

Cognitive reserve and its indicators

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The concept of cognitive reserve is derived from the discrepancy between the brain pathology and clinical symptoms. There are two models in the reserve theory: the passive and the active model. The passive model posits that brain pathology can accumulate to a critical threshold at which symptoms appear. The active model suggests that brain actively attempts to compensate for brain damage. Brain size, head circumference, synaptic count, dendritic branching, level of IQ, years of Education, and occupational attainment were considered as indicators of cognitive reserve.

Key words: cognitive reserve, active model, passive model, indicators.