

CURRICULUM VITAE

NAME : Raphael Usiosefe Erhunmwunse Ph.D, FIBMS.

DATE OF BIRTH : 6 May,

MARITAL STATUS : Married

SEX : Male

NATIONALITY : Nigerian

PERMANENT HOME ADDRESS : No 6 Nicholas Awodu Crescent
New Etete Layout
Off Stella Obasanjo Hospital Road
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CURRENT POSTAL ADDRESS : No 6 Nicholas Awodu Crescent
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ACADEMIC QUALIFICATIONS

Ph.D. 1991, University of Benin, MAJOR: Clinical Biochemistry.

M.Sc 1983, University of Benin, MAJOR; Biochemistry

FIBMS 1978, Fellowship Diploma, Institute of Biomedical Science, London, MAJOR:
Clinical Biochemistry

AIBMS 1970, Associate Diploma, Institute of Biomedical Science, London. MAJOR :
Clinical Biochemistry

EMPLOYMENT / PROFESSIONAL EXPERINCE

- 2010 - 2016
- a) The Registrar,
University of Benin, Benin City, Edo State
 - b) **Senior Lecturer**,
Department of Medical Biochemistry, School of Basic
Medical Sciences, College of Medicine.

Administrative Responsibility: Head of Department from
June 2010 to June 2013
 - c) **Associate Lecturer**
Department of Medical Laboratory Sciences, School of
Basic Medical Sciences, College of Medicine
- 2002 – Nov 2009 **Head /Consultant Clinical Biochemist**
Department of Laboratory Medicine, Armed Forces Hospital
Wadi Al Dawasir, Saudi Arabia
- 1998 - 2002 **Laboratory Manager / Systems Manager CERNER PATHNET**
Department of Laboratory Medicine, Armed Forces Hospital
Wadi Al Dawasir, Saudi Arabia
- 1992 – 1997 **Senior Scientific Officer**
Pathology Department, Aflaj General Hospital, Layla, Aflaj,
11912, Saudi Arabia.
- 1970 - 1992 **Chief MLSO / Lecturer, Clinical Chemistry**
University of Benin Teaching Hospital and
School of Biomedical Sciences
Benin City Nigeria

PROGRAMMES TAUGHT – MEDICAL BIOCHEMISTRY

B.Sc. (Hons.) Medical Biochemistry; Medical Biochemistry (MB BS), Dentistry (BDS);
Paramedical Programmes (B.Sc. Nursing, Medical Laboratory Sciences, Human Anatomy,
Physiology)

COURSES TAUGHT (Past / University of Benin)

B.Sc. (Hons.) Degree Programme 200 Level

(Includes B .Sc Students from Physiology, Anatomy, Med. Lab Sciences)

Introductory Biochemistry

Chemistry of Lipids and Lipoproteins

Metabolism of Lipids

Measuring Techniques in cell Fractionation

300 Level

Metabolism of Lipids

Biochemistry of Vitamins and Minerals

Nutritional Disorders and assessment

Blood Buffers systems

Techniques in Biochemical Research / Measurement Techniques

Physiology of the Kidney, Renal Clearance etc

400 Level

Clinical Biochemistry

Hormone Biochemistry

Haemoglobinopathies

Chemistry of energy catalysis

Semester Paper and Presentation

Final Year Project Supervision

Medical / Dental Student Medical Biochemistry Programme – Pre-Clinical Years

BCM 217

Cell Structure

Enzymes in Diagnosis

BCM 227

Lipid Chemistry

Blood Lipids

Tissue and Organ Biochemistry

BCM 317

Biochemistry of Hormones
Heme Biosynthesis and degradation
Jaundice
Hepatitis
Blood Chemistry and Erythrocyte metabolism

Nursing Science Programme

MBC 213

Biochemistry of Lipids and Lipoproteins

MLS 810 - Master of Science (MSc) in Medical Laboratory Science

Spectrophotometric methods

MLS 811 - Master of Science (MSc) in Medical Laboratory Science

Instruments and Instrumentation

COURSES CURRENTLY TAUGHT (Benson Idahosa University)

BCH 222: Functional Biochemistry

BCH 416: Clinical Biochemistry and Pharmacology

BCH 812: Clinical Biochemistry and Biochemical Pharmacology

POSTGRADUATE STUDENTS SUPERVISION

M.Sc Projects supervised

1. Comparative analysis of lipid profile and selected markers of malnutrition in drug resistant tuberculosis patients in Ojo area, Lagos state, Odegbemi Odekunle Bola (PG/BMS/1410209)
2. Determination of vitamins A and D in obese diabetic patients in Warri metropolis, Delta State. By Benson Osayetin Ebhohimhen, PG/BMS1411272
3. Effect of frequency of blood donation on blood levels of parathyroid hormones vitamin d and some trace elements (calcium, magnesium and inorganic phosphate), By Aikorogie Orobosa, PG/BMS 1312262
4. Effect of frequency of blood donation on nutritional status and regulators of systemic iron homeostasis of blood donors in Benin-city, by Owie Sylvia Aimie, (PG/BMS1312283)

5. Effect of frequency of Blood Donation on Blood levels of Homocysteine, Vitamin B₆, B₁₂, and Folic Acid, By Sarah Enogumwengie
6. Effects of occupational exposure of cement dust on thyroid and parathyroid function, Omogiade Christabel Ada, MATRIC. NO: PG/BMS/1312279
7. Effect of occupational exposure of cement dust on fertility hormones, In Abuja Municipal Area Council (AMAC), Abuja, Nigeria, BY IMADIYI Smart Osagie, (PG/BMS 1312270)
8. Effect of occupational exposure of cement on select micro nutrients and oxidative stress biomarkers in Abuja Municipal Area Council (AMAC), By Gabriel EREBE
9. Studies on toxicological and reproductive health status of nail and hair care workers, Onaghino Philip Orobosa, (PG/BMS/1312280)
10. Effects of prostrate complications on serum trace elements and antioxidant vitamins among residents of Warri metropolis, by Joseph Bhaguetai Aghewagbehe, (PG/BMS/1312261)
11. Comparative analysis of lipid profile in multidrug resistant tuberculosis patients in Ojo area, Lagos state, by Odegbemi Odekunle Bola, (PG/BMS/1410209)
12. Evaluation of the effect of repeatedly heated vegetable oils on some biochemical parameters in rat, by Sunday Maliki, Momoh , (PG/BMS1314567)
13. The Effect of Obesity on Sex Hormones of Women of Child Bearing Age Attending Gynecology Clinic in Central Hospital Warri Delta State, Ufuoma Freedom Edijovwo (PG/BMS1411138)
14. Blood levels of cadmium, arsenic, mercury and lead in diabetic and prediabetic patients: exploring cause and effect relationship for diabetic risk, by Ukaegbu Henry Chibuike (PG/BMS/1714175)
15. Assessment of 1,5-anhydroglucitol and ceramide among prediabetes. By Adesanoye, Akindele Olaoluwa (PG-BMS/1714164)

M.Phil Projects supervised

1. Trace elements and antioxidant status in pregnant women with pre- eclampsia in Delta State, by Bini Nathaniel Ewere, (MAT NO: PG/BMS/1312246)
2. Trace element and total antioxidants capacity in post menopausal women in Ondo State, Nigeria by Olaniyan Edusola Juliana, (Pg/BMS1312248)

Ph.D Projects supervised

Biochemical evaluation of adiposity and fat distribution among adult obese in delta state, Nigeria, by ADU, Matthew Eturhobore, (PG/BMS/13/14570)

SCIENTIFIC PUBLICATIONS

1. Aghewagbehe B.A., Atere A.D., Akimbo D.B., Ajani F.O., Erhunmwunse R.U. (2019). Serum Trace Elements and Antioxidant Vitamins among Male Patients with Prostate Disorders in the Delta Region of Nigeria. *Althea Medical Journal* 6.1: 1-6
2. Odegbemi O.B., Erhunmwunse R.U., Odegbemi A.O (2018). Lipid Profile, Albumin and Zinc among Patients with Human Immunodeficiency Virus and Drug Resistant Tuberculosis Co-Infection in Ojo, Lagos State. *Acta Scientifical Medical Sciences* 2.9: 04-09.
3. Adu ME and Erhunmwunse RU (2017). Serum Cystatin C levels of adult obese and overweight subjects in Delta State. *Scientific Federation Journal of Cardiology. SF J Cardiol* 1:1-6
4. Adu M.E. and Erhunmwunse R.U. (2016). Serum High Sensitive C-Reactive Protein (hs-CRP) level in adult obese and overweight subjects in Delta State. *Sokoto Journal of Medical Laboratory Science*: 1 (2) 177-184.
5. Obasohan A.O., Enabulele J.E.E, Okokhere P.O., Erhunmwunse R.U. (1997) Abnormal glucose tolerance in 'early' Hypertension in Nigeria. *Trop Cardiol* 23:46-49
6. Unuigbo E, Ojogwu L.I, Erhunmwunse R.U. (1995). Diabetic nephropathy in Nigerians with maturity onset diabetes. Mellitus. *Afr. J. Med Prac* 2:38
7. Oviasu E, Erhunmwunse R.U. (1994). How to measure GFR when filtration markers are unaffordable; A study with oral ranitidine and creatinine clearance. *Journal of Nephrology* vol. 2: 120-122.
8. Famodu A.A., Erhunmwunse R.U., Elom E.U. (1992). Fibrinolytic activity in women on oral contraceptive. Variations due to hemoglobin genotype. *Acta Tropica* 52: 135-138.
9. Erhunmwunse R.U., Nwanze EAC, Osagie AU. (1990). Erythrocyte membrane status in protein energy malnutrition. *Med. Sci. Res.* 18: 555-557.
10. Erhunmwunse R.U., Famodu A.A., Oladosu LO. (1991). Erythrocyte Cu²⁺ and Zn²⁺ concentrations in sickle cell anemia. *Nigerian Journal of Physiological Sciences* 1: 66-68.
11. Ojogwu L.T., Oviasu E, Erhunmwunse R.U. (1991). The pattern of proteinuria in congestive cardiac failure due to common heart disease. *West African Journal of Medicine* 10/1: 396-399.
12. Adedeji M.O., Erhunmwunse R.U., Idemili N.G. (1988). Plasma calcium, magnesium, copper, and zinc concentrations in sickle cell disease. *Med. Sci. Res.* 16: 159-160

13. Erhunmwunse R.U., Osagie AU, Nwanze EAC. (1986). Fatty acid changes in plasma and erythrocyte lipids in Functional Psychoses. *Nigerian Journal of Biochemistry* 3: 89-95.

Erhunmwunse R.U., Lipid profile in Schizophrenics.
M.Sc Thesis 1983, University of Benin,

Erhunmwunse R.U., Blood lipid peroxidation in protein energy malnutrition.
Ph.D Dissertation, University of Benin.