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CURRICULUM VITAE

JOSEPH IRVIN HARWELL, MD, FAAP, FIDSA
Senior Clinical Director, Clinton Health Access Initiative

EDUCATION

- 1985 B.S. University of North Carolina at Chapel Hill
1993 M.D. University of North Carolina at Chapel Hill School of Medicine

POSTGRADUATE TRAINING

- 1993-1997 Combined Residency in Internal Medicine and Pediatrics, Baystate Medical Center, Springfield, MA

1997-1999 Fellow in Infectious Diseases, Baystate Medical Center, Springfield, MA

EMPLOYMENT

- 1999-2008 University Medicine Foundation, Attending Physician in Infectious Diseases, Divisions of Internal Medicine and Pediatrics
2008-2012 Clinton Health Access Initiative, Regional Clinical Officer for Asia
2012-2014 Chinese University of Hong Kong, School of Public Health and Primary Care, Associate Professor in Infectious Diseases
2014- Clinton Health Access Initiative, Senior Clinical Director, Clinical Sciences Team

POSTGRADUATE HONORS AND AWARDS

- 1998 "Outstanding Fellow of the Year" as selected by the internal medicine housestaff, Baystate Medical Center

2002 "Dean's Teaching Excellence Award," Brown Medical School Bio 282 Pathophysiology – Infectious Disease

2002 "Vision Award" New Visions for Newport County Inc. Jean E. Hicks Community Health Center for community service and support

2004 "Dean's Teaching Excellence Award," Brown Medical School Bio 282 Pathophysiology – Infectious Disease

2005 "Dean's Teaching Excellence Award," Brown Medical School Bio 282 Pathophysiology – Infectious Disease

2008 "Beckwith Family Award for Outstanding Teaching", Warren Alpert Medical School of Brown University Department of Medicine

2009 "Certificate of Recognition for exemplary teaching efforts", Warren Alpert Medical School of Brown University, BIOL 3653 IMS II

LICENSES AND BOARD CERTIFICATION

- 1994- United States Medical License Exam
- 1997- Medical License, MA, # 153821
- 1997- Diplomate, American Board of Pediatrics, # 061733, Recertified 2004, Recertified 2011, In Good Standing 2016
- 1997-2007 Diplomate, American Board of Internal Medicine, # 176330
- 1999- Medical License, RI # 10171
- 1999- Diplomate, American Board of Internal Medicine, Subspecialty Board on Infectious Disease, #176330, Recertified 2009
- 2000 American Academy of HIV Medicine, Certificate in HIV Medicine
- 2011- Certificate of Registration as Medical Practitioner, Papua New Guinea #3250
- 2013-2014 Medical Council of Hong Kong Reg. No. ML01494

ACADEMIC APPOINTMENTS

- 1997-1999 Instructor of Medicine, Tufts University School of Medicine, Boston, MA
- 1999-2007 Assistant Professor of Medicine and Pediatrics, Brown Medical School, Providence, RI
- 2007- Associate Clinical Professor of Medicine and Pediatrics, The Warren Alpert Medical School of Brown University, Providence, RI
- 2012-2014 Associate Professor, Jockey Club School of Public Health and Primary Care, Chinese University of Hong Kong

HOSPITAL APPOINTMENTS

- 1997-1999 Infection Control Committee, Baystate Medical Center, Springfield, MA
- 1997-1999 Pharmacy/Therapeutics Committee, Baystate Medical Center, Springfield, MA
- 1999- Staff Physician, Rhode Island Hospital, Providence, RI
- 1999- Staff Physician, The Miriam Hospital, Providence, RI
- 1999-2019 Staff Physician, Hasbro Children's Hospital, Providence, RI
- 2006-2018 Staff Physician, Women and Infants Hospital, Providence, RI

OTHER APPOINTMENTS

- 2000- Manuscript Reviewer: *Annals of Internal Medicine*; *Clinical Infectious Diseases*; *Southern Medical Journal*; *Substance Abuse*; *Journal of Women's Health*; *JAMA*; *AIDS*; *Lancet*; *European Journal of Obstetrics and Gynecology*; *Public Health Action*; *PLoS ONE*
- 2002 Internal Medicine Clinical Examination Committee, Moi Teaching and Referral Hospital, Eldoret, Kenya
- 2003-2008 Board Member, AIDS Care Ocean State, member of Program Committee
- 2003-2005 Medical Director, Sunrise House – Assisted living for People Living with HIV
- 2005 Abstract Reviewer – U.S. CDC National HIV Prevention Conference
- 2005-2008 Clinton HIV/AIDS Initiative – Consultant in international pediatric AIDS care
- 2006 Subject Matter Expert – CDC Global AIDS Program Special Emphasis Review Panel for Pediatric Adherence to Antiretroviral Therapy. Atlanta, GA, 27 June 2006.
- 2006-2010 Member – Scientific Advisory Board, China National Center for AIDS
- 2012 Subject Matter Expert – CDC Division of Global HIV/AIDS Peer Review Panel on Operational research (implementation science) PEPFAR proposals. Herndon, VA. 16-17 July 2012
- 2014- Senior Technical Advisor and Director of Clinical Science Team, Clinton Health Access Initiative
- 2014- Grant Review Board, Health and Medical Research Fund, Food and Health Bureau, Government of Hong Kong Special Administrative Region
- 2016 Consultation on HIV differentiated service delivery models for specific populations and settings: Pregnant and breastfeeding women, children, adolescents and key populations. Geneva, Switzerland. 16-18 November 2016. <http://www.who.int/hiv/pub/meetingreports/hiv-differentiated-service-delivery-report/en/index8.html>
- 2015- Technical Working Group, AIDS Care Unit, National Center for HIV, AIDS, Dermatology and STD, Ministry of Health, Cambodia
- 2017- National Guidelines Technical Working Group, National AIDS and STI Control Program, Ministry of Health, Kenya
- 2018- Technical Working Group for Adult Antiretroviral Therapy, India National AIDS Control Organization, New Delhi, India. 23 October 2018
- 2018- Technical Working Group for Pediatric Antiretroviral Therapy, India National AIDS Control Organization, New Delhi, India. 24 October 2018

HOSPITAL COMMITTEES

2000-2008 Co-Director, Pediatric HIV Program, Hasbro Children's Hospital

UNIVERSITY COMMITTEES

- 2002-2008 Member, Fogarty Executive Committee, Brown University AIDS International Training and Research Program
- 2002-2008 Education Committee, Brown University Infectious Diseases Fellowship Program
- 2005-2008 Internal Medicine Residency Research Committee – Co-chair
- 2006-2008 Co-Chair, Brown University Scholarly Concentration on Global Health
- 2004-2008 Program Director, Brown University Combined Medicine/Pediatrics Infectious Diseases Fellowship
- 2012-2014 Graduate Studies Committee, Jockey Club School of Public Health and Primary Care, Chinese university of Hong Kong
- 2012-2014 Undergraduate Studies Committee, Jockey Club School of Public Health and Primary Care, Chinese university of Hong Kong

MEMBERSHIP IN SOCIETIES

- 1993- American Academy of Pediatrics (AAP), Elected to Fellow 1998
- 1997- American College of Physicians
- 1997- Infectious Disease Society of America, Elected to Fellow 2008
- 1999- AAP, Section on Infectious Diseases
- 1999- AAP, Med/Peds Section
- 1999- Rhode Island Medical Society
- 1999- Infectious Disease Society of America - HIV Medicine Association
- 2002- International AIDS Society

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Harwell JJ, Fisher D. Fever, cough and rash in a 12-year-old traveler. *Pediatr Infect Dis J* 19(1):81,87-88, 2000
2. Harwell JJ, Brown RB. The drug resistant pneumococcus: clinical relevance, diagnosis, and treatment. *Chest* 117(2):530-541, 2000
3. Morris AB, Cu-Uvin S, Harwell JJ, et al. A Multicenter Review of Protease Inhibitors in 89 Pregnancies. *J AIDS* 2000;25:306-311
4. Harwell JJ, Fisher D. Pediatric Septic Bursitis: Case Report of Retrocalcaneal Infection and Review of the Literature. *Clin Infect Dis* 2001;32:e102-4

5. Cu-Uvin S, Hogan JW, Caliendo AM, Harwell JJ, Mayer KH, Carpenter CCJ. Association between bacterial vaginosis and expression of HIV-1 RNA in the female genital tract. *Clin Infect Dis* 2001; 33:894-6
6. Lally MA, Alvarez S, MacNevin R, Cenedella C, Dispigno M, Harwell JJ, Pugatch D, Flanigan, TE. Acceptability of Sexually Transmitted Infection Screening among Women in Short-Term Substance Abuse Treatment. *Sexually Transmitted Diseases*, Vol. 29, No.12;752-755, December 2002.
7. Tashima KT, Alt DN, Harwell JJ, Fiebich-Perez DK, Flanigan TP. Internet Sex Seeking Leads to Acute HIV Infection: A Report of Two Cases. *International Journal of STD and AIDS* 2003;14(4); 285-6.
8. Senya C, Mehta A, Harwell JJ, Pugatch D, Flanigan T, Mayer KH. Spectrum of Opportunistic Infections in Hospitalised HIV-Infected Patients in Phnom Penh, Cambodia. *International Journal of STD & AIDS* 2002;14:411-6.
9. Harwell JJ, Moench T, Mayer KH, Chapman S, Rodriguez I, Cu-Uvin S. A Pilot Study of Treatment of Bacterial Vaginosis with a Buffering Vaginal Microbicide. *Women's Health and Gender Based Medicine* 2003;12:255-9.
10. Chhin S, Rozycki G, Pugatch D, Harwell JJ. Etiology of Meningitis in HIV-Infected Patients in a Referral Hospital in Phnom Penh, Cambodia. *International Journal of STD & AIDS* 2004;15:48-50.
11. Harwell JJ, Flanigan TP, Mitty JA, Macalino GE, Stenzel MA, Carpenter CCJ, Cu-Uvin S. Directly observed therapy to reduce genital tract and plasma HIV-1 RNA in women with poor adherence. *AIDS* 2003;17:1190-3.
12. Mitty JA, Macalino G, Taylor L, Harwell JJ, Flanigan TP. Directly observed therapy (DOT) for individuals with HIV: successes and challenges. *MedGenMed* 2003;5:30
13. Madhivanan P, Cu-Uvin S, Govindarajan M, Mayer K, Wilson K, Harwell JJ, Hemalatha R, Solomon S. Prevalence of cervical dysplasia among women attending an HIV care center in Chennai, South India. *J Obstet Gynecol India* 2003;53 (4) July/August:367-70.
14. Theng T, Sok P, Pugatch D, Harwell JJ, Ruffner, KM, Chhi Mean V, Mayer KH, Cu-Uvin S. HIV prevalence among parturient women in Sihanoukville, Cambodia. *International Journal of STD & AIDS* 2004;15:419-21.
15. Sheth AA, Harwell JJ, Tashima KT. Guillain-Barré syndrome and acute HIV seroconversion. *Infect Med* 2003;20:559-61
16. Obaro SK, Losikoff P, Harwell JJ, Pugatch D. Failure of serial DNA polymerase chain reaction tests to identify HIV-1 clade A/G. *Pediatr Infect Dis J* 2005;24:183-4.
17. Morris AB, Dobles AR, Cu-Uvin S, Zorilla C, Anderson J, Harwell JJ, Keller J, Garb J. Protease inhibitor use in 233 pregnancies. *J Acquir Immun Defic Syndr* 2005;40:30-33.
18. Bun Navy K, Prem Prey S, Lynen L, Sovanna P, Bell, J, Harwell JJ. The first reported case of disseminated histoplasmosis in Cambodia, complicated by multiple opportunistic infections. *Southeast Asian J Trop Med Public Health* 2005;36:1-3

19. Sok P, Harwell JJ, McGarvey ST, Lurie M, Lynen L, Flanigan T, Mayer KH. Demographic and clinical characteristics among HIV-infected patients in Cambodia. *AIDS Pat Care STD* 2006;20:59-68.
20. Cu-Uvin S, Snyder B, Harwell JJ, Hogan J, Chibwesa C, Hanley D, Ingersoll J, Kurpewski J, Mayer KH, Caliendo AM. Association between paired plasma and cervicovaginal lavage fluid HIV-1 RNA levels during 36 months. *J Acquir Immun Defic Syndr* 2006;42:584-7
21. Chhin S, Harwell JJ, Bell JD, Rozycki G, Ellman T, Barnett JM, Ward H, Reinert SE, Pugatch D. Etiology of Chronic Diarrhea in Antiretroviral-Naïve AIDS Patients Admitted to Norodom Sihanouk Hospital, Phnom Penh, Cambodia. *Clin Infect Dis* 2006;43:925-32.
22. Myung P, Pugatch D, Brady MF, Many P, Harwell JJ, Lurie M, Tucker J. Directly-Observed HAART for HIV Infected Children in Cambodia. *Am J Public Health* 2007;97:974-7.
23. Kong BN, Harwell JJ, Suos P, Lynen L, Mohiuddin S, Reinert S, Pugatch D. Opportunistic infections and HIV clinical disease stage among patients presenting for care in Phnom Penh, Cambodia. *Southeast Asian J Trop Med Public Health* 2007;38:62-8.
24. Losikoff P, Fichorova R, Snyder B, Rodriguez I, Cu-Uvin S, Harwell JJ, Mayer KH. Genital tract interleukin-8 but not interleukin-1beta or interleukin-6 concentration is associated with bacterial vaginosis and its clearance in HIV-infected and HIV-uninfected women. *Infect Dis Obstet Gynecol.* 2007;2007:92307.
25. Lynen L, Sok P, Suos PP, Thai S, Harwell JJ, Boelaert M, Koole O, Colebunders R. Does Hyponatremia have a Value in the Diagnosis of Extrapulmonary Tuberculosis in HIV-1 Infected Patients in Cambodia? *Open Infectious Disease Journal* 2008;1:1-3.
26. Sok P, Harwell JJ, Dansereau L, McGarvey ST, Lurie M, Flanigan T, Mayer KH. Patterns of sexual behaviors of male patients prior to testing HIV+M in a Cambodian hospital, Phnom Penh. *Sexual Health* 2008;5:353-8.
27. Sam S, Chhour YM, Polidy P, Harwell JJ, Hutton E, Trzmielina S, Somasundaran M, Luzuriaga K, Pugatch D. Virologic and immunologic outcomes in HIV-infected Cambodian children after 18 months of highly active antiretroviral therapy (HAART). *Southeast Asian J Trop Med Public Health* 2010;41:126-37.
28. Vinson AE, Dufort EM, Willis MD, Ebersson CP, Harwell JJ. Drug rash, eosinophilia, and systemic symptoms syndrome: Two pediatric cases demonstrating the range of severity in presentation--A case of vancomycin-induced drug hypersensitivity mimicking toxic shock syndrome and a milder case induced by minocycline. *Pediatr Crit Care Med.* 2010;11:e38-43.
29. Venkatesh KK, Lurie MN, Triche EW, De Bruyn G, Harwell JJ, McGarvey ST, Gray GE. Growth in infants born to HIV-infected women in South Africa according to maternal and infant characteristics. *Tropical Medicine & International Health* 2010;15:1364-74.
30. Lim K, Davidson A, Harwell JJ, Thay S, Boardman LA, Feller E, Cu-Uvin S. Comparing Visual Inspection with Acetic Acid to Cytology in Detection of Precancerous Lesions of the Cervix in HIV-Infected Cambodian Women. *J Int Assoc Physicians AIDS Care* 2011;10:283-6

31. Simonsen K, Harwell J, Lainwala S. Clinical Presentation and Treatment of Transfusion Associated Babesiosis in Premature Infants. *Pediatrics* 2011;128:e1019-24.
32. Zhao Y, Mu W, Harwell J, Zhou H, Sun X, Cheng Y, Li C, Zhang F. Drug Resistance Profiles among HIV-1 Infected Children Experiencing Delayed Switch and 12-months Efficacy after Using Second-line Antiretroviral Therapy: An Observational Cohort Study in Rural China. *J Acquir Immune Defic Syndr* 2011;58:47-53.
33. Westley BP, DeLong AK, Tray CS, Sophearin D, Dufort EM, Nerrienet E, Schreier L, Harwell J, Kantor R. Prediction of Treatment Failure using 2010 WHO Guidelines is Associated with High Misclassification Rates and Drug Resistance among HIV-Infected Cambodian Children. *Clin Infect Dis* 2012;55:432-40
34. Chen J, Yu B, Wang Y, Tang M, Hu Y, Cai T, Zhang F, von Zinkernagel D, Harwell J, Huang ZJ. Expansion of HIV care and treatment in Yunnan Province, China: Treatment outcomes with scale up of combination antiretroviral therapy. *AIDS Care* 2014;26:633-41
35. Wei X, Yin J, Zou G, Zhang Z, Walley J, Harwell J, Li H, Li R, Wang L, Sun Q, Zhang X, Treatment interruptions and provision of directly observed treatment of multidrug resistant tuberculosis patients in China. *Int J Tuberc Lung Dis* 2015;19(4):413-9. doi: 10.5588/ijtld.14.0485.
36. Sau MS, Balamane M, Lurie M, Harwell J, Welle E, Mean C, Cu-Uvin S. Assessment of Prevention of Mother-to-Child Transmission HIV Services in the Bantey Meanchey Province in Cambodia. *J Int Assoc Provid AIDS Care*. 2016 Jul;15(4):345-9. doi: 10.1177/2325957415599208.
37. Hu Y, Walley J, Chou R, Tucker JD, Harwell J, Wu X, Yin J, Zou G, Wei X. Interventions to reduce childhood antibiotic prescribing for upper respiratory infections: systematic review and meta-analysis. *J Epidemiol Community Health*. 2016;70(12):1162-70
38. Mohammed BH, Johnston JM, Harwell J, Yi H, Tsang KW, Haidar JA. Intimate partner violence and utilization of maternal health care services in Addis Ababa, Ethiopia. *BMC Health Serv Res* 2017;17:178. Doi 10.1186/s12913-017-2121-7
39. Wang S, Hu YJ, Little P, Wang Y, Chan Q, Zhou X, Moore M, Harwell J. The impact of the National Action Plan on the epidemiology of antibiotic resistance among 352,238 isolates in a tertiary teaching hospital in China from 2015-2018. *Antimicrob Resist Infect Control* 2019;8(22): <https://doi.org/10.1186/s13756-019-0473-y>
40. Prabhu S, Harwell J, Kumarasamy N. Advanced HIV: Diagnosis, treatment and prevention. *Lancet HIV* 2019 [http://dx.doi.org/10.1016/S2352-3018\(19\)30189-4](http://dx.doi.org/10.1016/S2352-3018(19)30189-4)
41. Nabitaka VM, Nawaggi P, Campbell J, Conroy J, Harwell J, Magambo K, Middlecote C, Caldwell B, Katureebe C, Namuwenge N, Atugonza R, Musoke A, Musunguzi J. High acceptability and viral suppression of patients on Dolutegravir-based first-line regimens in pilot sites in Uganda: A mixed-methods prospective cohort study. *PLoS One*. 2020 May 27;15(5):e0232419. doi: 10.1371/journal.pone.0232419.

42. CE Boeke, S Khan, F Walsh, A Hetteema, C Lejeune, D Spiegelman, V Okello, J Harwell, S Mazibuko, T Bärnighausen. Universal test and treat in relation to HIV disease progression: Results from a stepped-wedge trial in Eswatini. *HIV Med* 2020 (in press).

OTHER PEER-REVIEWED PUBLICATIONS

1. Flanigan TP, Campbell T, Harwell J, Kumarasamy N. The extraordinary hope of antiretroviral therapy in South Africa (even for patients with tuberculosis and Kaposi's sarcoma!). *J Infect Dis* 2005;191:321-3
2. Harwell J, Obaro SK. Antiretroviral therapy for children: Substantial benefit but limited access. *JAMA* 2006;296:330-1
3. Flanigan TP, Wools-Kaloustain K, Harwell J, Cu-Uvin S, Kimaiyo S, Carter EJ. Highly active antiretroviral therapy (HAART)--plus: next steps to enhance HAART in resource-limited areas? *Clin Infect Dis* 2007;45:1499-501.
4. Sughandi N, Harwell J. Children with HIV in low-prevalence settings: finding the needle in a haystack. *Clin Infect Dis* 2013;56:745-6

BOOKS AND BOOK CHAPTERS

1. Brown RB, Harwell J. Streptococcal pharyngitis. *Conn's Current Therapy*, 1999 edition. Rakel, RE (editor), WB Saunders, Philadelphia
2. Harwell J, Dufort E, Pugatch D. Integrating Pediatric HIV Care. In: Marlink RG, Teitelman SJ, eds. *From the Ground Up: Building Comprehensive HIV/AIDS Care Programs in Resource-Limited Settings*. Washington, DC: Elizabeth Glaser Pediatric AIDS Foundation; 2009.
3. Andiman S, Harwell J, Lim K, Cu-Uvin S. A clinical and photographic archive from Sihanouk Hospital Center of HOPE, Phnom Penh, Cambodia. 2012 Phnom Penh. ISBN 978-0-615-73403-3.

OTHER NON-PEER REVIEWED PUBLICATIONS

1. Harwell J. Empyema. *Current Treatment Options in Infectious Disease* 1999;1(2):103-112.
2. Henry K, Harwell J. Antiretroviral Rounds. Neurosyphilis: how do you know, and what do you do? *AIDS Clinical Care* 2002;14:92-3.
3. Harwell J, Cu-Uvin, S. Measuring HIV in the female genital tract and how this affects sexual and reproductive choices. *Harvard Health Policy Review* Spring 2005.
4. Sopheab H, Gorbach P, Detels R, Harwell H, Pugatch D. Sexual risk and HIV/STD in vulnerable Cambodian females: the Cambodian young women's cohort – factory workers. Los Angeles: National Center for HIV/AIDS, Dermatology and STDs, University of California; 2006. Pp. 32.
<http://www.nchads.org/Publication/Others/Factory%20Workers.pdf>
5. National Guidelines on Diagnosis and Antiretroviral Treatment of HIV Infection in Infants, Children and Adolescents in Cambodia, 2016. Available at
https://www.nchads.org/Guideline/NG_4ed_on_Diagnosis%20and%20Antiretroviral_Treatment%20of%20HIV%20Infection_In_Infants_Children%20and%20Adolescents_eng.pdf

6. Ministry of Health, National AIDS & STI Control Program. Guidelines on Use of Antiretroviral Drugs for Treating and Preventing HIV in Kenya 2018 Edition. Nairobi, Kenya: NASCOP, August 2018. Available at http://cquin.icap.columbia.edu/wp-content/uploads/2017/04/ICAP_CQUIN_Kenya-ARV-Guidelines-2018-Final_20thAug2018.pdf
7. Sugandhi N, Harwell H. Scaling up optimal antiretroviral treatment for children: A long overdue intervention. Developed for the Child Survival Working Group in collaboration with PATA and UNICEF. Available at http://teampata.org/wp-content/uploads/2018/07/10-ScalingUpOptimalRetroviral_Digital.pdf
8. Package of care for children and adolescents with advanced HIV disease: stop AIDS. Technical brief. Geneva: World Health Organization; 2020. License: CC BY-NC-SA 3.0 IGO. <https://www.who.int/publications/i/item/9789240008045>

ABSTRACTS

1. Morris AB, Harwell JI, Watson-Batar MA. Triple combination therapy, including nelfinavir, in pregnancy. (poster presentation) *12th World AIDS Conference*, Geneva, 1998
2. Morris A, Zorrilla C, Vajaranant M, Dobles A, Cu-Uvin S, Jones T, Harwell J, Carlan S, Allen D. A review of protease inhibitors use in 89 pregnancies. *6th conference on Retrovirus and Opportunistic Infections*, (Abstract no. 686) (poster presentation) Chicago, January 31-February 4, 1999
3. Harwell JI, Morris AB, Watson-Batar MA. Adherence and outcomes in patients taking nelfinavir twice versus thrice daily. (poster presentation) *36th Annual Meeting of the Infectious Disease Society of America*, Denver, 1998
4. Morris AB, Harwell JI. The Impact of Antepartum versus Postpartum Adherence to HAART, Infant AZT, and Maternal and Infant Office Visits. *1999 National Conference on Women and HIV/AIDS*. (abstract no. 92) Los Angeles, CA. October 9-12
5. Cu-Uvin S, Hogan J, Caliendo AM, Alisworth J, Donahue S, Allega J, Rodrigues I, Flanigan TP, Mayer KH, Harwell JI, Carpenter CCJ. Bacterial Vaginosis Decreases Suppression of Female Genital Tract HIV-1 RNA Levels. (Abstract no. 678) *7th conference on Retroviruses and Opportunistic Infections*. San Francisco, CA, January 30-February 2, 2000
6. Harwell JI, Cu-Uvin S, Hogan J, Caliendo AM, Allsworth J, Donahue S, Allega J, Rodriguez I, Flanigan TP, Mayer KH, Carpenter CCJ. Bacterial Vaginosis Decreases Suppression of Female Genital Tract HIV-1 RNA Levels. (Abstract #58) *8th Annual Hospital Research Celebration*. Providence, RI. October 27, 2000
7. Pugatch DL, Combs CM, Lally MA, Harwell JI, Flanigan TP, Brown LK. HIV testing among young injection drug users in substance abuse treatment. *HIV Prevention Conference*. Atlanta, GA 2001
8. Senya C, Mehta A, Harwell JI, Pugatch D, Flanigan TP, Mayer KH. Spectrum of opportunistic infections in hospitalised, HIV-infected patients in Phnom Penh, Cambodia. *6th International Congress on AIDS in Asia and the Pacific*. Melbourne, Australia. October 2001

9. Senya C, Rozycki G, Harwell J, Ellman T, Mehta A, Mayer K, Flanigan TP, Pugatch D. Chronic diarrhea in HIV-infected patients admitted to Norodom Sihanouk Hospital, Phnom Penh, Cambodia. *6th International Congress on AIDS in Asia and the Pacific, Melbourne, Australia*. October 2001
10. Senya C, Rozycki G, Harwell J, Pugatch D. Etiology of meningitis in HIV-infected inpatients in an urban hospital in Phnom Penh, Cambodia. *6th International Congress on AIDS in Asia and the Pacific*. Melbourne, Australia. October 2001
11. Phan S, Barnett JM, Carter EJ, Harwell J. Tuberculosis presenting as abdominal lymphadenopathy in patients infected with HIV in Phnom Penh, Cambodia. *International Union Against Tuberculosis and Lung Disease, North American Region Meeting*. Vancouver, British Columbia. March 2002
12. Cu-Uvin S, Caliendo A, Snyder B, Hogan J, Mayer K, Donahue S, Allega J, Kurpewski J, Harwell J, Flanigan T, Carpenter CCJ. Factors Associated with HIV-1 RNA Shedding in the Female Genital Tract: 24 Months Follow-up. *9th Conference on Retroviruses and Opportunistic Infections*. Seattle, WA, February 2002
13. Cu-Uvin S, Snyder B, Donahue S, Allega J, Hogan J, Harwell J, Kurpewski J, Carpenter CCJ, Mayer K, Caliendo A. HIV-1 RNA Levels in the Female Genital Tract Differ by Collection Method: Analysis of Cervicovaginal Lavage and Sno-Strip Collections. *9th Conference on Retroviruses and Opportunistic Infections*. Seattle, WA, February 2002
14. Harwell J, Martin E, Sanford S, Wolf F, Macalino G, Taylor L, McNamara S, Rich JD. Sexual Risk Behaviors and Epidemic Hepatitis B among IDUs Receiving Prescriptions for Syringes. *2002 National STD Prevention Conference*. San Diego, CA. March 2002
15. Harwell J, Reinert SE, Caliendo A, Kurpewski J, Donahue S, Ingersoll J, Mayer KH, Cu-Uvin S. The relationship between cervicovaginal HIV-1 RNA shedding and the presence of white blood cells in the genital tract. (Abstract ThPeC7419) *XIV International AIDS Conference*. Barcelona, Spain. July 7-12, 2002
16. Sok P, Harwell J. Clinical characteristics and outcomes of 299 HIV-infected patients at Sihanouk Hospital Center of HOPE, Phnom Penh, Cambodia. (Abstract TuPeC4697) *XIV International AIDS Conference*. Barcelona, Spain. July 7-12, 2002
17. Chibwesa CJ, Gray G, McIntyre J, Jivkov B, Harwell J, Cu-Uvin S. Understanding HIV positive status disclosure: Lessons from Soweto, South Africa. (Abstract TuPeD4972) *XIV International AIDS Conference*. Barcelona, Spain. July 7-12, 2002
18. Morris AB, Dobles AR, Zorrilla C, Anderson JR, Cu-Uvin S, Keller J, Harwell J, Garb JL. An update of protease inhibitor (PI) use in 233 pregnancies. (Abstract WePeB5917) *XIV International AIDS Conference*. Barcelona, Spain. July 7-12, 2002
19. Kojic EM, Tashima KT, Alt DN, Harwell J, Fiebich-Perez DK, Flanigan TP. Internet sex-seeking leads to acute HIV infection: a report of 3 cases. (oral presentation) *ATD/HIV Prevention and the Internet 2003* (Dept of health and CDC) August 25-27 2003 Washington, D.C.
20. S. Cu-Uvin, B. Snyder, J. Hogan, S. Donahue, J. Ingersoll, R. D'Aquila, M. DePasquale, J. Kurpewski, J. Harwell, K. Mayer, CCJ Carpenter, A. Caliendo. Paired Plasma and

- Cervicovaginal HIV-1 RNA Expression Over 36 Months. (abstract 954) 11th Conference on Retroviruses and Opportunistic Infections. San Francisco, CA. February 8-11, 2004.
21. P. Myung, J. Tucker, M. Lurie, J. Harwell, D. Pugatch. Directly observed HAART treatment of HIV-infected Children in Cambodia. (Abstract TuPeB4438) *XV International AIDS Conference*. Bangkok, Thailand. July 11-16, 2004.
 22. L. M. J. Lynen, S. Phan, P. Suos, S. Thai, J. Harwell, M. Boelaert. Does hyponatremia have a predictive value in the diagnosis of extra-pulmonary tuberculosis in HIV-1 infected patients in Cambodia? (Abstract B10358) *XV International AIDS Conference*. Bangkok, Thailand. July 11-16, 2004.
 23. S. Phan, J. Harwell, M. N. Lurie, B. N. Kong, A. K. Chi, T. Flanigan, K. H. Mayer. Sex outside of marriage among HIV+ male patients seeking care in Cambodia. (Abstract MoPeD3971) *XV International AIDS Conference*. Bangkok, Thailand. July 11-16, 2004.
 24. N. Kong Bun, J. Harwell, S. Prem Prey, D. Pugatch, P. Sovanna, K. V. Ruffner. Clinical stage of disease in 100 newly diagnosed patients with HIV-1 in Phnom Penh, Cambodia. (Abstract A10190) *XV International AIDS Conference*. Bangkok, Thailand. July 11-16, 2004.
 25. S. Cu-Uvin, B. Snyder, J. Hogan, J. Ingersoll, T. Flanigan, J. Kurpewski, R. D'Aquila, M. P. dePasquale, D. Hanley, J. Cerezo, J. Harwell, K. Mayer, C. Carpenter, A. Caliendo. HIV-1 virologic failure may occur earlier in blood plasma compared to the female genital tract. (Abstract MoPeC3402) *XV International AIDS Conference*. Bangkok, Thailand. July 11-16, 2004.
 26. Cu-Uvin S, Snyder B, Hogan J, Hanley D, Ingersoll J, D'Aquila R, Depasquale M, Kurpewski J, Cerezo J, Harwell J, Flanigan T, Mayer K, Carpenter C. C., Caliendo A. Episodes of detectable intermittent HIV-1 RNA in the genital tract of women with sustained undetectable plasma viral load (<80 copies/mL). (Abstract 940) 42nd IDSA Annual Meeting. Boston, MA. September 30-October 3, 2004.
 27. Harwell J, Kong BN, Lim K, Suos PP, Mohiuddin S, Cu-Uvin S. Clinical Characteristics of Newly Diagnosed HIV-Infected Women in Phnom Penh, Cambodia. (Abstract 851) 42nd IDSA Annual Meeting. Boston, MA. September 30-October 3, 2004.
 28. Thai S, Moun L, Seng N, De Munter P, Harwell J, Carter EJ. Diagnostic challenges: TB/HIV respiratory suspects in Phnom Penh, Cambodia. *International Union Against Tuberculosis and Lung Disease, North American Region Meeting*. Vancouver, British Columbia. March 2005
 29. Carla Chibwesa; Glenda Gray; James McIntyre; Boris Jivkov; Joseph Harwell; Susan Cu-Uvin. HIV Status Disclosure – Soweto, South Africa. *Public Health Research Day*. Brown University, Providence RI. 5 April 2005
 30. Vibol U, Y Meng C, Boren P, Sarom L, Sanghan K, Vonthanak S, Pugatch D, Caliendo A, Harwell J, Mayer K, Cu-Uvin S. Dried blood spot PCR for early diagnosis of HIV exposed babies in Phnom Penh, Cambodia. (Abstract SaPA0030). 7th International Congress on AIDS in Asia and the Pacific. Kobe, Japan. 2 July 2005

31. Sam S, Pean P, Harwell J, Pugatch D, Somasundaran. Modified directly observed highly active antiretroviral treatment for HIV-infected children at the National Pediatric Hospital in Phnom Penh, Cambodia. (Abstract SaPB0047). 7th International Congress on AIDS in Asia and the Pacific. Kobe, Japan. 2 July 2005
32. Lim K, Harwell JI, De Munter P, Sreypich S, Cu-Uvin S. Gynecological symptoms/complications in HIV (+) Cambodian women. (Abstract 888) 43rd IDSA Annual Meeting. San Francisco, CA October 6-9, 2005.
33. Harwell JI, Caliendo A, Hanley D, Snyder B, Bythwood T, Kurpewski J, Cerezo J, Cu-Uvin S. Asymptomatic genital HSV shedding occurs among HIV (+) women with suppressed plasma and genital tract HIV-1 RNA. (Abstract 904) 43rd IDSA Annual Meeting. San Francisco, CA October 6-9, 2005.
34. Lim K, Harwell JI, De Munter P, Sreypich S, Thay S, Jacques G, Haverkamp M, Tharpe L, Lynen L, Cu-Uvin S. Prevalence of abnormal Pap smear results in correlation with CD4 counts in an HIV positive cohort in Phnom Penh, Cambodia. (Abstract TUPE0053) *XVI International AIDS Conference*. Toronto, Canada. 13-18 August 2006.
35. Lim K, Harwell JI, De Munter P, Thay S, Davidson A, Sreypich S, Haverkamp M, Jacques G, Tharpe L, Lynen L, Cu-Uvin S. Comparison of visual inspection of the cervix with acetic acid (VIA) and Pap smear among HIV-infected women in Phnom Penh, Cambodia. (Abstract TUPE0041) *XVI International AIDS Conference*. Toronto, Canada. 13-18 August 2006.
36. Kong BN, Harwell JI, Suos P, Lynen L, Mohiuddin S, Reinert SE, Pugatch D. A Prospective Survey of HIV knowledge and risk factors among HIV infected patients presenting for care in Phnom Penh, Cambodia. (Abstract CDC0678) *XVI International AIDS Conference*. Toronto, Canada. 13-18 August 2006.
37. Un P, Thai S, De Munter P, Lynen L, Harwell JI. Facilitating scale-up of HIV-care through an NGO-hospital based HIV-training program for physicians in Cambodia. (Abstract THPE0838) *XVI International AIDS Conference*. Toronto, Canada. 13-18 August 2006.
38. Myung P.D., Brady M.F., Many S., Tucker J., Harwell JI., Lurie M., Pugatch D. Directly observed HAART treatment of HIV-infected children in Cambodia. (Abstract MOPE0244) *XVI International AIDS Conference*. Toronto, Canada. 13-18 August 2006.
39. Sophan S., Pugatch D., Joseph IH., Luzuriaga K., Somasundaran M., Chhour Y.M., Polidy P. Viral suppression following modified directly observed antiretroviral therapy in HIV-infected Cambodian children. (Abstract WEPE0069) *XVI International AIDS Conference*. Toronto, Canada. 13-18 August 2006.
40. Harwell J., Cu-Uvin S., DeLong A., Hogan J., Burtwell H., Ingersoll J., Moreira C., Chapman S., Kurpewski J., Cerezo J., Caliendo A.. Genital tract HIV-1 RNA shedding and asymptomatic HSV shedding among women on highly active antiretroviral therapy. (Abstract TUPEC017) *4th IAS Conference on HIV Pathogenesis, Treatment and Prevention*. Sydney Australia. 22-25 July 2007.
41. Sam S., Pugatch D., Joseph H., Luzuriaga K., Somasundaran M., Pean P., Chhour Y.M.. Clinical and immuno-virological outcomes after 24 months of modified directly observed highly active antiretroviral treatment (MDOT-HAART) for HIV- infected children in

- Cambodia. (Abstract. WEPEB094) *4th IAS Conference on HIV Pathogenesis, Treatment and Prevention*. Sydney Australia. 22-25 July 2007.
42. Simonsen KA, Harwell JI, Muriel F, Lainwala S. A Cluster of Transfusion-Associated *Babesia microti* Infections in Very Low Birth Weight Infants. *Pediatric Academic Society Annual Meeting* 2007. Toronto, Canada. 5-8 May 2007. 5901.21. Board Number 444.
 43. K. Lim, J. Harwell, T. Sovannara, P. Srey, S. Thai, L. Lynen, S. Cu-Uvin. Gynecologic considerations in HIV-infected women at Sihanouk Hospital Center of HOPE (SHCH) in Phnom Penh, Cambodia. (Abstract CDB0138) *XVII International AIDS Conference*. Mexico City, Mexico. 3-8 August 2008
 44. Lim K, Harwell JI, Srey P, Thay S, Tharpe L, Ingersoll J, Caliendo A, Cu-Uvin S. Changes in plasma (PVL) and genital tract (GTVL) HIV-1 viral loads in Cambodian women initiating generic antiretroviral therapy. (Abstract MOPE0051) *XVII International AIDS Conference*. Mexico City, Mexico. 3-8 August 2008.
 45. J. Harwell, K. Lim, A. DeLong, P. Srey, S. Thay, L. Tharpe, J. Ingersoll, A. Caliendo, S. Cu-Uvin. Plasma (PVL) and genital tract (GTVL) viral load changes in Cambodian women during 18 months of ART. (oral abstract) *9th International Congress on AIDS in Asia and the Pacific*. Bali, Indonesia. 9-13 August 2009.
 46. P Sok, S B Rourke, JI Harwell, S McGarvey, T P Flanigan, K H Mayer. Clinical outcomes prior to the era of antiretroviral therapy in Cambodia. Ontario HIV Treatment Network Research Conference. (Abstract). 16, 17 November 2009.
 47. BP Westley, BT Montague, E Neimark, JI Harwell, EM Dufort. Antiretroviral selection in a toddler presenting with HIV, disseminated tuberculosis, and hepatitis B infection. HIV and Liver Disease 3rd Biennial Meeting, Jackson Hole, WY. (abstract). 24-26 September 2010.
 48. EM Dufort, WM. Nyandiko, AK DeLong, K Wools-Kaloustian, S Ayaya, R Vreeman, JI Harwell, R Kantor. Misclassification of Treatment Failure Using Immunologic and Clinical Monitoring in HIV Infected Children and Adolescents in Western Kenya. (Abstract 3711) *48th Annual Meeting of the Infectious Diseases Society of America (IDSA)*. Vancouver, Canada. October 21 – 24, 2010.
 49. BP Westley, A DeLong, T Chhraing, S Dim, EM Dufort, JI Harwell, R Kantor. High Rates of Treatment Failure Misclassification using 2010 vs. 2006 WHO Guidelines among HIV-infected Children in Siem Reap, Cambodia. (Oral Abstract 145) *49th Annual Meeting of the Infectious Diseases Society of America (IDSA)*. Boston, Massachusetts. October 20 – 23, 2011.
 50. MS Sau, M Lurie, J Harwell, E Welle, S Cu-Uvin. Assessing Prevention of Mother to Child HIV Transmission Services in Bantey Meanchey Province, Cambodia. (Abstract) *XIX International AIDS Conference*. Washington, D. C. July 22-27, 2012
 51. MS Sau, M Balamane, MN Lurie, J Harwell, C Mean, S Cu-Uvin. High HIV Knowledge and Acceptance of HIV Testing Among Pregnant Women in Cambodia. (e-Poster). *11th International Congress on AIDS in Asia and the Pacific*. Bangkok, Thailand. 18-22 November 2013.

52. KH Truong, HT Nguyen, HP Dao, SH Bui, X Gao, J Brophy, Y Hu, J Harwell. Implementation of Isoniazid Preventive Therapy for Children Living with HIV in Vietnam. (e-Poster ICAAP3315-01637). 11th International Congress on AIDS in Asia and the Pacific. Bangkok, Thailand. 18-22 November 2013.
53. KH Truong, HT Nguyen, X Gao, Y Hu, J Harwell, J Brophy. The Impact of isoniazid preventive therapy and antiretroviral therapy on TB incidence in children living with HIV in Vietnam (Abstract TUPE033) *XX International AIDS Conference*. Melbourne, Australia July 20-25, 2014
54. TM Ha, H Nguyen, HTP Dao, VL Ho, TH Trinh, XM Dang, PAV Tran, HV Nguyen, J Harwell, J Brophy. Results of the introduction of a hospital-based pediatric provider-initiated HIV testing and counseling program in Vietnam. (Abstract MOPE063) *XX International AIDS Conference*. Melbourne, Australia July 20-25, 2014.
55. T Luo, AWH Leung, KM Ho, J Harwell. The mosaic penA cephalosporin resistance gene is generalized to all STD patients in Hong Kong in 2013. (Abstract P-01-02) 18th IUSTI Asia-Pacific Conference. Bangkok, Thailand November 11-14, 2014.
56. Campbell JR, Essajee S, Kumarasamy N, Harwell J, Domanico P. What is the cost of antiretroviral drug durability? *8th IAS Conference on HIV Pathogenesis, Treatment and Prevention*. Vancouver, Canada. 19-22 July 2015 (Abstract WEPEB371)
57. A. Wilhelm, C. Amole, C. Middlecote, J Harwell, E. McCarthy. Answering the financial question with country programs: what is the cost and impact of adopting the 2015 WHO paediatric HIV treatment guidelines? (Abstract THPDE0203) *XX International AIDS Conference*. Durban, South Africa July 18-22, 2016.
58. Campbell J., Amamilo I., Nabitaka V., Abudioré O., Nawaggi P., Eigege W., Magambo K., Conroy J., Harwell J., Middlecote C., Amole C., Akanmu S., Agbaji O., Abah J., Anweh D., Musunguzi J. Patient and provider experience of using dolutegravir in resource-limited settings: acceptability findings from Uganda and Nigeria. (Abstract P027) HIV Glasgow Congress 28-31 October 2018. Glasgow, UK. Available at <https://onlinelibrary.wiley.com/doi/full/10.1002/jia2.25187>
59. Campbell J., Abudioré O., Amamilo I., Harwell J., Middlecote C., Conroy J., Eigege W., Otubu N., Jiboye J., Lufadeju F., Amole C., Wiwa O., Agbaji O., Akanmu S., Anweh D. Weight gain at 18 months for ART-experienced patients who switched to DTG in Nigeria. (Abstract 681) Conference on Retroviruses and Opportunistic Infections. Boston, MA. March 8-11, 2020.
60. Campbell J., Abudioré O., Harwell J., Middlecote C., Amamilo I., Conroy J., Eigege W., Otubu N., Jiboye J., Lufadeju F., Amole C., Wiwa O., Agbaji O., Anweh D., Akanmu S. Greater weight gains found in ART-experienced Nigerian patients switching to DTG than in EFV-based patients at 18-months follow-up. (Abstract PEB0202). 23rd International AIDS Conference, San Francisco, CA (Virtual). July 6-10, 2020.
61. Campbell J., Middlecote C., Panos Z., Harwell J., Nyambe L., McGovern S., Prahbu V., Domanico P., Amole C. Darunavir is cost-effective compared to lopinavir for second-line

treatment in sub-Saharan Africa: A modeling analysis. (Abstract PEE1517). 23rd International AIDS Conference, San Francisco, CA (Virtual). July 6-10, 2020.

INVITED PRESENTATIONS

1. Annual Infectious Disease Symposium, "Practical approach to the diagnosis and treatment of sexually transmitted diseases," Springfield, MA. 1998
2. Annual Infectious Disease Symposium, "Vaccine case presentations," Springfield MA. 1999
3. Pediatric Grand Rounds, "HIV and STDs – Pediatric Double Jeopardy," Rhode Island Hospital/Hasbro Children's Hospital, Providence, RI. 2000
4. Medical Grand Rounds, "Update on Opportunistic Infections In HIV," Sihanoukville General Hospital, Sihanoukville, Cambodia. 2000
5. Community Provider Program, Brown University AIDS Program, Update on Opportunistic Infections, Providence, RI. 2000, 2001
6. "Reducing the Odds – Prevention of Perinatal HIV Transmission," Brown University AIDS Program, Providence, RI. 2001
7. Guest lecturer for BC 34, Health and Human Reproduction: "Sexually transmitted diseases in the developing world." March 2, 2001
8. Medical Grand Rounds, "Central Nervous System Infection in HIV," Sihanouk Hospital Center of Hope, Phnom Penh, Cambodia. August 2001
9. Medical Grand Rounds, "Extrapulmonary Tuberculosis," Sihanouk Hospital Center of Hope, Phnom Penh, Cambodia. August 2001
10. Biomed 282, Pathophysiology of Infectious Diseases, "The Herpesviruses," Brown Medical School, Providence, RI. February 11, 2002
11. Guest lecturer for BC 34, Health and Human Reproduction: "Sexually transmitted diseases in the developing world." February 21, 2002
12. "Ethical Issues in Research," Sihanouk Hospital Center of Hope Research Training Group, Phnom Penh, Cambodia. March 15, 2002
13. Guest Speaker, Herpes Support Group, Family Service, Inc., Providence, RI. June 4, 2002.
14. "Principles of antiretroviral therapy", Moi Teaching and Research Hospital MTCT-Plus Working Group, Eldoret, Kenya. November 2002.
15. "MTCT overview", Moi Teaching and Referral Hospital MTCT-Plus Working Group, Eldoret, Kenya, November 2002.
16. "Biomed 282, Pathophysiology of Infectious Diseases, "The Herpesviruses," Brown Medical School, Providence, RI. February 5, 2003; January 21, 2004; January 19, 2005.
17. Guest lecturer for BC 34, Health and Human Reproduction: "Sexually transmitted diseases in the developing world." March 4, 2003.

18. “Informed Consent”, Guest lecturer, Sihanouk Hospital Center of Hope Research Training Group, Phnom Penh, Cambodia, April 3, 2003.
19. “Paired plasma and cervicovaginal HIV-1 RNA expression over 36 months”. Center for Interdisciplinary Research in Women’s Health 2004 Research Symposium, Farmington, CT. May 11, 2004.
20. “Adherence”. Clinical care symposium on the management of HIV infection in women. Phnom Penh, Cambodia July 8-11, 2004.
21. “Research Development”. Workshop on research preparedness. Sihanouk Hospital Center of HOPE. Phnom Penh, Cambodia November 12, 2004.
22. “How to write a research proposal”. Workshop on research preparedness. Sihanouk Hospital Center of HOPE. Phnom Penh, Cambodia November 16, 2004.
23. “Preventing mother to child HIV transmission – update on the latest issues and findings”. Med/Peds forum. Rhode Island Hospital. 18 May 2005.
24. “A 36 Month Longitudinal Study of Cervicovaginal HIV-1 Shedding”. Women and Infants Hospital, Providence, RI. Regional Meeting for BIRCWH Scholars Program. May 31, 2005.
25. “Adherence in the scale-up of antiretroviral therapy in Asia”. Satellite session: Quality ARV Treatment – The Challenges of Scaling Up. President’s Emergency Plan for AIDS Relief. 7th International Congress on AIDS in Asia and the Pacific”. Kobe, Japan. 2 July 2005
26. “Pediatric HIV Infection: an overview”. Medical Grand Rounds, You’ An Hospital, Beijing, China. 19 July 2005.
27. “Pediatric HIV Infection: an overview”. Medical Grand Rounds, #8 Peoples Hospital, Guangzhou, China. 22 July 2005.
28. “Pediatric HIV Infection: an overview”. Medical Grand Rounds, Wuhan University Zhongnan Hospital, Wuhan, China. 26 July 2005.
29. Symposium on Pediatric HIV Infection. Lixin, China 3 September -7 September 2005. Organizer and sole presenter for this National Center for AIDS-sponsored regional pediatric HIV treatment program initiation event.
30. “HIV and Tuberculosis in Children”. Wuhan, China 15 October 2005. Symposium on TB and HIV co-infection. Sponsored by Project Hope and Hubei Provincial HIV/AIDS Training Center, Medical School of Wuhan University.
31. Symposium on Pediatric HIV Infection. Zhengzhou, China 19 October 2005. Organizer and sole presenter for this National Center for AIDS-sponsored regional pediatric HIV treatment program.
32. Symposium on Pediatric HIV Infection. Dehong, China October 24th and 25th, 2005. Presented lectures on Pediatric antiretroviral therapy, opportunistic infections, adherence to therapy, immune reconstitution syndrome, and management of treatment failure. Sponsored by the National Center for AIDS/STD Control and Prevention, Chinese Center for Disease Control and Prevention.

33. Symposium on Pediatric HIV Infection. Shanxi, China. April 17-19, 2006. Presented lectures on Pediatric antiretroviral therapy, opportunistic infections, adherence to therapy, immune reconstitution syndrome, and management of treatment failure. Sponsored by the National Center for AIDS/STD Control and Prevention, Chinese Center for Disease Control and Prevention.
34. Symposium on Pediatric HIV infection. Dehong, China. April 24th and 25th, 2006. Presented lectures on Pediatric antiretroviral therapy, opportunistic infections, adherence to therapy, immune reconstitution syndrome, and management of treatment failure. Sponsored by the National Center for AIDS/STD Control and Prevention, Chinese Center for Disease Control and Prevention.
35. Training course on basic HIV/AIDS care and treatment for children, Hanoi, Vietnam. May 15th and 16th, 2006. Presented lectures on Pediatric antiretroviral therapy, opportunistic infections, adherence to therapy, immune reconstitution syndrome, and management of treatment failure. Sponsored by the Vietnam Administration for HIV/AIDS Control.
36. Training course on basic HIV/AIDS care and treatment for children, Ho Chi Minh City, Vietnam. May 15th and 16th, 2006. Presented lectures on Pediatric antiretroviral therapy, opportunistic infections, adherence to therapy, immune reconstitution syndrome, and management of treatment failure. Sponsored by the Vietnam Administration for HIV/AIDS Control.
37. Pediatric Grand Rounds, "Pediatric HIV and the Clinton Foundation HIV/AIDS Initiative: Barriers and bridges in resource-poor settings." Rhode Island Hospital/Hasbro Children's Hospital June 23, 2006.
38. Grand Rounds, "Pediatric Antiretroviral Therapy" Goroka Provincial Hospital, Goroka Papua New Guinea August 25, 2006.
39. National Pediatric HIV Training Conference, Beijing, China. Lectures on adherence, psychosocial support, and opportunistic infections. 9-12 November 2006.
40. National guidelines committee for pediatric antiretroviral therapy. Beijing, China. 13 November 2006.
41. "Pediatric Antiretroviral Therapy", academic lecture to Pediatric Registrars and staff, Port Moresby General Hospital, Papua New Guinea. 2 February 2007.
42. "Global threat of HIV among women: challenges and responses". Symposium at Brown University. Panel member addressing prevention and treatment in international settings. May 4-6, 2007.
43. Pediatric Grand Rounds, "Crossing the Mekong and Running Into the Great Wall: Barriers and Bridges to AIDS Care in Asia". Baystate Medical Center, Springfield, MA. 4 December 2007
44. "Evaluation and management of patients receiving antiretroviral therapy". Second line antiretroviral therapy technical training symposium. Zhengzhou China. December 12-14, 2007.

45. "HIV and Hepatitis Co-Infection." Annual Continuing Medical Education Symposium. Sihanouk Hospital Center of HOPE. Phnom Penh, Cambodia. October 6-10, 2008.
46. Semi-annual pediatric HIV care providers' network meeting. National Pediatric Hospital. Phnom Penh, Cambodia. October 22-24, 2008.
47. National Pediatric HIV/TB Workshop. University of Goroka. Goroka, Papua New Guinea. November 23-28, 2008.
48. National Pediatric HIV Workshop. Lae, Papua New Guinea. March 16-20, 2009.
49. Semi-annual pediatric HIV care providers' network meeting. National Pediatric Hospital. Phnom Penh, Cambodia. March 23-27, 2009.
50. Advanced Training on Pediatric ART. Ho Chi Minh City, Vietnam. June 15-19, 2009.
51. Advanced Training in Pediatric HIV. Kunming, China. July 7-9, 2009
52. "Pediatric HIV/TB Co-infection". Urumqi, China. 23 August 2009
53. "New WHO PMTCT Guidelines" and "Early Infant Diagnosis and Treatment". PMTCT training symposium. Urumqi, China, May 28-29, 2010.
54. "Diagnosis of common OI in children in resource limited settings". Ca Mao Hospital, Ca Mao Vietnam. 10 June 2010
55. "Medical therapy for pediatric HIV infection". Bac Lieu Provincial Hospital, Bac Lieu Vietnam. 11 June 2010.
56. "Isoniazid preventive therapy in patients with HIV". Goroka General Hospital. Goroka, Papua New Guinea. 2 July 2010.
57. "Provider Initiated Counseling and Testing". National Pediatric Hospital. Hanoi, Vietnam. 2-10 December 2010.
58. National Pediatric Antiretroviral Therapy Guideline Revision Review. Hanoi, Vietnam. 13 December 2010.
59. "Provider Initiated Counseling and Testing". Pediatric Hospital #1. Ho Chi Minh City, Vietnam. 8-10, 22-24 March 2011.
60. "Basic Pediatric HIV training for Papua New Guinea national program." Port Moresby, Papua New Guinea. 11-15 April 2011.
61. "Current updates in HIV care – heart disease, adolescent counseling, gynecologic complications, PMTCT, TB/HIV coinfection, and new guideline revisions." Mount Hagen, Papua New Guinea. 18-21 April 2011.
62. "Basic pediatric HIV training for Vietnam national program". Hanoi, Vietnam. 16-19 May 2011.
63. "Pediatric HIV in under-resourced settings". Brown International Advanced Research Institutes. Brown University 16 June 2011.
64. "Career opportunities in global health". Brown International Advanced Research Institutes. Brown University 22 June 2011.

65. “How to manage treatment failure with genotyping” and “Using tenofovir in a pre-pubertal child” in the workshop “Diagnosis and management of Pediatric Antiretroviral Therapy Failure”, sponsored by TREAT Asia, 19 August 2011, Hanoi, Vietnam.
66. “The global scale-up of HIV treatment 10 years on.” Chinese University of Hong Kong School of Public Health and Primary Care. 9 February 2012.
67. “Scale-up and decentralization of HIV treatment in Yunnan China.” St. Paul’s Hospital, University of British Columbia. Vancouver, BC, Canada. 26 April 2012
68. “Atazanavir – a new preferred protease inhibitor for 2nd line HIV treatment”. Sponsored by the Cambodia Ministry of Health National Center for HIV, AIDS, Dermatology, and STD. Khmer Soviet Friendship Hospital. Phnom Penh, Cambodia. 22 May 2012.
69. Orientation and launch of Cambodia pediatric clinical mentoring program. “What is mentoring”, Technical modules in pediatric antiretroviral therapy – 1) Switching children from d4T to AZT; 2) Assessing drug toxicity; 3) Assessing treatment failure; 4) Switching from first to second line. Sponsored by the Cambodia Ministry of Health National Center for HIV, AIDS, Dermatology, and STD. National Pediatric Hospital, Phnom Penh, Cambodia. 29-30 May 2012.
70. “Pediatric HIV in under-resourced settings”. Brown International Advanced Research Institutes. Brown University 14 June 2012.
71. Workshop on General Pediatric HIV and Lipodystrophy Management, Sponsored by Cipto Mangunkusumo General Hospital and TREAT Asia. “Management of Common Opportunistic Infections”, “Clinical and laboratory monitoring while on antiretroviral therapy”, “Diagnosis, staging, and initiation of ART”, “Adherence counseling”, “Managing TB co-infection while on antiretroviral therapy”. Jakarta, Indonesia 28-29 May 2013.
72. WHO 2013 consolidated guidelines on the use of antiretrovirals for the treatment and prevention of HIV: Technical support network in Asia and the Pacific. “Opportunities for Implementation Research in the Treatment of Children with HIV”. Beijing, China, 16-18 Sept 2013.
73. WHO Technical Consultation on Size Estimation Among Key Populations Most at Risk for HIV in Asian Countries. “Brown University, Clinton Health Access Research and Programs”. Hong Kong, China. 23-25 September 2013.
74. Advanced training on pediatric HIV care and treatment. Hue General Hospital. Hue, Vietnam. 5-6 May 2014. Lectures on management of TB/HIV co-infection, neurologic complications of HIV in infants, updates on new WHO guidelines.
75. Chancellor’s Health Policy Forum on HIV Prevention and Control in the Philippines. University of the Philippines, Manila. 11 July 2014. Lecture on Pediatrics and HIV.
76. National Training Workshop on Pediatric Antiretroviral Treatment, National Center for AIDS/STD Control and Prevention, Beijing, China. 29 July -1 August 2014. Lectures on the use of antiretroviral drugs in children, co-infections, recent guidelines revisions and research findings, early infant diagnosis and treatment and prevention of mother to child transmission.

77. Clinical and Laboratory Monitoring in Hepatitis C. 1st National Consultative Meeting on Viral Hepatitis in Myanmar. 17 November 2014. Nay Pyi Taw, Myanmar.
78. Pushing the Viral Hepatitis Eradication Agenda Forward. Panel discussion on Public Health Advocacy and Access to HCV Therapy. 2nd International HIV/Viral Hepatitis Co-infection Satellite Meeting. 18 July 2015. Vancouver, Canada.
79. Meeting on Dissemination of National Guidelines on Management of Opportunistic Infections and Antiretroviral Therapy for Adults, Adolescents and Children. Phnom Penh, Cambodia. 28 November 2016. “ART regimen, side effect, monitoring (CD4&VL), management of failure”.
80. Training on the Use of Lopinavir Pellets. Local hospital presentation sponsored by the Ministry of Health of Cambodia. National Pediatric Hospital. Phnom Penh, Cambodia. 29 November 2016.
81. HIV Stakeholder Meeting to Develop Consensus on Lao PDR’s Adoption Strategy for the Recent WHO Consolidated Guidelines. National meeting convened by the Lao PDR Ministry of Health. Vientiane, Lao PDR. 20-24 February 2017.
82. Lao PDR’s Introduction of Dolutegravir-Based FDC (TLD), convened by the Lao PDR Ministry of Health. 5 Presentations on the use of dolutegravir as part of antiretroviral therapy of HIV. Thalat, Lao PDR. 7 May 2018.
83. NASCOP Super ECHO Hub Session – Management of Advanced HIV Disease. Internet-based webinar from Nairobi, Kenya. 24 May 2018.
84. Lao PDR 11th HIV National Workshop on HIV Patient Management – Review of antiretroviral therapy available in Laos and discussion of dolutegravir incorporation; Update of WHO HIV Guidelines. 3-4 September, 2018. Vientiane, Laos PDR.
85. Roundtable discussion on enhancing access to newer HIV and hepatitis C medicines in the Asia and Pacific region. Presentation on Transitioning to dolutegravir in low- and middle-income countries. Sponsored by TREAT Asia. 25-26 September 2018. Bangkok, Thailand.
86. Training on global and national HIV updates focusing on recent scientific findings. Lectures on dolutegravir use in special populations, treatment optimization in children living with HIV, transitioning adolescents to adult care, treatment failure in children, pediatric case finding, management of advanced HIV disease and PMTCT. Organized by the Ethiopian Federal Ministry of Health. 1-3 October 2018. Adama, Ethiopia.
87. Technical Review Group for Adult and Pediatric Antiretroviral Therapy in India. Organized by the National AIDS Control Organization. 23-24 October 2018. Delhi, India.
88. 2019 HIV Scientific Workshop, Kigali, Rwanda, 6-9 August 2019. Organized by Rwanda Biomedical Center for the purpose of reviewing new scientific evidence for national guidelines revision. Delivered talks on pediatric HIV and care of adolescents with HIV.
89. Global HIV-TB Coinfection Diagnosis and Treatment Progress and New Perspectives. China National TB-HIV Coinfection Workshop. Jiujiang, Jiangxi China. Hosted by the Jiangxi Provincial CDC. 20 August 2019.

GRANTS

1. Fogarty AIDS International Training and Research Program (NIAID TW000237). Coordinator of Cambodian programs. Co-investigator. \$3,273,364. 1 June 2005 – 31 May 2010
2. HIV Prevention Trials Network (NIAID U01 AI48040). Site representative for STD working group. Involved in microbicide trials and perinatal working group. Co-investigator. \$1,945,962. 1 July 2000 – 30 June 2005.
3. “Pilot study of genital tract and blood plasma virology and pharmacology in HIV-1 infected women” (Rhode Island Foundation 20020737). Principal Investigator. \$10,000. 21 February 2002 - 1 December 2002
4. “Clinical evaluation of Vironostika HIV-1 plus o microelisa system” (Biomerieux 226034). Principal investigator. \$21250.00. 1 August 2001 – 31 July 2002
5. “Sexual risk and HIV/STD in vulnerable Cambodian females” 1R03TW005925-01 Fogarty International Center (Gorbach). Co-investigator. \$96,000. 1 October 2001 - 1 February 2009.
6. “HIV, abuse, and psychiatric disorders among youth” (NIMH 1R01MH061149-01). Co-investigator. \$37,000. 30 September 2000 – 21 January 2003.
7. Scholar in the "Building Interdisciplinary Research Careers in Women's Health (BIRCWH Scholars) Program," NIH Grant K12 HD043447, (Coustan) to Women & Infants. Principal Investigator. \$300,000. 1 January 2003 – 31 December 2005.
8. Establishing a Women’s HIV Clinic in Phnom Penh, Cambodia: Clinical and Research Training and Development (World AIDS Foundation 320 (03-038), Harwell). Principal Investigator. \$105,000. 1 September 2003 – 31 December 2005.
9. Genital Tract HIV Shedding in Cambodian Women (1 R03 TW006981-01, Harwell). Principal Investigator. \$96,000. 1 April 2004 – 31 March 2009.
10. “Clinical Training in Pediatric HIV Care in Clinton Foundation Partner Countries” (Clinton HIV/AIDS Initiative). Principal Investigator. \$83,655. 1 January 2006-31 December 2007.
11. “Supplement for RCR Training in Cambodia” (5D43TW000237, Cu-Uvin). Co-investigator. \$50,000. 1 September 2011 - 31 August 2012.
12. “A randomized controlled trial to assess the effect of peer support to children with HIV in relation to adherence, virological treatment failure as well as physical and cognitive development” Government of Sweden (Larson). Co-investigator. \$387,000. 1 November 2011 – 31 October 2014.
13. Risk factors for infection by *Neisseria gonorrhoeae* harbouring reduced susceptibility to cephalosporins in Hong Kong. (Research Fund for Control of Infectious Diseases, Hong Kong Food and Health Bureau) (Hui) \$250,000 HKD. 4 October 2013 – 3 October 2014.
14. Molecular epidemiology and evolutionary genetics study of *Neisseria gonorrhoeae* with decreased susceptibility to cephalosporins between Hong Kong and Guangdong. (Direct

Grant for Research 2013/2014 (Round 1), CUHK Research Committee) (Harwell) Principal Investigator. \$80,000 HKD.

15. Molecular screening for community-based cephalosporin-resistant *Neisseria gonorrhoeae* in key populations in Hong Kong. (Hong Kong Health and Medicine Research Fund (Research Grant 14130102)) (Harwell) Principal Investigator. \$992,171 HKD.
16. “Darunavir/ritonavir and dolutegravir combination as a backbone for third line antiretroviral regimen in Cambodia.” (ANRS ECTZ46920)(Ly) Co-Investigator. €173,194 euros.
17. “Acceptability of Dolutegravir-Based Regimens for First-line Antiretroviral Treatment in Uganda.” and “Acceptability of Dolutegravir-Based Regimens in Alternate First-Line HIV Antiretroviral Therapy for Adult and Adolescent Patients in Nigeria.” (Unitaid)(Amole) Co-Investigator. 2017-2018.