



Update on Childhood Acute Lymphoblastic Leukemia (ALL)

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, Apr 18, 2006 1:00 PM to 2:00 PM
Thu, Apr 20, 2006 11:00 AM to 12:00 PM
Tue, Apr 25, 2006 12:00 PM to 1:00 PM
Thu, Apr 27, 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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2
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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 and 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.



CME/CE Information

Program Title

Update on Childhood Acute Lymphoblastic Leukemia (ALL)

Program Learning Objectives

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

- Give examples of different initial clinical manifestations, both common and uncommon, in the presentation of childhood leukemia.
- Describe initial diagnostic studies important in the evaluation of the child with suspected ALL.
- Cite the early management strategies commonly employed for children diagnosed with ALL.
- Identify and discuss those factors associated with a poor prognosis and those associated with a favorable prognosis in children with ALL.
- Identify cure rates and adverse effects associated with currently available therapies, and appreciate (give examples of) recent advances in the treatment of ALL.

Program Faculty

Lewis B. Silverman, MD

Assistant Professor of Pediatrics, Harvard Medical School

Assistant in Medicine (Hematology/Oncology), Children's Hospital Boston

Director, Jimmy Fund Clinic, Dana Farber Cancer Institute

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.

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.

04/06

5

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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

The leukemias make up approximately one third of all pediatric malignancies. Most (80%) leukemia is acute lymphoblastic leukemia (ALL), 17% is acute myeloid leukemia (AML), and the remaining 3% are rare forms of leukemia. The cure rate for ALL is approximately 80%. Physicians who care for children with leukemia should be aware of new diagnostic techniques and new medical therapies to treat children with ALL.

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 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 accreditation made possible through the cosponsorship of Medical Education Collaborative and MESG.



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6

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For CME/CE questions, contact Medical Education Solutions Group (MESG) at (443) 543-5205. For questions about nursing and pharmacy accreditation, contact Medical Education Collaborative at (303) 420-3252.

Credit Designation

Physicians

MESG designates this educational activity for a maximum of 1.0 category 1 credit per session toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent 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 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 #815-999-06-045-H01. The program is designed for all pharmacists.

Disclosure Policy

As a provider accredited by the ACCME, faculty members, authors,
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7
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planners, and managers who affect the content of a CME activity are required to disclose to MESG financial relationships they have with commercial interests associated with this CME activity of any amount over the past 12 months only.

Faculty Disclosure

Lewis B. Silverman, MD has reported no real or apparent conflicts to report.

MESG 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.

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

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8

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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.

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 MESH 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. MESH 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.

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



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.

For questions regarding the nursing or pharmacist accreditation, please contact Medical Educational Collaborative at 303.420.3252 or e-mail inquire@mecce.org.

**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, Apr 18, 2006 1:00 PM to 2:00 PM
Thu, Apr 20, 2006 11:00 AM to 12:00 PM
Tue, Apr 25, 2006 12:00 PM to 1:00 PM
Thu, Apr 27, 2006 2:00 PM to 3:00 PM

All times are Eastern time.

Expiration Date: April 17, 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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10
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Update on Childhood Acute Lymphoblastic Leukemia (ALL) CME/CE Post-Test

Release Date: April 18, 2006 Expiration Date: April 17, 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 April 17, 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 1.5 other # _____ credits of AMA PRA category 1 CME credit

Pharmacists

I claim 1.0 1.5 other # _____ CEUs of credit for pharmacists

Nurses

I claim 1.0 1.5 other # _____ contact hours of nursing credit

How did you view the program?

- Satellite TV Web

Signature _____ Date _____

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11
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Update on Childhood Acute Lymphoblastic Leukemia (ALL)
CME/CE Post-Test

Name _____

1. All of the following are true EXCEPT:
 - a. Leukemia is a clonal malignancy of blood precursor cells
 - b. In acute leukemia, there are greater than 25% malignant blast cells in bone marrow
 - c. In acute leukemia, there are rarely as many as 80% to 90% blast cells in the bone marrow
 - d. There are normally less than 5% blast cells in bone marrow

2. Leukemia accounts for what percentage of childhood cancers?
 - a. 11%
 - b. 32%
 - c. 43%
 - d. 56%

3. Causes of ALL include all of the following EXCEPT
 - a. Exposure to radiation
 - b. Down Syndrome
 - c. Familial Cancer Syndromes
 - d. No known cause

4. Signs and symptoms of ALL include which of the following?
 - a. Anemia with pallor and decreased energy
 - b. Fever
 - c. Bone pain
 - d. A, B, and C

5. Initial management of ALL includes all of the following EXCEPT
 - a. Create a plan to see patient weekly as an outpatient
 - b. Refer to Emergency Department or Pediatric Oncology
 - c. Assess for possible infection
 - d. Assess need for transfusions

6. Medical emergencies that may be associated with ALL include which of the following?
 - a. Anemia with a need for transfusions
 - b. Disseminated intravascular coagulation with potential for life-threatening bleeding
 - c. Tumor lysis syndrome
 - d. A, B, and C

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12
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Update on Childhood Acute Lymphoblastic Leukemia (ALL)

CME/CE Post-Test

Name _____

7. Tests that should routinely be obtained in patients newly-diagnosed with ALL include all of the following EXCEPT
 - a. CBC with differential
 - b. Serum electrolytes, BUN, creatinine, phosphorus, uric acid
 - c. ECG
 - d. Chest X-ray

8. The probability of event-free survival for childhood ALL has increased from about 8% in the 1950s to about 83% in the 1990s
 - a. True
 - b. False

9. In the Dana Farber Cancer Institute ALL Consortium Risk Group Criteria, which of the following is NOT a high-risk criterion?
 - a. Age less than 1 or 10 years or older
 - b. WBC count greater than or equal to 50K
 - c. Phenotype of B cell lineage
 - d. Presence of CNS blasts

10. Toxicities of therapies for ALL include which of the following?
 - a. Acute infections
 - b. Acute seizures
 - c. Long-term cardiac effects
 - d. A, B, and C



Update on Childhood Acute Lymphoblastic Leukemia (ALL) CME/CE Evaluation

Release Date: April 18, 2006 Expiration Date: April 17, 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:

a. Give examples of different initial clinical manifestations, both common and uncommon, in the presentation of childhood leukemia.

5 4 3 2 1

b. Describe initial diagnostic studies important in the evaluation of the child with suspected ALL.

5 4 3 2 1

c. Cite the early management strategies commonly employed for children diagnosed with ALL.

5 4 3 2 1

d. Identify and discuss those factors associated with a poor prognosis and those associated with a favorable prognosis in children with ALL.

5 4 3 2 1

e. Identify cure rates and adverse effects associated with currently available therapies, and appreciate (give examples of) recent advances in the treatment of ALL.

5 4 3 2 1

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

a. Activity was effective in meeting identified needs

Strongly
Agree Agree Disagree Disagree

b. Format of activity enhanced achievement of learning objectives

Strongly Strongly

04/06

14
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Agree

Agree

Disagree

Disagree

Update on Childhood Acute Lymphoblastic Leukemia (ALL)
CME/CE Evaluation
Name _____

c. Activity was balanced and free of commercial bias

Strongly
Agree

Agree

Disagree

Strongly
Disagree

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 the faculty presenter(s) 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: _____



Update on Childhood Acute Lymphoblastic Leukemia (ALL)

CME/CE Evaluation

Name _____

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

yes

no

e-mail: _____

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

8. 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

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

Yes

No

10. Additional comments/questions:

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16
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