

Serotonergic vulnerability : experimental studies in rats applying the method of acute tryptophan depletion

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Serotonergic Vulnerability

experimental studies in rats applying the method
of acute tryptophan depletion

Linda Jans

1. Serotonergic vulnerability means that there is a vulnerability or sensitivity to natural or experimental alterations or dysregulations in the serotonergic system, which does not pathologically manifest itself if these alterations do not occur (this dissertation).
2. Serotonergic vulnerability manifests itself by changes in affective behaviour and cognition after treatment with acute tryptophan depletion (this dissertation).
3. Acute tryptophan depletion impairs memory. Low-dose acute tryptophan depletion results in impaired memory only in vulnerable groups (this dissertation).
4. The presence of one vulnerability factor does not necessarily result in observable effects after manipulations of the serotonergic system (this dissertation).
5. The peripheral effects of acute tryptophan depletion do not adequately predict the central effects (this dissertation).
6. The female estrous cycle is accompanied by fluctuations in cognitive performance (this dissertation).
7. When a behavioural experiment is repeated in the same lab with rats of the same strain, age and supplier, the results will be different.
8. Serotonin is implicated in virtually everything, but responsible for nothing (Jacobs & Fornal, 1995).
9. Man is the only animal for whom his own existence is a problem which he has to solve (Erich Fromm).
10. We are who people think we are (House, MD).