

XI. LIST OF THESES DEVOTED TO MECHANISMS AND RESULTS OF CLINICAL APPLICATIONS OF TRANSCRANIAL ELECTRIC STIMULATION

PhD THESES

1. *Katsnelson YA.* S transcranial electroanalgesia as a part of anesthesia care and means of pain maintenance (development of method and clinical trials). 1985. Leningrad State Pavlov Medical University, Russian Academy of Sciences, All-Union Research Institute of Pulmonology, Leningrad.
2. *Grinchenko A. S.* Combined electroanalgesia as a means to enhance body defense system during surgery, and as a part of anesthesia care. 1986. State Medical Refresher Institute, Leningrad.
3. *Krupitski E. M.* Pharmacological and non-pharmacological approaches to influence on some mechanisms of alcoholism pathogenesis. 1987. the research institute of experimental medicine, Leningrad District Narcological Dispensary, Leningrad.
4. *Horohordin N. E.* Changes in pulmonary fluid volumes and their role in circulatory and gas exchange failures in patients after lung surgery. 1988. All-Union Research Institute of Pulmonology, Leningrad.
5. *Pavlov V. A.* Impact of transcranial electric stimulation on opioid systems and course of heart attack. 1989. N. V. Sklifosovsky Research Institute of Medical Ambulance, Moscow.
6. *Fan A. B.* Transcranial electric stimulation as a part of anesthesia care: activation of antinociceptive system influences hemodynamics and its reflexregulation (research clinical trial). 1990. Leningrad State Pavlov Medical University, Russian Academy of Sciences, All-Union Research Institute of Pulmonology, Leningrad.
7. *Tsvetkov V. A.* Changes of some circulatory dimensions in the lesser circuits of sympathoadrenal and pituitary-adrenal axis after surgical treatment of pulmonary diseases by using different types of anesthesia. 1990. District Hospital, Kostroma.
8. *Kiryanova T. D.* Transcranial electroanalgesia in treatment of pain syndromes of maxillofacial area. 1992. Saint-Petersburg State Pavlov Medical University, Saint-Petersburg.
9. *Serdobintsev M. S.* Complex postoperative analgesia by using transcranial electroanalgesia in surgical treatment of tuberculosis of big joints. 1993. Saint-Petersburg Research Institute of Phthisiopulmonology, Saint-Petersburg. 387

10. *Rychkova S. V.* Comparative analysis of treatment effectiveness in children with gastroduodenal diseases by using transcranial electric stimulation and dalargin. 1993. I. P. Pavlov Institute of Physiology, Russian Academy of Sciences, Medical Academy of Postgraduate Education, Saint-Petersburg.
11. *Savchenko A. B.* Central analgetic and peripheral effects of transcranial electric stimulation. 1994. I. P. Pavlov Institute of Physiology, Russian Academy of Sciences, Saint-Petersburg.
12. *Rubtsovenko A. V.* Immunotropic effects of transcranial electric stimulation. 1996. Kuban State Medical Academy, Krasnodar.
13. *Burakov A. M.* Pharmacological and non-pharmacological approaches to treatment of affective disorders in patients with alcoholism during remission. 1996. Leningrad District Narcological Dispensary, Saint-Petersburg.
14. *Legeza D. V.* Transcranial electric stimulation in anesthesia of neurosurgery (research and clinical trial). 1997. I. P. Pavlov Institute of Physiology, Russian Academy of Sciences, A. L. Polenov Neurosurgical Institute, Saint-Petersburg.
15. *Vasenev E. E.* Transcranial electric stimulation in complextherapy of stomalgias. 1997. Volgograd Medical Academy, Volgograd.
16. *Sysoev A. B.* Regulation of sexual function in replacement gilts by using transcranial electric stimulation. 1998. Kursk I. I. Ivanov Agricultural Academy, Kursk.
17. *Kovalev M. G.* Electroanalgesia in geriatric anesthesiology. 1999. pavlov institute of physiology, Russian Academy of Sciences, State Research Institute of Pulmonology, Saint-Petersburg.
18. *Popov A. S.* Comparative analysis of taurine and transcranial electric stimulation on cardiohemodynamics during intraoperative period in patients with cardio-pulmonary disorders. 1999. Volgograd Medical Academy, Volgograd.
19. *Udalov V. S.* Choice of monitoring method for comparative analysis of hemodynamics during pulmonary, abdominal as well as great vessel surgery. 2000. State Research Institute of Pulmonology, Saint-Petersburg.
20. *Besedin A. V.* Use of transcranial electric stimulation in treatment of calves with dyspepsia. 2000. Kursk I. I. Ivanov Agricultural Academy, Kursk.
21. *Zhade S. A.* Transcranial electric stimulation of brain opioidergic structures in patients with vertebragenous pathology of peripheral nervous system. 2001. Kuban State Medical Academy, Krasnodar.
22. *Pupyshev A. G.* Use of transcranial electric stimulation in labor pain relief. 2002. Volgograd Medical Academy, Volgograd.
23. *Vasilets V. M.* Impact of working-environment factors on development of professional and industry-associated diseases in ship fitters and chippermen at the center of nuclear-powered shipbuilding. 2002. The Research Institute of Industrial and Naval Medicine, Saint-Petersburg.388

24. *Gonchar M. A.* Combined use of transcranial electric stimulation and antidepressants in therapy of migraine (research and clinical trials). 2002. Saint-Petersburg State Pavlov Medical University, Saint-Petersburg.
25. *Donskoy A. G.* Postoperative anesthesia care and pain syndrome basing on psychological condition of patients. 2002. Saint-Petersburg State Pavlov Medical University, Saint-Petersburg.
26. *Gazeeva I. V.* Improvement of film projection by optimizing picture flicker rate. 2002. Saint-Petersburg State University of Cinema and Television, Saint-Petersburg.
27. *Bogdanova Yu. A.* Immunomodulating effects of transcranial electric stimulation in patients with secondary immunodeficiency. 2003. Kuban State Medical Academy, Krasnodar.
28. *Govsha Yu. A.* Dependency of cardiac rhythm regulation on sensory influxes with different modalities in human. 2003. Tambov State G. R. Derzhavin University, Tambov.
29. *Chudanov S. V.* Clinico-pathogenetic approach to hormone-free therapy of neurovegetative and psychosomatic disorders during peri- and postmenopause. 2003. Saint-Petersburg Medical Academy of Postgraduate Education, Saint-Petersburg.
30. *Barinova A. N.* Pathogenetic features of acne vulgaris associated with state of vegetative nervous system as well as immune status. 2003. Saint-Petersburg Medical Academy of Postgraduate Education, Saint-Petersburg.
31. *Trushin V. B.* Autonomic dysfunction in pathogenesis and clinical course of nasal hemorrhages. 2004. Rostov State Medical University, Rostov on Don.
32. *Kizilov S.A.* Influence of transcranial electric stimulation on morphofunctional stomach status in swines. 2004. Kursk I. I. Ivanov Agricultural Academy, Kursk.
33. *Miroshnikova V. V.* Transcranial electric stimulation in complextherapy of chronic diurnal headache. 2004. Volgograd State Medical University, Volgograd.
34. *Matohina N. V.* Physiological substantiation for use of transcranial electric stimulation of brain endorphinergic structures in prophylaxis and treatment of autonomic dystonia syndrome in young patients. 2004. Volgograd State Medical University, Volgograd.
35. *Melikhova M. V.* Experimental therapy of toxic liver lesions by using transcranial electric stimulation. 2004. Institute of Toxicology, Saint-Petersburg.
36. *Katorgina G. I.* Cerebral hemodynamics in children with and without mental retardation. 2004. Vladimir State University, Vladimir.
37. *Funden R. A.* Clinical-morphologic evaluation of hormone-free therapy of dysfunctional uterine bleedings. 2004. Saint-Petersburg Medical Academy of Postgraduate Education, Saint-Petersburg.389

38. *Kovalev A. S.* Use of transcranial electric stimulation in support of educational activity of cadets in military academies. 2004. S. M. Kirov Military Medical Academy, Saint-Petersburg.
39. *Gladkova N. A.* Role of transcranial electric stimulation and saganit in treatment of climacteric syndrome. 2005. Volgograd State Medical University, Volgograd.
40. *Sedneva S. A.* Hormone-free therapy of menstrual dysfunctions in women with normogonadotropic ovarian deficiency. 2005. Saint-Petersburg Medical Academy of Postgraduate Education, Saint-Petersburg.
41. *Malygin A. V.* Biotechnical system of transcranial electric stimulation of brain protective mechanisms. 2005. Pavlov Institute of Physiology, Russian Academy of Sciences, State Technical University "LETI", Saint-Petersburg.
42. *Miroshnikov A. E.* Transcranial electric stimulation in complextherapy of women with gestoses. 2005. Volgograd State Medical University, Volgograd.
43. *Sashina M. B.* Rehabilitation of patients with central postapoplectic pain syndromes. 2005. The Research Institute of Neurology, Moscow.
44. *Antipova O. A.* Transcranial electric stimulation in complextherapy of patients with periodontitis: clinical and immunological aspects. 2005. Volgograd State Medical University, Volgograd.
45. *Zavalina T. V.* Therapeutic effectiveness of antidepressants belonging to selective serotonin reuptake inhibitors as well as transcranial electric stimulation of nociceptive system in patients with vertebragenous chronic backache. 2005. Perm State E. A. Vagner Medical Academy, Perm.
46. *Yudin S. A.* Effectiveness of transcranial electric stimulation in prophylaxis of postoperative complications in patients with hysteromyoma. 2005. Volgograd State Medical University, Volgograd.
47. *Belimova A. A.* Audio-selective transcranial electric stimulation in complextherapy of patients with sensorineural hearing loss. 2006. S. M. Kirov Military Medical Academy, Saint-Petersburg Research Hospital of Ear, Nose, Throat and Speech, Saint-Petersburg.
48. *Dimitrienko A. I.* Use of brain transcranial electric stimulation while administering emergency medical treatment. 2006. Saint-Petersburg State Pavlov Medical University, Saint-Petersburg.
49. *Filatov S. G.* Transcranial electroanesthesia in goats (clinical-experimental study). 2006. Orenburg Agriculture University, Orenburg.
50. *Nechaeva I. A.* Newtechnologies in rehabilitation of sickly children suffering from acute respiratory infections. 2006. Kemerovo State Medical Academy, Kemerovo.
51. *Ziyatdinova G. M.* Features of urinary bladder dysfunction in women of reproductive and premenopausal age. 2006. D. O. Ott Research Institute of Obstetrics and Gynecology, Saint-Petersburg.390

52. *Bondar O. I.* Complextherapy of itching dermatoses by using transcranial electric stimulation. 2006. S. M. Kirov Military Medical Academy, Saint-Petersburg.
53. *Mukhina A. V.* Role of transcranial electric stimulation in complexprophylaxis of complications during pregnancy and labor. 2006. Volgograd Medical University, Volgograd.
54. *Mirgorodskaya E. V.* Clinical effectiveness of transcranial electric stimulation of brain endorphinergic structures in treatment of patients with irritable bowel syndrome. 2007. Saint-Petersburg I. I. Mechnikov Medical Academy, Saint-Petersburg.
55. *Barkova S. V.* Effective use of transcranial electric stimulation in complextherapy of patients with lichen ruber planus of the oral mucosa. 2007. Volgograd Medical Academy, Volgograd.
56. *Milostnoy Yu. P.* Features of hemodynamics and emotional state in judoists after strenuous exercise, and its correction by using transcranial electric stimulation. 2007. Kursk I. I. Ivanov Agricultural Academy, Kursk.
57. *Iovel G. G.* Optimization of treatment of hyperplastic processes of uterus. 2007. Saint-Petersburg Medical Academy of Postgraduate Education, Saint-Petersburg.
58. *Maltseva I. Ya.* Effectiveness of balneal and bog resources at the health resort "klyuchi" as well as transcranial electric stimulation in patients with vertebragenous chronic lowback pain. 2007. Perm State E. A. Vagner Medical Academy, Perm.
59. *Kade E. A.* Complextherapy of rheumatoid arthritis by using transcranial electric stimulation. 2007. Kuban State Medical Academy, Krasnodar.
60. *Masyutina I. V.* Transcranial electric stimulation of serotonergic antinociceptive system in treatment of pain syndrome of cervical dorsopathy in veterans of recent combat operations. 2008. Perm State E. A. Vagner Medical Academy, Perm.
61. *Kovtun E. A.* Immune and neuroregulatory disorders, and their correction in patients with erysipelas. 2008. Kuban State Medical Academy, Krasnodar.
62. *Aksenov A. A.* Correction of liver functional status in rabbits and dogs by using transcranial electric stimulation. Kursk I. I. Ivanov Agricultural Academy, Kursk.
63. *Sein B. S.* Correction of adaptive processes in animals by using transcranial electric stimulation. Kursk I. I. Ivanov Agricultural Academy, Kursk.
64. *Naumenko A. N.* Transcranial electric stimulation in postoperative treatment of patients with pathologic processes of nasal cavity. 2009. Saint-Petersburg Research Institute of Ear, Nose, Throat and Speech, Saint-Petersburg.391

Doctor of Science Theses

1. *Leosko V. A.* Ways to improve anesthesiologic care during thoracal surgery. 1990. State Research Institute of Pulmonology, Saint-Petersburg.
2. *Zabolotnykh I. I.* Primary osteoarthritis deformans (pathogenesis, clinical picture, diagnostics, working capacity examination and rehabilitation). 1990. Saint-Petersburg Extension Course Institute for Medical Practitioners and Experts, Saint-Petersburg.
3. *Enin L. D.* Mechanisms of skin reception in white rat. 1993. Pavlov Institute of Physiology, Russian Academy of Sciences, Saint-Petersburg.
4. *Vahtangishvili R. Sh.* Regulatory peptides in surgery of complicated gastro-duodenal ulcers. 1990. Peoples' Friendship University of Russia, Moscow.
5. *Grinenko A. Ya.* Ways to improve therapy against physical and psychological dependence on alcohol consumption. 1993. Leningrad District Narcological Dispensary, Leningrad.
6. *Aleksandrova V. A.* Clinical-pathogenetic heterogeneity of gastroduodenal diseases in children, and non-pharmacological approaches for therapeutic correction. 1994. Saint-Petersburg Medical Academy of Postgraduate Education, Saint-Petersburg.
7. *Lomarev M. P.* Structural and functional reorganization in human brain under therapeutic transcranial electric procedures by using pulsed and constant electric current. 1995. Institute of Human Brain, Russian Academy of Sciences, Saint-Petersburg.
8. *Sein O. B.* Physiologic features of sexual function development in pigs. 1996. Kursk I. I. Ivanov Agricultural Academy, Kursk.
9. *Raznatovski K. I.* Role of socio-psychological and emotion-stress factors in development of hemodynamic, microcirculatory and hormonal disorders in patients with palmoplantar dermatoses treated and corrected with complexneuroregulatory method. 1997. S. M. Kirov Military Medical Academy, Saint-Petersburg.
10. *Dovnar T. E.* Immune status and immunoregulation in patients with bronchial-pulmonary diseases after surgery. 1997. State Research Institute of Pulmonology, Saint-Petersburg.
11. *Krupitski E. M.* Pharmacologic, pharmaco-psychotherapeutic and non-pharmacological approaches to stabilize remissions in patients with alcoholism. 1998. Leningrad District Narcological Dispensary, Saint-Petersburg.
12. *Sysøev V. N.* Theoretic problems of professional psychological selection, psychophysiologic surveillance for training service of military service men. 2000. S. M. Kirov Military Medical Academy, Saint-Petersburg.
13. *Rybak V. A.* Non-organic generalized pain syndromes: development, clinical picture, treatment. 2002. Volgograd Medical Academy, Volgograd.

14. *Zolotova T. V.* Differentiated approach to treatment of sensorineural hearing loss. 2004. Rostov State Medical University, Rostov-On-Don.
15. *Rychkova S. V.* Quality of life in school-aged children affected by chronic gastro-duodenal disorders. 2007. Saint-Petersburg Medical Academy of Postgraduate Education, Saint-Petersburg.
16. *Chernichenko I. I.* Psycho-somatic disorders in women of climacteric age, and the means for their correction. 2007. Saint-Petersburg Medical Academy of Postgraduate Education, Saint-Petersburg.
17. *Tarasova S. V.* Prevalence and diagnosis of different forms of chronic daily headache. 2008 Saint-Petersburg Pavlov State Medical University, Saint-Petersburg.
18. *Rogova N. V.* Optimization and correction of treatment of carbohydrate metabolism disturbances by means of influence upon endorphinergic and serotoninergetic brain structures. 2009. Volgograd State Medical University, Volgograd.