

NEWLY DISCOVERED WAY OF THE FUNCTION OF CARDIO-VASCULAR SYSTEM AND THE LATEST THEORY OF THE DEVELOPMENT OF HYPERTENSION AND OTHER CARDIO-VASCULAR DISEASES

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We conducted mathematical calculations: The main role in transportation of blood to the capillary bed is played by the artery, the power of the heart is only 0.49-0.027% of the power needed to transport blood to the capillary bed. The vascular pump is regulated by the frequency of contractions of the heart muscle and is tightly synchronized with the work of the heart. The rapid spread of the pulse wave causes a suction effect. Following the reduction of the vessel wall, the blood is just drawn from the aorta and large arteries to the smaller vessels down to the capillary bed. Systematic irregularities in the vascular pump cause increased pressure in arteries located above the lesion and lead to the development of hypertension and can be a starting point in the development of various diseases of the cardiovascular system and other body systems. These illnesses may be both local and systemic, depending on the size and the location of pathological changes in the vascular wall.

Biography

Vladimir A. Mikhaylov has completed his PhD in the 1988 in National center in laser medicine, Moscow. 1994 - received a degree Sci.D. in National center on laser medicine, Moscow. 2009 - Has been recognized as an International Medical Laser Specialist at class: Hon-IMELa, Tokio, Since 2000 - a member of editorial board of the "Laser Therapy. In 2016 - Prof. Ming-Chien Kao Award, Laser Therapy. He has published more than 25 papers in reputed journals.

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