Infectious Diseases in Adults

May 2–6 2016
Boston, MA

This program is among the highest-rated Harvard Medical School CME courses

Prevention
2016 updates for diagnosis and treatment of common, complex, and emerging infectious diseases

Guidance to prevent and detect infections in travelers and immigrants

Detection
Instruction for detecting and addressing rare and “don’t-miss” infectious diseases

Diagnosis
Criteria and strategies for optimal clinical decision making

Treatment
Best practices for safety and practice improvement

Register at ID.HMSCME.com
Learning Objectives

Upon completion of this course, participants will be able to:

• Improve knowledge and clinical skills in Infectious Diseases

• Utilize the latest strategies for the prevention, recognition, diagnosis, and treatment of important syndromes in Infectious Diseases

• Determine a differential diagnosis and initiate an appropriate diagnostic evaluation for the major infectious disease-related problems in clinical practice

• Analyze relevant areas of basic science to enable both the comprehension and the application of future discoveries to patient care

Course Description

Infectious Diseases in Adults provides state-of-the-art information in the prevention, diagnosis, and management of important infectious diseases. This highly rated course focuses on major clinical syndromes as well as management controversies in infectious disease. Topics with major impact on clinical practice are emphasized, including: antibiotic resistance, sexually transmitted diseases, endocarditis, vaccination, hospital epidemiology, infections in pregnancy, zoonotic infections, parasitology, tuberculosis, molecular diagnostics, and pandemic influenza. The care of the patient with HIV/AIDS is discussed in detail: the biology of the infection, epidemiology, antiviral therapies, ambulatory management, and the prevention and treatment of opportunistic infections. The management of infections in immunocompromised hosts will be reviewed. Emphasis is placed on recent developments, including the newer antibiotics and vaccines, antiviral and antiparasitic agents, new diagnostic techniques, and recommendations for prophylaxis in travelers.
Common Infectious Diseases: Updates in Prevention, Diagnosis and Treatment

Updates that ensure you are current with new strategies, best practices and 2016 guidelines for addressing:

- Infections in immunocompromised hosts
- Skin and soft tissue infections
- Endocarditis, urinary tract infections, C. difficile colitis, and tuberculosis
- Bone and joint infections
- Sexually transmitted infections, including new guidelines
- ENT infections
- Pneumonia
- Lyme and other tick-borne diseases
- HIV infection and its complications
- PEP (Post-Exposure Prophylaxis) and PrEP (Pre-Exposure Prophylaxis) to prevent HIV infection
- Vaccinations
- Hepatitis C

Challenging, Rare, and Emerging Infectious Diseases

Comprehensive updates on:

- Ebola, MERS, and other emerging infectious diseases
- Infections in travelers and immigrants
- Zoonoses in the US—the old and the new
- Re-emergence of vaccine-preventable diseases in the United States
- Non-tuberculous (“atypical”) mycobacteria
- Eye infections: what you need to know

Clinical Decision Making

Hear directly from world-renowned specialists and master clinicians on their approach and decision-making criteria for:

- Antimicrobial usage
- Selecting and utilizing newer diagnostic tests for infectious disease
- Diagnosing the low-probability but high-impact infections
- Early detection of life-threatening infections
- Determining when to hospitalize vs. treat as an outpatient
- Rational empiric antimicrobial therapy of serious infections: when and how to start, and when to narrow or stop
- Is it viral or bacterial? Key factors to consider

Safety, Quality, and Practice Improvement

Special sessions on safety, quality, and value added by ID specialists

- Antimicrobial stewardship
- Infection control
- Early inpatient ID consultations to reduce mortality, length of stay, and costs
- Outpatient Parenteral Antibiotic Therapy (OPAT): best practices in design and operation of successful OPAT programs
- ID for hospital medicine practices
### AGENDA

<table>
<thead>
<tr>
<th><strong>SUNDAY, MAY 1</strong></th>
<th><strong>TUESDAY, MAY 3</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 pm – 9:00 pm</td>
<td>6:45 am - 8:30 am</td>
</tr>
<tr>
<td>Pre-registration</td>
<td>Continental breakfast served</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>MONDAY, MAY 2</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am - 8:00 am</td>
</tr>
<tr>
<td>Registration (continental breakfast served)</td>
</tr>
<tr>
<td>8:00 am - 8:20 am</td>
</tr>
<tr>
<td>Introduction and Road Map Nesli Basgoz, MD</td>
</tr>
</tbody>
</table>

**Session 1 • 8:20 am – 12:10 pm**

Moderator: Dr. Nesli Basgoz

- **Review of Major Antimicrobial Classes and Empiric Therapy: 2016** Alyssa R. Letourneau, MD, MPH
- **Q & A Session**
- **Update on New Antibiotics for Resistant Gram Positive Infections** David C. Hooper, MD
- **Q & A Session**
- **Coffee Break**
- **Update on New Antibiotics for Resistant Gram Negative Infections** David C. Hooper, MD
- **Q & A Session**
- **New Approaches to Infection Control and Antimicrobial Stewardship** Erica S. Shenoy, MD, PhD
- **Q & A Session**

12:10 pm - 1:30 pm

**Lunch Break**

**Session 2 • 1:30 pm – 5:05 pm**

Moderator: Dr. Nesli Basgoz

- **Cases in Sepsis and Highly Resistant Bacterial Infections** Alyssa R. Letourneau, MD, MPH
- **Q & A Session**
- **Treatment of Herpes and Influenza Virus Infections** Martin S. Hirsch, MD
- **Q & A Session**
- **Coffee Break**
- **Advances in Hepatitis C Monoinfection** Arthur Kim, MD
- **Q & A Session**
- **Bites, Scratches, and Rabies** Nesli Basgoz, MD
- **Q & A Session**

<table>
<thead>
<tr>
<th><strong>Session 3 • 8:00 am – 12:15 pm</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Moderator: Dr. Sandra B. Nelson</strong></td>
</tr>
</tbody>
</table>

- **Skin and Soft Tissue Infections: Diagnostic and Treatment Approaches** Sandra B. Nelson, MD
- **Q & A Session**
- **Eye and ENT Infections: What You Need to Know** Miriam B. Barshak, MD
- **Q & A Session**
- **Coffee Break**
- **Advances in Hepatitis C Monoinfection** Arthur Kim, MD
- **Q & A Session**
- **Meningitis** Vincent J. Quagliarello, MD
- **Q & A Session**
- **Pneumonia** Benjamin T. Davis, MD
- **Q & A Session**

12:15 pm - 1:30 pm

**Lunch Break**

**Session 4 • 1:30 pm – 5:30 pm**

Moderator: Dr. Rajesh T. Gandhi

- **Encephalitis and Healthcare-Associated CNS Infections: Guidelines and Best Practices** Allan R. Tunkel, MD, PhD, MACP
- **Q & A Session**
- **Updates in Endocarditis including New Guidelines** Stephen B. Calderwood, MD
- **Q & A Session**
- **Coffee Break**
- **Clostridium Difficile Infection including Recurrent and Refractory Disease and Novel Approaches** Elizabeth Hohmann, MD
- **Q & A Session**
- **Sexually Transmitted Infections: Clinical Pearls and New Treatment Guidelines** Donna Felsenstein, MD

**DISCLOSURE POLICY:** Harvard Medical School (HMS) adheres to all ACCME Essential Areas, Standards, and Policies. It is HMS’s policy that those who have influenced the content of a CME activity (e.g., planners, faculty, reviewers, and others) disclose all relevant financial relationships with commercial entities so that HMS may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.
AGENDA

Wednesday, May 4

6:45 am - 8:30 am  Continental breakfast served

**Session 5 • 8:00 am – 12:30 pm**
Moderator: Dr. Rajesh T. Gandhi

- Challenges in Acute HIV Infection and HIV Testing  
  Nesli Basgoz, MD  
  Q & A Session

- HIV Management 2016: Initial Approach and Treatment  
  Rajesh T. Gandhi, MD  
  Q & A Session

- Recent Advances in HIV and What's on the Horizon  
  Rajesh T. Gandhi, MD  
  Q & A Session

Coffee Break

- Immunocompromised Host and Infections in Hematologic Malignancies  
  Sarah Hammond, MD  
  Q & A Session

- Update on Antifungal Diagnostics and Therapy  
  Dimitrios Kontoyiannis, MD, ScD, FACP, FIDSA  
  Q & A Session

12:30 pm - 1:45 pm  Lunch Break

**Session 6 • 1:45 - 5:30 pm**
Concurrent Specialty Sessions

**Session 1: HIV**
Moderator: Dr. Rajesh T. Gandhi

- Continuing Challenges in HIV-Associated Opportunistic Infections  
  Nesli Basgoz, MD  
  Q & A Session

- Pre- and Post-Exposure Prophylaxis for HIV  
  Kevin L. Ard, MD, MPH  
  Q & A Session

Coffee Break

- Advances in the Prevention and Treatment of HPV Disease  
  Benjamin T. Davis, MD  
  Q & A Session

- Rapidly Evolving Landscape of HIV/HCV Coinfection  
  Arthur Kim, MD  
  Q & A Session

- Our Most Difficult HIV Cases and What We Learned from Them — Panel Discussion  
  Moderated by Rajesh T. Gandhi, MD  
  Q & A Session

**Session 2: Non-HIV Immunocompromised Host**
Moderator: Dr. Sandra B. Nelson

- Infections in Stem Cell Transplant Recipients  
  Sarah Hammond, MD  
  Q & A Session

- Infections in Solid Organ Transplant Recipients  
  Camille Nelson Kotton, MD  
  Q & A Session

Coffee break

- Infections in Patients on Immunomodulatory Therapy  
  Camille Nelson Kotton, MD  
  Q & A Session

- My Most Difficult Cases in Immunocompromised Hosts and What I Learned from Them  
  Dimitrios Kontoyiannis, MD, ScD, FACP, FIDSA  
  Q & A Session

5:30 pm - 7:15 pm  Reception for all course participants  
Network with your colleagues and course faculty

Program changes/substitutions may be made without notice.

To view the most up-to-date version of the course program, please visit the course website.
The Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The Harvard Medical School designates this live activity for a maximum of 35.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**RISK MANAGEMENT**
This activity meets the criteria of the Massachusetts Board of Registration in Medicine for 2.0 credits of Risk Management Study. Please check your individual state licensing board requirements before claiming these credits.

**INTERNATIONAL ACCREDITATIONS**
The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held outside of Canada that are developed by a university, academy, hospital, specialty society or college as accredited group learning activities. Through an agreement between the American Medical Association and the European Union of Medical Specialists, physicians may convert AMA PRA Category 1 Credits™ to an equivalent number of European CME Credits® (ECMECs®). Information on the process of converting AMA PRA Category 1 Credits™ to ECMECs® can be found at: www.eaccme.eu.

**ACGME Competencies**
This course is designed to meet the following Accreditation Council of Graduate Medical Education competencies: patient care, medical knowledge, and interpersonal and communications skills.

### Thursday, May 5

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:45 am - 8:30 am</td>
<td>Continental breakfast served</td>
</tr>
<tr>
<td>7:00 am - 7:50 am</td>
<td><strong>Breakout Session: Challenging ID Cases from Course Participants</strong></td>
</tr>
<tr>
<td></td>
<td>Sandra B. Nelson, MD</td>
</tr>
<tr>
<td>Q &amp; A Session</td>
<td></td>
</tr>
</tbody>
</table>

**Session 7 • 8:00 am – 12:15 pm**
Moderator: Dr. Nesli Basgoz

- **ID Images: An Interactive Case-Based Discussion**
  Rajesh T. Gandhi, MD
- Q & A Session
- **Tuberculosis Update**
  Rocio Hurtado, MD, DTM&H
- Q & A Session
- **Nontuberculous Mycobacteria and Bronchiectasis**
  Nesli Basgoz, MD
- Q & A Session
- Coffee Break
- **Native Bone and Joint Infections: Age-Old Problems and New Guidelines**
  Sandra B. Nelson, MD
- Q & A Session
- **Orthopedic Device Infections**
  Sandra B. Nelson, MD
- Q & A Session
- 12:15 pm - 1:30 pm
  Lunch Break

**Session 8 • 1:30 pm – 5:15 pm**
Moderator: Dr. Sandra B. Nelson

- **Tropical Medicine and Parasitology**
  Edward T. Ryan, MD
- Q & A Session
- **Immunizations and Travel Medicine in 2016**
  Edward T. Ryan, MD
- Q & A Session
- Coffee Break
- **Ehrlichial and Rickettsial Infections**
  Daniel J. Sexton, MD
- Q & A Session
- **Lyme and Other Tick-Borne Illnesses: What You Need to Know**
  Howard M. Heller, MD, MPH
- Q & A Session

### Friday, May 6

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:45 am - 8:00 am</td>
<td>Continental breakfast served</td>
</tr>
</tbody>
</table>

**Session 9 • 8:00 am – 12:30 pm**
Moderator: Dr. Nesli Basgoz

- **Curbside Consults**
  Paul E. Sax, MD
- Q & A Session
- **New and Emerging Viruses (including Ebola)**
  Martin S. Hirsch, MD
- Q & A Session
- **Urinary Tract Infections: The Common and the Complicated**
  Sigal Yawetz, MD
- Q & A Session
- Coffee Break
- **Zoonoses**
  Jane E. Koehler, MD
- Q & A Session
- **Update on Molecular Diagnostics for Infectious Diseases**
  Angela M. Calliendo, MD, PhD
- Q & A Session
- 12:30 pm Adjourn
Infectious Diseases in Adults 2016
(Course #732580-1602)

Register online at ID.HMSCME.com

<table>
<thead>
<tr>
<th>Course Tuition</th>
<th>Register on or before March 31, 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td></td>
</tr>
<tr>
<td>Physicians</td>
<td>$1,345</td>
</tr>
<tr>
<td></td>
<td>$1,245 (Save $100)</td>
</tr>
<tr>
<td>Allied Health Professionals</td>
<td>$1,095</td>
</tr>
<tr>
<td></td>
<td>$995 (Save $100)</td>
</tr>
<tr>
<td>Residents and Fellows in Training</td>
<td>$895</td>
</tr>
</tbody>
</table>

Fees shown in USD. Course tuition includes all sessions, the course syllabus on a flash drive, continental breakfast, morning and afternoon refreshments, and a special reception on Wednesday evening.

When you register for the course, you can indicate that you would like one hard copy of the two-volume syllabus, in addition to the flash drive, at an additional cost of $50.

Registration, Payment, Confirmation and Refund Policy
Registrations for Harvard Medical School CME programs are made via our secure online registration system. To register for this course, please visit the course website.

At the end of the registration process, a $5 processing fee will be added to your registration, and you will have the choice of paying by check or credit card (Visa, MasterCard, or American Express). If you are paying by check, the online registration system will provide you with instructions and a printable form for remitting your course fees by check. Postal, telephone, fax, and cash-payment registrations are not accepted.

Upon receipt of your paid registration, an email confirmation from the HMS DCE office will be sent to you. Be sure to include an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate. Refunds, less an administrative fee of $75, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by postal mail, email, or fax. No refund will be issued should cancellation occur less than two weeks prior. “No shows” are subject to the full course fee and no refunds will be issued once the conference has started.

VENUE
The Fairmont Copley Plaza Hotel
138 St. James Avenue
Boston, Massachusetts
+1 617-267-5300

ACCOMMODATIONS
A limited number of rooms have been reserved at the Fairmont Copley Plaza Boston until April 9, 2016. When you call the Global Reservations Centre at 1-800-441-1414 to make a room reservation, please specify that you are enrolled in this activity to receive the reduced room rate.

Please do not make non-refundable travel arrangements until you have received an email from the HMS DCE office confirming your paid registration.

INQUIRIES
Call 617-384-8600 Mon-Fri 9am – 5pm EST. Send e-mail to CEPrograms@hms.harvard.edu.

Register at ID.HMSCME.com