

Premiere Date:
Wednesday, March 1, 2006

LIVE Broadcast: 12:00 p.m.–1:00 p.m. ET
11:00 a.m.–12:00 p.m. CT
10:00 a.m.–11:00 a.m. MT
9:00 a.m.–10:00 a.m. PT

Taped Re-Air: 3:00 p.m.–4:00 p.m. ET
2:00 p.m.–3:00 p.m. CT
1:00 p.m.–2:00 p.m. MT
12:00 p.m.–1:00 p.m. PT

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- Nurses (CNE)
- Psychologists (CEP)
- Social Workers (NASW)
- Case Managers (CCMC)
- Pharmacists (CPE)

FACULTY

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Viewing location (if site-facilitated):

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 videotape of this CE activity.



**Exploring the Neurocircuitry of the
Brain and Its Impact on Treatment
Selections in ADHD**

Statement of Need

Attention Deficit Hyperactivity Disorder (ADHD) is one of the most prevalent health disorders affecting children. Children with ADHD have impaired functioning in multiple settings, including home, school, and relationships with peers. If untreated, the disorder can have long-term adverse effects into adolescence and adulthood. It is estimated that between 3 and 5 percent of children have ADHD, or approximately two million children in the United States.¹ ADHD is characterized by two core symptom areas defined as inattention and impulsivity/hyperactivity. The Diagnostic and Statistical Manual of Mental Disorders² (DSM-IV-TR) defines nine characteristics for inattention and impulsivity/hyperactivity, and also includes three sub-classifications of ADHD: predominantly hyperactive-impulsive (does not show significant inattention); predominantly inattentive (does not show significant hyperactive-impulsive behavior); and combined (displaying both inattentive and hyperactive-impulsive symptoms).¹ Studies have implicated a core deficit of fronto-striato-basal ganglia neurocircuitry.³ In an effort to understand the relationship between the neurocircuitry of the brain and how neurotransmitters impact specific areas and affect cognitive functioning, this interactive, evidence-based psychCME TV activity will discuss the role of neurotransmitters in the prefrontal cortex (PFC) and their impact on brain circuitry and treatment selection in ADHD.

¹ Attention Deficit Hyperactivity Disorder. <http://www.nimh.nih.gov/publicat/adhd.cfm#intro> Accessed 01/23/2006.

² *The Diagnostic and Statistical Manual of Mental Disorders*, Fourth Edition, Text Revision. Washington, DC: American Psychiatric Association, 1994.

³ Dickstein DP, et al. Neurologic examination abnormalities in children with bipolar disorder or attention-deficit/hyperactivity disorder. *Biol Psychiatry*. 2005;58:517-524.

Activity Goal

To provide evidence-based educational information regarding brain neurocircuitry and treatment selection in ADHD.

Learning Objectives

At the end of this CE activity, participants should be able to:

- Distinguish specific areas of the brain implicated in the pathophysiology of ADHD.
- Define the role of neurotransmission on brain circuitry in ADHD.
- Identify how brain neurocircuitry influences treatment strategies to improve patient outcomes.
- Compare and contrast existing and novel agents for the treatment of ADHD.

Target Audience

Physicians, physician assistants, nurse practitioners, nurses, psychologists, social workers, certified case managers, pharmacists, and other healthcare professionals with an interest in mental health.

Commercial Support

CME Outfitters, LLC, gratefully acknowledges an educational grant from Cephalon, Inc., in support of this CE activity.

Credit Information

CME Credit (Physicians): CME Outfitters, LLC, is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CME Outfitters, LLC, designates this educational activity for a maximum of 1.0 AMA PRA Category 1 Credit(s)TM. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Note to Physician Assistants: AAPA accepts Category I credit from AOACCME, Prescribed credit from AAFP, and AMA Category I CME credit for the PRA from organizations accredited by ACCME.

CNE Credit (Nurses): This Educational Activity is presented by CME Outfitters, LLC, which has been approved as a provider of continuing education by the New York State Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. It has been assigned code 5UYSJZ-PRV-0486. 1.2 contact hours (Pharmacology)

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Universal Program Number:
376-999-06-006-L01 (live presentation)
376-999-06-006-H01 (recorded programs)

To receive credit, participants must review all activity materials in their entirety, score 70% or above on a post-test, and fully complete and return both the credit request form and activity evaluation. A certificate or statement of credit will be mailed within 4–6 weeks to all who successfully complete these requirements.

FAX completed form to **240.243.1033**

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YES! Register me for this LIVE evidence-based psychCME TV activity on March 1, 2006.

Site/Individual Name: _____ # Participants: _____

Degree: _____ Practice Setting: Community Mental Health State Mental Health
 Private Practice Primary Care Other: _____

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