

CURRICULUM VITAE

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EDUCATIONAL BACKGROUND

UNIVERSITY EDUCATION

1984 – 1989	Medical School University of Nairobi.	Bachelor of Medicine and Bachelor of Surgery.
1992 – 1998	University of Nairobi	Master of Medicine in Internal Medicine.

FELLOWSHIPS

2000 - 2001	Medical Informatics	Indiana University, USA.
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WORK EXPERIENCE

July 1989 – July 1990 - Internship at Kisii Hospital

Aug. 1990 – Dec1990 - Medical officer at Kendu Adventist Hospital Kendu Bay

Jan.1991 – Oct. 1992 - Medical officer at Machakos General Hospital, Machakos

Nov.1992 – Feb 1998 – Postgraduate training at the University of Nairobi and Registrar, Division of Medicine, Kenyatta National Hospital.

Mar. 1998- Nov.1998 – Registrar, Department of Medicine, Aga Khan Hospital Nairobi.

Dec.1998- June 1999 - Medical superintendent and Physician,Machakos General Hospital and acting Medical officer of health Machakos District.

July 1999 - 2005 - Lecturer in Medicine, Moi University, Department of Medicine

July 1999- Date - Consultant Physician Moi Teaching and referral Hospital

July 1991 – Date- Physician in charge tuberculosis and chest Clinic, MTRH.

Dec 2001- Physician AMPATH clinics MTRH.

July 2005 – Date Senior Lecturer in Medicine, Moi University
June 2006 - WHO consultant TB/HIV collaboration.
April 2006- 2012- Chairman/coordinator postgraduate committee department of
Medicine
September 2008 – 2015 Head Department of Medicine, Moi University.

October 2009 – Date, Chairman Adult Medicine Research Working Group.
October 2009- Date, Chairman Tuberculosis working group
July 2010- date: External Examiner University of Nairobi, College of Health Sciences.
September 2012- Associate program Manager, Research and Training, AMPATH plus
Program.

June 2013- External Examiner, School of Medicine, Egerton University

June 2013- Associate Professor of Medicine
November 2015 – External Examiner Maseno University
PROFESSIONAL SOCIETIES

- 1989 - Member, Kenya Medical Association
- 1998 - Member, Kenya Association of Physicians
- 2002 - Member International Union Against Tuberculosis and Lung Disease.
- 2003 - Member American Thoracic Society
- 2004- Member Pan African Thoracic Society
- 2004- Member Kenya Association for Prevention of Tuberculosis and Lung
Disease
- 2015- Member European Respiratory Society

RESEARCH AND PUBLICATIONS

- 1) **Diero L.O.** Echo-cardiographic assessment of cardiac function in patients with Diabetes mellitus without overt heart diseases at Kenyatta National Hospital (M.Med. Thesis)
- 2) Bhatt Km, Bhatt SM, **Diero LO**, Omonge E. Efficacy and tolerability of a sequential artesunate suppository- mefloquine in treatment of severe falciparum malaria. (Trop. Med. Hyg. Vol.24 suppl.4, 1996,pp59 – 63)
- 3) Ngindu AK, Kamar A, Maritim A, **Diero L**, Smith J, Bartlett M. Survey of fecal parasites in patients from Western Kenya. J. Egypt. Soc. Parasitol. , 32 (1), 2002: 1-7.
- 4) Maritim AC, kamar K, Ngindu A, **Diero L**, Smith J, Sidle J. Safranin staining of cyclospora oocysts not requiring a microwave. Brit J of Biomed Sci 2002; 59: (2)
- 5) **Diero L**, Stiffler T, Bartlett M, Einterz R, Tierney WM. Can data from an electronic medical record identify which patients with pneumonia have Pneumocystis carinii Infection ? Int. J.Med.Informat (2004) 73, 743-750.

- 6) Hannan TJ, Rotich JK, Smith FE, Bii J, Einterz RM, Odero W, **Diero L**, Simiyu C, Biondich P, Mamlin BW, Tierney WM. Technological and human factors affecting utilization of a computer patient record in western Kenya (MEDINFO 2004, San Francisco, CA).
- 7) Kaloustian KW, Kimaiyo S, **Diero L**, Siika AM, Sidle J, Yiannoustos C, Misick B, Einterz R, Fife KH, Tierney WM. Viability and effectiveness of large scale HIV treatment initiative in sub-Saharan Africa. *AIDS*.2006 Jan 2;20(1): 41-48.
- 8) **Diero L**, Rotich JK, Bii J, Mamlin BW, Einterz RM, Kalamai IZ, Tierney WM. A computer-based medical record system and personal digital assistants to assess and follow up patients with respiratory tract infections visiting a rural Kenyan health centre. *BMC Med Inform Decis Mak*.2006 Apr 10;6:21
- 9) **Diero LO**, Shaffer D, Kimaiyo S, Siika AM, Rotich JK, Smith FE, Mamlin JJ, Einterz RM, Justice AC, Carter EJ, Tierney WM. Characteristics of HIV infected patients cared for at “ Academic model for the prevention and treatment of HIV/AIDS” clinics in western Kenya. *East Afr. Med J*. 2006 Aug; 83(8): 424-433.
- 10) Ayuo PO, **Diero LO**, Owino-Ong’or WD, Mwangi AW. Causes of delay in diagnosis of pulmonary tuberculosis in patients attending a referral hospital in western Kenya. *East Afr. Med.J*.2008 Jun; 85(6):263-8.
- 11) Rami Kantor, **Lameck Diero**, Allison DeLong, Lydia kamle, sarah Muyonga, Fidelis Mambo, Eunice Walumbe, Wilfred Emonyi, Philip Chan, E Jane carter, Joseph Hogan, Nathan Buziba. Misclassification of first line antiretroviral treatment failure based on immunological monitoring of HIV infection in Resource-limited setting. *Clin.Infect.Dis* . 2009 Aug 1; 49(3):454-62
- 12) R Scott Braithwaite, Kimberly A Nucifora, Constantin T Yiannoustous, Beverly Musick, Sylvester Kimaiyo, **Lameck Diero**, Melanie Bacon, Kara Wools-Kaloustian. Alternative antiretroviral monitoring strategies for HIV-Infected patients in East Africa: Opportunities to save more lives. *J. Int. AIDS Soc* 2011 July 30; 14:38
- 13) Sika Am, Wools-Kaloustian, Mwangi AW, Kimaiyo SK, **Diero LO**, Ayuo PP, Owino-Ongor WD, Sidle JE, Einterz RM, Yianoustous CT, Music B, Tierney WM. Risk factors for death in HIV- infected adult African patients receiving antiretroviral therapy. *East Afr Med J*. 2010; 87: 50-58
- 14) Elvin Geng, Peter W Hunt, **Lameck Diero**, Geoffrey R Somi, Sylvester Kimaiyo, Pius Okong, Daniel R Bangsberg, Mwebesa Bwana, Craig R Cohen, Paula Braitstein, Beverly Musick, Constantin Yianoustous, Kara Wools- Kaloustian. Trends in HIV- Infected patients accessing antiretroviral therapy in Kenya, Uganda and Tanzania between 2002 and 2009. *J. Int. AIDS Soc*. 2011 Sept 28; 14:46
- 15) D. Oyieng’o, P. Park, A. Gardner, G. Kisang, L. Diero, J. Sitienei, J. Carter: Community –based treatment of multi drug-resistant tuberculosis: early experience and results from western Kenya. *Public Health Action journal*. 2012 June 21; 2(2): 38-42 (5).
- 16) Abraham Sika, Constantin Yianoustous, Kara Wools, Lameck Diero, Sylvester Kimaiyo. Active Tuberculosis is associated with worse clinical outcomes in HIV- infected African patients on anti retroviral therapy. *PLos One*. 2013; 8(1): e53022
- 17) Marita Mann, Lameck Diero, Rami Kantor, Allison DeLong, Emmanuel Kemboi, Wifred Emonyi. Antiretroviral Treatment Interruptions induced by the Kenyan Post – Election Crisis are associated with Virological failure. *J Acquir Immune Defic Syndr*. 2013 Oct 1; 64(2): 220-4
- 18) Fenner Lucas, Marie Ballif, Claire Grabber, Venerandah Nhandu, Jean Claude Dusingize, Claudia P Cortes, Kathryn Anastos, Lameck Diero, Kara Wools

Kaloustian, Mathis Egger. Tuberculosis in Antiretroviral Treatment Programs in Lower Income Countries: Availability and use of Diagnostics. PLoS One Oct 2013; 8(10): e77697

- 19) Chi BH, Yiannoussos CT, Westfall AO, Newman JE, Zhou J, Cesar C, Mwango A, Mukumbi H, Martin JW, Bacon M, Thiebelt R. Universal definition of Loss to follow up in HIV treatment programs: A statistical analyses of 111 facilities in Africa, Asia and Latin America. International Epidemiologic Databases to Evaluate AIDS Collaboration. PLoS Med. 2011 Oct; 8(10): e 1001111.
- 20) Zhou J, Jaquet A, Bissagnene E, Musick B, Wools-Kaloustian K, Maxwell N, Boule A, Wehbe A, Wehbe F, Masys D, Iriundo-Perez J, Law M. Short term risk of anemia following initiation of combination antiretroviral treatment in HIV-Infected patients in countries in Sub-Saharan Africa, Asia-Pacific, and Central and South America regions of the International Epidemiologic Databases to Evaluate AIDS. J Int AIDS Soc. 2012 Jan 30; 15(1): 5
- 21) Sika AM, Yiannoussos CT, Wools-Kaloustian KK, Musick BS, Mwangi AW, **Diero LO**, Kimaiyo SN, Tierney WM, Carter JE. Active Tuberculosis is associated with worse clinical outcomes in HIV-Infected African patients on anti retroviral therapy. PLoS One. 2013; 8(1):e53022
- 22) Avila D, Althhoff KN, Mugglin C, Wools-Kaloustian KK, Koller M, Dabis F, Nash D, Gsponer T, Wolff M, Collier A, **Diero L**, Wabwire D, Wandeler G, Boule A, Sterne C, Sterne JA, Egger M. Immunodeficiency at the start of combination antiretroviral therapy in low- middle- and high income countries. IeDEA and ART Cohort Collaboration. J. Acquir Immune Defic Syndr. 2014 Jan 1; 65(1): e8-16.
- 23) B W Ndege, **L O Diero**, MO Owiti, G Anjichi, AM Sika. Prevalence, treatment and control of hypertension among type 2 diabetic patients at Moi Teaching and Referral Hospital, Eldoret, Kenya. East Afr. Med. J. August 2014; 91(8): 253-260
- 24) Catalani C, Green E, Owiti P, Keny A, **Diero L**, Yeung A, Israelski D, Biondich P. A clinical decision support system for intergrating tuberculosis and HIV in Kenya: a human-centered design approach. PLoS One. 2014 Aug 29; 9(8): e103205
- 25) Ballif M, Nhandu V, Wood R, Dusingize JC, Carter EJ, McGowan CC, Diero LO, Grabber C, Renner L, Du QT, Sterling TR, Egger M, Fenner L. Detection and management of drug-resistant tuberculosis in HIV-infected patients on lower-income countries. International Epidemiologic Databases to Evaluate AIDS (IeDEA). Int. J. Tuberc Lung Dis. 2014 Nov; 18(11): 1327-1336.
- 26) Kantor R, De Long A, Belamare M, Schreier L, Lloyd RM Jr, Injera W, Kamle L, Mambo F, Muyonga S, Katzenstein D, Hogan J, Buziba N, **Diero L**. HIV diversity and drug resistance from plasma and non-plasma analytes in a large treatment program in western Kenya. J. Int. AIDS Soc. 2014 Nov 18; 17:19262
- 27) Duda SN, Farr AM, Lindergren ML, Wester CW, Wools-Kaloustian KK, Egger M, Moore RD, MacGowan CC, Nash D. Characteristics and comprehensiveness of adult HIV care and treatment programs in Asia-Pacific, Sub-Saharan Africa, and the Americas: results of a site assessment conducted by the International Epidemiologic Databases to Evaluate AIDS (IeDEA) Collaboration. J.Int. AIDS Soc. 2014 Dec 15; 17: 19045
- 28) Rachlis B, Ochieng D, Geng E, Rotich E, Ochieng V, Maritim B, Ndege S, Naanyu V, Martin JN, Keter A, Ayuo P, **Diero L**, Nyambura M, Braitstein P. Implementation and operational research; evaluating outcomes of patients lost to follow-up in a large comprehensive care treatment program in western Kenya. J. Acquir. Immune Defic. Syndr. 2015 Apr 1; 68(4): e46-55.

- 29) Laker-Oketta MO, Wenger M, Ssemeere A, Castelnouve B, Kambugu A, Asirwa FC, Busakhala N, Buziba N, **Diero L**, Wools-Kaloustian KK, Strother RM, Bwana M, Muyindike W, Martin J. Task shifting and skin punch for the histologic diagnosis of Kaposi Sarcoma in Sub-Saharan Africa: a public health solution to a public health problem. *Oncology* 2015 Feb 27.
- 30) Green EP, Catalani C, **Diero L**, Carter EJ, Gardner A, Ndwiga C, Keny A, Owiti P, Israelski D, Biondich P. Do clinical decision-support reminders for medical providers improve isoniazid preventive therapy prescription rates among HIV-Positive adults? : study protocol for randomized controlled trial. *Trials*.2015 April 9; 16(1): 141.
- 31) P Owiti, R Zachariah, K Bissell, AMV Kumar, **L Diero**, EJ Carter, A Gardner. Integrating Tuberculosis and HIV services in rural Kenya: uptake and outcomes. *Public Health Action*. 2015 March 21; 5(1): 36-44.
- 32) Elvin H Geng, Thomas A Odeny, Rita E Lyamuya, Alice Nakiwagga, **Lameck Diero**, Mwebesa Bwana, Winnie Muyandike, Paula Braitstein, Elizabeth Bukusi, Kara-Wools Kaloustian, Constantin Yiannoustos, Jeffrey N Martin. Estimation of Mortality among HIV-infected people on antiretroviral treatment in East Africa: a sampling based approach in an observational multi site, cohort study. *The Lancet HIV* 03/2015; 2(3): e107-e116.
- 33) William M Tierney, John E Sidle, **Lameck O Diero**, Allan Sudoi, Jepchirchir Kiplagat, Stephen Macharia, Chungyu Shen, Ada Yeung, martin C Were, James E Slaven, Kara-Wools Kaloustian. Assessing the impact of a primary care electronic medical record system in three Kenyan rural health centers .*J Am Med Info Assoc*.2015 Aug 9.
- 34) D. Huis In't Veld, E Belestre, F Dabis , **L Diero**, C Yiannoustos, C Hoffman, R Colebunders. Determinants of weight evolution among HIV-infected patients initiating antiretroviral treatment in low resource settings, the IeDEA Collaboration. *J Acquir Immune Defic Syndr*.2015 Oct 1; 70(2):146-154
- 35) Saito Suzue, Mpofo Philami, Carter E Jane, **Lameck Diero**, Wools-Kaloustian, Yiannoustos Constantin. Declining TB incidence among people receiving HIV care and treatment services in East Africa, 2007- 2012. *J.Acquir Immune Defic Syndr*.2015 Nov 11.
- 36) Katherine Brooks, Allison De Long, Maya Belamane Leean Schreier, Millicent Orido, Mary , Philip Chan, Emonyi, **Diero L**, Coetzer, Kantor R. Hemaspot, a Novel blood storage Device for HIV-1 Drug Resistance Testing. *J. Clin Microbiol*.2016 Jan;54(1):223-5.
- 37) Camlins CS, Neilands TB, Odeny TA, Lyamuya R, Nakiwoga-Muwanga A, **Diero L**, Bwana M, Braitstein P, Somi G, Kambugu A, Bukusi EA, Glidden DV, Wools-Kaloustian KK, Wenger M, Yiannoustos C, Martin J .Retention in care and patient reported reasons for undocumented transfer or stopping care among HIV infected patients on Anti-Retroviral therapy in Eastern Africa: Application of sampling based approach. *Clin.Infect Dis*.2015 Dec 17.
- 38) Austin H, Hogan JW, Luo X, DeLong A, Wu Y, Sunee S, Kumarasammy N, Zhang F, **Diero L**, Buziba N, Istrail S, katzenstein D, Kantor R. Global comparison of drug resistance mutations following first line antiretroviral therapy across HIV-1 subtypes. *OFID* Nov 3, 2015.
- 39) Oduor CA, Keter A, **Diero LO**, Sika AM, Williams L. Stroke types, risk factors, quality of care and outcomes at a referral hospital in western Kenya. *East Afr. Med J*. Vol 92, No 7 (2015).

- 40) Camlins CS, Neilands TB, Odeny TA, Lyamuya R, Nakiwoga-Muwanga A, **Diero L**, Bwana M, Braitstein P, Somi G, Kambugu A, Bukusi EA, Glidden DV, Wools-Kaloustian KK, Wenger M, Geng EH. Patient reported factors associated with reengagement among HIV-infected patients disengaged from care in East Africa. EA-IeDEA Consortium. *AIDS*, 2016 Jan; 30(3):495-502.
- 41) Nakanjako D, Kirraga A, Yiannoutsos C, Wools-Kaloustian K, **Diero L**, Oyaró P, Lugina E, Ssali J, Kambugu A, Easterbrook P. Frequency and impact of suboptimal immune recovery on first line antiretroviral therapy (ART) within IeDEA-East Africa Cohort. *AIDS*. 2016, March 8.
- 42) Simiyu BW, Mining SK, **Diero LO**, Ndede I, Emonyi W, Namasake DN, Masengeli NL. CCR5 Co Receptor expression on circulating CD4+ lymphocytes in HIV-1 patients at Moi Teaching and Referral Hospital, Eldoret Kenya. *International Journal of Development Research* Vol.07, Issue 11, PP 17368-17370, November, 2017
- 43) Brooks K, **Diero L**, DeLong A, Balamare M, Reitsma M, Kemboi E, Orido M, Emonyi W, Coetzer M, Hogan J, Kantor R. Treatment failure and drug resistance in HIV-1 positive patients on Tenofovir-based first line antiretroviral therapy in western Kenya. *J Int AIDS Soc.* 2016 May 25; 19(1): 20798.
- 44) Stucki D, Brites D, Cuscalla M, Liu Q, Trauner A, Fenner L..... **Diero L**, Gagneux S. Mycobacterium tuberculosis lineage 4 comprises globally distributed and geographically restricted sublineages. *Nature Genetics* 2016 Dec; 48(12): 1535-1543.
- 45) Barshetyn A, Odeny TA, Lyamuya R, Nakiwoga M, **Diero L**, Bwana M, Geng EH. The Causal effect of tracing by peer health workers on return to clinic among patients who were lost to follow up from antiretroviral therapy in Eastern Africa: A “natural experiment” arising from surveillance of lost patients. *Clin Infect Dis.* 2017 Jun 1; 64(11):1547-1554.
- 46) Liu T, Hogan JW, Daniels MJ, Coetzer M, Xuy, Bove G, Orido M, **Diero L**, Kantor R. Improved HIV-1 viral load monitoring capacity using pooled testing with Marker-Assisted deconvolution. *J. Acquir Immune Defic Syndr.* 2017 Aug 15; 75(5): 580-587.
- 47) Coetzer M, Ledinhham L, **Diero L**, Kemboi E, Orido M, Kantor R. GP41 and gag amino acids linked to HIV-1 protease inhibitor-based second line failure in HIV-1 subtype A from western Kenya. *J. Int AIDS Soc.* 2017 Nov; 20(3).
- 48) Coffie PA, Egger M, Vanikeorny, Zannan M, **Diero L**, Pattassi A, Ocama P Wandeler G. Trends in hepatitis B virus testing practices and management in HIV clinics across sub-Saharan Africa. *BMC Infect Dis.* 2017 Nov 1; 17(Suppl): 706
- 49) Holmes CB, Yiannoustous C, Elul B, Bukusi B, Ssali J, Kambugu A, Musick B, **Diero L**, Wools-Kaloustian K. Increased prevalence of pregnancy and comparative risk of program attrition among individuals starting HIV treatment in East Africa. *PLOS One* 2018 Jan 17; 13(1): e 0190828.

CONSULTANCIES

- 1) Public Private partnerships in TB/HIV: Experiences in Kenya. August 27th – August 31st 2007, Nairobi Kenya. Done on Behalf of the World Health Organization Stop TB Department.
- 2) Evaluation of the Botswana National Isoniazid Preventive Therapy Program (IPT). May 19th- May 27th 2008, Botswana. Done on Behalf of the Botswana National Tuberculosis Program, United States Centre for Disease Control and Prevention and the Stop Tb department of the world Health Organization.
- 3) Implementing Community based management of MDR TB in Nyanza Province , Kenya. Done on Behalf of CDC/KEMRI Kenya.

TECHNICAL REPORTS.

- 1) Promoting the implementation of collaborative TB/HIV activities through public-private mix and partnerships. Report of a WHO consultation 27th -28th February 2008, WHO Headquarters Geneva, Switzerland.

PUBLISHED ABSTRACTS

- 1) **L Diero**, N. Buziba, R. Kakai, C. Akoru, J. Smith, EJ Carter and P Mathur. Bronchoalveolar lavage (BAL) in AIDS related pulmonary infiltrates in western Kenya. *Am J Respir Crit Care Med* 2003;167; A577.
- 2) **Diero L**, Rotich J, Bii J, Einterz R, mamlin J, Tierney WM. Development of a community database on the care of patients with respiratory tract infections in a rural Health Center. *Int J Tuberc Lung Dis* 2002, 6(10): S86
- 3) **Diero L**, Akoru C, Buziba N, Kakai R, Carter J. Bronchoalveolar lavage for diagnosis of infections in AIDS patients in Eldoret, Kenya. *Int J Tuberc Lung Dis* 2002, 6(10): S86

PAPERS PRESENTED IN INTERNATIONAL AND LOCAL SCIENTIFIC CONFERENCES.

- 1) **Diero L**, Buziba N, Kakai R, Akoru C. Role of Bronchoscopy in HIV infected patients. Kenya Medical Association, Annual scientific Conference, April 24th to 28th 2002, Eldoret, Kenya.
- 2) **Diero L**, Ogolla EN, Toroitich J, Njenga E. Echocardiographic assessment of cardiac function in patients with diabetes mellitus without overt heart diseases at KNH, Nairobi. Kenya Cardiac Society, Annual Scientific Conference, September 1998, Nairobi, Kenya.
- 3) Mwandumba H, **Diero L**, Nyirenda M, Squire B, Mathur P, Smith J, Bartlett M. Detection of opportunistic infections in immunocompromised individuals using histochemical stains of bronchoalveolar lavage (BAL) specimens. Annual Scientific conference of the American Society of Tropical Medicine and Hygiene, Denver, Colorado USA, November 10- 14, 2002.
- 4) **Diero L**, Shaffer D, Kimaiyo S, Siika A, Carter J, Mamlin JJ, Tierney W, Einterz R.: Characteristics of HIV/AIDS patients cared for at Moi Teaching Hospital. 13th International conference on AIDS and STIs in Africa Nairobi 2003, September 21st- 26th 2003. Program Supplement pg 21.
- 5) **Diero L**, The Mosoriot Medical Record System: Capturing clinical care data for patients with respiratory diseases in Rural Kenya. Grand round presentation, Brown University, Rhode Island, USA October 20th 2002
- 6) **Diero L**, Use of Electronic Medical Records in Patient care, research and teaching. Moi University-Indiana University Medical Informatics conference, faculty of Health Sciences, Moi University, February 2002.
- 7) **Diero L**. Understanding opportunistic infections in febrile inpatients with HIV infection. Moi University- Indiana University (IRB-IREC) Conference on Human subjects protection.
- 8) **Diero L**. Management of Malaria using Artemisinin Derivatives: Kenya Medical Association- Sanofi~Synthelabo continuing Medical Education. Sirikwa Hotel, Eldoret Kenya July 18th 2003.
- 9) **Diero L**. Treatment of Tuberculosis in HIV/AIDS Patients. NLTP meeting, Eldoret.
- 10) **Diero L**, Rotich J, Einterz R, Mamlin J, Bii J, Tierney WM. Using informatics tools to develop a community database on respiratory tract infections for patients visiting a rural Kenyan Health center. HELINA conference on Communication and Information technology in the global fight against HIV/AIDS. 12-15 October 2003 Johannesburg, South Africa.
- 11) J Cohen, A Gardner, **L Diero**, EJ Carter. An assessment of feasibility and acceptability of directly observed therapy (DOT) for TB/HIV treatment in western Kenya. 34th World conference on Lung Health of the International Union Against Tuberculosis and Lung Disease (IUATLD). Paris, France.
- 12) **Diero LO**, Kimaiyo S, siika AM, Nyandiko W, Wools Kaloustian K, Carter EJ, Yiannoustus C, Musick B, Sidle J, Tierney WM. Delivery of antiretrovirals in adults: Experiences from AMPATH clinics in western Kenya. University of Nairobi STD/AIDS collaborative group Conference, January 23rd 2006, Nairobi Kenya.
- 13) **Lameck Diero**. Challenges of diagnosis of tuberculosis among people living with HIV/AIDS: Experiences from Eldoret, Kenya. WHO round table discussion at the 14th International Conference on AIDS and STIs in Africa. Dec 2005 Abuja Nigeria

- 14) **Diero LO**. Current trends in the treatment of malaria in Kenya, Kenya Medical Association- Continuing Medical Education. March 10 2006, Eldoret Kenya.
- 15) **Diero LO**, Isoniazid preventive therapy for people living with HIV/AIDS cared for in AMPATH clinics. Kenya Medical Association annual Scientific Conference, April 19th – 22nd Eldoret, Kenya.
- 16) **Diero LO**, Fife KH, Kaloustian KW, Sidle J, Dube M, Fife RS, Mureithi J, Mwangi A. Lipodystrophy in HIV infected patients on long term antiretroviral therapy in western Kenya. Kenya Association of physicians annual scientific conference, March 15 – 17th Eldoret, Kenya.
- 17) **Diero LO**, Carter EJ, Siika AM, Kimaiyo S, Gardner A, Yiannouistos CT, Musick BS, Wools-Kaloustian K. The Experience and outcomes of Isoniazid preventive therapy in an HIV treatment program in western Kenya. XVII International AIDS Conference, Mexico City, Mexico, 3-8 August 2008.
- 18) **Diero LO**, Community based approach to the treatment of drug resistant tuberculosis. Kenya Association of physicians annual scientific conference , Kisumu, Kenya, April 3rd – 7th 2011.
- 19) AM Sika, Wools Kaloustian, Kimaiyo SN, Mwangi A, **Diero LO**, Ayuo PO: Predictors of mortality in HIV infected adult African patients receiving highly active antiretroviral therapy. XVI International AIDS conference 13-18 August 2006. Toronto Canada.
- 20) AM Sika, C Yiannouistos , K Wools-Kaloustian, J Carter, **L Diero**, W Tierney. Effect of tuberculosis on antiretroviral therapy (ART) in adult African patients. XVII International AIDS Conference 3-8 August, Mexico City.
- 21) **Diero LO**. TB/HIV care: National and regional perspectives. 2nd Kenya International Scientific Lung Conference 5th- 8th October 2011, Nairobi, Kenya.
- 22) D. Onentia Oyengo, E Jane carter, Charles Sherman, **Lameck Diero**. Spirometric Evaluation of patients presenting to Moi Teaching and referral Hospital (MTRH) with dyspnea. American Thoracic Society.2012 International Conference, May 18-23, San Fransisco CA, USA.
- 23) Rami Kantor, Leann Schreir, Robert Lloyd, N. Kumarasamy, S. Saranivan, Fujie Zhang, Yasang Wu, **Lameck Diero**, W. Emonyi, Allison DeLong. Sample tankers and plasma genotyping of diverse HIV-1 subtypes from multiple geographic regions. XIX International AIDS conference July 22-27, Washington DC, USA.
- 24) K. Wools, E Were, **L Diero**, K Lane et al. Model Program: Integration of PMTCT, Pregnancy, and TB care provision issues in Kenya. 40th Union World Conference on Lung Health 3rd – 7th December 2009, Cancun, Mexico.
- 25) Marita Mann, **Lameck Diero**, Emmanuel Kemboi, Rami Kantor et al. HIV virological failure following the post election violence in western Kenya. 19th Conference on Retroviruses and opportunistic Infections (CROI) , Seattle, Washington, USA.
- 26) **Diero LO**. Managing Tuberculosis in the era of HIV and increasing drug resistance. Kenya association for the Prevention of TB and Lung Disease, KAPTLD CME, May 2012, Nyeri, Kenya.
- 27) Kantor R, **Diero L**, DeLong A, Balamane M, Lloyd RM, Injera et al. HIV diversity and drug resistance in western Kenya from plasma and non plasma genotyping. 18th International workshop;2009 June 9-13, Florida, USA.

- 28) **Diero L.** Tuberculosis care in AMPATH. International Epidemiologic Databases to Evaluate HIV/AIDS meeting. Munyonyo Resort, Kampala Uganda, March 2013.
- 29) **Diero L.** Isoniazid preventive therapy in HIV care settings : Feasibility, Outcomes and Challenges. National AIDS Control, PACE, University of Nairobi. Monthly clinical meetings, Silver Springs Hotel Nairobi. April 2013.
- 30) Mia Coetzer, Leeann Schreir, Austin Huang, Emmanuel Kemboi, Wilfred Emonyi, **Lameck Diero**, Rami Kantor. Drug resistance profiles from population and single genome sequencing in HIV-1 Non B subtypes. CROI, 2013, Florida, USA.
- 31) **Diero L.** Integrating TB/HIV databases in AMPATH clinics in Kenya. International Epidemiologic Databases to Evaluate AIDS meeting. Nyeri, Kenya 2011.
- 32) **Diero L O.** Achieving Asthma control in practice: Understanding the reasons for poor control, CME, Boma Hotel Eldoret, 2015.
- 33) **Diero L.** TB Tech: Decision support reminders and alerts for medical providers to improve tuberculosis care among HIV positive adults. Population council meeting, Silver Springs Hotel, Naorobi. 8th January 2015.
- 34) **Diero L.** Rifabutin based TB therapy in adult PLHIV on Lopinavir/Ritonavir based ART. NASCOP/DLTLD meeting Nairobi, 2014.
- 35) **Lameck Diero.** Institutional TB Care: Experiences from Moi Teaching and Referral Hospital, Eldoret, Kenya. Ninth Meeting of the Subgroup on Public-Private Mix for TB Care and control (PPM Subgroup) and Global Workshop on engaging large hospitals. Holiday Inn Silom, Bangkok Thailand 28th- 30th August 2013.
- 36) **Diero L O.** Integration of TB/HIV care: What are the gains? Kenya Association of Physicians conference, Boma Hotel, Eldoret, Kenya 15th – 18th March 2016.
- 37) **Diero L O.** Overview of the national Tuberculosis program activities and opportunities for linkages with lung cancer diagnosis and care program. Multinational Lung Cancer Control program conference. 25th -26th January 2018. Chandaria Cancer Center, Eldoret Kenya.
- 38) **Diero LO.** Prevention of lung cancer. Tobacco and Lung Cancer symposium. 28th February, Boma Inn, Eldoret, Kenya.

LETTERS

- 1) Carter EJ, Cohen J, **Diero L**, Lurie M, Flanigan T: Acceptability and feasibility of directly observed therapy for TB and HIV co-infection in Western Kenya. (Submitted to AIDS)

PAPERS UNDER REVIEW

- 1) **Lameck Diero**, Marita Mann, Emmanuel Kemboi, Fidelis Mambo, Wilfred Injera, Mary Rono, Alison DeLong, LEEAN Schreier, John Sidle, Kara Wools Kaloustian, Nathan Buziba, Rami Kantor. Antiretroviral Treatment interruptions induced by the Kenyan post-election crisis are associated with virologic failure. (Submitted to AIDS),
- 2) AM Siika, C Yianoustous, KW Kaloustian, B Musick, A Mwangi, L Diero, S kimaiyo, W Tierney. Tuberculosis adversely impacts clinical outcomes in HIV-infected African patients on antiretroviral therapy (Submitted to Plos Medicine).

MANUSCRIPTS IN PREPARATION.

- 1) The use of isoniazid preventive therapy in an HIV care and treatment program in western Kenya.
- 2) Utilization of health information technology in biomedical research in resource limited settings.
- 3) HIV Diversity and drug resistance in western Kenya from plasma and non-plasma genotyping.
- 4) Extensively drug resistant tuberculosis in a 40 year old female in Kenya: A case report.
- 5) Tuberculosis in antiretroviral treatment programs in lower income countries: availability and use of diagnostics and screening.

ON GOING RESEARCH WORK.

- 1) Development of a database on the care of patients with respiratory tract infections at a rural Kenyan Health center.
- 2) Causes of fever in HIV infected patients at the Moi teaching and referral Hospital.
- 3) Causes of pulmonary infiltrates in HIV infected patients in Western Kenya.
- 4) Prevalence of lipodystrophy in Kenyan patients on long term Stavudine therapy.

- 5) Retrospective study on the effect of fluconazole (diflucan) on the rates of tuberculosis and on the response to antitubercular medications of HIV – positive individuals.
- 6) HIV-1 genotyping diversity and drug resistance in western Kenya.
- 7) TB Tech: Clinical trial on IPT reminders
- 8) IeDEA: Kaposi Sarcoma incidence study, TB/HIV database.

GRANTS AND AWARDS

- 1) Principal Investigator, CIPRA Grant number RO3 AI56380-01. Establishing HIV/AIDS research in western Kenya.
- 2) Co investigator, Grant number AI25859-17. Causes of fever in HIV/AIDS patients requiring hospitalization at Moi teaching and referral hospital.
- 3) American Thoracic Society travel grant award, May 2003
- 4) The international Medical informatics Association (IMIA) Travel grant award.
- 5) Co investigator, International Epidemiologic Databases to evaluate AIDS (IEDEA) East African Regional Consortium.
- 6) Co- Investigator, Grant number 1R03-TW006234-01, Directly Observed Therapy (DOTS) for TB and HIV in Kenya.
- 7) CO-Investigatoer Electronic Medical Records to Improve patient care and Public Health in Rural Kenya, Supported by US Centers for Disease Control and Prevention.

COMMITTEE ASSIGNMENTS

- 1) Coordinator , TB/HIV collaborative activities in AMPATH clinics, western Kenya.
- 2) Member, Moi Teaching and referral Hospital Quality assurance committee.
- 3) Member, NIH/World Bank Steering committee on establishment of HIV/AIDS Biomedical research facility in Kenya.
- 4) Chairman, Department of Medicine postgraduate committee.
- 5) Member school of Medicine Postgraduate committee
- 6) Chairman, Adult Medicine Research working group
- 7) Chairman, Tuberculosis Working group

- 8) Member, Infection control Committee, MTRH.

ACADEMIC ACTIVITIES

Causes taught

- 1) Cause coordinator MSP 302, Digestive system, Nutritional and Metabolic disorders, 3rd Year Medical students.
- 2) Course Coordinator OPH 400, 4th year Medical students
- 3) Tutor, Introduction to Clinical Medicine for 3rd year Medicine class: History taking, general physical examination and examination of the respiratory system.
- 4) Bedside clinical teaching, Respiratory System examination, 4th and 6th year Medical students.
- 5) Tutor, group E 3rd year medical students
- 6) Overview lectures to 4th and 6th year medical students on various topics in internal medicine
- 7) Field Supervisor COBES 5 (Community based education and service): District hospital attachment, Medical students year 5.
- 8) Field Supervisor COBES 1, Rural health center attachment, Medical, Nursing and environmental Health students Year1

Post Graduate student Supervision

- 1) Dr. Ndirangu Wanjuki Reg No. IPG/PGH/27/2003: factors associated with tuberculosis treatment delay among Nomadic and settled people in Turkana District
- 2) Dr. Joseph K. Sitienei Reg No. IPH/PGH/14/2000: tuberculosis patient's ability and willingness to pay for tuberculosis management.
- 3) Abraham Kiptoo Kittur Reg No FHS/PGI/04/05: Humoral immunity to pneumocystis jirovecii in HIV patients co-infected with (PJP) at Moi teaching and referral hospital.

- 4) Monica Njoroge Reg No SPH/PGPH/04/03: Adherence to Tuberculosis treatment by patients co infected with Human Immunodeficiency Virus attending Moi Teaching and Referral Hospital.
- 5) Dr Abwao James Mboya Reg No SM/PGM/02/07: Prevalence and etiology of spontaneous bacterial peritonitis in patients admitted with ascites at Moi Teaching and Referral Hospital, Eldoret, Kenya
- 6) Dr Nyikuli Jared Omusakami Reg No SM'PGM/01/07: Body composition and dyslipidemia in new hypertensives diagnosed at Moi Teaching and Referral Hospital, Eldoret, Kenya
- 7) Dr Okoth Steve Biko Reg No SM/PGM/11/06: Seroprevalence of hepatitis B and C viruses among HIV infected patients at Moi Teaching and Referral Hospital, Eldoret, Kenya
- 8) Dr Joshua Nderitu Reg No FHS/PGM/05/05: Determinants of delayed testing and delayed presentation for HIV/AIDS care in the era of antiretroviral therapy (ART) among patients attending the comprehensive care clinic at Tenwek Hospital, Kenya.
- 9) Dr Wilson K Sugut Reg No FHS/PGM/04/04: Factors affecting acceptance of diagnostic testing and counseling for HIV at Moi Teaching and Referral Hospital, Eldoret, Kenya.
- 10) Joshua Nyarangi Mokaya Reg No SPH/PGH/19/2006: Social support self efficacy and depression as predictors of self care behaviors in type 2 diabetes mellitus patients at PCEA Chogoria Hospital, Meru, Kenya.
- 11) Wapang'ana Job Kisuya Reg No SM/PGI/04/06: Comparison of immune profiles with sputum smears status in tuberculosis patients co infected with Human Immunodeficiency Virus.
- 12) Dr Franklin Ikunda Mburugu Reg No SM/PGM/01/06: Socio demographic characteristics and control of blood pressure among hypertensive outpatients in Kijabe Hospital, Kenya.
- 13) Dr Ronald Kibet Tonui. Reg No SM/PGI/01/07. Evaluation of Urine lipoarabinomannan antigen test in diagnosis of mycobacterium tuberculosis infections among HIV infected patients in western Kenya.
- 14) Dorothy Jepkorir Mibei. Reg No SPH/PGH/1009/09. Tuberculosis management in Embakasi District: Patients perspectives.
- 15) Nancy Gatwiri Mbai. Reg No SPH/PGH/13/07. Comparison of laboratory diagnosis of cryptococcal meningitis using India ink and Cryptococcus antigen in HIV infected patients at Moi Teaching and Referral Hospital.

Clinical services provided

- 1) Consultant Physician Moi Teaching and Referral Hospital
- 2) Attending Physician, Medical ward 2 Firm 2.
- 3) Physician in charge, Chest Clinic and Tuberculosis services, Moi Teaching and referral hospital.
- 4) Attending, Chest clinic Mosoriot Rural Health Center.
- 5) Physician, AMPATH HIV Clinics.