

Monograph review
Professor Henry Bakunts
“Endogen factors of cerebral stroke”

The edition of the monograph “Endogen factors of cerebral stroke” by Prof. Henry Bakunts in Russia has a great value for neurologists in Russia and other CIS countries. H.Bakunts is a noted scientist, clinician, who with his active, many-sided activity won the respect of neurological and other scientific and medical communities in Russia and abroad. The monograph is based on the results of research of many years by H.Bakunts, in which the author presents a principally new approach to pathophysiological study and working-out therapy of cerebrovascular deceases with complex evaluation of immune, lipid and microcirculation homeostasis disturbances and the analysis of these indexes. H.Bakunts is one of the first neurologists who has worked out neuroimmunological aspects of vascular brain diseases, using extracorporeal method of therapy of stroke, including the cases of neuroreanimation. Wide scientific and clinical experience that Prof. H.Bakunts has gained working in the leading schools of academics U.M.Lopukhin, R.V.Petrov, corresponding member of RAMS, Prof. A.Y.Kulberg, is used constructively in Armenia.

In the presented monograph the author summarizes his work experience of more than 30 years in study of one of the most actual questions in modern medicine- the problem of stroke. The monograph is dedicated to the revelation of multiple-factor role and methods of organism dysfunctions’ correction in formation and development of different forms of stroke. A particular interest rise the data about the role and value of neuroimmunoendocrine net in the dynamics of development of complex interconnected and interconditioned processes arising in cases of acute brain discirculation disorders, that are described in neurological literature for the first time. The author soundly sets out the integrative succession of interrelated dysfunctions of NIES in combination with metabolic disturbance starting with the processes of “pathology of pointwise accumulation” and its further development, that gives the opportunity to not only diagnosticate the main pathogenetic and pathophysiological processes arising during stroke, but also to carry out adequate pharmacotherapeutic corrections.

In this work NIES is presented in the form of unified, integrated general-regulatory system that connects all the active components of homeostasis and makes a whole view of organism functioning in conditions of progressive stroke. An undoubted theoretical and clinical interest rises the hypothesis about R-proteins (fragments of cell receptors) and their role in homeostasis state

evaluation in stroke and received practical solutions. Marking out the common link in formation of homeostasis disorders in stroke cases, connected with the cell reception dysfunctions or its distortion, the author shows that complex pathophysiological processes turn around it, leading to displacements of biological balance in organism and, finally, to rising of different forms of stroke.

Along with it, the multiple-factor analysis of a set of endogen characteristics presented for the first time in clinical conditions, elucidation of their degree of descriptiveness, establishment of correlated interconnection between them, accentuation of more important characteristics in pathological process are of great interest. All this gives a logical completeness to this interesting work.

As the correspondent-member of RAMS Prof. V.I.Skvortsova, one of the leading neurologists of world stroke research community fairly mentions in preface “along with clinical and laboratorial investigations of the author I want to mention the real clinical progress of the Centre of Angioneurology headed by him and the prospects of development of anti-stroke service in Armenia”.

The foundation of Medical Centre “Stroke” and application of the program of preventive, treatment and rehabilitation help for patients with stroke worked out with the author will help Armenia to make its way to the leading positions against this important medical and social pathology.

The monograph of Prof. H.Bakunts should be evaluated as a fundamental work that endows in salvation of such an actual problem as stroke and it can by right be included among scientific works determining perspectives of development of modern stroke science.

Head neurologist of the Ministry of Healthcare and Social Development of RR

President of All-Russian Community of Neurologists

President of National Association against Stroke

Head of Chair of Neurology and Neurosurgery

of Russian National Research Medical University after N.I.Pirogov

Academic of RAMS, Prof. E.I.Gusev