



*Sc.Dr. Professor Giorgi Mchedlishvili*, (1921 – 2014) is a distinguished Georgian Neuroscientist, specialist of Blood Microcirculation, Rheology and Hemorheological Disorders.. Professor Mchedlishvili during years was the Head of the Laboratory of Blood Microcirculation at the Institute of Physiology Georgian Academy of Scientists (now – Ivane Beritashvili Center of Experimental Biomedicine. Professor Mchedlishvili was the Chair of so known “Tbilisi Symposiums” concerning different aspects of Microcirculation in norm and under various pathological conditions. Professor Mchedlishvili was the Inventor of several well-known technics for Microcirculation studies, the member of a number of international scientific societies and organizations and the owner of prestigious governmental awards. Professor Mchedlishvili created in Georgia strong scientific direction of Hemorheology research and has numerous followers.

Scientific interests of Professor Mchedlishvili are physiological mechanisms of Microcirculation and Rheology. Professor Mchedlishvili is an author of more than 130 scientific papers, published in prestigious foreign editions and scientific journals. Among them:

Physiological mechanisms controlling cerebral blood flow. Mchedlishvili G. Stroke. 1980 May-Jun;11(3):240-8.

Blood flow structure related to red cell flow: determinant of blood fluidity in narrow microvessels. Mchedlishvili G, Maeda N. *Jpn J Physiol.* 2001 Feb;51(1):19-30.

Disturbed blood flow structuring as critical factor of hemorheological disorders in microcirculation. Mchedlishvili G. *Clin Hemorheol Microcirc.* 1998 Dec;19(4):315-25.

Local RBC aggregation disturbing blood fluidity and causing stasis in microvessels. Mchedlishvili G, Varazashvili M, Gobejishvili L. *Clin Hemorheol Microcirc.* 2002;26(2):99-106.

Pulling back slightly the covers of the unknown in the physiology and pathology of the blood microcirculation. Mchedlishvili GI. *Patol Fiziol Eksp Ter.* 1991 May-Jun;(3):3-7

Role of microcirculation in the pathogenesis of brain edema. Mchedlishvili GI. *Patol Fiziol Eksp Ter.* 1985 Mar-Apr;(2):75-81.

Hemorheological disorders in the microcirculation during septic shock in rats. Sordia T, Tatarishvili J, Mchedlishvili G. *Clin Hemorheol Microcirc.* 2006;35(1-2):223-6.

The modular organization of the pial arterial system in phylogeny. Mchedlishvili G, Kuridze N. *J Cereb Blood Flow Metab.* 1984 Sep;4(3):391-6.