

A figyelemhiányos hiperaktivitási zavar ideglettani és genetikai háttere

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Abstract: Attention-deficit hyperactivity disorder (ADHD) is a developmental disorder with the cardinal features of difficulties with sustained attention, distractibility, hiperactivity and impulse control. Frontal cortex has an important role in regulating mental skills that are required to sustain attention and inhibit impulsive behavior. It is likely that different neurotransmitter systems and the relative balance between them play a critical role in frontal activity. Recent research has suggested that serotonin, in addition to dopamine, may be involved in the development of ADHD. Serotonin regulates dopaminergic neurotransmission in some areas of the brain via several 5HT receptors including 5HT1B.

Keywords: frontal cortex, neurotransmitter systems, dopamin, serotonin, DAT, DRD4, 5HT, 5HT1B