

Posttest

Instructions

Participants may receive up to 5 hours of Category 1 credit toward the American Medical Association Physician's Recognition Award by reading the material in this Supplement and correctly answering at least 70% of the questions in the posttest that follows.

1. Read each question carefully and circle the answer on the Registration Form.
2. Type or print the registration information in the spaces provided, and complete the evaluation.
3. Send the Registration Form to the address or fax number listed on the Registration Form.
4. For a credit certificate to be issued, answers must be postmarked by the deadline shown on the CME Registration Form.

All replies and results are confidential. Answer sheets, once graded, will not be returned. Unanswered questions will be considered incorrect and so scored. The Physicians Postgraduate Press, Inc. Office of Continuing Medical Education will keep only a record of participation, which indicates the completion of the activity and the designated number of Category 1 credit hours that have been awarded. Correct answers to the quiz will be made available to the participants of this activity upon request after the submission deadline.

Accreditation Statement

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1. According to Spencer et al., the persistence of attention-deficit/hyperactivity disorder (ADHD) in follow-up studies:
 - a. Is consistent across studies
 - b. Is higher with the DSM-IV than developmentally referenced criteria
 - c. Is usually lower in early studies than more recent studies
 - d. Is higher among girls than boys
2. According to Spencer et al., the average heritability of ADHD is
 - a. 0.25
 - b. 0.45
 - c. 0.75
 - d. 0.85
3. According to Spencer et al., which of the following genes is most often associated with ADHD?
 - a. *DAT1*
 - b. *DRD4*7*
 - c. *MAOA*
 - d. *TDO2*
4. The optimal profile of medications for children and adolescents with ADHD includes all of the following *except*:
 - a. Having few and mild side effects
 - b. Not exacerbating comorbid conditions
 - c. Affecting serotonin and norepinephrine reuptake
 - d. Having no potential for abuse
5. According to Spencer et al., which of the following treatments for ADHD may exacerbate comorbid tics?
 - a. Tricyclic antidepressants
 - b. Antihypertensives
 - c. Atomoxetine
 - d. Stimulants
6. According to Spencer et al., which of the following medications require cardiac monitoring in children with ADHD?
 - a. Tricyclic antidepressants
 - b. Stimulants
 - c. Selective serotonin reuptake inhibitors
 - d. Monoamine oxidase inhibitors
7. According to Adler and Chua, ADHD:
 - a. Can have onset in adulthood
 - b. May be unrecognized until adulthood
 - c. Is not a valid diagnosis in children under 18
 - d. Is not a valid diagnosis in adults
8. According to Adler and Chua, treatment of adult patients with ADHD requires a unique approach from the clinician for all of the following reasons, *except*:
 - a. Hyperactive symptoms of ADHD increase in severity over time.
 - b. Everyday life is more complex for the adult patient.
 - c. Adults with ADHD often have children with ADHD.
 - d. Many adults with ADHD suffer from comorbid psychiatric disorders.

9. According to Adler and Chua, the mainstay of treatment for children and adults with ADHD is:

- a. Pharmacologic treatment
- b. Educational therapy
- c. Psychological therapy
- d. Hospitalization

10. According to Allen and Michelson, the International Conference on Harmonization (ICH) guidelines set the minimum number of patients to be studied in drug developments as:

- a. 2000 for acute treatment, 600 for 6 months, and 25 for 1 year
- b. 1500 for acute treatment, 300 for 6 months, and 100 for 1 year
- c. 700 for acute treatment, 1000 for 6 months, and 2000 for 1 year
- d. At the discretion of the manufacturer or sponsor

11. According to Allen and Michelson, for a drug with a primarily pediatric indication, the ICH minimum must be met in:

- a. A mix of adult and child patients
- b. Adult patients only
- c. Adult volunteers only
- d. Child patients only

12. According to Allen and Michelson, additional Food and Drug Administration requirements for a primary child indication include all of the following *except*:

- a. Developmental toxicology studies using immature animals
- b. Pharmacokinetic studies in children
- c. Phase 1, 2, and 3 studies in adults only
- d. Pilot studies in adults before children

13. According to Barkley, most research on ADHD has

- a. Studied ADHD, combined type
- b. Been conducted with girls
- c. Focused on people in mid-to-late life
- d. Studied ADHD, predominately inattentive type

14. According to Barkley, compared with children without ADHD, children with ADHD

- a. Perform poorly in school at a rate of over 90%
- b. Score 10 to 15 points higher than their peers on standardized achievement tests
- c. Score 7 to 15 points higher than their peers on standardized intelligence tests
- d. Have almost no learning disabilities

15. According to Barkley, by their 30s, a third of people with ADHD

- a. Have college degrees
- b. Have been in the same job since high school
- c. Are self-employed
- d. Are less likely than their peers to have had their driver's license revoked

16. According to Wernicke and Kratochvil, stimulant medications are *not*:

- a. Approved for the treatment of ADHD
- b. Commonly used in adults with ADHD
- c. Able to be abused
- d. Effective in 30% to 50% of patients with ADHD

17. According to Wernicke and Kratochvil, data that are more revealing about a drug's tolerability are:
- The number of initial or prolonged hospitalizations
 - The number of and reasons for discontinuations
 - The number of injuries among study participants
 - The number of allergic reactions
18. According to Wernicke and Kratochvil, it is important to determine whether poor metabolizers can tolerate the higher plasma concentrations achieved with some drugs in order to establish a standard dose range.
- True
 - False
19. According to Saylor et al., which of the following is *not* among the multiple influences on the etiology of ADHD?
- Too much sugar
 - Neurochemistry
 - Genetics
 - Prenatal complications
20. According to Saylor et al., executive functions are:
- The five senses: sight, hearing, taste, touch, and smell
 - Those physical skills that enable excellence in sports
 - Those mental skills and functions that enable self-control and behavioral inhibitions
 - None of the above
21. According to Saylor et al., adaptive functions include all of the following *except*:
- Social fluency
 - Physical expressions of affection
 - Empathy
 - Nonverbal working memory

Registration Form

Circle the one correct answer for each question.

- | | |
|-------------|-------------|
| 1. a b c d | 12. a b c d |
| 2. a b c d | 13. a b c d |
| 3. a b c d | 14. a b c d |
| 4. a b c d | 15. a b c d |
| 5. a b c d | 16. a b c d |
| 6. a b c d | 17. a b c d |
| 7. a b c d | 18. a b |
| 8. a b c d | 19. a b c d |
| 9. a b c d | 20. a b c d |
| 10. a b c d | 21. a b c d |
| 11. a b c d | |

Payment

No payment is necessary. This activity is free.

Deadline for submission

For a credit certificate to be issued, please fax or mail this registration form no later than December 31, 2003. You will receive your credit certificate within 6 to 8 weeks.

Print or type

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Hospital Private Practice Resident Intern

Evaluation

Please evaluate the effectiveness of this CME activity by answering the following questions.

- Was the educational content relevant to the stated educational objectives? Yes No
- Did this activity provide information that is useful in your clinical practice? Yes No
- Was the format of this activity appropriate for the content being presented? Yes No
- Did the method of presentation hold your interest and make the material easy to understand? Yes No
- Achievement of educational objectives:
 - Enabled me to describe the process involved in developing drugs with a primary indication for children. Yes No
 - Enabled me to use a structured instrument to assess outcome in patients with attention-deficit/hyperactivity disorder (ADHD). Yes No
 - Enabled me to review the literature on health outcomes in patients with ADHD. Yes No
 - Enabled me to discuss the treatment of patients with ADHD. Yes No
- Did this CME activity provide a balanced, scientifically rigorous presentation of therapeutic options related to the topic, without commercial bias? Yes No
- Does the information you received from this CME activity confirm the way you presently manage your patients? Yes No
- Does the information you received from this CME activity change the way you will manage your patients in the future? Yes No
- Please offer comments and/or suggested topics for future CME activities.

- How much time did you spend completing this CME activity?

- Please rank the format for future activities in order of your preference (1 is most preferred):

___ Audiotape	___ CD-ROM	___ Telephone
___ Internet	___ E-Mail	___ Symposium
___ Journal	___ Supplement to Journal	
- Do you have convenient access to the Internet? Yes No

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