



# DR Y.R. RAJI CURRICULUM VITAE

## I

- a. **Name:** Yemi Raheem **Raji**
- b. **Date of Birth:** 01 August, 1973
- c. **Department:** Medicine
- d. **Faculty:** Clinical Sciences

## II.

- a. **First Academic Appointment:**Lecturer I
- b. **Present Post(with date):**Senior Lecturer (01 October, 2018)
- c. **Date of Last Promotion:**01 October, 2018
- d. **Date Last Considered (in cases where promotion was not through):** Not applicable

## III. University Education (with dates)

- a. Obafemi Awolowo University, Ile-Ife 1995 - 2004
- b. University of Michigan 2016 - 2017

## IV. Academic Qualifications (with dates and granting bodies)

- a. M.B.Ch.B. (Bachelor of Medicine, Bachelor of Surgery ) 2004  
Obafemi Awolowo University, Ile-Ife
- b. M.Sc. (Human Genetics ) 2017  
University of Michigan

## V. Professional Qualifications and Diplomas (with dates)

- a. Member West African College of Physicians 2009 West African College of Physicians
- b. Fellow National Postgraduate Medical College of Nigeria, Faculty of Internal Medicine. 2012 National Postgraduate Medical College of Nigeria

## VI. Scholarships, Fellowships and Prizes (with dates) in respect of Undergraduate and Postgraduate work only).

- a. Dr Ohwovorirole Endowed Prize for Best Candidate in Part II FMCP Examination 2011
- b. Dr A.F.B Mabadeje Prize for Best Part II Candidate FMCP in Renal Medicine 2011

## Examination.

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|---|------|
| c. Cardiovascular Research Training (CaRT) Fellowship (Cohort 3), awarded by the Cardiovascular Research Training Institute, in a collaborative effort between the New York University and University of Ghana. | 2015 |
| d. Travel scholarship grant to the World Congress of Nephrology 2015 Satellite conference for the disadvantage population in Cape, South Africa. Awarded by the International Society of Nephrology             | 2015 |
| e. College of Medicine, University Early Career Mentored Research Grant Award   | 2015 |
| f. College of Medicine University of Ibadan Staff Deserving award   | 2015 |
| g. University of Ibadan Research Foundation Early Career Research Grant Award   | 2019 |

**VII. Honours, Distinctions and Membership of Learned Society:**

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|---|------|
| a. Member, Nigerian Medical Association (NMA)   | 2004 |
| b. Member, West African College of Physicians   | 2009 |
| c. Member, International Society of Nephrology (ISN)  | 2010 |
| d. Member, Nigerian Association of Nephrology (NAN)   | 2010 |
| e. Fellow, National postgraduate Medical College of Nigerian (Internal Medicine and Nephrology) | 2011 |
| f. Member, Transplant Association of Nigeria (TAN)  | 2012 |
| g. Member, Medical and Dental Consultant Association of Nigeria (MDCAN)                         | 2012 |
| h. Member, African Society of Nephrology (AFRAN)  | 2013 |
| i. Member American Society of Nephrology (ASN)  | 2014 |
| j. Fellow, Cardiovascular Research Training Institute (CaRT)                                    | 2015 |
| k. University of Ibadan Research Foundation Early Career Mentored Research Grant.               | 2019 |

**VIII. Details of Teaching/Work Experience :****a. Undergraduate:**

- i. Medical and Dental Students Teaching MBBS programs in Medicine and Nephrology rotation Medicine I posting i. Lectures: 4 integrated lectures and 6 introductory lectures per student set. Average number of students in a set is 100 – 130 who are divided into 3 groups. Title of Integrated lectures delivered - Systemic hypertension - Acute kidney Injury Title of Introductory lectures delivered. - History taking /symptoms and signs of kidney disease - Approach to nephrology procedures ii. Clinicals: 3 clinical sessions per week for 6 weeks of posting per group and there are 6 groups in a set. The group consists of average of 15 students. The teachings were bedside, and clinic based. Topics covered: History taking, eliciting symptoms and signs, physical examination of all the systems, blood pressure measurement, practical approaches to management of chronic kidney disease, nephrotic syndrome and hypertension. iii. Tutorials: 2 tutorial sessions per week for 6 weeks of posting per group and there are 6 groups in a set. The group

consists of average of 15 students. Average of 10 tutorial teachings per group for a total of 6 groups in a set. Topics covered: Acute kidney injury, chronic kidney disease, Acute pulmonary oedema, hypertensive emergencies, heart failure, asthma, chronic obstructive airway disease, Tuberculosis, HIV/AIDS, stroke, pulmonary embolism, investigations in dermatology, signs and symptoms in dermatological disease, drug eruption, connective tissue disorders, Diabetes complications, thyroid disorders, viral hepatitis infection.

- ii. Medicine II student posting  
i. Lectures: 3 integrated lectures per student set. Average number of students in a set is 100 – 130. Title of lectures given: - Urinary tract infection - Cystic disease of the kidney - Management of hypertension  
ii. Clinicals: 3 clinical sessions per week for 8 weeks of posting per group and there are 3 groups in a set. The group consists of average of 15 students. The clinical teachings include bedside and clinic-based teachings that incorporated role play by the students. Topics covered: Clerkship, eliciting symptoms and signs, physical examination of all the systems, blood pressure measurement, practical approaches to management of chronic kidney disease, nephrotic syndrome, hypertension, obstructive uropathy, urinary tract infection, electrolyte imbalance and uraemia.  
iii. Tutorials: 2 tutorial sessions per week for 8 weeks of posting per group and there are 3 groups in a set. The group consists of average of 15 students. Topics covered include; Acute kidney injury, chronic kidney disease, Acute pulmonary oedema, hypertensive emergencies, heart failure, asthma, chronic obstructive airway disease, pneumonia, tuberculosis, HIV/AIDS, stroke, cord compression syndrome, seizure disorder, pulmonary embolism, investigations in dermatology, signs and symptoms in dermatological disease, drug eruption, connective tissue disorders, Diabetes complications, thyroid disorders, viral hepatitis infection.
- iii. Medicine III Posting  
i. Lectures: 2 core lectures per student set. Each set consists of average of 100 students. Title of Integrated lectures given - Systemic hypertension - Acute kidney Injury  
ii. Clinicals: 3 clinical sessions per week for 6 weeks of posting per group and there are 3 groups in a set. The group consists of average of 15 students. The clinical teachings include bedside and clinic-based teachings that incorporated role play by the students. Topics covered: Clerkship, introduction to mini CEX, eliciting symptoms and signs, physical examination of all the body systems, blood pressure measurement, practical approaches to management of chronic kidney disease, nephrotic syndrome, hypertension, obstructive uropathy, urinary tract infection, electrolyte imbalance and uraemia, haemodialysis, haemodialysis vascular access, peritoneal dialysis and kidney transplantation, communicating bad news to patients.  
iii. Tutorials: 2 tutorial sessions per week for 6 weeks of posting per group and there are 3 groups in a set. The group consists of average of 15 students. Topics covered: Acute kidney injury, chronic kidney disease, Acute pulmonary oedema, hypertensive emergencies, heart failure, asthma, chronic obstructive airway disease, pneumonia, tuberculosis, HIV/AIDS, stroke, cord compression syndrome, seizure disorder, pulmonary embolism, investigations in dermatology, signs and symptoms in dermatological disease, drug eruption, connective tissue disorders, Diabetes complications, thyroid disorders, viral hepatitis infection, upper gastrointestinal bleeding.
- iv. Pharmacy undergraduate student teachings Teaching of Bachelor of Pharmacy students during clinical rotations  
i. Clinicals: 3 clinical sessions per week for 12 weeks of posting per set and each set consists average of 20 students. This are patient oriented teachings that focused on drug efficacy, safety, drug-interactions, drug dosing based on estimated glomerular filtration rate.  
ii. Tutorials: 2 tutorial sessions per week for 12

weeks of posting per set and each set consists average of 20 students. Topics covered: Adverse drug reactions, pharmacokinetic, pharmacodynamic and safety profile of the following classes of medications: Antihypertensives, antidiabetics, antituberculous medications, antiretroviral therapy, diuretics,

- v. Nursing undergraduate student teachings Teaching of BSc nursing students during clinical rotations. Clinicals: 2 clinical sessions per week for 4 weeks, and each group consists of average of 8 – 10 students. These are bedside teachings and the topics covered include symptoms and signs of kidney disease, hypertension, sepsis, and heart failure.

**b. Postgraduate:**

- i. Teaching of fellowship trainees in Internal Medicine and Nephrology. This is done through clinical based teaching, seminars, tutorials, charts, grands round and update lectures. (c) Projects/Thesis supervision i. Undergraduate Supervision – 64. ii. Postgraduate Supervision – Research projects of postgraduate (MPH) students in Child and Adolescent Health and Public Health Biotechnology. (2 completed, 8 in progress). iii. Ph.D. Thesis Supervision - None. iv. Residency training - Research projects for fellowship training in Internal Medicine and Nephrology at the University College Hospital, Ibadan. (9 completed and 3 in progress)
- ii. Teaching of Master of Medicine students: 4 lectures were given to the students per set, each set was made up of 5 students. Topic of lectures delivered include: - Acute kidney injury - Obstructive uropathy - Urinary tract infection - Electrolytes abnormalities
- iii. Teaching of Master of pharmacy students during their clinical rotations Clinical: 2 clinical teaching per week for 12 weeks. Average of 3 students per group. The clinical teachings are bedside and clinic-based teachings. Topics covered: These include review of medications taken by patients with kidney disease, drug-drug interactions, adverse drug reaction and renal dosing and drug safety profile.

**c. Administrative Duties:**

- i. Assistant course coordinator (MBBS/BDS) Introductory posting
- ii. Member, Nephrology Revolving Fund Committee of University College Hospital.
- iii. Assistant course coordinator (MBBS/BDS) Block posting
- iv. Supervisor, Medicine Research Laboratory. 2015 - 2016.
- v. Course coordinator (MBBS/BDS) Block posting
- vi. Course coordinator (MBBS/BDS) Introductory posting
- vii. Member, Department of Medicine NUC and Postgraduate Colleges accreditation committee
- viii. Representative, Department of Medicine on the Implementation of the new curriculum committee
- ix. Departmental Representative, College of Medicine Centre for Genomic Research and precision Medicine.

- x. Member and co-coordinator, University College Hospital Kidney Transplant programme. 2016 - till date
- xi. Supervisor, Medicine Research Laboratory. 2019 - till date
- xii. Member, Department of Medicine Exam Committee 2018 MBBS 600Level Examination. 2018 - till date
- xiii. Department Representative and Coordinator, Emergency E-learning training for member of staff. January 2021 - till date
- xiv. Member, Department of Medicine Exam Committee MBBS 600L. 2018 - till date
- xv. Member, Department of Medicine Postgraduate Medical Colleges accreditation committee - 2021

**d. Community Service:**

- i. 2013 World kidney day free health screening and awareness. Akinkugbe Kidney Center Orita – Mefa, Ibadan
- ii. 2014 World kidney day free health screening and awareness. Akinkugbe Kidney Center Orita – Mefa, Ibadan
- iii. 2015 World kidney day free health screening and awareness. Akinkugbe Kidney Center Orita – Mefa, Ibadan
- iv. Free school health screening and awareness. Ibadan North local government. June 2015.
- v. 2016 World kidney day free health screening and awareness. Akinkugbe Kidney Center Orita – Mefa, Ibadan
- vi. 2018 World kidney day free health screening and awareness. Bodija, Ibadan
- vii. 2019 World kidney day free health screening and awareness. Akinkugbe Kidney Center Orita – Mefa, Ibadan
- viii. World Hypertension Day 2019 Health Talk and free Health screening Programme at Bodija Market, Ibadan, Oyo State.
- ix. Publicity Secretary, Medical and Dental Consultants Association of Nigeria, University College Hospital Chapter. 2018 - 2020.
- x. Visiting Consultant Physician to University of Ibadan Medical Clinic (Jaja Clinic) - 2015 - till date
- xi. Coordinator and Moderator, Transplant Association of Nigeria monthly webinar Series. 2020 - till date
- xii. The Chairman, Transplant Association of Nigeria monthly webinar Committee. 2020 - till date

## **IX. Research**

### **a. Completed**

- i. Familial clustering of chronic kidney disease, risk factors for CKD and cardiovascular risk factors among first degree relative of patients with chronic kidney disease.
- ii. Knowledge and attitude of first degree relative of patients with chronic kidney on kidney donation to affected family members with end stage renal disease.
- iii. Knowledge, attitude and opinion of nephrology care givers to the growth of kidney transplantation in Nigeria
- iv. Analysis of salivary urea and creatinine among patients with chronic kidney disease.
- v. Iron status and clinical correlates in patients with chronic kidney disease.
- vi. Cardiovascular risk stratification and cardiovascular outcomes among patients with chronic kidney disease
- vii. Determinants of Acute Kidney Injury among patients undergoing surgical intervention in a tertiary healthcare centre
- viii. Selective androgen receptor element responsive to doxorubicin for downstream gene regulation in prostate cancer

### **b. In Progress**

- i. Genetic determinants of cardiovascular disease progression among patients with chronic kidney disease. (February 2018 – Till date).

The study aims to identify the genetic variants that predict cardiovascular disease and its progression among patients with chronic kidney disease. The findings of this study will provide data for comprehensive risk profiling and guide to preventive strategies for cardiovascular disease among patients with chronic kidney disease.

- ii. Human Heredity and Health in Africa Kidney Disease Research Network Project. (2012 – till date).

This collaborative multi-centered study across 6 African countries aims to identify the genetic determinants of kidney disease among the Sub-Saharan African. The study is currently undergoing data analysis and manuscript writing. The findings of this study will provide insight into the aetiopathogenesis of chronic kidney disease among Africans.

- iii. Genetic and environmental correlates of kidney disease among first degree relatives of patients with Chronic Kidney Disease

The study aims to identify the genetic variants and environmental factors associated with familial clustering of CKD among Nigerians. A case control study design is being adopted and 600 subjects will be enrolled. There will be 3 groups and the cases will be the first degree relatives of patients with CKD, while the 2 control arms will be 200 spouses of patients with CKD and 200 apparently healthy control subjects, who do not have personal or family history of CKD. The study design will allow determination

gene x gene and gene x environmental interactions that may underly the familial clustering of chronic kidney disease.

iv. Mineral bone disease among patients with chronic kidney disease

This aims to determine the spectrum and severity of mineral bone disease among patients with chronic kidney disease. The study plan to use newer markers such as Fibroblast Growth Factor 23 and intact Parathyroid Hormone for the diagnosis of chronic kidney disease - mineral bone disease.

v. Genetic and environmental Predictors of pregnancy related acute kidney injury and short term outcomes in a tertiary healthcare centre in Nigeria

This study therefore seeks to identify genetic and environmental determinants of Pregnancy Related Acute Kidney Injury (PRAKI) among obstetrics patient and determine the impact of early detection of AKI on outcomes. This we believe will provide significant information that will drive policies towards reduction of maternal morbidity and mortality attributable to PRAKI.

**c. Project, Dissertation and Thesis**

- i. Raji, Y.R. (November 2011) Assessment of Kidney function and Risk factors for Chronic Kidney Disease in First Degree Relatives of Patients with Chronic Kidney Disease. Dissertation submitted to the Faculty of Internal Medicine, National Postgraduate Medical College of Nigeria.
- ii. Raji, Y.R. (November 2011) Ten Case Reports in Nephrology. Case report submitted to the Faculty of Internal Medicine, National Postgraduate Medical College of Nigeria.
- iii. Raji, Y.R. (August 2004) Adherence to the use of safety gadgets among commercial motorcycle riders in Ile-Ife. Project submitted for the final year examination for the award of Bachelor of Medicine, Bachelor of Chirogy at the Obafemi Awolowo University, Ile-Ife, Nigeria.

## X. Publications

a. **Books already published: Nil**

b. **Chapters in books already published: Nil**

c. **Articles that have already appeared in Refereed Conference Proceeding: Nil**

d. **Patents and Copyrights: Nil**

e. **Articles that have already appeared in learned journals:**

1. Bello, B.T. , **Raji, Y.R.** , Adeyomoye, A. , Busari, A.A. , Ediale, T. and Waziri B. (2013). Case report on ipsilateral staghorn calculus with contralateral tumour of the renal pelvis in a 55year old Nigeria man..*Tropical Journal of Nephrology* Vol.6.No.2:127 - 132pp (Nigeria ) (Contribution : 40%)
2. **Raji, Y.R.** , Ajayi, S.O. , Jinadu, Y.O. , Enigbokan, O. and Salako, B.L. (2012). Tuberos sclerosis complex and acute kidney injury in an adult female Nigerian: A rare presentation and review of the literature..*Tropical Journal of Nephrology* Vol.7.No.1:47-53pp (Nigeria ) (Contribution : 50%)
3. Bello, B.T. , **Raji, Y.R.** , Sanusi, I. , Braimoh, R.W. and Amira, C.O. (2013). Challenges of providing maintenance haemodialysis in a resource poor country: Experience from a single teaching hospital in Lagos, south west Nigeria. *Hemodialysis International* Vol.17.No.3:427-433pp (United States Of America ) (Contribution : 40%)
4. **Raji, Y.R.** , Mabayoje, M.O. and Bello, B.T. (2015). Familial clustering of risk factors for cardiovascular disease among first-degree relatives of patients with chronic kidney disease in a sub-Saharan African population. *Cardiovascular Journal of Africa* Vol.26.No.2:S11-S14pp (South Africa ) (Contribution : 70%)
5. Osafo, C. , **Raji, Y.R.** , Rasooly, R.S. , Kimmel, P.L. , Burke, D. , Tayo, B.O. , Tiffin, N. , Ojo, A. , Adu, D. , Parekh, S. , Moxey-Mims, M.M..... , Ajayi, S.O. and H3Africa Kidney Disease Research Network Investigators as members of The H3Africa Consortium. (2015). Human Heredity and Health (H3) in Africa Kidney Disease Research Network: A focus on methods in sub-Saharan Africa..*Clinical Journal of the American Society of Nephrology* Vol.10.No.12:2279-2287pp (United States Of America ) (Contribution : 30%)
6. Bello, B.T. , Amira, C.O. , **Raji, Y.R.** and Udoh, O.K. (2015). Health care-seeking behavior among patients with chronic kidney disease: A cross-sectional study of patients presenting at a single teaching hospital in Lagos. *Journal of Clinical Sciences* Vol.12.No.2:103-107pp (Nigeria ) (Contribution : 30%)
7. Lasisi, T.J. , **Raji, Y.R.** and Salako, B.L. (2016). Salivary creatinine and urea analysis in patients with chronic kidney disease: a case control study..*BMC nephrology* Vol.16.No.17:10-16pp (United Kingdom ) (Contribution : 40%)
8. Ajayi, S.O. , **Raji, Y.R.** and Salako, B.L. (2016). Ethical and legal issues in renal transplantation in developing countries. *Saudi Journal of Kidney Diseases and Transplantation* Vol.27.No.1:125-128pp (Saudi Arabia ) (Contribution : 40%)



9. Bello, B.T. and **Raji, Y.R.** (2016). Knowledge, attitudes and beliefs of first degree relatives of patients with chronic kidney disease towards kidney donation in Nigeria..*Saudi Journal of Kidney Diseases and Transplantation* Vol.27.No.1:118-124pp (Saudi Arabia ) (Contribution : 40%)
10. Osafo, C. , **Raji, Y.R.** , Winkler, C. , Parekh, S. , Olanrewaju, T. , Manmak, M. , Arogundade, F.A. , Ajayi, S.O. , Ulasi, I. , George, M. , Plange Rhule, J. , Rasooly, R.S. , Kimmel, P.L. , Burke, D. , Tayo, B.O. , Tiffin, N. , Ojo, A. , Adu, D. , Moxey-Mims, M.M. and and the H3Africa Kidney Disease Research Network Investigators as members of The H3Africa Consortium. (2016). Genomic approaches to the burden of kidney disease in sub - Saharan Africa- the Human Heredity and Health in Africa (H3A) Kidney Disease Research Network..*Kidney International* Vol.90.No.1:2-5pp (United States Of America ) (Contribution : 30%)
11. Ajayi, S.O. , **Raji, Y.R.** , Bello, T. , Jinadu, L. and Salako, B.L. (2016). Unaffordability of renal replacement therapy in Nigeria. *Hong Kong Journal of Nephrology* Vol.18.No.1:15-19pp (China ) (Contribution : 40%)
12. Bragg, M.A. , Hardoby, T. , Pandit, N.G. , **Raji, Y.R.** and Ogedegbe, G. A. (2017). Content analysis of outdoor non-alcoholic beverage advertisements in Ghana. *BMJ Open* Vol.7.No.5:2-7pp (United Kingdom ) (Contribution : 30%)
13. **Raji, Y.R.** , Ajayi, SO. , Bello, T.O. , Jinadu,O.Y. , Salako, B.L. , Arije, A. and Kadiri, S. (2017). Precipitants of acute exacerbation of chronic kidney disease: A single centre experience..*Tropical Journal of Nephrology* Vol.11.No.2:81-88pp (Nigeria ) (Contribution : 50%)
14. **Raji, Y.R.** , Abiona, T. and Gureje, O. (2017). Awareness of hypertension and its impact on blood pressure control among elderly Nigerians: report from the Ibadan study of aging..*Pan African Medical journal* Vol.27.No.1:190-104pp (Kenya ) (Contribution : 60%)
15. **Raji, Y.R.** , Ajayi, S.O. , Gbadegesin, B.A. , Bello, T.O. and Salako, B.L. (2017). Challenges facing the growth of kidney transplantation programs in Nigeria: Perceptions and knowledge of the nephrologists and other healthcare providers..*Indian Journal of Transplantation* Vol.11.No.1:184-193pp (India ) (Contribution : 50%)
16. Bello, B.T. , Busari, A.A. , Amira, C.O. , **Raji, Y.R.** and Braimoh, R.W. (2017). Acute kidney injury in Lagos: Pattern, outcomes, and predictors of in hospital mortality..*Nigeria Journal of Clinical Practice* Vol.20.No.2:194-199pp (Nigeria ) (Contribution : 40%)
17. Adeoye, M.A. , **Raji, Y.R.** , Adebisi, A. , Tayo, B.O. , Salako, B.L. , Ogunniyi, A. , Ojo, A. and Cooper R. (2017). Circadian Blood Pressure Variation amongst People with Chronic Kidney Diseases: A Pilot Study in Ibadan..*Nigerian Postgraduate Medical Journal* Vol.24.No.3:131-136pp (Nigeria ) (Contribution : 30%)
18. **Raji, Y.R.** , Mabayoje, M.O. , Bello, B.T. and Amira, C.O. (2018). Albuminuria and reduced estimated glomerular filtration rate among first-degree relatives of patients with chronic kidney disease in Lagos, Southwest Nigeria..*Indian Journal of Nephrology* Vol.28.No.1:21-27pp (India ) (Contribution : 60%)

19. Bello, B.T. , **Raji, Y.R.** , Amira, C.O. , Braimoh, R.W. , Olowoyo, O.O. and Akodu B.A. (2018). Blood pressure pattern among adults in Lagos: Analysis of data from public health screenings..*The Nigerian Journal of General Practice* Vol.11.No.1:10-14pp (Nigeria ) (Contribution : 40%)
20. **Raji, Y.R.** , Ajayi, S.O. , Ademola, A.F. , Lawal, T.A. , Ayandipo, O.O. , Adigun, T. and Salako, B.L. (2018). Acute kidney injury among adult patients undergoing major surgery in a tertiary hospital in Nigeria..*Clinical Kidney Journal* Vol.11.No.4:443-449pp (United Kingdom ) (Contribution : 50%)
21. Daniel, A. , **Raji, Y.R.** , Ijitola, J.O. , Ajayi, S.O. , Jinadu, O.Y. , Olaleye, O.D. , Salako, B.L. and Lasisi, O.A. (2017). A case report on Lassa fever and hearing loss: A rare occurrence and review of the literature..*International Journal of Case Reports* Vol.1.No.3:1-5pp (United States Of America ) (Contribution : 40%)
22. Owolabi, O.I. , **Raji, Y.R.** and Amodu, O.K. (2018). Nutritional status as a risk factor for renal impairment among in-school adolescents..*The Nigerian Journal of Public Health* Vol.2.No.2:173-81pp (Nigeria ) (Contribution : 50%)
23. Lasisi, T.J. , **Raji, Y.R.** and Salako, B.T. (2018). Saliva based analysis of biochemical factors in patients with chronic kidney disease undergoing hemodialysis..*African Journal Medicine and Medical Sciences* Vol.47.No.2:179-84pp (Nigeria ) (Contribution : 50%)
24. Lasisi, T.J. , **Raji, Y.R.** and Salako, B.L. (2018). Salivary electrolytes, total protein and immunoglobulin a in patients with chronic kidney disease: A case control study..*Nigerian Journal of Physiological Sciences* Vol.33.No.2:177-82pp (Nigeria ) (Contribution : 50%)
25. **Raji, Y.R.** , Ajayi, S.O. , Aminu, O. , Abiola, B. , Efuntoye, O. , Salako, B.L. , Arije. A. and Kadir. S. (2018). Outcomes of tunneled internal jugular venous catheters for chronic haemodialysis at the University College Hospital, Ibadan, Nigeria. .*Pan African Medical journal* Vol.31.No.1:218 -28pp (Kenya ) (Contribution : 50%)
26. **Raji, Y.R.** , Ajayi, S.O. , Akingbola, T.S. , Adebiyi, O.A. , Adedapo, K.S. and Salako, B.L. (2018). Assessment of iron deficiency anaemia and its risk factors among adults with chronic kidney disease in a tertiary hospital in Nigeria. . Vol.25.No.4: 197-203pp (Nauru ) (Contribution : 50%)
27. **Raji, Y.R.** , Raji, K.O. , Bello, B.T. and Ekore, J.O. (2018). Effects of Gender on Patients Satisfaction with Physician Care and Communication Skills in a Tertiary Hospital in Nigeria..*Ife Psychologia* Vol.26.No.2:62-71pp (Nigeria ) (Contribution : 60%)
28. \*Abu, O.O. , **Raji, Y.R.** and Amodu, O.K. (2019). Risk factors for chronic kidney disease among in-school adolescents in Ibadan, Southwest, Nigeria..*Sahel Medical Journal.* Vol.22.No.2:64-70pp (Nigeria ) (Contribution : 60%)
29. \*Ademola, A.D. , Asinobi, A.O. , Ekpe-Adewuyi, E , Ayede, A.I. , Ajayi, S.O. , **Raji, Y.R.** , Salako, B.L. , James, M. , Zappitelli, M. and Samuel S.M. (2019). Acute kidney injury among paediatric emergency room admissions in a tertiary hospital in South West Nigeria: a cohort study..*Clinical Kidney Journal* Vol.12.No.4:221-6pp (United

- Kingdom ) (Contribution : 30%)
30. \*Ajayi, S.O. , Adeoye, A.M. , **Raji, Y.R.** , Tayo, B. , Salako, B.L. , Ogunniyi, A. , Ojo, A. and (2019). Self-reported Sleep Disorder and Ambulatory Blood Pressure Phenotypes in Patients with or without Chronic Kidney Disease: Findings from Ibadan CRECKID Study..*West African Journal Med* Vol.36.No.1:61-68pp (Nigeria ) (Contribution : 40%)
  31. \*Sood, S. , Ojo, A.O. , Adu, D. , Kannan, K. , Ghassabian, A. , Koshy, T. , Vento, S.M. , Pehrson, L.J. , Gilbert, J.F. , Arogundade, F.A. , Ademola, A.D. , Salako, B.L. , **Raji, Y.R.** , Osafo, C. , Sampson, A. , Trachtman, H. , Trasande, L. and and H3Africa Kidney Disease Research Network. (2019). Association Between Perfluoroalkyl Substance Exposure and Renal Function in Children With CKD Enrolled in H3Africa Kidney Disease Research Network. Vol.4.No.11:1641-5pp (Nauru ) (Contribution : 30%)
  32. \*Lawal, T.A. , **Raji, Y.R.** , Ajayi, S.O. , Ademola, A. , Ademola, A.F. , Ayandipo, O.O. , Adigun, T , Ogundoyin, O. , Olulana, D.I. , Asinobi, A.O. and Salako, B.L. (2019). Predictors and outcome of acute kidney injury after non-cardiac paediatric surgery.*Renal Replacement Therapy* Vol.5.No.15:doi: 10.1186pp (United Kingdom ) (Contribution : 40%)
  33. \*Ajayi, S.O. , **Raji, Y.R.** , Bello, T.O. and Arije, A. (2020). Challenges and possible solutions to peritoneal dialysis use in Nigeria..*Pan African Medical journal* Vol.35.No.40:128-35pp (Kenya ) (Contribution : 40%)
  34. \*Kregel, S. , Bagamasbad, P. , He, S. , LaPensee, E. , **Raji, Y.R.** , Brogley, M. , Chinnaiyan, A. , Ciesli,k. M. and Robins, D.M. (2020). Differential modulation of the androgen receptor for prostate cancer therapy depends on the DNA response element..*Nucleic Acids Research* Vol.48.No.9:4741-55pp (United States Of America ) (Contribution : 40%)
  35. \***Raji, Y.R.** , Ajayi, S.O. , Akingbola, T.S. , Adebisi, A.O. , Adedapo, K.S. and Salako, B.L. (2020). Diagnostic performance of peripheral blood film and red blood cell indices as markers of iron deficiency among patients with chronic kidney disease in low resource settings..*Pan African Journal Clinical Medicine* Vol.3.No.180:1-16pp (Kenya ) (Contribution : 50%)
  36. \*Esezobor, C. , Ademola, A.D. , Adetunji, A.E. , Anigilaje, E.A. Batte, A. , JiyaBello, F.N. , Furia ,F.F. , Muoneke, U. , McCulloch, M. , Nurse, P. Obiagwu, P. , **Raji, Y.R.** and H3Africa Kidney Disease Research Network. (2021). Management of idiopathic childhood nephrotic syndrome in sub Saharan Africa Ibadan consensus statement..*Kidney International* Vol.99.No.1:59-67pp (United States Of America ) (Contribution : 30%)
  37. \*Ajayi, S.O. , **Raji, Y.R.** , Michael, O.S. , Adewole, D.A. , Akande, T. , Abiola, B. , Aminu, S. , Olugbenga-Bello, A. and Arije, A. (2021). Exposure to Agrochemicals and Markers of Kidney Damage among Farmers in Rural Communities in Southwestern Nigeria..*West African Journal of Medicine* Vol.38.No.1:886-891pp (Nigeria ) (Contribution : 40%)
  38. \***Raji, Y.R.** , Ajayi, S.O. , Abiola, B.I. , Augustine, T. , Adekanmbi, O. and Arije, A. (2021). Impact of Impaired Kidney Function on Outcomes of Nigerians with COVID-9

Infection: Report of Two Cases from the University College Hospital, Ibadan. *West African Journal of Medicine* Vol.38.No.3:292-6pp (Nigeria ) (Contribution : 50%)

39. \*Yusuf, T. , **Raji, Y.R.** , Daniel, A. , Bamidele, O.T. , Fasunla, A.J. and Lasisi, O.A. (2021). Predictors of taste dysfunction and its severity among patients with chronic kidney disease. *Ear, Nose & Throat Journal* Vol.100.No.9:1-7pp (United States Of America ) (Contribution : 40%)
40. \*Yusuf, T. , **Raji, Y.R.** , Daniel, A. , Bamidele, O.T. , Fasunla, A.J. and Lasisi, O.A. (2021). Effects of Chronic Kidney Disease on Olfactory Function: A Case–Control Study .*Ear, Nose & Throat Journal* Vol.100.No.8:1-5pp (United States Of America ) (Contribution : 40%)
41. \*Jinadu, Y.O. , **Raji, Y.R.** , Ajayi, S.O. , Salako, B.L. , Arije, A. and Kadiri, S. (2021). Resistivity index in the diagnosis and assessment of loss of renal function in diabetic nephropathy. *Cardiovascular Journal of Africa* Vol.2.No.0:1-7pp (South Africa ) (Contribution : 50%)

**f. Books, Chapters in Books and Articles already accepted for Publication:**

42. **Raji, Y.R.** , Ameh, O.I. , Salako, B.L. and Okpechi, I.G. (1st May, 2021). Reducing The Burden Of Chronic Kidney Disease In Sub-saharan Africa: The Role Of Task Shifting And Sharing. *African Health Sciences* (Uganda ) (Contribution : 60%).
43. **Raji, Y.R.** , Ajayi, S.O. , Adeoye, A.M. , Amodu, O.K. , Tayo, B.O. and Salako, B.L. (25th January, 2021). Fibroblast Growth Factor 23 (fgf 23) And Intact Parathyroid Hormone (ipth) As Markers Of Mineral Bone Disease Among Nigerians With Non-diabetic Kidney Disease. *African Health Sciences* (Uganda ) (Contribution : 50%).

**g. Technical Reports and Monographs: Nil**

**h. Chapters in Edited Books/Revised Chapters in Edited Books: Nil**

## **XI. Major Conferences Attended with Papers Read (in the last 5 years):**

1. 28th Annual general meeting and scientific conference, Nephrology Association of Nigeria (NANCOF), Sokoto, Nigeria . 16 March 2016.

**Paper Read:** High prevalence of proteinuria among adult Nigerians: report of word kidney day screening programs in Ibadan

2. University of Michigan, Department of Human Genetics Annual Scientific Conference and Retreat, University of Michigan, Roscormon, United States of America . 17th - 20th November 2017.

3. Doctor as educators training workshop for facilitators, West African College of Physicians, Ibadan, Nigeria . 19th-20th April 2018.

4. 30th Annual General Meeting and Scientific Conference of the Nephrology Association of Nigeria (NANCOF)., Nigerian Association of Nephrology, Ilorin, Nigeria . 14th - 18th February 2018.

**Paper Read:** Outcomes of Tunneled internal jugular venous catheters for chronic haemodialysis at the University College Hospital, Ibadan, Nigeria

5. 7th Conference of the African Paediatric Nephrology Association, African Paediatric Nephrology Association, Yaounde, Cameroon . 14th - 18th March 2017.

**Paper Read:** Acute kidney injury among paediatric patients admitted through an emergency room in Nigeria –a preliminary report by Acute kidney injury among paediatric patients admitted through an emergency room in Nigeria –a preliminary report

6. World Congress of Nephrology 2017 , International Society of Nephrology, Mexico City, Mexico . 21st - 25th April 2017.

**Paper Read:** Acute kidney injury among paediatric patients admitted through an emergency room in Nigeria –a preliminary report by Acute kidney injury among paediatric patients admitted through an emergency room in Nigeria –a preliminary report

7. 11th Conference on Kidney Disease in Disadvantaged Populations - Satellite conference of the World Congress of Nephrology 2017, Committee for Kidney Health in Disadvantaged Populations, Santiago de Querétaro, Mexico . 25th-26th April 2017.

**Paper Read:** Acute kidney injury among paediatric patients admitted through an emergency room in Nigeria –a preliminary report by Acute kidney injury among paediatric patients admitted through an emergency room in Nigeria –a preliminary report

report

8. 11th Human Hereditary and Health in Africa (H3Africa) Consortium Meeting, H3Africa Consortium, Entebbe, Uganda . 21 - 25th March 2018.

**Paper Read:** Selective effects of doxorubicin on androgen-dependent gene regulation in prostate cancer.

9. 30th Annual Nigerian Association of Nephrology Conference, Nigerian Association of Nephrology, Ilorin, Nigeria . 12 - 15th February 2018.

10. 31st Annual Nigerian Association of Nephrology Conference, Nigerian Association of Nephrology, Abakaliki, Nigeria . 21th - 24th January 2018.

**Paper Read:** H3Africa Kidney Disease Research Network Research Project Updates

11. 14th Human Hereditary and Health in Africa (H3Africa) Consortium Meeting , H3Africa Consortium, Accra, Ghana . 22 - 26th September 2019.

**Paper Read:** APOL1 Associated Kidney Disease - Preliminary findings from H3Africa Kidney Disease Research Network Projects

12. 17th Human Hereditary and Health in Africa (H3Africa) Consortium Meeting, H3Africa Consortium, virtual, Nigeria . 19 - 23th March 2019.

13. 2019 America Society of Nephrology Week , American Society of Nephrology, Washington DC, United States of America . 5th - 10th November 2021.

**Paper Read:** APOL1 Associated Kidney Disease - Preliminary findings from H3Africa Kidney Disease Research Network Projects

14. Transplant Association of Nigerian Conference 2019, Transplant Association of Nigerian Conference, Lagos, Nigeria . 4 -5th September 2019.

15. 32nd Annual Nigerian Association of Nephrology Conference, Nigerian Association of Nephrology, Ibadan, Nigeria . 24 -27th February 2021.

**Paper Read:** Genetic approach to studying kidney disease

16. Nigerian Association of Nephrology South West Forum Annual Conference 2020, Nigerian Association of Nephrology South West Forum , Lagos, Nigeria . 1 - 2nd December 2020.

***Paper Read:*** APOL 1 gene and Kidney transplantation

17. 33rd Annual Nigerian Association of Nephrology Conference, Nigerian Association of Nephrology, virtual, Nigeria . 16 - 17th June 2021.

***Paper Read:*** Collaborative research in Nigeria-H3Africa as a reference point

## **XII. Ten Best Publications that Reflect the Totality of my Contributions to Scholarship:**

1. **Raji, Y.R.** , Mabayoje, M.O. and Bello, B.T. (2015). Familial clustering of risk factors for cardiovascular disease among first-degree relatives of patients with chronic kidney disease in a sub-Saharan African population. , Cardiovascular Journal of africa Vol. 26.2. pp S11-S14 (South Africa ) (Contribution : 70%)
2. Osafo, C. , **Raji, Y.R.** , Rasooly, R.S. , Kimmel, P.L. , Burke, D. , Tayo, B.O. , Tiffin, N. , Ojo, A. , Adu, D. , Parekh, S. , Moxey-Mims, M.M..... , Ajayi, S.O. and H3Africa Kidney Disease Research Network Investigators as members of The H3Africa Consortium. (2015). Human Heredity and Health (H3) in Africa Kidney Disease Research Network: A focus on methods in sub-Saharan Africa., Clinical Journal of the american society of Nephrology Vol. 10.12. pp 2279-2287 (United States Of America ) (Contribution : 30%)
3. Osafo, C. , **Raji, Y.R.** , Winkler, C. , Parekh, S. , Olanrewaju, T. , Manmak, M. , Arogundade, F.A. , Ajayi, S.O. , Ulasi, I. , George, M. , Plange Rhule, J. , Rasooly, R.S. , Kimmel, P.L. , Burke, D. , Tayo, B.O. , Tiffin, N. , Ojo, A. , Adu, D. , Moxey-Mims, M.M. and and the H3Africa Kidney Disease Research Network Investigators as members of The H3Africa Consortium. (2016). Genomic approaches to the burden of kidney disease in sub - Saharan Africa- the Human Heredity and Health in Africa (H3A) Kidney Disease Research Network., Kidney International Vol. 90.1. pp 2-5 (United States Of America ) (Contribution : 30%)
4. Bello, B.T. and **Raji, Y.R.** (2016). Knowledge, attitudes and beliefs of first degree relatives of patients with chronic kidney disease towards kidney donation in Nigeria., Saudi Journal of Kidney Diseases and Transplantation Vol. 27.1. pp 118-124 (Saudi Arabia ) (Contribution : 40%)
5. **Raji, Y.R.** , Mabayoje, M.O. , Bello, B.T. and Amira, C.O. (2018). Albuminuria and reduced estimated glomerular filtration rate among first-degree relatives of patients with chronic kidney disease in Lagos, Southwest Nigeria., Indian Journal of Nephrology Vol. 28.1. pp 21-27 (India ) (Contribution : 60%)
6. Lasisi, T.J. , **Raji, Y.R.** and Salako, B.L. (2016). Salivary creatinine and urea analysis in patients with chronic kidney disease: a case control study., BMC Nephrology Vol. 16.17. pp 10-16 (United Kingdom ) (Contribution : 40%)
7. **Raji, Y.R.** , Ajayi, S.O. , Ademola, A.F. , Lawal, T.A. , Ayandipo, O.O. , Adigun, T. and Salako, B.L. (2018). Acute kidney injury among adult patients undergoing major surgery in a tertiary hospital in Nigeria, Clinical Kidney Journal Vol. 11.4. pp 443-449 (United Kingdom ) (Contribution : 50%)
8. **Raji, Y.R.** , Abiona, T. and Gureje, O. (2017). Awareness of hypertension and its impact on blood pressure control among elderly Nigerians: report from the Ibadan study of aging., Pan african Medical Journal Vol. 27.1. pp 190-104 (Kenya ) (Contribution : 60%)
9. **Raji, Y.R.** , Ajayi, S.O. , Akingbola, T.S. , Adebisi, O.A. , Adedapo, K.S. and Salako, B.L. (2018). Assessment of iron deficiency anaemia and its risk factors among adults



with chronic kidney disease in a tertiary hospital in Nigeria. , Vol. 25.4. pp `197-203  
(Nauru ) (Contribution : 50%)

10. **Raji, Y.R.** , Ajayi, S.O. , Akingbola, T.S. , Adebisi, A.O. , Adedapo, K.S. and Salako, B.L. (2020). Diagnostic performance of peripheral blood film and red blood cell indices as markers of iron deficiency among patients with chronic kidney disease in low resource settings, Pan african Journal Clinical Medicine Vol. 3.180. pp 1-16 (Kenya )  
(Contribution : 50%)

## Research Focus :

My research focus is in the area of Nephrology with special interest in identifying the environmental and genetic determinants of chronic kidney disease (CKD), and its cardiovascular sequelae among individuals with CKD and their first degree relatives. The overarching goal of my research is to understand the aetiopathogenesis of CKD and its cardiovascular complications, with the aim of identifying the therapeutic and preventive targets for CKD and its cardiovascular sequelae. The cardiovascular sequelae of interest include risk factors for cardiovascular disease in kidney disease; anaemia, Chronic Kidney Disease – Mineral Bone Disease (CKD-MBD) , hypertension and albuminuria. My research used comparative, interdisciplinary approach that combines and integrates the clinical and laboratory analysis with some involving genetic, and molecular investigations. The research is conducted both in the laboratory and on the field to illustrate the environmental and genetic factors that underlie CKD and its cardiovascular complications, among individuals with CKD and their first degree relatives. My research studied the spectrum of cardiovascular complications associated with CKD. Anaemia as a cardiovascular risk factor was identified as a universal finding among individuals with CKD across all stages of the disease. Also, I identified iron deficiency anaemia as the most prevalent form of anaemia in individuals with CKD, thus identifying the need for prompt treatment of anaemia of CKD with iron supplementation and parenteral erythropoietin. Despite the prevalent iron deficiency anaemia among individuals with CKD, the gold standard for the diagnosis of iron deficiency anaemia was not affordable to most patients with CKD, who often pay out of pockets. My studies, therefore, validated the use of cheaper and readily available alternative methods (peripheral blood film and red blood cell indices) for the diagnosis iron deficiency anaemia in individuals with CKD. Chronic kidney disease - Mineral Bone Disease (CKD-MBD) is a systemic complication of CKD and a major determinant of cardiovascular disease among individuals with CKD. My studies examined the spectrum of CKD-MBD and identified the risk factors for its development, using newer makers of CKD-MBD that include Fibroblast Growth Factors -23 (FGF-23) and intact Parathyroid Hormone (iPTH). The studies observed high prevalence of CKD-MBD that included both dynamic and adynamic mineral bone diseases. The studies recommended preventive measures, early identification, and prompt treatment of CKD-MBD to prevent its attendant cardiovascular sequelae. In many of my studies systemic hypertension was identified as the single most important cardiovascular risk factor in individuals with CKD, their first degree relatives and in the elderly Nigerians, and contributed significantly to the cardiovascular morbidity and mortality in this group of patients. In addition, I identified that the failure of expected nocturnal dipping of the blood pressure is prevalent among individuals with CKD and may be a contributory factor to the excess burden of cardiovascular disease among patients with CKD. Being a first degree relative of individuals with CKD comes with its associated risk, arising from the shared environmental and genetic risk factors. My research studied the first degree relatives of patients with CKD and I observed that there is familial clustering of markers of kidney damage (reduced eGFR and albuminuria) and cardiovascular risk factors. The findings suggest that the first degree relatives of individual with CKD are high risk group for CKD and cardiovascular disease and should be included in the targeted screening and treatment for this conditions. Additional strategy employed in my research has identified molecular targets for prostate cancer treatment in animal model. Prostatic disease being one of the common causes of CKD among the elderly male of African descent was studied. The studies examined the effects of doxycycline as an

adjunct treatment for treatment of drug resistant prostate cancer in a mouse model. The study observed significant down regulation of cancer promoting genes and regression of the tumour cells. My ongoing research works focus on further unravelling the genetic associations of the familial clustering of CKD and cardiovascular risk factors in first degree relatives of patients with CKD, in addition to being part of an international research group (H3frica Kidney Disease Research Network) that is studying the genetic and environmental factors associated with CKD and its progression among the individuals of African descent.

**DR. Y. R. RAJI**

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**Names**

**Signature**