About the Course

Once considered as an orphan disease, myelodysplastic syndrome (MDS) with an estimated 12,000 to 15,000 new cases diagnosed annually in the United States, has a prevalence worldwide ranging from 300,000-400,000. Due to the growing risk of this disease with advancing age, its prevalence is rising coincident with the increasing life expectancy of the US population. Clinically, this prototypical age-related malignancy is characterized by multi-lineage cytopenias that contribute to both morbidity and mortality through escalating blood product transfusion-dependence, iron overload, excessive risk of infection or hemorrhage, and transformation to acute myeloid leukemia (AML).

This meeting will include discussions by international experts in basic and translational science, epidemiology, and therapeutic approaches to the myelodysplastic syndromes and related bone marrow failure syndromes.

Clinical hematologists and medical oncologists and those in the hematology/medical oncology scientific community should attend this course.

Learning Objectives

Upon completion of this activity, the participant will be able to:

- Describe the purported underlying pathophysiology of bone marrow failure syndromes
- Recognize how the molecular biology of MDS influences the disease course and outcome
- Describe therapies for low-risk and high-risk MDS
- Review the mechanisms of action of various MDS therapies

Program Location

InterContinental Hotel & Bank of America Conference Center
9801 Carnegie Avenue
Cleveland, OH 44195
Phone: (877) 707-8999

Special Room Rates

A block of rooms has been reserved at the InterContinental Hotel & Bank of America Conference Center for the rate of $159 plus tax per night. To make reservations, please call the InterContinental Hotel at (216) 707-4000 or toll free (877) 707-8999. Ask for the room rate for the MDS Summit. Reservations must be made by August 13, 2007 to guarantee this rate.

Accreditation

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this educational activity for a maximum of 11.0 AMA PRA Category 1 credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This activity may be submitted for American Osteopathic Association Continuing Medical Education credit in Category 2.
Faculty Disclosure

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

Registration and Cancellation

Pre-registrations are accepted until 5:00 pm EST on September 3, 2007. You can register online at www.clevelandclinicmeded.com/MDS07 or by faxing the registration form to (216) 445-9406. In case of cancellation, a full refund will be made if cancelled by August 31, 2007. After August 31, 2007, a $50 cancellation fee will be deducted from your refund. Written notification is required in order to process your refund. No refunds will be issued after September 7, 2007.

Grantor Acknowledgements

The Cleveland Clinic Foundation Center for Continuing Education and the Taussig Cancer Center acknowledge education grants for partial support of this activity from:

- Amgen
- Genzyme
- Ortho Biotech
- Celgene
- MGI Pharma
- Pharmion

Course Co-Directors

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  Department of Hematologic Oncology and Blood Disorders
  Cleveland Clinic
- Mikkael Sekeres, MD, MS
  Department of Hematologic Oncology and Blood Disorders
  Cleveland Clinic

Faculty

- Benjamin Ebert, MD
  Dana Farber Cancer Institute
  Boston, MA
- Elihu Estey, MD
  MD Anderson Cancer Center
  Houston, TX
- Aristoteles Giagounidis, MD
  St. Johannes Hospital
  Duisburg, Germany
- Timothy Graubert, MD
  Washington University School of Medicine
  St. Louis, MO
- Ruben Mesa, MD
  Mayo Clinic
  Rochester, MN
- Jeffrey Molldrem, MD
  MD Anderson Cancer Center
  Houston, TX
- Ghulam Mufti, MD
  Kings College Hospital
  London, UK
- Yogen Saunthararajah, MB, BCh
  University of Chicago
  Chicago, IL
- Richard Stone, MD
  Dana Farber Cancer Institute
  Boston, MA
- Neal Young, MD
  National Heart, Lung, and Blood Institute
  Bethesda, MD

register online:
www.clevelandclinicmeded.com/MDS07
## Agenda

InterContinental Hotel and Bank of America Conference Center

### Thursday, September 6, 2007

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am</td>
<td>Registration/Continental Breakfast</td>
<td>12:40 pm</td>
<td>Lunch</td>
</tr>
<tr>
<td>8:00 am</td>
<td><strong>Introduction/Welcome</strong></td>
<td>1:40 pm</td>
<td><strong>Pathogenetic Pathways in MDS and Its Transformation to AML</strong></td>
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<tr>
<td></td>
<td>Jaroslaw Maciejewski, MD, PhD</td>
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<td>Yogen Saunthararajah, MB, BCh</td>
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<td>Mikkael Sekeres, MD, MS</td>
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<tr>
<td>8:10 am</td>
<td><strong>Epidemiology and Response Criteria of MDS</strong></td>
<td>2:30 pm</td>
<td><strong>Cytogenic and Epigenetic Lesions in MDS as a Target for Rational Therapies</strong></td>
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<td></td>
<td>Elihu Estey, MD</td>
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<td>Ghulam Mufti, MD</td>
</tr>
<tr>
<td>9:00 am</td>
<td><strong>Genomic Approaches to the Diagnosis and Pathophysiology of MDS</strong></td>
<td>3:20 pm</td>
<td>Break</td>
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<tr>
<td></td>
<td>Jaroslaw Maciejewski, MD, PhD</td>
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<tr>
<td>9:50 am</td>
<td>Break</td>
<td>3:40 pm</td>
<td><strong>Classification and Prognosis</strong></td>
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<td>Aristoteles Giagounidis, MD</td>
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<tr>
<td>10:10 am</td>
<td><strong>Immune Pathophysiology/Pathogenesis of MDS</strong></td>
<td>4:30 pm</td>
<td><strong>Molecular Pathogenesis and Signal Transduction Dysfunction in MDS</strong></td>
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<tr>
<td></td>
<td>Jeffrey Molldrem, MD</td>
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<td>Benjamin Ebert, MD</td>
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<tr>
<td>11:00 am</td>
<td><strong>Decision Analyses for Low-Risk MDS</strong></td>
<td>5:20 pm</td>
<td>Adjourn</td>
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<tr>
<td></td>
<td>Mikkael Sekeres, MD, MS</td>
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<tr>
<td>11:50 am</td>
<td><strong>Immunomodulation and Therapy for Low-Risk MDS</strong></td>
<td>6:00 pm</td>
<td>Reception</td>
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<td></td>
<td>Richard Stone, MD</td>
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<td>Foundation House</td>
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<td>Shuttle will leave from lobby of InterContinental Hotel</td>
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### Friday, September 7, 2007

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:30 am</td>
<td>Registration/Continental Breakfast</td>
<td>10:50 am</td>
<td>The Spectrum of MPD/MDS Overlap Syndromes: Implications for Diagnosis and Therapy</td>
</tr>
<tr>
<td>8:00 am</td>
<td><strong>From MDS to AML, Therapeutic Approaches, Including Bone Marrow Transplantation</strong> TO BE ANNOUNCED</td>
<td></td>
<td>Ruben Mesa, MD</td>
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<tr>
<td>8:50 am</td>
<td><strong>Genomics of Myelodysplastic Syndrome</strong></td>
<td>11:40 am</td>
<td>Closing Remarks/Discussion</td>
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<td></td>
<td>Timothy Graubert, MD</td>
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<td>Mikkael Sekeres, MD, MS</td>
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<td>Jaroslaw Maciejewski, MD, PhD</td>
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<tr>
<td>9:40 am</td>
<td>Break</td>
<td>12:00 pm</td>
<td>Adjourn</td>
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<tr>
<td>10:00 am</td>
<td><strong>Stem Cells and Clonality in Bone Marrow Failure</strong></td>
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<td>Neal Young, MD</td>
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Time will be allotted following each presentation for Questions and Answers.
Cleveland Clinic
Myelodysplastic Syndrome Summit
September 6–7, 2007
InterContinental Hotel & Bank of America Conference Center
9801 Carnegie Avenue
Cleveland, Ohio

Fees:
- Physicians/Scientists $200
- Nurses/Residents or Fellows*/Others $100
- Cleveland Clinic Alumnus or Cleveland Clinic Health System Physician Organization $120
- Comprecare Affiliate $130 Member ID# ___________________________

*A letter from Program Director for residents and fellows must accompany registration.
Registration fee includes: Syllabus, Continental Breakfast, Lunch, Reception and Breaks

To register online:
www.clevelandclinicmeded.com/MDS07

Once you register online, please do not mail or fax in a registration form. Payment must be received prior to admittance to the course. Purchase orders not accepted.

Please Type or Print Clearly

Name (First, Last) ____________________________________________________ Degree ______________________

Address _____________________________________________________________________

City _____________________________________________ State ________________ Zip ______________

Office Phone ___________________________________ Fax _______________________________

Specialty ____________________________ Email __________________________________________

Amount enclosed or to be charged: $ ________________

I will attend the Thursday reception

Make check payable to: The Cleveland Clinic
Or charge the following account:

- Visa  - MasterCard  - American Express  - Discover  3-digit V-code: ______________________

Card Number: ___________________________________________ Expiration Date: ________________

Signature: ____________________________________________

(not valid without signature)

Mailing Address: The Cleveland Clinic Educational Foundation, PO Box 931653, Cleveland, OH 44193-1082
Fax Number: (216) 445-9406

If you have special needs, please contact Sheryl Krall at (216) 444-7924 at least two weeks prior to the course.
Myelodysplastic Syndrome Summit
Cleveland Clinic

September 6–7, 2007