

Because the [intracranial](#) compartment is in contiguity with the [spinal canal](#), which contains epidural fat and openings via [neural foramen](#) between segmental vertebra, the assumption of a rigid system is not completely accurate, but provides a useful framework for understanding [ICP](#). The principal intracranial components (blood, CSF, and brain tissue) are in a state of volume equilibrium, and any increase in volume of one of these intracranial components must be compensated for by a decrease in volume of another; otherwise, ICP will increase ¹⁾.

¹⁾

Mokri B. The Monro-Kellie hypothesis: applications in CSF volume depletion. *Neurology*. 2001 Jun 26;56(12):1746-8. PubMed PMID: 11425944.

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