and indicators of the Toronto aleksitimicheskoy scale (R = 0.43, p = 0.04). Thickening KIM OCA suggests remodeling of the vascular system of the brain with further morphological reconstruction of the arteries. These changes can significantly limit the adaptive capacity of the vascular system of the brain, contributing to the progression of encephalopathy, against which developed cognitive disorders, psycho-emotional disorders, aggravating the difficulties in interpersonal relationships. This is confirmed by a high prevalence of alexithymia, personal and reactive anxiety in patients with the third group. In patients with decompensated CPH revealed high levels of alexithymia and deceleration of systolic blood flow velocity in the OCA (R = -0.77, p = 0.03) and MCA (R = -0.85, p = 0.03). There were significant positive correlations between disease duration and alexithymia (R = 0.76, p = 0.001), personal anxiety (R = 0.43, p = 0.01), the values on the scale of 1 SMIL technique (R = 0.29, p = 0.05), the scale 7 (R = 0.28, p = 0.05) and the scale 0 (R = 0.26, p = 0.05), indicating that the progression of COPD exacerbation hypochondria and anxiety, and on the restriction in this regard, social contacts.

Slowing the rate of cerebral blood flow in patients with COPD leads to dyscirculatory encephalopathy, which helps build-up of emotional stress and the development of anxiety and depressive disorders.

### Conclusions

1. In patients with COPD develop cerebral blood flow in the early stages of the disease, with increasing pulsation and resistance indexes MAG. With progression of the disease is remodeling of the vascular system of the brain, reducing blood flow in the extra-and intracranial arteries.

2. Changes in cerebral hemodynamics correlated with psychopathological disorders that occur in COPD. Proportional disease duration increases anxiety levels (R = 0.28, p = 0.05), hypochondriasis (R = 0.29, p = 0.05), hysteria (R = 0.26, p = 0.05) alexithymia (R = 0.76, p = 0.01). Literature

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## **Sports co-operate stronger**

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**Keywords**: science forum, students, sport events.

This year will be held 10 anniversary of the Russian-Chinese international pharmaceutical forum. In 2005, the leaders of the two universities - the Amur of state medical academy - V.A. Dorovskikh and Heylutszyanskogo University of Traditional Chinese Medicine - Kuan Heyschyus discussed some questions about the annual Sino-Russian Pharmaceutical Forum, not only with the science reports of the teaching staff, as were the two previous meetings, but also with the science reports post graduated students, concert programs and sport events.

In 2006 was the first foreign trip of the student-athletes of academy to Harbin. The structure of the sports delegation included five young men powerlifters (power triathlon). In Haylutszyansky university, as we learned on the spot, this sport is not cultivated. But all organizational issues were resolve quickly. Sport leaders of two teams, not knew the language, professionally communicated be using gestures and sometimes with help of translators, and realized what Russians need for demonstration performances. They found post rack adapted for squats and bench press machine in Harbin, built a make-shift stage. During performances the Chinese people showed varieties of Chinese gymnastics exercises with elements of martial arts, moreover with pole, ball, dagger and other subjects. Between performances of Chinese students performed strength training students from AGMA.

There was no limit of their delight, when Ivan Krivonogov came to the rod, whose weight is 52 kg, coped with rod weighing 160 kg! Or Michael Bilko, Nikita Kanyushkin, Dmitry Mozhaev, Andrei Dolgopolov did squats with a rod on their shoulders, surpassing their own weight in 2.5 - 3.5 times! After the end of a sport event, Chinese students came to our boys and touched their muscles. They wanted to make sure that it is really such a relief. And when it was announced that all powerlifters - candidate for master of Sports of Russia, winners and champions of the Amur region, successfully learn and make presentations at science conferences, the delight of Chinese students there was no limit! Rector of the Heylutszyansky Medical University with the rector of AGMA, and also the secretary of the Communist Party of the university congratulated each athlete individually and presented them gifts.

In 2007, the Forum met AGMA. Sports battles were among men's teams in volleyball and ping-pong, in each team there are 3 players. Volleyball game was sharp, exciting. Students of AGMA stir strong innings, and the Chinese team - accurate, tenacious defense. Fans also were active, each supporting their athletes. And the hosts won - 2:1. The second kind of competition - table tennis. And there is no equal for Chinese! Ping pong in China is national sport, so to beat them in this game is extremely difficult. Chinese tennis players defended their invincibility - 2:1. But program of sports activities did not stop. For the Chinese delegation, our athletes have shown demonstrations of powerlifters and weightlifters. The interest of the guests to the weight lifting has increased even more when they found out that the weight of the kettlebell -24 kg, and medical students demonstrated the exercises - push and tug. Almost every guest tried to pick it up, but only two of them did it. Chinese visitors were satisfied and did not hide the joy of the victory of tennis players. In 2008, Harbin met the AGMA delegation. Besides science exchange was extensive cultural and sports programs. In the gym, the owners have demonstrated national sports, especially everyone liked the dance with the dragon. Then the volleyball players came out. It was a clear superiority of the girls of AGMA. In the second batch the players mixed, so had a friendly meeting.

In 2009, the Scientific Forum held in Blagoveshchensk. On the playground met basketball players. Meeting streetball, (the game takes place on one half of the basketball court, the score to 16 points and time 20 minutes) until the last minute, it was difficult to determine the winner. 15 seconds before the final whistle, boys of AGMA won. Revanche took the Chinese tennis players, they beat our guys in their corona sport.

The good tradition between Chinese and Russian athletes was not broken in 2010. On the playground vied girls team in table tennis and beach volleyball. Our tennis players lost again, but "bounced back" volleyball players . Generally, as noted by the participants of the forum, while the work was a lot of pleasant and unexpected moments that made a memorable visit to friends. The meeting on the playground in 2011 was held in two halls of AGMA. With the demonstration performances for guests of the Forum team went weightlifters of the medical academy. Then the playground took fans Wushu including Chinese. They not only showed this kind of ownership of martial arts, but also shared experiences of his achievements. The sight was breathtaking. Guests have demonstrated the game of badminton. And in the tennis hall were battles in ping pong. Demonstrated the onset and virtuosity Uzun Kys Aydys. He won an appointment from a Chinese student. General meeting of 2:1 to the hosts. And then the teachers of two universities came to the site. In memory of this friendly meeting, each participant were not only a pleasant experience, but honestly sports medals won.

In 2012, the forum was held in Harbin, we were surprised by huge sports complex four-Heylutsdzyansky University. This is truly a magnificent building, not afraid to say that in the Far East region of Russia there is no sports facilities like that, including translated into Russian island of the Far Eastern Federal University. Games future physicians in volleyball and streetball delivered to participants and spectators, who were at least 1,500 people, a lot of good minutes and good mood. Amur girls won in volleyball, Chinese boys won in streetball. It was revanche for the defeat in 2009. These meetings encourage students to practice in sports clubs, because sports are changing, and there is an incentive to meet with foreign students. They give the opportunity to know the neighbors. The experience of such events becomes richer, broader and informative.

# Estimation of dynamic electroneurostimulationefficiency in treatment of patientsduring the acute period of ischemic stroke

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Abstracts: The research of dynamic electroneurostimulation (DENS) efficiency in treatment of 30 patients during the acute period of ischemic stroke showed that complex treatment supplemented by DENS increases the therapy effectiveness leading to a faster and more significant regress of neurologic symptoms in the basic group of patients compared with the use of traditional drug therapy in the control group.

Key words: ischemic stroke, dynamic electroneurostimulation (DENS)

Ischemic stroke is the most important medico-social problem in the modern world and takes the second place among the reasons of death, disability and decrease of social activity of the most capable of working part of population (VereschaginN.V, 2002, GusevY.I., ScvortsovaV.I., 2003). A wide range of drugs used nowadays doesn't provide really well-defined clinical effect. It brings to the search of new possibilities for patients' rehabilitation by combining pharmacotherapy with nondrug methods of treatment, especially in the acute and early periods of rehabilitation, the most perspective ones for patients rehabilitation, as they are determinant for the formation of residual neurologic defect, the degree of adaptation and functional compensation of patients.

One of the most perspective tendencies is working out and perfection of technologies applying different modifications of reflexotherapy for the most intensive influenceon cerebral hemodynamics and activation of personal sanitary-genetic mechanisms of the patient's organism.

Dynamic electroneurostimulationis a modern method of noninvasive treatment, which combines the advantages of physio- and reflexotherapy. The experimental and clinical studies allow to admit that cascading reflex and neurochemical reactions, which start up the cascade of regulatory and adaptive mechanisms of the organism, underlie the therapeutic action of DENS. As a result, pain syndromes are eliminating, local and system blood circulation is improving, etc. (Cheremhin K.Y., 2008)

The purpose of this research is to study the effectiveness of using DENS therapy in the scheme of early rehabilitation of patients during the acute period of ischemic stroke, DENS influence on motor, sensitive, coordination neurological abnormalities and the activity level in everyday life compared with the results of the control group undergoing standard drug therapy. Materials and methods

The study and the course of early rehabilitation of 30 patients in the acute period of ischemic stroke were carried out in the neurology unit of the primary vascular centreofBlagoveschensk. The group under examination consisted of 17 men (56,7%) and 13 women (43,3%), aged from 37 to 77