Cortical Arousal and Pediatric Attention-deficit/Hyperactivity Disorder (ADHD)

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Acta Psychopathol, 2017
DOI: 10.4172/2469-6676.100112

Abstract

While the continued manifestation of Attention-deficit/Hyperactivity Disorder (ADHD) symptoms and cognitive impairments are documented well, the underlying physiological processes remain unknown. This review documents research linking arousal to ADHD-related cognitive impairments. Etiological models that attempt to associate arousal to ADHD-related cognitive impairments and behavioral manifestations of the disorder are reviewed. Finally, recommendations for future research will be explored with a particular emphasis on both research and clinical implications.