



What To Do When Seizures Won't Stop

Dear TiP-TV Subscriber:

Thank you for registering for Current Concepts in Pediatric Health Care Series. This educational series is available to you at no additional charge with your TiP-TV subscription.

This program will air on the following dates and times:

Tue, Oct 3, 2006: 1:00 PM to 2:00 PM
Thu, Oct 5, 2006: 11:00 AM to 12:00 PM
Tue, Oct 10, 2006: 11:00 AM to 12:00 PM
Thu, Nov 2, 2006: 2:00 PM to 3:00 PM

All times are Eastern Time

Participants can register by visiting www.chbpediatriccme.com.

This educational offering is intended for the following healthcare professionals:

Primary Care Physicians, Pediatricians, Pediatric Specialists, Pediatric Subspecialists, Pediatric Nurses, Pediatric Pharmacists.

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EDUCATION COORDINATOR CHECKLIST

Prior to the Meeting:

- ❑ See "Technical FAQs" in the Quick Help section of the TiP-TV Neighborhood for satellite information.
- ❑ Reserve the conference/viewing room.
- ❑ Write the site number and site name on all CME/CE Forms **before** duplicating and distributing to participants. Call TiP-TV at (877) 438-4788 if you do not know your site number.
- ❑ **Either download or print and copy the CME/CE Packet, including the CME/CE Information and CME/CE Evaluation and Post-Test for each participant. Have extras available for those participants who do not register with you before the conference.** Consider having pens/pencils available for participants.
- ❑ You may also choose to make several copies of the Participant Sign-in Sheet available in the room to expedite the registration process.

Day of the Meeting:

- ❑ Arrive at the auditorium or viewing room at least 30 minutes before the broadcast and tune in to the broadcast signal test. If your site is experiencing technical difficulties, please call **TiP-TV Satellite Solutions (Technical Help Desk): (800) 736-4367**.
- ❑ Set up your registration table; register participants using the Participant Sign-in Sheets.

After the Broadcast:

For participants to obtain CME/CE credit

The following materials will allow participants to apply for CME/CE:

- ❑ **Participant Sign-in Sheet:** Be sure to note at the top the **total number of attendees including viewers who have not requested CME/CE credits.**
- ❑ **Please also fill in Site Coordinator contact information in case MESG needs to reach you.**
- ❑ **CME/CE Information:** Please download or print and photocopy for all participants (includes objectives, accreditation information, disclosures, etc.).

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- ❑ **Participant CME/CE Evaluation and Post-Test:** Please download or print and photocopy for all participants and collect them from participants who wish to turn them in.
- ❑ Collect all Sign-in Sheets, Evaluations, and Post-Tests that are returned to you. Please remind participants that incomplete or illegible forms will not be processed for credit.

Mail these forms to:

**Medical Education Solutions Group (MESG)
5523 Research Park Drive, Suite 220
Baltimore, MD 21228
Or FAX to 443-543-5210**

NOTE: Incomplete or illegible forms will not be processed for credit. Participant's degree must be indicated on forms for proper credit certification.

Directions for submitting CME/CE paperwork are also included on the individual forms should participants choose to mail them individually. Allow four to six weeks from receipt of forms for delivery of certificates. All responses are for continuing education processing only.

CME/CE credit can also be obtained online at www.chbpediatriccme.com.

Should you have any questions related to this conference airing on TiP-TV or as an online course, please call TiP-TV Customer Service, toll-free, at (877) 438-4788.

For CME/CE questions, contact Medical Education Solutions Group (MESG) at (443) 543-5205.

For questions about nursing/pharmacy accreditation, contact Medical Education Collaborative at (303) 420-3252.

We want your experience with this series to be a complete success at your site. Thank you.

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Children's Hospital Boston

Medical Education Solutions Group (MESG)
5523 Research Park Drive, Suite 220
Baltimore, MD 21228
Or FAX to 443-543-5210

CME/CE Information

Program Title

What To Do When Seizures Won't Stop

Program Learning Objectives

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

- Discuss the definition, epidemiology, and classification of epilepsy
- Describe a scoring system for predicting prognosis at time of first seizure
- Discuss the overall efficacy of medical therapy, the ketogenic diet, and surgery in the treatment of epilepsy

Program Faculty

James J. Riviello, Jr., MD
Director, Epilepsy Program
Division of Epilepsy and Clinical Neurophysiology
Critical Care Neurology Service
Children's Hospital Boston
Professor of Neurology,
Harvard Medical School

Joseph R. Madsen, MD
Associate in Neurosurgery,
Children's Hospital Boston
Associate Professor,
Harvard Medical School

Target Audience

Primary Care Physicians, Pediatricians, Pediatric Specialists, Pediatric Subspecialists,
Pediatric Nurses, Pediatric Pharmacists

Series Purpose and Statement of Need

Current Concepts in Pediatric Health Care is unique and the first-of-its-kind pediatric lecture series that will allow world-renowned pediatric specialists to reach healthcare providers at medical institutions nationally and internationally.

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The programs are case-based and delivered in a patient-case study format. Each one-hour program will explore the diagnosis and treatment of pediatric diseases or conditions, using the latest clinical research data available.

These topics were chosen with input from previous surveys of primary care providers attending previous continuing education programs offered by Children's Hospital, Boston. They also were chosen by the expert opinion of the Committee on Continuing Education and the opinions of Hospital officials familiar with current practices in pediatric care internationally.

Families want the best care available when their child has a health problem. That high level of care evolves from a successful partnership between the child's pediatrician and specialty experts. The pediatrician must be familiar with the latest approaches to diagnosis and management of complex children's diseases and conditions in order to know what tests to order in their assessment, when to refer the child to the specialist, and how medical management should proceed. The pediatrician needs information on how to utilize the advice of the specialist in his office care to maximize the benefit to the child and his or her family.

It is challenging for community-based pediatricians, pediatric subspecialists, as well as other healthcare providers involved in the care of children, to stay abreast of innovations in advanced pediatric care, as these innovations typically emerge in large tertiary care centers distant from community based care. Understanding innovations in advanced pediatric care is critical to optimal tertiary care utilization, and referral decisions, by community-based pediatricians and pediatric subspecialists. Understanding the innovations in advanced pediatric care is critical to optimal continuing care delivered by community based pediatricians and pediatric subspecialists.

Program Purpose

Guidelines have been established for the treatment of pediatric generalized convulsive status epilepticus. The use of some treatments for pediatric status epilepticus are supported by randomized, double-blind studies in adults and nonrandomized studies in children, while other treatments are supported only by anecdotal evidence. There are also treatment recommendations for refractory pediatric status epilepticus. Because of the frequency with which this condition is seen in the pediatric population and the need to individualize therapy, physicians should be familiar with both the guidelines for treatment and the scientific evidence supporting the use of all anti-epileptic medication for the treatment of status epilepticus in children.

Sponsorship Statement

This continuing medical education activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for

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Continuing Medical Education (ACCME) and is sponsored by Medical Education Solutions Group (MESG).

Accreditation Statement

MESG is accredited by the ACCME to provide continuing medical education for physicians.

Nursing and pharmacy credits made possible through the cosponsorship of Medical Education Collaborative and MESG. For questions about the accreditation of this program, please contact Medical Education Collaborative at (303) 420-3252 or e-mail inquire@meccme.org.

For CME/CE questions, contact Medical Education Solutions Group (MESG) at (443) 543-5205.

For questions about nursing/pharmacy accreditation, contact Medical Education Collaborative at (303) 420-3252.



Credit Designation

Physicians

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

Nurses

Approved for 1.2 contact hours of continuing education for RNs, LPNs, LVNs, and NPs. This program is cosponsored with Medical Education Collaborative, Inc. (MEC) and Medical Education Solutions Group. MEC is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. Provider approved by the California Board of Registered Nursing, Provider Number CEP 12990, for 1.2 contact hours.

Nurse Practitioners

MESG is accredited by ACCME to provide continuing medical education for physicians, and will provide nurse practitioners who successfully complete the activity with a Statement of Participation indicating that the activity was designated for 1 *AMA PRA Category 1 Credit*™.

Physician Assistants

The American Academy of Physician Assistants (AAPA) accepts AMA category 1 CME credit for the PRA from organizations accredited by ACCME. MESG is accredited by

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ACCME to provide continuing medical education for physicians, and will provide physician assistants who successfully complete the activity with a Statement of Participation indicating that the activity was designated for 1 *AMA PRA Category 1 Credit™*.



Pharmacists

1.0 contact hours (0.10 CEUs) of credit for pharmacists. Approval of this course for pharmacists is under a cosponsorship agreement between Medical Education Collaborative, Inc. (MEC) and Medical Education Solutions Group. MEC is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. ACPE #815-999-06-041-H01. The program is designed for all pharmacists.

Disclosure Policy

As a provider accredited by the Accreditation Council for Continuing Medical Education (ACCME), Medical Education Solutions Group requires written, signed disclosure of the existence of relevant financial interests or relationships with commercial interest within the last 12 months from any individual in a position to control the content of a CME activity sponsored by MESH. Individuals who refuse to disclose relevant financial relationships will be disqualified from all aspects of this CME activity.

Faculty Disclosure

The presentation(s) for this program have been peer reviewed and have been approved for compliance. The faculty have indicated the following financial relationship(s) that have been resolved through an established COI resolution process and have stated that these reported relationships will not have any impact on their ability to present an unbiased presentation.

James J. Riviello Jr., MD

Salary: Neurology Review Course

Joseph R. Madsen, MD

Fees received for promotional/non-CME activities: Cyberonics

MESH Disclosure

The employees of Medical Education Solutions Group have no financial relationships to disclose.

MEC Disclosure

The employees of Medical Education Collaborative have no financial relationships to disclose.

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Acknowledgement of Commercial Support

This educational series is supported through an educational grant from Amgen, Cephalon, and Nutricia.

Educational Design

This program is available in two formats: satellite video broadcast and online archived version. Participants may earn credit for participating in one of the formats.

Medium

Live, videotaped with PowerPoint presentation offered via satellite broadcast, and archived for rebroadcast.

Hardware/Software Requirements

Operating System

Microsoft® Windows® 98, NT, 2000, XP, 2003

Browser/PDF Viewer

Microsoft Internet Explorer 6.0

Adobe Acrobat Reader® 6.0

Media Player

Windows Media® Player 7.1 or higher, OR

RealPlayer® Basic 8 or higher

Connection Type

High bandwidth (300k) is strongly recommended

Low bandwidth (100k) results in less than optimal quality

Dial-up/modem is not recommended

Unlabeled/Unapproved Uses Notice

Faculty (speakers) have agreed to disclose to the participants when products or procedures being discussed are off-label, experimental, and/or investigational (not FDA approved) or any limitations that are presented, such as data that are still investigational.

Disclaimer

The information provided at this CME/CE activity is for continuing education purposes only and is not meant to substitute for the independent medical judgment of a physician relative to diagnostic and treatment options of a specific patient's medical condition.

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Statement of Evidence-Based Content

Educational activities that assist physicians in carrying out their professional responsibilities more effectively and efficiently are consistent with the ACCME definition of continuing medical education (CME). As an ACCME accredited provider of CME, it is the policy of MESG to review and assure that all the content and any recommendations, treatments, and manners of practicing medicine in CME activities are scientifically based, valid, and relevant to the practice of medicine. MESG is responsible for validating the content of the CME activities it provides. Specifically, (1) all recommendations addressing the medical care of patients must be based on evidence that is scientifically sound and recognized as such within the profession; (2) all scientific research referred to, reported, or used in CME in support or justification of a patient care recommendation must conform to generally accepted standards of experimental design, data collection, and analysis.

MESG is not liable for any decision made or action taken in reliance upon the information provided through this activity.

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How to Receive CME/CE Credit

In order to receive CME/CE credit, participants must view the CME/CE materials, view the presentation, complete the post-test and evaluation, and return the forms to:

Medical Education Solutions Group (MESG)
5523 Research Park Drive, Suite 220
Baltimore, MD 21228
Or FAX to 443-543-5210

Allow four to six weeks from receipt of forms for delivery of certificates. Please note that participants can only receive credit for viewing a session once.

CME/CE credit can also be obtained online at www.chbpediatriccme.com.

NOTE: Incomplete or illegible forms will not be processed for credit. Participant's degree must be indicated on forms for proper credit certification.

Dates of Release:

Tue, Oct 3, 2006: 1:00 PM to 2:00 PM

Thu, Oct 5, 2006: 11:00 AM to 12:00 PM

Tue, Oct 10, 2006: 11:00 AM to 12:00 PM

Thu, Nov 2, 2006: 2:00 PM to 3:00 PM

All times are Eastern Time

Expiration Date: October 2, 2007

Time Required to Complete This Activity: One Hour

ADA Statement

MESG fully complies with the legal requirements of the ADA and the rules and regulations thereof. If any participant in this educational activity is in need of accommodations, please contact Jennifer Tornabene, CME Coordinator, MESG, at (443) 543 5207 to receive assistance.

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What To Do When Seizures Won't Stop CME/CE Post-Test

Release Date: October 3, 2006 Expiration Date: October 2, 2007

To earn CME/CE credit, complete the evaluation and post-test, answering 70 percent of the post-test questions correctly. Select the best answer and circle next to each question below. Please use all capital letters and print your name, address, and other information requested below. Keep a copy of the completed post-test and evaluation for your files.

Send originals to:

Medical Education Solutions Group (MESG), 5523 Research Park Drive, Suite 220, Baltimore, Maryland, 21228, or fax to (443) 543-5210 by October 2, 2007. Allow four to six weeks from receipt of post-test for delivery of certificate.

Contact information, degree, attestation, and signature required for certificate:

First/Last Name _____

Address 1 _____

Address 2 _____

City/State/Zip _____

Phone _____ E-mail _____

Degree: (please check)

- MD provide specialty _____ DO
- Pharm PharmD
- RN PhD MBA PA
- NP LPN Other _____

Nurses provide license # _____

Attestation of Credit:

Physicians

I claim .5 1.0 credit of *AMA PRA Category 1 Credit™*

Pharmacists

I claim 1.0 ACPE credit maximum

Nurses

I claim 1.2 ANCC credits maximum

How did you view the program?

- Satellite TV Web

Signature _____ Date _____

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What To Do When Seizures Won't Stop
CME/CE Post Test

Name _____

1. Which of the following statements about epilepsy are true?
 - a. It can have a variety of etiologies
 - b. It is characterized by recurrent, unprovoked seizures
 - c. The incidence of epilepsy is from 0.5 to 1%
 - d. All of the above

2. Which of the following is NOT an epilepsy classification
 - a. Generalized seizures
 - b. Symptomatic
 - c. Cryptogenic or "presumed symptomatic"
 - d. Idiopathic

3. What is the most common etiology of epilepsy?
 - a. Trauma
 - b. Infection
 - c. Idiopathic/cryptogenic
 - d. Neoplasia

4. Seizure types include which of the following
 - a. Generalized
 - b. Partial or focal
 - c. Spasms
 - d. A and B

5. Which of the following statements regarding catastrophic epilepsy is FALSE?
 - a. It involves severe and frequent refractory seizures
 - b. It is one epilepsy syndrome
 - c. Children have developmental delay
 - d. Typical onset is in the first year of life

6. In the scoring system for prediction of prognosis of epilepsy at the time of first diagnosis in childhood developed by Camfield et al., what is the cutoff total score for predicting that the child will have remission?
 - a. <10
 - b. 218
 - c. >495
 - d. 600

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What To Do When Seizures Won't Stop

CME/CE Post Test

Name _____

7. Which of the following statements about intractable epilepsy is FALSE?
 - a. It is defined as the failure of two or more drugs and at least one seizure per month over 18 months
 - b. Patients who are most likely to have intractable epilepsy have partial seizures
 - c. Patients who are most likely to have intractable epilepsy have a high initial seizure frequency
 - d. Patients who are most likely to have intractable epilepsy have focal EEG findings
8. Choices of therapy for patients with intractable epilepsy include which of the following?
 - a. Ketogenic diet
 - b. Resective surgery
 - c. Nonresective surgery
 - d. All of the above
9. What percentage of untreated epilepsy patients are seizure-free with the first agent used?
 - a. 4%
 - b. 13%
 - c. 47%
 - d. 80%
10. Which of the following statements are true?
 - a. Epilepsy surgery may lead to behavioral changes and loss of language, and/or strength
 - b. Epilepsy surgery provides patients with a better chance than medication for seizure freedom
 - c. Epilepsy surgery may allow patients to reduce or eliminate antiepileptic drugs
 - d. All of the above

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What To Do When Seizures Won't Stop
CME/CE Evaluation
Name _____

What To Do When Seizures Won't Stop CME/CE Evaluation

Release Date: October 3, 2006 Expiration Date: October 2, 2007

1. On a scale of 1 to 5, with 5 = "completely" and 1 = "not at all," please rate the extent to which you achieved the learning objectives:

1. Discuss the definition, epidemiology, and classification of epilepsy

<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Describe a scoring system for predicting prognosis at time of first seizure

<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Discuss the overall efficacy of medical therapy, the ketogenic diet, and surgery in the treatment of epilepsy

<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Please indicate the degree to which you agree or disagree with the following:

a. Activity was effective in meeting identified needs

Strongly <u>Agree</u>	<u>Agree</u>	<u>Disagree</u>	Strongly <u>Disagree</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

b. Format of activity enhanced achievement of learning objectives

Strongly	Strongly
----------	----------

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Agree

Agree

Disagree

Disagree

c. Activity was balanced and free of commercial bias

Strongly
Agree

Agree

Disagree

Strongly
Disagree

What To Do When Seizures Won't Stop
CME/CE Evaluation
Name _____

d. Activity will assist me in improving my professional effectiveness

Strongly
Agree

Agree

Disagree

Strongly
Disagree

3. How do you rank this educational activity overall on a scale of 1 to 5, with 5 being the highest?

5

4

3

2

1

4. As a result of participating in this educational activity, will you be making changes to your practice in a manner that improves patient care?

Yes No

Please explain: _____

5. Please rate James J. Riviello, Jr., MD on a scale of 1 to 5, with 5 being the highest.

Presentation Skills 5 4 3 2 1

Content 5 4 3 2 1

Balanced, Objective, Scientifically Rigorous 5 4 3 2 1

Do you feel this presentation was commercially biased in any manner?

yes

no

If yes, please describe: _____

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6. Please rate Joseph R. Madsen, MD on a scale of 1 to 5, with 5 being the highest.

- Presentation Skills 5 4 3 2 1
- Content 5 4 3 2 1
- Balanced, Objective, Scientifically Rigorous 5 4 3 2 1

What To Do When Seizures Won't Stop
CME/CE Evaluation
Name _____

Do you feel this presentation was commercially biased in any manner?

- yes no

If yes, please describe: _____

7. May we use your e-mail address to notify you of future continuing medical education activities?

- yes no e-mail: _____

8. What other clinical topics would you like to see discussed in future CME/CE activities?

9. As part of our ongoing continuous quality improvement effort, we conduct three month post-activity follow-up surveys to assess the impact of our CME/CE activities on your professional practice. Are you willing to participate in such a survey?

- Yes No

10. Would you be willing to participate in a phone call or in-person discussion exploring ways to improve our CME/CE activities?

- Yes No

11. Additional comments/questions:

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