-21**. English, Russian.

Bolkvadze T, Dzhaparidze ND, ***Zhvaniya MG,*** *Kotariya NT, Tsitsishvili ASh. Ce*llular composition of the piriform cortex of the rat brain in experimental epilepsy. ***Neurosci Behav Physiol. 2006, 36, 3, 271-274***

Zhvaniia MG, Lazrishvili IL. Discovery of a new cellular structure—porosome. **Tsitologiia. 2005, 47, 1, 23-27**.

Zhvaniya MG, Bolkvadze TA, Dzhaparidze ND, Solomoniya RO, Kuchiashvili N. Effect of kindling on GABAergic neurons of the hippocampus and pyriform cortex. **Bull Exp Biol Med. 2005, 140, 1, 48-50.**

Zhvaniia MG, Dzhaparidze ND, Bolkvadze TA. Characteristics of structural organization of interneurons in CA 3 region and mossy fibers of hippocampus. **Morfologiia 2005,127, 1, 78-83. Review. Russian.**

Bolkvadse T, Dzhaparidze ND, ***Zhvaniia MG,*** Kotaria NT, Tsitsishvili ASh. Cellular composition of the rat piriform cortex in experimental epilepsy. **Morflogiia 2005,**127, 1, 14-17.

Zhvania MG, Lazrishvili I, Bikashvili T, Jena B. Structure, isolation, composition and reconstitution of the neuronal fusion pore**. Cell Biol. Intern. 2004, 28, 1, 699-708.**

Zhvaniia MG. Effect of hypokinesia on ultrastructure of the rat brain neocortex. **Bull Eksp Biol Med. 1998, 125, 3, 279-281. Russian**

Zhvaniya MG, Kostenko NA. Structure of higher sections of the motor system of the rat brain after various forms of hypokinesia. **Neurosci Behav Physiol. 1998, 28, 3, 312-8.**

Zhvaniia MG, Kostenko NA. The structure of the higher sections of the motor system in the rat brain after different forms of hypokinezia**. Morphologiia, 1997, 111, 1, 25-31.**

Zhvaniya MG, Kostenko NA. Structure of the motor cortex of the brain of the hypokinesic rat. **Neurosci Behav Physiol. 1996, 26, 3, 237-40.**

Zhvaniya MG, Kakabadze IM. Ultrastructure of telencephalic myelinated fibers of the hypokientic rats. Neurosci Behav Physiol. 1996, 26, 3, 201-206

Zhvaniia MG. The ultrastructural reorganizations in the formations of the rat endbrain in decreased motor activity not evoking stress. Morfologiia. **1996, 109, 3, 10-13.**

Zhvaniia MG, Kostenko NA. The structure of the motor cortex in the rat in hypokinesia. **Morfologiia, 1995, 108, 1, 13-16.**

Zhvaniia MG, Kakabadze IM. The Ultrastructure of the capillary area in the formations of the rat brain in hypokinesia. **Morfologiia, 1994, 107, 7-12, 47-53.**

Zhvaniia MG, Kakabadze IM. The ultrastructure of the myelinated fibers of the rat endbrain in hypokinesia. **Morfologiia 1994, 106, 4-6, 46-55.**

Zhvaniia MG. An electron microscopic study of the quantitative characteristics of the neuronal and synaptic architectonics of the central and lateral nuclei of the amygdaloid body in the rat brain]. **Tsitologiia. 1994, 36, 2, 161-168.**

Zhvaniia MG, Tobolskaia MM. The ultrastructure of the emotiogenic structures of the rat brain in a neurosis-like state acquired on a background of hypokinesia. **Zh Vyssh Nerv Deiat Im I P Pavlova. 1993, 43, 1, 165-171.**

Zhvaniia MG, Bliadze MG. Effect of hypokinesiz on the ultrastructure of emotion-controlling structures in the rat brain. **Arkh Anat Gistol Embriol. 1990, 98, 1, 27-34.**

Zhvaniia MG. Effect of social isolation on the ultrastructure of the dog brain. **Arkh Anat Gistol Embriol. 1989, 96, 4, 10-17**. Russia

Zhvaniia MG. Connections between the posterolateral nucleus of the thalamus and the parietal and occipital areas of the cerebral hemispheres in the cat. **Arkh Anat Gistol Embriol. 1985, 88, 4, 20-24.** Russian

Zhvaniia MG. Distribution of the fiber endings running from the superior colliculi of the tectum mesencephali into the visual projection zone (field 17) of the cat cerebrum. **Arkh Anat Gistol Embriol. 1981, 81, 10, 16-20.** Russian.

Zhvaniia MG. Distribution of interhemispheric and interhemispheric afferent fibers of the parietal association area of the cat cerebrum. **Arkh Anat Gistol Embriol. 1981, 80, 6, 11-17**. Russian.

Zhvaniya MG, Bliadze MG. Influence of hypokinesia on the ultrastructure of the emotional structures of the rat cerebrum. **Neurosci Behav Physiol. 1991, 21, 1, 59-64.**