



Dr. ODUNUKWE NKIRUKA NONYELUM

DEPUTY DIRECTOR / HOD
CLINICAL SCIENCE DIVISION

Dr. (Mrs) Odunukwe joined NIMR in February, 1996 as a Chief Research Fellow

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EDUCATION AND EXPERIENCE

University of Nigeria Teaching
Hospital, (UNTH), Enugu

Lab. Medicine FWACP 1995
with specialization in Haematology.

University of Jos.

Medicine MB.chB. 1984

Certificates Courses:

Nigerian Institute of Management
University of Lagos

General Management 1992
Fundamentals of Public Health 2003

SHORT TRAININGS ATTENDED

Blood Management training programme 2003

National ARV training (as Resource Person) 16th -19th February 2004

Training Course on Project Planning and Evaluation in Biomedical Research WHO/TDR 3th-7th
October 2005

Lagos State Blood Transfusion Monitoring and Evaluation Workshop 1st and 2nd March 2006

Training on logistic system for HIV /AIDS commodities March 6th -22nd 2006 (Jos Nigeria).

Scientific Training Workshop on Research Methodology and Proposal Writing @ NIMR, Yaba, Lagos. 12 13 December 2006.

NIMR/EDCTP Health Research Ethics Capacity Building workshop. 11-16th June 2007.

Workshop on Health Research Ethics for Ethics committees and Review boards in Africa (23rd - 27th July 2007 Dar es Salam, Tanzania.

AMANET Training Workshop for Data Safety & Monitoring Board (DSMB) Members from African Institutions 8-10, October 2007, Dar-es-salaam, Tanzania.

National Workshop on Health Research Grantsmanship.(OCTOBER 2008 Kaduna)

6th European Advanced HIV course Montpellier, France. September 2008.

First Annual NIMR Scientific Conference on Health Research in Nigeria. 10th - 12th December, 2008.
Venue: Nigerian Institute of Medical Research, Yaba, Lagos.

Second workshop on Advance Health Research ethics for investigators 23-27 February 2009, Dar-es-salaam, Tanzania.

SPECIAL DUTIES CARRIED OUT:

Resource person, integrated Management of Adult and Adolescent illnesses (IMAI) & integrated Management of Childhood illnesses (IMCI) Trainings 2007 to date.

Resource person TB/HIV Co-infection for DOTS center Workers, Global Fund for TB,/HIV and Malaria, 2007 to date.

Member Expert Committee on Harmonization of/Standardization of the Training Curriculum for Doctors on the use of ARVs in Nigeria 1st - 21st April 2005.

Resource person National ARV trainings 2005 to date.

Focal person National ARV program.

8. EMPLOYMENT RECORDS.

Appointments/Posts	Institutions	Dates
(a) Houseman ship	UNTH, Enugu.	1984-1985
(b) NYSC	Police Clinic, Enugu	1985-1986
(c) Residency Program	UNTH, Enugu.	
(i) Senior House Officer	"	1986 -1987
(ii) Registrar	"	1987-1989
(iii) Senior Registrar II	"	1989 -1990
(iv) Senior Registrar I	"	1990 -1994
(d) Lecturer II	College of Medicine Enugu	1994 -1995
(e) Chief Research Fellow		1996 -2006

Head of Genetics and blood disorders Division from 1998 to August 2004.

(f) PRESENT POST:

Deputy Director Research 2006 to date

Head of Clinical Science Division 2005 to date.

Brief Description of Work:

As HOD I perform Divisional supervisory and administrative duties as well as the following: -
Improvement of the quality of patient care delivery by all clinical personnel in the Division.
Supervision of all clinical care delivery at the Clinical Science Division of the Institute.

Supervision of the staff in Clinical Diagnostic laboratory.

Other functions are:-

Initiation and supervision of research work.

Writing and publishing research results.

Organization of seminars and scientific meetings as the Chairperson of scientific committee in NIMR.

Supervision of Resident doctors' part II fellowship and Laboratory Scientist's fellowship research projects.

Training of Medical doctors involved in HIV management.

Involved in HIV research with both local and international collaborations.

Research Physician, in Presidential Emergency Plan for AIDS Relief (PEPFAR).

Routine Clinical Responsibilities in diagnosis, care and management of HIV/AIDS and Haematological oncology patients attending NIMR clinic.

Divisional supervisory and administrative duties plus General Clinical Duties.

As the head of Division of Genetics and blood disorders from 1998 to August 2004, I performed administrative functions in the Division for the period as well as conducting and supervising research in the Division.

As a member of NIMR Institutional Review Board (IRB) Committee, I review research protocols submitted for IRB review.

I represent the Director General and the Institute in various National Committees.

I am a member of the Committee on National survey on resistance To Antiretroviral Drugs in Nigeria.

I am a member of the National committee on the assessment of claims of Alternative Treatment and cure of HIV/AIDS.

I am a manuscript Reviewer for some international Journals such as, Journal of the National Medical Association, and African journal of AIDS published in USA and South Africa respectively.

I am an Associate Editor for Nigerian Journal of Clinical & Biomedical Research.

I am a member of the Institute's Senior Management Committee.

I am the Chairperson of House Allocation Committee.

A member of Top Management Committee overseeing the Human Virology lab Ventures.

Resource Person, TB /HIV Co-infection for DOTS centre workers, 2007.

Resource Person IMAI/IMCI training programme (FMOH/Global Fund/NACA/NIMR)

RESEARCH EXPERIENCE/SCIENTIFIC PUBLICATION

- (1) Odunukwe N. N. The biochemical assessment of hepatic function in adult sickle cell anaemia patients in steady state in Enugu. (Dissertation 1993).
- (2) Odunukwe N. N. and Okany C. C. Adverse effect of splenectomy in a 56 year old Nigerian woman with cold agglutinin disease (A case report). *Nig. Qt. J. Hosp. Med.* 1998; 9. (3) 178-179.
- (3) Odunukwe N. N. and Akinsete I. Effect of frequent painful crisis on hepatic function tests in adult sickle cell anaemia patients in steady state in Enugu Nigeria. *Niger Med. J.* 2000; 38 (1): 21-23).
- (4) Odunukwe N.N., Salako L.A., Okany C.C. et al Serum Ferritin and other Haematological Measurements in Apparently healthy Adults with malaria parasitaemia in Lagos, Nigeria. *Trop Med Int. Health.* 5.8.2000:583-586.
- (5) Nnodu O.E., Odunubi O.O., Njoku O.S., Odunukwe N.N. Autologous Transfusion Practice Seven years Experience (1992-1998). At the National Orthopaedic and Military Hospital in Lagos, Nigeria. *Nig. Qt. J.Hosp.Med.* 2000; 10 (1): 15-17.
- (6) Ahmed O.A., Ogunaike, Odunukwe N.N. et al The Knowledge, Attitudes and Perception of Malaria and Anaemia in Osogbo. *Soc. Sci. Res. Comm.* 2000. 1 (3): 34-45.
- (7) Odunukwe N. N., Salako L.A. Okany C.C. et al., Serum Ferritin and other Haematological Measurements in Apparently healthy children with malaria parasitaemia in Lagos, Nigeria. *West Afr J Med.* 2001; 20 (1)42-45.
- (8) Iwalokun B.A., Adewole T.A., Adeiga A.A., Odunukwe N.N. Comparative analysis of DNA frag. Length polymorphs at a -globin gene locus of human, rhesus monkey and guinea pig by PCR." *N.J. Biochem. Mol. Bio.*, 2001; (10) 35:16-19.
- (9) Odunukwe N. N., Salako L.A., Nnodu O.E., and Njoku O.S., Tuberculosis masquerading as constant malaria. *West Afr. J Med.* 2001; 20 (1):22-27.
- (10) Otuonye M.N., Olukoya D.K., Odunukwe N.N. et al., HIV Association with Conventional STDs (Sexual Transmitted Disease) in Nigeria. *West Afr. J. Med.* 2002; 21(2):153-156.
- (11) Nnodu O.E., Odunukwe N.N, Odunubi O.O. and Ekanem. Cost Effectiveness of Autologous Blood Transfusion: A Developing Country's Perspective. *West Afr J. Med.* 2003; 22 (1):10-12.
- (12) Smith SI, Aboaba OO, Odeigha P, Shodipo K, Adeyeye JA, Ibrahim A, Adebisi T, Onibokun H and Odunukwe N. N: Plasmid profile of *Escherichia coli* 0157:H7 from apparently healthy animals. *African Journal of Biotechnology* 2003: 2 (9), 322-324.
- (13) Nnodu O, Odunukwe N.N, and Anni D: Misleading High HIV seroprevalence among blood donors. The trend in a specialist hospital blood bank in Lagos Nigeria. *International Society of Haematology XVII Meeting. MEDIMOND.* 2003: 247-250.
- (14) Anorlu A.I., Imosemi OD, Odunukwe NN, Abudu, Otuonye MN, et al., Prevalence of HIV among women with vaginal discharge in a gynecological clinic. *J Natl Med Assoc.* 2004; 96(3):367-71.
- (15) Odunukwe N.N., Imonugo I.O., Akanmu A.S., Nnodu O.E., et al. Ferritin and Some Haematological values in Healthy Aged Nigerians in Lagos. *Turk J. Haematol* 2004; 21(2): 71-77.
- (16) Ahmed O.A., Odunukwe N.N., Raheem T.Y., Efiemokwu C.E., et al. Knowledge, Attitudes and Perception of Traditional Birth Attendants / Herbal Practitioners On Anaemia And Its Management In Pregnant Women In Lagos State. *Medifpharm*

- (17) Smith S.I, Odunukwe N.N., Niemogha M.T., et al. Diagnostic Methods for typhoid fever in Nigeria. Br J Biomed Sci. 2004; 61(4):179-81.
- (18) Harrison, N.E., Odunukwe N.N., Salako L.A, et al., Current Clinical Presentation, Of Malaria in Enugu, Nigeria. Niger Postgrad Med J. 2004 Dec; 11(4):240-5.
- (19) N.M Otuonye, Odunukwe N.N, E. O. Idigbe, S.I. Smith, et al. Aetiological pathogens of vaginitis in Nigerian women. Br J Biomed Sci. 2004; 61(4):175-8.
- (20) Odunukwe N.N. Amusu A.O., Njoku S.O, Akinsete I, and Akanmu A.S Some Haematological Parameters In The Cord Blood Of Healthy Nigerian Neonates. Medifpharm Medical Journal 2004;2(2):53-61.
- (21) Idigbe O. Adewole T., Kanki P, Geoffrey Eise Odunukwe N. N. et.al, Management of HIV-1 Infection with a combination of Nevirapine + Lamivudine + Stavudine; A preliminary report on the Nigerian Antiretroviral Program. J Acquir Immune Defic Syndr 2005 40(1):65-69.
- (22) Ahmed O.A., Odunukwe N.N., Akinwale O.P et.al., AN Assessment Of The Skills And Knowledge Of Traditional Birth Attendants In Prenatal Services In Lagos State, Nigeria. Afr. J.Med. Med. Sci. 2005: 34, 55-58.
- (23) Ahmed O.A., Odunukwe N.N., Raheem T.Y., Efiemokwu C.E., et al. Knowledge Attitude and Perception of HIV/AIDS by Traditional Birth attendants/Herbal practitioners in Lagos state. African Journal of AIDS Research (AJAR) 2004, 3(2):191-196.
- (24) Odunukwe NN, EO Idigbe, TA Adewole, DI Onwujekwe, R Audu, J Onyewuche, Haematological and Biochemical Response to treatment of HIV-1 infection with a combination of Nevirapine + Stavudine+ Lamivudine in Lagos Nigeria.: Turk J Haematol.2005, 22(3): 125-131.
- (25) Harrison, N.E., Ijeoma CK, Odunukwe N.N., Agomo C., et al., Compliance of Physicians In Enugu Urban Nigeria with the National Malaria Treatment Guidelines. Medifpharm Medical Journal 2005; 2(3):101-108.
- (26) Smith S.I, Odunukwe N.N Niemogha M.T., et al Typhoid Fever in Nigeria: Analysis of Phenotypic and Genotypic Methods of Salmonella Typhi Identification. Res. J. Biotech.2006;1(1):17-21.
- (27) Adeneye AK, Adewole TA, Musa AZ, Onwujekwe D, Odunukwe NN, Araonyinbo ID, Gbajabiamila TA, Ezeobi PM and Idigbe EO. Limitation to Access to Antiretroviral Therapy (ART) Among HIV Positive Persons in Lagos, Nigeria. Journal of World Health and Population. 2006 1(2):
- (28) Otuonye N.M, Odunukwe N.N, Adeneye A.K, Chigbo R.C, Onwatuelo R.I.,Oparaugo C.T., Onwuamah C.K., Fowora M.A.,Uwah H., Idigbe E.O. Knowledge, Perception and Acceptability of Microbicides Among Healthcare givers in Lagos, Nigeria. BRITISH JOURNAL OF BIOMEDICAL SCIENCE 2006 63 (3): 140-141
- (29) Anorlu A.I., Igweilo C.I., Akanmu A.S., Banjo A.F. Odunukwe NN, et al Prevalence of abnormal uterine cervical smears among patients with HIV in

Lagos- Nigeria. WAJM 2007; 26(2):143-147.

- (30) Fajolu I B. Grange OA, RennerJK, Odunukwe N, Njokanma of, Ahmed OA, Efenemokwu C. Prevalence of iron deficiency in children 5-24 months in Lagos. Nig Q J Hosp Med 2007 Jul-Sep; 17(3): 97 100.
- (31) MT.NIEMOGHA; NN. ODUNUKWE; SI SMITH BIC. BRAI; T,GBAJABIAMILA;BA. IWALOKUN;AO. AHMED; et alAntibiotic susceptibility of Salmonella typhi and Evaluation of Outer Membrane Proteins as a Molecular Index of Baseline Titre for Typhoid Fever in Lagos, Nigeria. IJMAT. 2008:4(2) 144-155.
- (32) Niemogha, Mary-Theresa; Umeana, Felicia; Awujo, Chinedu; Uwaezuoke, Joseph; Onubogu, Cathleen; Odunukwe, Nkiru Invitro Assessment of Brands of Ampicillin Sold In Nigerian Markets; Nigerian Journal of Health and Biomedical Sciences:2009; §(1)20-22.
- (33) D. K. Oladepo, E. O. Idigbe,R. A. Audu, U. S. Inyang, G. E. Imade, A. O. Philip, G. O. Okafor, D. Olaleye, S. B. Mohammed, N. N. Odunukwe, , et al **Establishment of Reference Values of CD4 and CD8 Lymphocyte Subsets in Healthy Nigerian Adults**; CLINICAL AND VACCINE IMMUNOLOGY: 2009; 16(9)
- (34) OJUROMI, O.T.; IZQUIERDO, F; FENOY, S.; FAGBENRO-BEYIOKU, A.F.; OYIBO, W.; AKANMU, A.S.; ODUNUKWE, N.N.; AGUILA C. Identification Of Microsporidia Species (E.Bienuesi, E.Intsinalis And E.Cuniculi) From Faecal Samples Of Human Immunodeficiency Virus Patients In Lagos, Nigeria. (Submitted for publication).
- (35) Niemogha, Mary-Theresa; Umeana, Felicia; Awujo, Chinedu; Uwaezuoke, Joseph; Onubogu, Cathleen; Odunukwe, Nkiru **Formulation Of Lactodouche:The Use Of Lactobacillus As Therapeutics With Potential For Control Of Candidal Vaginitis**(Submitted For publication).

PAPERS PREPARED FOR PUBLICATION

Risk of HIV Transmission through "Screened" Blood Transfusion in Nigeria.

Effect of Local Diet and Habits on Ferritin, Serum Iron, Cholesterol and Some Haematological Parameters in Healthy Adults in Lagos, Nigeria.

The Role Of Selenium As Adjunct To HAART Among HIV Infected Individuals.

MONOGRAPHS

Training Modules for on Use of ARV in Nigeria First edition 2003.

Training Modules for on Use of ARV in Nigeria for Doctors 2005.

Published Abstracts: (Paper presented at Conferences).

Economic Analysis of Autologous Blood Transfusion in Nigeria.

Serum Ferritin and other Haematological Measurements in Apparently healthy adults with malaria parasitaemia in Lagos, Nigeria.

Autologous Blood Transfusion in Orthopaedic and general surgical patients.

Effect of frequent painful crisis on Hepatic function test of Sickle-cell anaemia Patients in steady state in Enugu.

Knowledge, Attitude and perception of HIV/AIDS by Traditional Birth attendants/Herbal practitioners in Lagos State.

Knowledge attitudes and perception of Anaemia and its treatment in pregnant women by TBAS/Herbal practitioners in Lagos State.

Knowledge, Perception and Acceptability of Microbicides among Health Care Givers in Lagos Nigeria (www.microbicides2004.org.uk/abstracts/Posters).

Haematological and Biochemical Response to treatment of HIV-1 infection with a combination of Nevirapine + Stavudine+ Lamivudine in Lagos Nigeria. 2004(4th African Congress of Haematology and Blood transfusion Conference).

Absolute Neutrophil counts and Orthopaedic manifestations of sickle cell disease.

THE USE OF GENERIC COPIES OF ARVs IN THE MANAGEMENT OF HIV INFECTIONS IN LAGOS, NIGERIA: A 6 MONTH FOLLOW-UP STUDY.

RISK OF HIV TRANSMISSION THROUGH "SCREENED" BLOOD TRANSFUSION IN NIGERIA 2004 (4th African Congress of Haematology and Blood transfusion Conference).

INTENDING MARRIAGE COUPLE'S VOLUNTARY HIV TESTING: A WAY FORWARD FOR THE BATTLE AGAINST HIV/AIDS (ICASA 2005).

THE ROLE OF SELENIUM AS ADJUNCT TO HAART AMONG HIV INFECTED INDIVIDUALS WHO ARE ADVANCED IN THEIR DISEASE (MoAb0403 XVI AIDS International conference Toronto 2006).

Hepatitis B and C co-infection in people living with HIV/AIDS. (CDB0343 XVI AIDS International conference Toronto 2006).

CURRENT RESEARCH INTEREST:

- (a) Immunophenotyping and cytogenetics analysis of cancers in HIV-1 POSITIVE Nigerians.
- (b) Genetic analysis of local isolates of Hepatitis B virus:
 - i) Isolation of HBV DNA from HbsAg Positive blood from Nigerians.
 - ii) Genetic analysis by restriction mapping & DNA sequencing.
- (c) Prevalence and management of HBV/ HIV co-infection in Lagos Nigeria
- (d) Prospective Trial of Micronutrients in the Clinical Management of HIV/AIDS in Adult Nigerians Who Are Not Eligible For ART.
- (e) **SEROPREVALENCE OF DELTA HEPATITIS IN HBV/HIV CO-INFECTED NIGERIAN PATIENTS**

Professional Memberships:

- 1) Nigeria Medical Association. Member (MB.chB)
- 2) Fellow of West African College of Physicians. (FWACP)
- 3) Member of Nigerian Institute of Management (MNIM)
- 4) Nigeria Association of Haematology and Blood Transfusion. (Vice President)

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| 5) | Medical Women Association of Nigeria. | Member |
| 6) | African Society for Blood Transfusion. | Member |
| 7) | International Society of von Wilbrand's Disease. | Member |
| 8) | International AIDS Society. | Member |
| 9) | Third World Organization of Women in Science (TWOWS) | Member |
| 10) | Association of Pathologist of Nigeria. | Member |
| 11) | Lagos State Blood Transfusion Monitoring Committee | Member |

Community Activities:

I help Churches to organize HIV/AIDS awareness programs where as resource person.

I am the Chairperson of the Medical Committee and voluntary medical team in Ikeja Assemblies of God's Mission organizing pre-marriage blood genotype, HIV screening and counseling.

Also a member of voluntary medical team organizing free medical enlightenment programs and free cervical cancer screening for women.

I am a life member of LOF in FGBMFI.