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## The role of scf dynamics and skull bio-mechanics in the developing of aging dementia

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Direct measurements of CBF in MCA and VA demonstrate its significant decrease with age; however, it is not closely correlated with cognitive brain function and symptoms of dementia. This means that there is some physiological mechanism which prevents brain functional disturbances with age decrease of CBF. Recently it has been shown that mechanism responsible for circulatory support of brain activity is based on functional integration of cerebro-vascular system, CSF-mobility inside crania-spinal cavities and biomechanical properties of skull as united structure. Aim of the present investigation is to investigate age peculiarities of dynamics of every component.

### Biography

Yuri Moskalenko graduated Bioengineering at Leningrad Institute for Electrical Engineering (1957), and General Physiology at Medical Institute (1959) Leningrad, USSR. He was postgraduated in Pathophysiology of cerebral circulation and neurology at Burden Neurological Institute, Bristol, in UK in 1964. He received PhD in medicine in 1962. From 1969 he is the head of brain circulatory Laboratory (Institute of evolutionary Physiology and Biochemistry, Russian Academy of Science. In 1996 he received the government award "Honor Scientist of Russian Federation". He is elected as member-corresponding Russian Academy of Natural Sciences in 2001. He is the author of 5 books and 160 papers in reputed journals

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