Accumulation of neuronal damage

\[ \Delta rCBV = \Delta rRBC_{\text{Mass}} \]

\[ \Delta rCbf = \Delta rRBC_{\text{Veloc}} \]

Disruption of Regulation (e.g., arteriosclerosis)

Functional Hyperemia

Flow-Mass Regulation

Production of harmful reactive O₂ species

Undesirable O₂ inflow

Critical level of O₂ inflow

Accumulation of neuronal damage