

DISEASES THAT MAY OCCUR AS A RESULT OF FACTORS AFFECTING THE HIGHER NERVOUS SYSTEM

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Abstract:

In this article, the formation of the higher nervous system, scientific views on it and the factors affecting the higher nervous system, as well as diseases arising from it, as well as scientific views on their prevention, are highlighted.

Keywords: people, higher nervous system, disease symptoms, epilepsy, migraine, etiopathogenesis, epidemiology, clinic, arachnoiditis, arachnoiditis, arachncephalon and deuterencephalon.

Introduction

Today, the world's population has exceeded 8 billion. In particular, we can see from statistical data that the population of Uzbekistan has increased by 37 million. Therefore, the health of people on a global scale and their healthy lifestyle in society are becoming the most important issues facing all countries.

It should be noted that every country of the world tries to create the necessary conditions for its people and future generations. In this regard, the main goal of the fundamental reforms implemented in our country is to raise human dignity and establish a people-friendly state through the further development of a free civil society.

Therefore, the year 2022 of the President of the Republic of Uzbekistan in accordance with the purpose of Decree PF-60 №56 of January 28 "On the Development Strategy of Uzbekistan for 2022-2026", comprehensive measures aimed at implementing the program for the development of the health care system, protection of public health and capacity building of medical personnel in 2022-2023, Also, tasks such as implementation of the strategy of digitization of the healthcare sector for 2022-2026 and elimination of existing environmental problems that harm the population's health and gene pool are defined in the 79th goal.

Review of Scientific Literature

When studying the activity of the higher nervous system, we must refer to the ancient written sources of our history. In this regard, Hippocrates, Abu Bakr Muhammad ibn Zakari ar-Razi, Abu Ali ibn Sina wrote down the clinical signs, manifestations, methods of diagnosis and treatment of various diseases related to the nervous system. Already in those times, certain

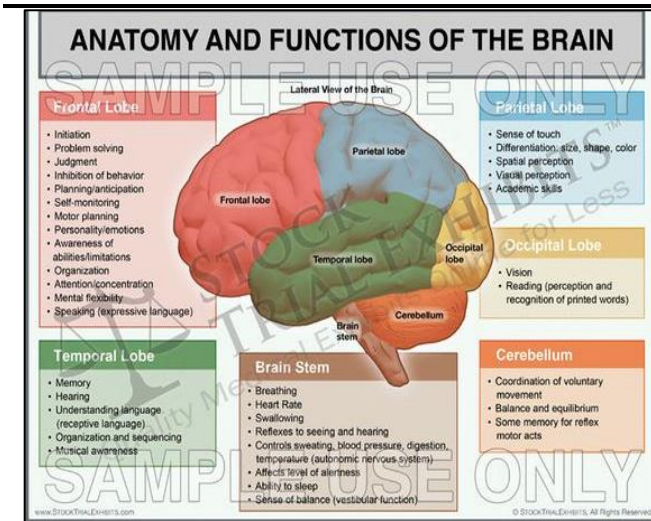
conditions were clearly identified and a group of diseases, such as epilepsy, migraine, was recognized as "Cerebral disease". Also, a number of foreign medical sciences related to the topic and scientists in our republic conducted their scientific research and practical experiments. Including, (Table 1)

Table 1 Some aspects of the issues related to the topic are the approaches of foreign researchers to the essence of the topic in different periods ¹

№	Authors	Interpretation of the authors of literature on the topic
1.	Claudius Galen	It has been proven that the human body is not controlled by the heart, but by the higher nervous system, which coordinates their movements, controls their intuition and mental activity (he conducted research on monkeys).
2.	T. Willizy D. M. Marini	determined that the disorder of the nervous system depends on the disorder of the brain structure
3.	I.P. Pavlov I. I. Ukhtomsky I.M. Sechenov	He created the methodological foundations of the functional study of the nervous system and its physiological studies. founded the reflector theory of zinc activity. They proved that the reflex is a universal response of the brain to various external influences.
4.	A.R. Rakhimjonov	classification of neurorheumatism and neurotonial diseases was created.
5.	E.M. Mirjuraev	The problems of cerebral vascular pathology and inflammatory diseases of the meninges were studied. The etiopathogenesis, epidemiology, clinic, treatment methods, and rehabilitation problems of pre-stroke and stroke diseases have been fundamentally studied.
6.	H.K. Salokhitdinov, I.S. Yodgorov	studies were conducted on vascular pathology of the brain, cardiac activity in the pathology of the brain, cerebral arachnoiditis.

Therefore, all people, regardless of whether they belong to the male or female gender, each person has a unique higher nervous system, which depends on the formation of each person, that is, the processes of embryo formation. At 2.5 weeks of the fetus, the neural crest appears, and at 3.5 weeks, the clearly visible neural crest quickly closes and becomes a full band. Also, in the 4th week of the fetus, the neural tube closes, 3 brain cysts appear, nerves and ganglia are formed, ependymal, mantle border layers are formed.

¹ Author development based on data.



In the 5th week of the fetus, 5 brain bubbles are formed, large cerebral hemispheres begin to appear, nerves and ganglia are clearly visible. An adrenal gland cyst develops. At the 6th week of pregnancy, the length of the fetus is 12.0 mm, and the primary 3 turns of the neural tube are formed. Nerve tangles are formed. The epiphysis (globular body) is visible. Segmental aggregates of sympathetic nodes are formed, meninges begin to appear.

In vertebrates, the nervous system begins to develop from the outer layer of the fetus. This development is accompanied by the formation and intussusception of the medullary tube. The brain is formed from the anterior part of the medullary tube. As a result of uneven development of some parts of the walls of the medullary tube, brain bubbles are formed. In the first stage, 2 bubbles are formed. These are arachnophalon and deuterencephalon. At the next stage, the deuterencephalon is divided into 2 more bubbles.

The brain develops from the cranial part of the neural tube. This part of the neural tube is initially divided into 3 bubbles: front brain bubble or front brain - prosencephalon; Urta brain bladder or Urta brain - mesencephalon; hindbrain or rhomboid brain - rhomboencephalon.

There are 3 main structures that make up the nervous system (Figure 1).

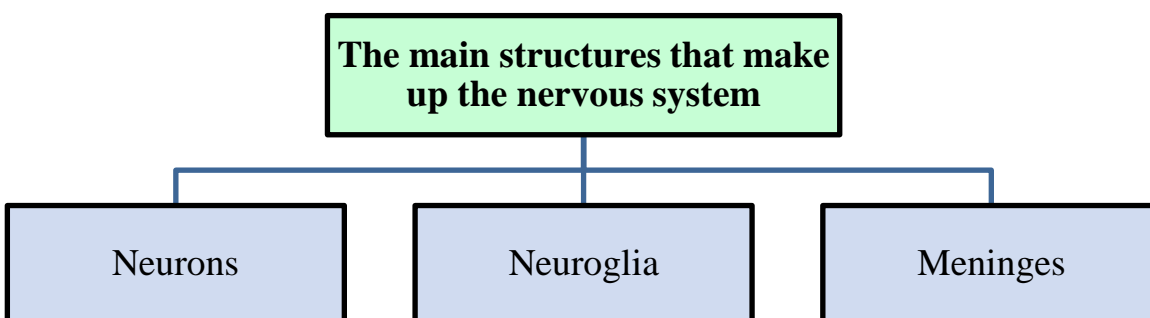


Figure 1. The main structures that make up the nervous system

Conclusions and Suggestions

Based on the above considerations, we considered the stages of development of the higher nervous system of humans. Therefore, it is not an exaggeration to say that the higher nervous system is the most important organ for people to be active in society and conduct social relations.

In today's globalization and information world, we found it permissible to think about the factors affecting the higher nervous system of people. In our opinion, we will be able to see the following factors (Figure 2).

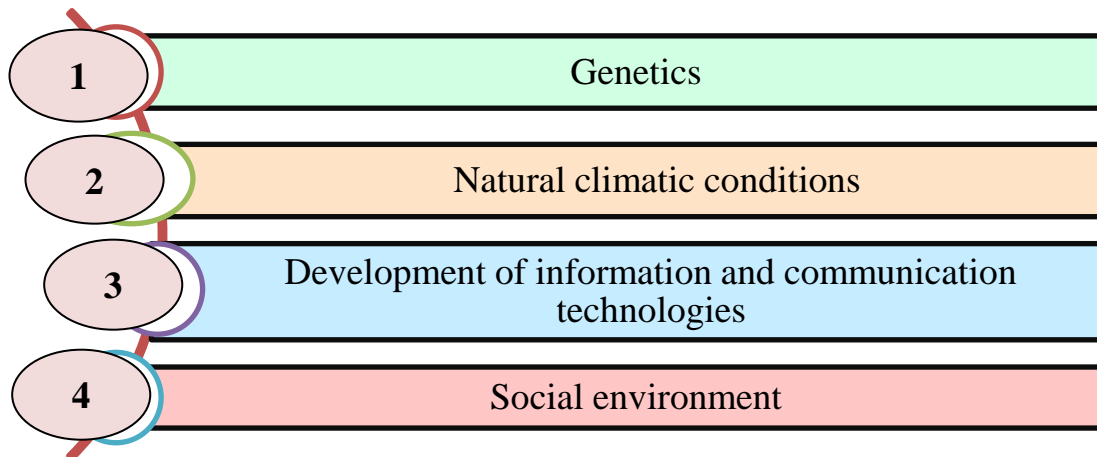


Figure 2. Factors affecting the higher nervous system

If we focus on the first factor, people are diseases that can be caused by the transfer of hereditary diseases during the development of the mother's fetus, as a result of the marriage of close relatives. In our common language, it is also known as blood-sucking diseases. In this regard, it is worth noting that in the decision of the Ministry of Health of the Republic of Uzbekistan dated November 9, 2017 "On approval of the list of diseases and physical disabilities that hinder the administration of justice", such types of diseases as congenital defects of the development of the nervous system (syringomyelia and syringobulbia) are listed.

The second factor - natural climatic conditions are an important factor in the daily activities of every person and leading a full lifestyle. If we interpret it simply, the beauty of the yong shot, the bright light of the rabbit, the smell of the siren flower, etc. Such factors do not affect the higher nervous system of people.

For example, if someone close to you (colleague, student, student, spouse or child) gives you warm words and a bunch of flowers early in the morning, it is natural that this person will achieve high productivity in daily service activities as a result of the positive effect on the nervous system of each person. . Or, on the contrary, in the case of the reverse of these situations, the negative impact on your nervous system, for example, in the morning you observed that the weather was clear, but in the afternoon it rained heavily and you did not have an umbrella, we can certainly consider it a factor that affects the higher nervous system of people in natural climate conditions.

The third factor - information technologies are rapidly developing in the world today. About 5.19 billion people in the world use mobile phones. This is 2.4 percent more than last year. And 4.54 billion people use the Internet. 3.8 billion of them, or 49% of the world's population, actively use social networks. This year, 3.2 million people in Uzbekistan are actively using social networks. This is 972,000 more than last year by 44%. These statistics

show that the number of users of information on social networks is increasing year by year. This indicates a high demand for information in these networks. However, no one can guarantee the accuracy and correctness of all information in social networks and we cannot say that they can be used for all the right purposes. we can consider as the most important factors.

The fourth factor is that human beings come into the world not only to be rich, but to be happy. Social environment, society, surrounding people and family play an important role in their happy life. For example, families whose families are peaceful, perfect, and have sufficient monthly income for all their children consider themselves happy. We can see this as a factor that has a positive effect on their higher nervous systems.

In our opinion, as a conclusion, we should emphasize that as a result of depression of the higher nervous system, a number of organs are injured at the same time. Therefore, we believe that everyone should take care of their own nervous system as much as possible, look for easy ways to cope with depression, and have as much knowledge and skills as possible.

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