

Importance of the effective Cerebral Perfusion Pressure

1. It has to be considered that flow, pressure and resistance are not independent variables but are linked through various physiological regulatory circuits. (dit proefschrift)
2. Mild hyperventilation (PaCO₂ 30 mmHg) reduced cerebral blood flow by 60%, did not alter cerebral metabolic rate for oxygen or glucose, but increased net cerebral lactate efflux, consistent with partial impairment of cerebral aerobic metabolism. (dit proefschrift)
3. Changes of the arterial partial pressure of carbon dioxide do not only cause changes in vascular diameter at the arteriolar level but may also cause minor changes in main trunk diameter of the middle cerebra artery resulting in a slight systematic difference between relative changes in flow and flow velocity. (dit proefschrift)
4. International and Dutch guidelines should advise more rigorous antihypertensive therapy in women with preeclampsia in order to decrease cerebral perfusion pressure and subsequently reduce cerebral complications. (dit proefschrift)
5. Short-term ventilation with argon (70%Ar / 30% O₂) did not show any effects on the cerebral circulation or on global oxygen, glucose and lactate metabolism. (dit proefschrift)
6. Normal average value of cerebral blood flow in younger adults is 50 ml/ 100 g/ min.
Niels A. Lassen (1926 – 1997), 1985, JCBFM
7. If a job has to be done the nature knows more than one way.
Julius Hiram Comroe (1911 – 1984)
8. In a structure as complex as the human brain a multitude of things can go wrong. The wonder is that for most people the brain functions effectively and unceasingly for more than 60 years.
Seymour S. Kety (1915 – 2000), Scientific American 1979
9. Humor is by far the most significant activity of the human brain.
Edward de Bono (1933 – today), Daily Mail 1990
10. 勝って兜の緒を締めよ
Katte kabuto no o o shimeyo.
Tighten the string of the kabuto after winning the war.
Japanese proverb
11. There is a crack in everything. That's how the light gets in.
Leonard Cohen (1934 – 2016) – Song Anthem