

AUTOREGLAREA CEREBRALĂ

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Autoregulation of cerebral circulation is the mechanism by which it is maintained cerebral blood flow (CBF) between large limits of the arterial pressure. Autoregulation appears between some pressure limits. In the literature are presented 2 possible mechanisms of autoregulation: myogenic reaction and metabolic regulation. Sympathetic nervous system stimulation and antagonism of angiotensin-renin system modulate CBF autoregulation which switch the curve to the higher or smaller values of arterial pressure. Cerebral autoregulation is dependent to intracranial pressure as well of venous pressure. This paper is a review of the main mechanisms involved in cerebral autoregulation, its limits in hypertension, of morphological changes in cerebral arteries and its evaluation.