

A multi-media computer application for undergraduate instruction: Attention Deficit Hyperactivity Disorder as a model

Arachy, A.R., Miller, L., Johanson, J.B., and Terry, L.M.

Department of Psychology, College of Science & College of Liberal Arts
Florida Atlantic University

The study of Attention Deficit Hyperactivity Disorder (ADHD) can be used as a model to understand neurobiological mechanisms of behavior. Neuropharmacological and neuroanatomical studies of children with ADHD can be used to stimulate interest in these fields incorporating both clinical and basic issues. The purpose of this paper is to illustrate the use of a multi-media computer application (Hyperstudio) in the presentation of complex neurobiological material using ADHD as a clinical example. The growing availability of computers and multi-media software in educational settings can enhance lectures and increase the opportunity for interactive study by students. The purpose of this simulation is to demonstrate the design of an interactive teaching and a study program used by developmental psychobiologists. This program will incorporate an outline for lecture use in the classroom and potential questions and diagrams. These types of presentations can be developed by faculty and students and can be used in a variety of educational settings.