

IAS—USA Educational and Informational Effort: 2010 Summary

I. 18TH ANNUAL IAS—USA “*IMPROVING THE MANAGEMENT OF HIV DISEASE*” COMPREHENSIVE EDUCATIONAL EFFORT: YEAR-TO-DATE SUMMARY

The 2010 IAS—USA “*Improving the Management of HIV Disease*” national, multifaceted educational effort (its 18th year), had 4 general activity types, which included:

-*Advanced Continuing Medical Education (CME) Courses in HIV Pathogenesis, Antiretrovirals, and Other Selected Issues in HIV Disease Management*: Live, full-day, advanced CME courses.

-*Webcasts and Podcasts*: IAS—USA live courses are archived into Webcasts and Podcasts, allowing HIV clinicians who are unable to attend, including HIV clinicians around the world, to access the advanced, clinically relevant material that is presented at courses.

-*Cases on the Web (COW)*: A series of interactive, case-based internet activities that are available to HIV clinicians worldwide for CME credit

-*Topics in HIV Medicine (THM)*: A peer-reviewed, indexed journal that publishes articles that review specific, relevant areas in HIV medicine. Many of the articles are drawn from the live CME course presentations. *THM* is distributed to approximately 12,000 clinicians and others interested in HIV medicine and is published 5 or 6 times per year.

These activities were designed for physicians with a solid, working knowledge of HIV disease management who provide comprehensive or specialty care or are involved in HIV/AIDS clinical trials/investigations. They were also relevant for other practitioners involved in HIV/AIDS care, including nurse practitioners, nurses, physician assistants, and pharmacists.

Following is a summary of each type of activity.

Advanced CME Courses In HIV Pathogenesis, Antiretrovirals, and Other Selected Issues In HIV Disease Management

Seven live, full-day, advanced-level courses were sponsored in 2010. The speakers for each course were renowned national and local authorities on HIV/AIDS pathogenesis and clinical management. The topics were determined based on detailed needs assessments of the target audience by the IAS—USA and the course chairs. Core topics included issues in HIV pathogenesis, strategies for initiating antiretroviral therapy, strategies for managing antiretroviral failure (initial, late, and complicated), uses and interpretation of drug resistance testing, and newly approved HIV drugs. To tailor the program to educational needs of the regions, the agenda also included topics such as HIV and aging, HIV and hepatitis C or B virus coinfections, malignancies in HIV, managing HIV and opportunistic infections, and metabolic complications of HIV disease, retention of care, issues in substance abuse, among others.

Course formats included didactic lectures, case-based interactive sessions, question-and-

answer sessions, interactive touch pad system questions, panel discussions, and informal discussions with the faculty.

Dates	Locations	Cochairs	Approximate Number of Clinician Attendees*
March 2, 2010	Atlanta, GA Hyatt Regency	Michael S. Saag, MD Jeffrey L. Lennox, MD	342
March 10, 2010	Los Angeles, CA Renaissance Hollywood	Ronald T. Mitsuyasu, MD Constance A. Benson, MD, FACP	178
March 22, 2010	New York, NY Grand Hyatt	Gerald H. Friedland, MD Paul A. Volberding, MD	450
April 19, 2010	Chicago, IL Marriott Downtown	John P. Phair, MD Paul A. Volberding, MD	243
May 17, 2010	San Francisco, CA Grand Hyatt	Robert T. Schooley, MD Stephen E. Follansbee, MD	222
June 17, 2010	Washington, DC Capital Hilton	Henry Masur, MD Michael S. Saag, MD	210
October 5, 2010	New York, NY Marriott Marquis	Roy M. Gulick, MD, MPH Judith A. Aberg, MD	432

* Does not include faculty, funder representatives, or staff.

On the whole, the health care practitioners who attended these courses were experienced HIV clinical decision makers (see below). Approximately 66% of the attendees held an advanced medical degree or license (MD, NP, PA). The health care practitioners who attend these courses manage sizable case loads of HIV-infected patients (57% of the audience manages more than 50 HIV-infected patients and 76% manage more than 15 patients).

The following data reflect answers received via an audience response system (ARS) to questions posed during the 7 live courses held in 2010.

Compilation of Clinical/Academic Training Background of Approximately 1089 Clinician Attendees of 7 Live Courses in 2010

Medical doctor	47.87%
Nursing professional	15.24%
Nurse practitioner	13.96%
Public health professional	4.59%
Physician assistant	4.59%
Pharmacist	6.15%
Health educator/counselor	4.53%

Other	3.07%
Total	100%

Number of HIV-Infected Patients Managed by Approximately 1008* Clinician Attendees of 7 Live Courses in 2010

None	10.22%
1-4	4.17%
5-10	2.18%
11-15	7.24%
16-50	19.15%
51-100	19.74%
101-300	22.02%
301-500	11.61%
More than 500	3.67%
Total	100%

Evaluation instruments included a detailed evaluation form given to participants at the activity, ARS knowledge testing, pre- and postactivity tests, and declaration of specific practice changes that resulted from attendance at the activity. The table below summarizes the mean score for selected important aspects over all 7 courses.

**Compilation of Overall Evaluation Summaries from 7 Live Courses in 2010
(Approximately 1645* clinicians attended and 1117 evaluation forms were returned)**

	Number who responded						Totals	Mean Score*
	Excellent	Very Good	Good	Fair	Poor			
How well were the course objectives met?	602	343	43	2	0	990	1.43	
Educational Value of Activity Overall	664	287	42	5	0	998	1.38	
Selection of topics	573	301	94	17	3	988	1.55	
Content	609	305	62	6	2	984	1.46	
Value to your practice or responsibility	560	311	85	8	3	967	1.53	
Commercial Support Your assessment of the independence of the overall program content	675	219	45	7	6	952	1.36	

* Key: 1 = Excellent, 2 = Very Good, 3 = Good, 4 = Fair, 5 = Poor

*Not all clinicians complete the audience response system (ARS) surveys.

Cases on the Web

Cases on the Web is a series of interactive, case-based internet activities available to HIV clinicians worldwide for CME credit. It is available on the IAS—USA Web site at www.iasusa.org/cow.

The *COW* effort is guided by an 8-member Editorial Board. The *COW* Editorial Board includes Michael S. Saag, MD; Meg D. Newman, MD; Judith A. Aberg, MD; Roger J. Bedimo, MD, MS; Marshall J. Glesby, MD, PhD; Paul E. Sax, MD; Steven C. Johnson, MD; and Harry W. Lampiris, MD.

In 2010, there were 81,026 unique visits to the *COW* tool. A record 30 *COW* activities were offered for CME credit; of this number, 7 were new activities. The list below provides summaries of learner evaluations for these new *COW* presentations.

Released: December 20, 2010

Presentation 55: HIV and Hepatitis B Virus Coinfection

Elizabeth Reddy, MD, and Susanna Naggie, MD

Unique visits to date: 292

Will influence practice decisions? 54.05% Likely/35.14% definitely/10.81% unlikely

Average rating for meeting objective: 1.64

**Mean: 1 = excellent, 5 = poor*

Released: November 10, 2010

Presentation 54: Treatment of Opioid Dependence in Patients with HIV/AIDS

Hillary Kunins, MD, MPH, MS, and Chinazo Cunningham, MD, MS

Unique visits to date: 573

Will influence practice decisions? 59.57% Likely/26.6% definitely/13.83% unlikely

Average rating for meeting objective: 1.54

**Mean: 1 = excellent, 5 = poor*

Released: August 11, 2010

Presentation 53: Management of Depression and Alcohol Dependence in an HIV/HCV Coinfected Patient

Gareen Hamalian, MD, MPH, and Joseph Z. Lux, MD

Unique visits to date: 692

Will influence practice decisions? 55.88% likely/ 30.88% definitely/ 11.13.24% unlikely

Average rating for meeting objective: 1.42

**Mean: 1 = excellent, 5 = poor*

Released: August 10, 2010

Presentation 52: Human Papillomavirus Infection in the HIV-Infected Woman

Erna Milunka Kojic, MD, and Susan Cu-Uvin, MD

Unique visits to date: 863

Will influence practice decisions? 58.49% likely/ 33.02% definitely/ 8.49% unlikely

Average rating for meeting objective: 1.57

**Mean: 1 = excellent, 5 = poor*

Released: July 1, 2010

Presentation 51: Care of HIV-Infected Women During Pregnancy

Deborah Cohan, MD, MPH

Unique visits to date: 1720

Will influence practice decisions? 61.88% likely/ 28.25% definitely/ 9.87% unlikely
Average rating for meeting objective: 1.5
**Mean: 1 = excellent, 5 = poor*

Released: June 23, 2010

Presentation 50: Viral Blips in the HIV-Infected Patient

Timothy J. Henrich, MD, and Daniel R. Kuritzkes, MD

Unique visits to date: 1403

Will influence practice decisions? 60.45% likely/ 32.2% definitely/ 7.34% unlikely

Average rating for meeting objective: 1.5

Topics in HIV Medicine

The IAS–USA publishes this peer-reviewed, indexed journal in which specific, relevant areas in HIV medicine are reviewed. It is distributed to the IAS–USA in-house database of 12,000 HIV clinicians and other care providers interested in HIV medicine who have requested the journal. *Topics in HIV Medicine* is published 5 or 6 times each year and is available free of charge via the IAS–USA Web site. Many of the journal’s articles are CME drawn from presentations given at the live CME courses. As IAS–USA expert panels produce updates to guidelines, reprints, or highlights of the original published articles, these are also included in *Topics in HIV Medicine*. The journal also occasionally accepts unsolicited submissions after peer review.

New directions for *Topics in HIV Medicine* in 2010 include the following:

- Introduction of a new category, *Case Reports From the Field*. These case reports consist of new or unusual presentations of cases accompanied by a literature review. The first Case Report appeared in the August/September 2010 issue and the second in the December 2010 issue.
- CME credit was instituted for select articles beginning in 2010. Issue 18.1 and 18.3-18.5 each had 1 article available for free credit, and the entire CROI review issue (18.2) was available for credit.

Contents of *Topics in HIV Medicine* for 2010 are as follows:

Volume 18—2010

Issue 1 (February/March 2010)

Perspectives

1. HC Lane: *Pathogenesis of HIV Infection: CD4+ T-Cell Pool, Immune Activation, and Inflammation*
2. RD Bruce: *Medical Interventions for Addictions in the Primary Care Setting*

Special Contribution

1. EH Amerson and TA Maurer: *Dermatologic Manifestations of HIV in Africa*

Issue 2 (April/May 2010)

CROI Review Articles

1. M Stevenson: *Advances in Basic Science*
2. DI Watkins: *HIV Vaccine Development*
3. S Buchbinder: *HIV Epidemiology, Testing Strategies, and Prevention Interventions*

4. SL Letendre, RJ Ellis, BM Ances, and JA McCutchan: *Neurologic Complications of HIV Disease and Their Treatment*
5. AF Luetkemeyer, DV Havlir, and JS Currier: *Complications of HIV Disease and Antiretroviral Therapy*
6. TJ Wilkin, N Shalev, H-V Tieu, and SM Hammer: *Advances in Antiretroviral Therapy*

Issue 3 (August/September 2010)

Perspectives

1. C Grunfeld: *Dyslipidemia and Its Treatment in HIV Infection*
2. RF Siliciano: *What Do We Need To Do To Cure HIV Infection?*
3. MM Kitahata: *When To Start Antiretroviral Therapy*

Case Report From the Field

1. JH Tabibian and M Sulkowski: *Cervical Injection Drug Use: A Pain in the Neck*

Announcement/Highlights

1. Highlights from the 2010 JAMA article: *Antiretroviral Treatment of Adult HIV Infection: 2010 Recommendations of the IAS–USA Panel.*

Issue 4 (October/November 2010)

Perspectives

1. DL Wyles: *Moving Beyond Interferon Alfa: Investigational Drugs for Hepatitis C Infection*
2. CL Celum: *Sexually Transmitted Infections and HIV: Epidemiology and Interventions*
3. AF Luetkemeyer: *Current Issues in the Diagnosis and Management of Tuberculosis and HIV Coinfection in the United States*

Issue 5 (December 2010)

Perspectives

1. JH Stein: *Evaluating and Managing Cardiovascular Disease Risk Factors in HIV-Infected Patients*
2. RH Goldschmidt: *Occupational Postexposure Prophylaxis for HIV: The PEPLINE Perspective*

Case Report From the Field

1. SC Sisneros: *Recalcitrant Giant Molluscum Contagiosum in a Patient With Advanced HIV Disease – Eradication of Disease With Paclitaxel*

Special Contribution

1. VA Johnson, et al: *Update of the Drug Resistance Mutations in HIV-1: December 2010*

II. RYAN WHITE HIV/AIDS PROGRAM CLINICAL UPDATE: HRSA/HAB COLLABORATION

The 13th Annual Clinical Conference for the Ryan White (RW) HIV/AIDS Program, Parts A, B, C, and D clinics was sponsored in 2010. This live, 3-day meeting was held August 23 to 25, 2010, in Washington, DC, with planning and support from the Health Resources and Services Administration HIV/AIDS Bureau. This collaboration was established in 2000 and serves physicians, physician assistants, nurse practitioners, and others who perform services in RW programs and are actively involved in HIV patient care, including care for the underserved HIV-infected population.

The Clinical Conference co-chairs for 2010 were Laura W. Cheever, MD, ScM; Ronald H. Goldschmidt, MD; and Michael S. Saag, MD. The topics were determined based on detailed needs assessments of the RW clinicians by the IAS–USA and the meeting co-chairs.

Course formats included didactic lectures, case-based interactive sessions, question-and-answer periods, discussions, and interactive workshop sessions.

On the whole, the 651 health care practitioners who attended this conference were very experienced HIV clinical decision makers (see below). A total of 463 of the attendees held an advanced medical degree or license (MD, NP, PA), and 137 had been involved in HIV care for more than 6 years.

Clinical/Academic Training Background

Medical doctor	46%
Nurse practitioner	19%
Nursing professional	15%
Physician assistant	6%
Other	11%
Pharmacist	2%
Public health professional	1%

Length of Time Involved in HIV Care

>10 years	48%
6-10 years	22%
2-5 years	20%
< 1 year	9%

The attendees' primary specialties were largely infectious diseases, family medicine, and internal medicine. These health care practitioners manage sizable case loads of HIV-infected patients. 86% of the audience managed case loads of more than 50 HIV-infected patients.

The following data reflect the audience members who responded to audience response system (ARS) questions posed during the Clinical Update meeting.

Number of HIV-Infected Patients Managed

500 or more	11%
301-500	16%

101-300	40%
51-100	19%
16-50	7%
11-15	1%
5-10	1%
1-4	1%
None	4%

Evaluation instruments included detailed evaluation forms given daily to participants at the activity and an overall evaluation form on day 3 of the program, ARS knowledge testing, pre- and post-activity tests, and declaration of specific practice changes that resulted from attendance at the activity. The table below summarizes the mean score for selected important aspects.

Overall Evaluation Summary*
(Approximately 651 attended and 385 evaluation forms returned)

	Number who responded						Totals	Mean Score*
	Excellent	Very Good	Good	Fair	Poor			
How well were the course objectives met?	168	167	20	3	0	358	1.6	
Educational Value of Activity Quality of Clinical Update	202	136	17	5	0	360	1.51	
Selection of topics	174	147	32	8	1	362	1.66	
Content	184	148	23	5	0	360	1.58	
Value to your practice or responsibility	199	129	30	3	0	361	1.55	
Commercial Support Your assessment of the independence of the overall	268	77	13	1	0	359	1.30	

program content							
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*Mean evaluation scores based on ratings of : 1 = Excellent, 2 = Very Good, 3 = Good, 4 = Fair, 5 = Poor

III. INTENSIVE WORKSHOP SERIES

The IAS–USA’s new Intensive Workshop Series, *Viral Hepatitis Infection: Strategies and Future Directions*, debuted with a pilot on October 4, 2010 in New York.

Chairs: David L. Thomas, MD; Robert T. Schooley, MD

No. of attendees: 30

IV. SPECIAL SESSIONS AT NATIONAL AND INTERNATIONAL CONFERENCES

The IAS–USA hosts interactive sessions on the agenda of the major US and international scientific HIV/AIDS conferences. In 2010, sessions were held at the following conferences:

18th International AIDS Conference

Monday, July 19, 2010

Vienna, Austria

Session Title: HIV: Advances in Antiretroviral Management in Adult HIV Infection: Discussions of an International Panel of Experts

Co-chairs: Pedro Cahn, MD, PhD; Julio S. G. Montaner, MD; Melanie A. Thompson, MD

Participants: Judith A. Aberg, MD; José M. Gatell, MD, PhD; Peter Reiss, MD, PhD; Giuliano Rizzardini, MD; Paul A. Volberding, MD; Patrick G. Yeni, MD

50th Annual Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC)

Wednesday, September 15, 2010

Boston, MA

Session Title: Current Challenges in HIV-Infected Patients Presenting Late in the Course of Disease

Case Presenters: Judith A. Aberg, MD; Richard Chaisson, MD; Bernard Hirschel, MD

Discussants: José R. Arribas, MD, and Ronald T. Mitsuyasu, MD

10th International Congress on Drug Therapy in HIV Infection

Wednesday, November 10, 2010

Glasgow, UK

Session Title: Controversies in Antiretroviral Management: An Interactive, Case-Based Discussion

Case Presenters: Judith S. Currier, MD; Roy M. Gulick, MD, MPH; Julio S. G. Montaner, MD

Discussants: Manuel Battegay, MD, and Pedro Cahn, MD, PhD

V. DRUG RESISTANCE MUTATIONS GROUP

The IAS–USA Drug Resistance Mutations Group, an expert panel of volunteer scientists convened by the IAS–USA, maintains a current list of mutations associated with antiretroviral drug resistance. Panel members update the list on an ongoing basis by reviewing and discussing new data on HIV-1 drug resistance that have been published or presented at recent scientific meetings. The mutations lists are designed for practitioners to use in identifying key mutations and in making therapeutic decisions.

The mutations figures are presented in various formats that are updated as each revised list of mutations is prepared: (1) in an article published with each major update in *Topics in HIV Medicine*; (2) on an IAS–USA “Mutations Card,” a folded, laminated pocket card containing the figures and explanatory user notes; and (3) in a set of downloadable PowerPoint slides available free from the IAS–USA Web site. The pocket cards are available for order by practitioners through the IAS–USA Web site, which also provides updates to the mutations figures, user notes, and references as needed between full publications of the new versions.

In 2010, a new list of mutations was published in *Topics in HIV Medicine* following extensive reviews of data by the panel and discussion during 2 full-panel meetings. The December 2010 list included **9** new mutations, the removal of 5 previous mutations, a change in level of importance for several mutations, the addition of several new references, and revisions to several of the user notes.

VI. IAS–USA INFORMATION AND RESOURCES

Drug Resistance Mutations in HIV-1 Figures

The HIV drug resistance mutations figures and user notes are regularly revised and disseminated by the IAS–USA Drug Resistance Mutations Group, an independent volunteer panel of experts focused on identifying key HIV-1 drug resistance mutations. The group strives to provide current, accurate, and unbiased information on these mutations for HIV practitioners.

- **7093** cards were sent to HIV health care providers.
- **296** requests for the resistance mutations cards were fulfilled.
- More than **4250** cards were distributed to attendees at IAS–USA advanced CME courses.

Dermatologic Manifestations of HIV Disease Card

In January 2007, the IAS–USA published a folding card, offering an updated overview of the dermatologic manifestations, as well as treatment options, of HIV; the card easily expands to a wall chart suitable for hanging. As of September 8, 2010,

- **2287** cards were sent to HIV health care providers.
- **28** requests for the dermatologic manifestations cards were fulfilled.
- More than **2070** cards were distributed to attendees at IAS–USA advanced CME courses.

Oral Manifestations of HIV Disease Card

In July 2006, the IAS–USA published a pocket-sized folding card, describing the oral manifestations of HIV as previously reviewed in *Topics in HIV Medicine*, including typical presentations and treatment options. As of September 8, 2010,

- **4134** cards were sent to HIV health care providers.
- **24** requests for the oral manifestations cards were fulfilled.
- More than **1980** cards were distributed to attendees at IAS–USA advanced CME courses.

Dermatologic Manifestations of HIV Infection in Africa Card

In August 2010, the IAS–USA published a folding card providing an overview of the

dermatologic manifestations of HIV in Africa, as well as treatment options, based on an article on the same subject in *Topics in HIV Medicine*. 5000 cards were printed and are available on request to health care practitioners, and 1000 cards were distributed at the 2010 Ryan White Conference in Washington, DC.

- **1500** cards were sent to HIV health care providers.
- More than **1350** cards were distributed to attendees at IAS—USA advanced CME courses.