

CURRICULUM VITAE Of PROF. ISAAC KOFI OWUSU

1. NAME: PROF. ISAAC KOFI OWUSU

2. PRIMARY AFFILIATION: School of Medical Sciences, College of Health Sciences, Kwame Nkrumah University of Sciences and Technology, Kumasi, Ghana.

3. POSITIONS:

- a. Professor; Department of Medicine, School of Medical Sciences, College of Health Sciences, Kwame Nkrumah University of Sciences and Technology, Kumasi, Ghana. 1st August, 2023 to date
- b. Associate Professor; Department of Medicine, School of Medical Sciences, College of Health Sciences, Kwame Nkrumah University of Sciences and Technology, Kumasi, Ghana. 1st August, 2018 to 31st July 2023
- c. Former Head, Department of Medicine, School of Medical Sciences, College of Health Sciences, Kwame Nkrumah University of Sciences and Technology, Kumasi, Ghana. 1st August, 2020 to 31st October, 2031
- d. Senior Lecturer; Department of Medicine, School of Medical Sciences, College of Health Sciences, Kwame Nkrumah University of Sciences and Technology, Kumasi, Ghana. 2013 to 2018.
- e. Lecturer; Department of Medicine, School of Medical Sciences, College of Health Sciences, Kwame Nkrumah University of Sciences and Technology, Kumasi, Ghana. 2009 to 2013.
- f. Examination Officer; Department of Medicine, School of Medical Sciences, College of Health Sciences, Kwame Nkrumah University of Sciences and Technology, Kumasi, Ghana. 2011 to 2018.
- g. Honorary Consultant Cardiologist; Directorate of Medicine, Komfo Anokye Teaching Hospital, Kumasi, Ghana. 2011 to date.
- h. Lead Clinician; Directorate of Medicine, Komfo Anokye Teaching Hospital, Kumasi, Ghana. December 2012 to January 2017

- i. Head, Cardiology Unit; Directorate of Medicine, Komfo Anokye Teaching Hospital, Kumasi, Ghana. 2008 to 2022.
 - j. Postgraduate Training Coordinator, Directorate of Medicine, Komfo Anokye Teaching Hospital, Kumasi, 2012 to 2018
 - k. President, Ghanaian Society of Cardiology, 2017 to 2021
 - l. Training Coordinator, Faculty of Internal Medicine, West African College of Physicians, 2020 to date
4. **Office/Contact Address** e.g. Department of Medicine, School of Medicine and Dentistry, KNUST/Komfo Anokye Teaching Hospital, P.O. Box 1934, Kumasi, Ghana
5. **Phone Numbers:** Land lines: Office: +233-3220-22301-4; Mobile: +233-244565702; +233-20-6420059; +233-26-7051254.
6. **Email address:** ikeowusu@yahoo.com

7. ACADEMIC AND PROFESSIONAL QUALIFICATIONS:

- a. Fellowship of Ghana College of Physicians, Internal Medicine..... 2011
- b. Membership of European Society of Cardiology.....2008
- c. Certificate of Training in Cardiology (Belgium.....2007
- d. Fellowship of West African College of Physicians, Internal Medicine.....2005
- e. Diploma in Project Design and Management (Dip.PDM).....2004
- f. Membership of West African College of Physicians, Internal Medicine2003
- g. M.B, Ch. B (KNUST).....1993
- h. B. Sc. (HUMAN BIOLOGY) (KNUST).....1990

8. EDUCATION

- a. **University:** School of Medical Sciences, Kwame Nkrumah University of Science and Technology, Kumasi. Ghana. 1987-1993
- b. **Postgraduate:**

- i. **Internal Medicine:** Department of Medicine, Komfo Anokye Teaching Hospital, Kumasi. Ghana. 1998-2005
- ii. **Cardiology:** Cardiovascular Centre, Onze-Lieve-Vrouw Hospital, Aalst, Belgium. 2006-2007

9. PROFESSIONAL MEMBERSHIP:

- a. Fellow, West African College of Physicians
- b. Fellow, Ghana College of Physicians
- c. Member, Ghanaian Society of Cardiology
- d. Member, European Society of Cardiology
- e. Member, Heart Failure Association of the European Society of Cardiology
- f. Member, European Society of Hypertension
- g. Member, Pan-African Society of Cardiology
- h. Member, Ghana Medical and Dental Council
- i. Member, Ghana Medical Association

10. ACHIEVEMENTS

- In collaboration with the Medtronic Labs; A New Model of Hypertension Management has been developed which is currently being used by some hospitals locally and Internationally
- Involved in establishing Cardiology Services and Postgraduate Fellowship (Specialist) Training in Cardiology at the Directorate of Medicine Komfo Anokye Teaching Hospital, Kumasi

- Has supervised the Fellowship training of 3 Cardiologists for the Fellowship (Internal Medicine with Cardiology subspecialty) of the West African College of Physicians
- Currently supervising 2 Senior Residents in Cardiology Fellowship Training
- Leading Local Cardiologist in Cardiac Surgical and Device implantations at Komfo Anokye Teaching Hospital, Kumasi for the following Cardiac Missions:
 - Cardiostart International (**World Heart Foundation affiliate**) Cardiac Mission to Komfo Anokye Teaching Hospital, Kumasi, in February 2009, February 2010 and April 2013. and February 2016
 - Guangdong Cardiovascular Institute, Guangzhou, China, Cardiac Missions to KATH, Kumasi in December 2015 and July 2016
 - Onze Lieve Vrouw Hospital, Aalst, Belgium, Cardiac Missions to KATH, Kumasi in April 2017, September 2017 and March 2018

11. RESEARCH AND PROJECTS:

a. Principal Investigator for the following projects:

1. Assessing and Improving the Care of Heart Failure Patients in Ghana: A National Network of Heart Failure Management Centers and Teams. A collaborative project with GIZ, Ghana Heart Initiative and Bayer. 1st January -31st May 2024.
2. National Deep Vein Thrombosis Management Network. A collaborative study with the University of Hamburg-Eppendorf, Hamburg, Germany, Bayer and GIZ, 2020-2021.
3. Epidemiology of Deep vein Thrombosis in a Tertiary Care Hospital in Ghana – Association of asymptomatic parasitaemia and deep vein thrombosis. A collaborative

study with the University of Hamburg-Eppendorf, Hamburg, Germany and Bayer, 2018-2019.

4. Prevalence of Cardiovascular Disease Risk Factors and Target Organ Damage among Ghanaians. A Collaborative Study with Guangdong Cardiovascular Institute. Guangzhou. China, 2016-2017.
5. Akoma-Pa Global Health Initiative: A New Model of Care for Hypertension Management in Ghana- A Collaborative Study with Medtronic, USA. 2016-2017.
6. Cardiovascular risk profile in patients seen at the cardiac clinic of Komfo Anokye Teaching Hospital, Kumasi. 2013
7. Prevalence of cardiovascular dysfunction in HIV patients and impact of HAART in Ghana. 2010-2011.
8. Causes of heart failure in patients seen at the Komfo Anokye Teaching Hospital, Kumasi, Ghana. 2005.
9. Treatment of heart failure at Komfo Anokye Teaching Hospital, Kumasi, Ghana. 2004.

ii. Supervision of Student Projects

1. The impact of the inclusions of Beta-Blocker, Carvedilol in the treatment Guidelines for Heart Failure patients in a Teaching Hospital in Kumasi. (Supervisor for MPhil- Clinical Pharmacology), 2011.
2. Prevalence of erectile dysfunction among men attending cardiac out-patient clinics in the Kumasi metropolis. (Supervisor for BSc Degree), 2012.
3. Pattern of heart failure in adults presenting at the Komfo Anokye Teaching Hospital, Kumasi. Ghana. (Supervisor for the Fellowship of West African College of Physicians), 2014.
4. Evaluating the cardiovascular risk profile of HIV Patients attending clinic at the medical unit of the Komfo Anokye Teaching Hospital, Kumasi, Ghana. (Supervisor for the Fellowship of West African College of Physicians), 2014.

5. Prevalence and correlates of electrocardiographic left ventricular hypertrophy among hypertensive at a specialist hospital in Techiman, Ghana. (Supervisor for the Fellowship of West African College of Physicians), 2015.
6. Management of advanced heart failure patients using beta-blockers as adjunct in a Teaching Hospital in Ghana. (Supervisor for PhD- Clinical Pharmacology), 2012-2014
7. Role of Statins in the Management and Treatment Outcomes of Heart failure in Kumasi, Ghana. (Supervisor for PhD - Clinical Pharmacology), 2014-2016.
8. The Role of Specific Adipokines: Resistin, Leptin and Adiponectin as Predictive factors in Aetiology and Management of Hypertension in Kumasi. (Supervisor for PhD- Molecular Biology), 2013-2015.
9. Inflammatory Markers of Cardiovascular Disease in Hypertension. (Supervisor for MPhil- Molecular Biology), 2014.
10. Pharmacological management of cardiovascular disease at the cardiac clinic in Komfo Anokye Teaching Hospital, Kumasi. (Supervisor for MPhil- Clinical Pharmacology), 2015.
11. Cardiovascular diseases risk assessment among hypertensives attending the cardiac clinic at Komfo Anokye Teaching Hospital, Kumasi. (Supervisor for MPH), 2014.
12. Evaluation of Pharmacological Control of Blood Pressure among Patients with Hypertension. (Supervisor for MPhil- Clinical Pharmacology), 2016.
13. Clinical and demographic characteristics of patients presenting with rheumatic heart disease at the cardiac clinic of Komfo Anokye Teaching Hospital, Kumasi. (Supervisor for MPH), 2015.
14. Prevalence of Extra-pyramidal Signs in Patients presenting to the Outpatient clinic at the Department of Psychiatry at KATH, (Supervisor for DPDM programme), 2016

15. Pattern and correlates of QTc dispersion among adult hypertensives attending the cardiology clinic of the department of medicine, KATH, Kumasi. (Supervisor for the Fellowship of West African College of Physicians), 2019-2022.
16. Ambulatory blood pressure monitoring and management of hypertension at a specialist cardiac clinic in Kumasi. (Supervisor for MPhil- Clinical Pharmacology), 2019.
17. Patterns and predictors of electrocardiographic and echocardiographic abnormalities among people living with human immunodeficiency virus (HIV) in Kumasi, Ghana. (Supervisor for the Fellowship of West African College of Physicians), 2020-2022
18. Indications and outcomes of oral anticoagulants therapy in cardiac patients in a teaching hospital. (Co-Supervisor for MPhil- Clinical Pharmacology), 2021
19. Prevalence and pharmacotherapeutic of acute heart failure (Co-Supervisor for PhD- Clinical Pharmacology), 2023 to date
20. Burden of arrhythmia in patients with acute decompensated heart failure at Komfo Anokye Teaching Hospital, Kumasi (Supervisor for the Fellowship of West African College of Physicians), 2023 to date
21. Alcohol consumption, risk for cardiometabolic diseases and HIV disease progression in Ashanti Region (Co-Supervisor for PhD- Clinical Pharmacology), 2022 to date
22. Pattern and outcomes of heart failure readmissions at the medical wards of Komfo Anokye Teaching Hospital, Kumasi (Supervisor for the Fellowship of Ghana College of Physicians), 2023 to date

iii. Co-Investigator

1. Age-Gender Distribution of Coronary Artery Calcium Score in a Black African Population in Ghana, 2017.
2. Global Health Initiative: Needs Finding in the Care of Patients with Hypertension and Heart Failure in Ghana. A Collaborative Study with Medtronic, USA, 2015.

3. Cohort of Hypertension and Diabetes Mellitus Patients for Clinical Outcome and Correlates at the Suntresu Government Hospital. 2015

GRANTS/FUNDING

1. Akoma-Pa Global Health Initiative: A New Model of Care for Hypertension Management in Ghana.
Medtronic PLC Funding, January 2016
2. Prevalence of Cardiovascular Risk Factors and Target Organ Damage among Ghanaians. Chinese Government Funding through the Guangdong Cardiovascular Institute Guangzhou, China, September 2016
3. Epidemiology of Deep Vein Thrombosis in a Tertiary and Two District Hospitals in Ghana.
Bayer AG funding through University of Medical Centre Hamburg-Eppendorf, Hamburg, Germany, June 2018
4. Spreading Knowledge and Experiences by Establishing a DVT Network: The Komfo Anokye Teaching Hospital Kumasi (KATH) as a National Training Center for Diagnosis and Therapy for Deep Vein Thrombosis (DVT)
Bayer AG funding through University of Medical Centre Hamburg-Eppendorf, Hamburg, Germany, June 2020

12. PUBLICATIONS

BOOK/BOOK CHAPTER

1. **Isaac Kofi Owusu**, Vincent Bioma, Alfred Doku, Lambert Appiah, Collins Kokuro, Francis Agyekum, Aba Folson, Allen Steele-Dadzie, Dzifa Ahadzi, Seth Nani, Fiifi Duodu, Felix Awindaogo. 2024 Focused Update of the 2019 National Guidelines for the Management of Cardiovascular Diseases. Ministry of Health Ghana, 2024
www.moh.gov.gh
2. Isaac Kofi Owusu, Alfred Doku, Emmanuel Acheamfour-Akowuah, Felix Awindaogo. Facilitator's Manual for Advanced Heart Failure Management. Ministry of Health Ghana, 2023. 1st Edition. www.moh.gov.gh

3. **Isaac Kofi Owusu**, Christof Vinnemeier, Lena Huebl, et al. Facilitator's Manual for the Management of Deep vein Thrombosis. Ministry of Health Ghana, 2021. 1st Edition. www.moh.gov.gh
4. **Isaac Kofi Owusu**, Cynthia Bannerman, Alfred Doku, et al. Training Manual for the Management of Cardiovascular Diseases. Ministry of Health Ghana, 2020. 1st Edition. www.moh.gov.gh
5. Osei Asibey, Francis Agyeman Yeboah, W. K. B. A. Owiredu, Emmanuel Acheampong, Enoch Odame Anto, **Isaac K. Owusu** (2020). A comparative Cross-Sectional Study on Interplay of Adipokines in the Pathogenesis of Essential Hypertension in Ghana. Chapter 5. Research Trends and Challenges in Medical Science Vol. 6. Book Publisher International
DOI: 10.9734/bpi/rtcms/v6

Print ISBN: 978-93-90206-91-9 eBook ISBN: 978-93-90206-926
6. Aba Folson, Abdul-Samed Tanko, Alexander Baafi Agyekum, Alfred Doku, Collins Kokuro, Desrie Delsol-Gyan, Dzidzo Afi Anaglate, Eugene Amable, Fiifi Duodu, Francis Agyekum, Isaac Nana Ogyefo, **Isaac Owusu**, et la. National Guidelines for the Management of Cardiovascular Diseases. Ministry of Health Ghana, 2019. 1st Edition. www.moh.gov.gh
7. Expert Committee Members. Standard Treatment Guidelines. Ghana National Drugs Programme. Ministry of Health Ghana, 2017. 7th Edition. www.moh.gov.gh, www.ghndp.org
ISBN 978-9988-2-5787-3
8. Expert Committee Members. Standard Treatment Guidelines. Ghana National Drugs Programme. Ministry of Health Ghana, 2010. 6th Edition. www.moh.gov.gh, www.ghndp.org
ISBN 978-9988-1-2538-7

PEER REVIEWED PUBLICATIONS

1. Isaac Nana Ogyefo, Vida Obese, Betty Roberta Norman, **Isaac Kofi Owusu**, Bernard Nkum and Collins Kokuro. Prevalence and patterns of echocardiographic abnormalities among people living with HIV on anti-retroviral therapy in Kumasi, Ghana. *BMC Cardiovascular Disorders* (2024) 24:453
<https://doi.org/10.1186/s12872-024-04117-1>
2. Francis Agyekum, Florence Koryo Akumiah, Samuel Blay Nguah, Lambert Tetteh Appiah, Khushali Ganatra, Yaw Adu-Boakye, Aba Ankomaba Folson, Harold Ayetey, **Isaac Kofi Owusu**. Atherosclerotic cardiovascular disease risk among Ghanaians: A comparison of the risk assessment tools. *American Journal of Preventive Cardiology*, Volume 18, 2024, 100670,
ISSN 2666-6677,
<https://doi.org/10.1016/j.ajpc.2024.100670>.
3. Felix Awindaogo, Emmanuel Acheamfour-Akowuah, Alfred Doku, Collins Kokuro, Francis Agyekum, **Isaac Kofi Owusu**. Assessing and Improving the Care of Patients With Heart Failure in Ghana: Protocol for a Prospective Observational Study and the Ghana Heart Initiative-Heart Failure Registry. *JMIR Res Protoc* 2024;13:e52616
doi: [10.2196/52616](https://doi.org/10.2196/52616)
4. Minkah D, **Owusu I K**, Kokuro C, et al. (March 18, 2024) Prevalence of Increased QTc Dispersion Among Hypertensive Patients and Its Correlation to Clinical Risk Factors: A Hospital-Based Case-Control Study. *Cureus* 16(3): e56423. DOI 10.7759/cureus.56423
5. Manasseh B. Wireko, Jacobus Hendricks, Kweku Bedu-Addo, Marlise Van Staden, Emmanuel A. Ntim, John A. Larbi, and **Isaac K. Owusu**. Association Between Alcohol Consumption and Blood Pressure Levels Among HIV Sero-Positive and Sero-Negative Cohorts: A Secondary Analysis of the Vukuzazzi Study. *Journal of Primary Care & Community Health*, 2024 Volume 15: 1–11
DOI: 10.1177/21501319241235594 journals.sagepub.com/home/jpc
6. **Isaac Kofi Owusu**, Gordon Manu Amponsah and Yaw Amo Wiafe. Severe Pulmonary Hypertension from Combined Ventricular Septal Defect and Rheumatic Mitral Valve Disease: A Case Report and Literature Review. *Clinical Medicine Insights: Case Reports* Volume 17: 1–6.
DOI:10.1177/11795476241231140
7. Francis Agyekum, Aba Ankomaba Folson, Benjamin Abaidoo, Lambert Tetteh Appiah, Yaw Adu-Boakye, Harold Ayetey and **Isaac Kofi Owusu**. Behavioural and nutritional risk factors for cardiovascular diseases among the Ghanaian population- a cross-sectional study, *BMC Public Health* (2024), 24:194.

8. Manasseh B. Wireko, Jacobus Hendricks, Kweku Bedu-Addo, Marlise Van Staden, Emmanuel A. Ntim, Samuel F. Odoom, **Isaac K. Owusu**. Alcohol consumption and HIV disease prognosis among virally unsuppressed in Rural KwaZulu Natal, South Africa[J]. *AIMS Medical Science*, 2023, 10(3): 223-236. doi: 10.3934/medsci.2023018
9. Yaw Amo Wiafe, Emmanuel Acheamfour-Akowuah, **Isaac Kofi Owusu**. Indications for Echocardiography and Confirmation Rates of Cardiovascular Diseases: Experience of a Specialist Cardiac Outpatient Clinic in Kumasi, Ghana, *Annals of African Medicine* 2023, DOI:10.1177/11795476231176713
10. Yaw Amo Wiafe, Gordon Manu Amponsah, George Asafu Adjaye Frimpong, **Isaac Kofi Owusu**. Progressive Memory Decline in a Patient With Atrial Septal Defect: Case Report and Literature Review. *Clinical Medicine Insights: Case Reports*, 2023 Volume 16: 1–5.
11. Gordon Manu Amponsah, Yaw Adu-Boakye, Maureen Nyarko, Henry Kofi Andoh, Kwaku Gyasi Danso, Manolo Agbenoku, **Isaac Kofi Owusu**. Thyrotoxic periodic paralysis together with thyrotoxic heart disease in a Ghanaian man: case report and literature review. *AIMS Medical Science*, March 2023, Volume 10, Issue 1, 46–54. DOI: 10.3934/medsci.2023005
12. **Isaac Kofi Owusu**, Emmanuel Acheamfour-Akowuah¹, Lois Amoah-Kumi, Yaw Amo Wiafe, Stephen Opoku, Enoch Odame Anto. The correlation between obesity and other cardiovascular disease risk factors among adult patients attending a specialist clinic in Kumasi. Ghana. *AIMS Medical Science* February 2023, Volume 10, Issue 1, 24–36. DOI: 10.3934/medsci.2023003
13. **Isaac Kofi Owusu**, Emmanuel Acheamfour-Akowuah, Yaw Amo Wiafe. Clinical and Socio-Demographic Profiles of Patients Seen with Rheumatic Heart Disease in a Cardiac Clinic of a Tertiary Hospital in Ghana. *Research Reports in Clinical Cardiology* 2022:13 85–93
14. **Owusu IK**, Wiafe YA, Opoku S, Anto EO, Acheamfour-Akowuah E. Cardiac Abnormalities of People Living with HIV: A Comparative Study Between HAART Experience and Treatment Naïve Groups in Ghana. *Int J Gen Med*. 2022 Jun 29;15:5849-5859. doi: 10.2147/IJGM.S366688. PMID: 35791316; PMCID: PMC9250786.

15. **Owusu IK**, Wiafe YA. Atrial Septal Aneurysm and Intermittent Atrio -Ventricular Block: A Case Report and Literature Review. *Front Med Case Rep* 2021; 2(1): 1-06
16. Jie Li, **Isaac Kofi Owusu**, Qingshan Geng, Aba Ankomaba Folson, Zhichao Zheng, MD, PhD; Yaw Adu-Boakye, Xinran Dong, Wen-Chih Wu, Francis Agyekum, Hongwen Fei, Harold Ayetey, Mulan Deng, Fred Adomako-Boateng, Zuxun Jiang, Braimah Baba Abubakari, Zhao Xian, Forster Nketiah Fokuoh, Lambert Tetteh Appiah, Simin Liu, Chunying Lin. Cardiometabolic Risk Factors and Preclinical Target Organ Damage Among Adults in Ghana: Findings From a National Study. *J Am Heart Assoc.* 2020;9:e017492.
DOI: 10.1161/JAHA.120.017492
17. Paul Poku Sampene Ossei, **Isaac Kofi Owusu**, Gerald Owusu-Asubongteng, Frank Ankobea-Kokroe, William Gilbert Ayibor and Nicholas Niako. Prevalence of Venous Thromboembolism in Kumasi: A Postmortem-Based Study in a Tertiary Hospital in Ghana. *Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine*, Volume 14: 1-5, 2020.
DOI: 10.1177/1179548420956364
18. Waindim Nyiambam, Augustina A. Sylverken, **Isaac K. Owusu**, Kwame O. Buabeng, Fred A. Boateng and Ellis Owusu-Dabo. Cardiovascular disease risk assessment among patients attending two cardiac clinics in the Ashanti Region of Ghana. *Ghana Med J* 2020; 54(3): 140-145
doi: <http://dx.doi.org/10.4314/gmj.v54i3.3>
19. Nsutebu N, **Owusu IK**, Buabeng KO, Bonsu KO. Ambulatory blood pressure monitoring and management of hypertension at a cardiac clinic in Kumasi Metropolis, Ghana. *J Clin Hypertens.* 2020; 00: 1–9.
<https://doi.org/10.1111/jch.13822>

20. **Owusu, I.K.** and Wiafe, Y.A. (2019) Left Ventricular Dysfunction: The Perspective of Echocardiography in Ghana. *World Journal of Cardiovascular Diseases*, 9, 639-648. <https://doi.org/10.4236/wjcd.2019.99057>
21. **Isaac Kofi Owusu**, Fred Adomako-Boateng, Fred Kueffer, Molly Guy, Chemuttaai Lang'at, Daniel B Grossman, Teri Whitman, Keith Holloman, Douglas A Hettrick and Opare-Sem O. Novel Hypertension Management Model of Care Improves Blood Pressure Control in a West African Population. *J Hypertens* 2018, 7:2
DOI: [10.4172/2167-1095.1000257](https://doi.org/10.4172/2167-1095.1000257)
22. Osei Asibey, Francis Agyemang Yeboah, W.K.B.A. Owiredu, Emmanuel Acheampong, Enoch Odame Anto, **Isaac K. Owusu** (2018). Interplay of adipokines in the pathogenesis of essential hypertension: A comparative cross-sectional Study in Ghana. *Alex J Med*, <https://doi.org/10.1016/j.ajme.2018.07.004>.
23. Asafu Adjaye Frimpong G., **Owusu I.K.**, Anyitey-Korkor I.C., Wiafe-Kwakye C.S.N.S., Aboagye E., Coleman N.E., Amankwah P., Abaidoo N.K. (2018) Age-Gender Distribution of Coronary Artery Calcium Score in a Black African Population in Ghana. *Vascular Health and Risk Management*, 14 1–6.
24. **Owusu I.K.**, Acheamfour-Akowuah E. (2018) Pattern of Cardiovascular Diseases as Seen in an Out-Patient Cardiac Clinic in Ghana. *World Journal of Cardiovascular Diseases*, 8, 70-84. <https://doi.org/10.4236/wjcd.2018.81008>
25. William KBA Owiredu, James Osei-Yeboah, Christian Aryee, Ellis Owusu-Darbo, Edwin F. Laing, **Isaac K. Owusu**. (2017) Gender Specific Predictive Performance and Optimal Threshold of Anthropometric Indices for the Prediction of Hypertension among a Ghanaian Population in Kumasi. *Asian Journal of Medicine and Health*. 9 (3): 1-10.

26. K.O. Bonsu, **I. K. Owusu**, K. O. Buabeng, D. D. Reidpath, A. Kadirvelu. Statin Treatment and Clinical Outcomes of Heart Failure Among Africans: An Inverse Probability Treatment Weighted Analysis. *Journal of American Heart Association* 6 (4), e004706. 2017.
27. K.O. Bonsu, **I. K. Owusu**, K. O. Buabeng, D. D. Reidpath, A. Kadirvelu. Clinical characteristics and prognosis of patients admitted for heart failure: A 5-year retrospective study of African patients, *International Journal of Cardiology*, 2017. <http://dx.doi.org/10.1016/j.ijcard.2017.03.014>
28. **Isaac Kofi Owusu**, Fred Adomako-Boateng, Daniel Grossman, Fred Kueffer, Molly Guy, Chemuttaai Lang'At, Douglas Hettrick, Teri Whitman, Keith Holloman, O. Opare-Sem. Novel Hypertension Management Model of Care Decreases Blood Pressure in West African Population. *Journal of Hypertension* 35, e305, 2017
29. **Isaac Owusu**, Fred Adomako-Boateng, Daniel Grossman, Fred Kueffer, Molly Guy, Chemuttaai Lang'At, Douglas Hettrick, Teri Whitman, Keith Holloman, O. Opare-Sem. Improved Blood Pressure Control and High Adherence to a Novel Management Model of Hypertension Care in a West African Population. *Hypertension* 70 (suppl 1), A091-A091, 2017
30. **Owusu IK**, Acheamfour-Akowuah E (2017) Determinants of Left Ventricular Hypertrophy in Hypertensive Patients seen in a Teaching Hospital in Ghana. *J Hypertens* 6: 238. doi:[10.4172/2167-1095.1000238](https://doi.org/10.4172/2167-1095.1000238)
31. Acheamfour-Akowuah E, **Owusu I. K.**, Nkum Bernard C. (2016). Blood Pressure Control Status of Hypertensive Patients Attending an Outpatient Specialist Clinic in Ghana. *Open Science Journal of Clinical Medicine*. Vol. 4, No. 5, pp. 28-34.

32. Acheamfour-Akowuah E., **Owusu I. K.** (2016). Prevalence and Correlates of Electrocardiographic Left Ventricular Hypertrophy in Hypertensive Patients at a Specialist Clinic in Techiman, Ghana. *IOSR Journal of Dental and Medical Sciences* Volume 15, Issue 11 Ver. III, PP 100-109.
33. **Owusu I. K.**, Buabeng K. O., Agyapong T., Ansah C. A. (2016). Pharmacological Management of Cardiovascular Diseases at a Teaching Hospital in Ghana. *Open Science Journal of Clinical Medicine*. Vol. 4, No. 4, pp. 21-27.
34. **Owusu I. K.**, Buabeng K. O., Agyapong T., Ansah C. A. (2016). Adverse Drug Reactions and Drug-Drug Interactions with Cardiovascular Medications Seen in Patients Attending a Teaching Hospital in Ghana. *Open Science Journal of Pharmacy and Pharmacology*. Vol. 4, No. 1, pp. 1-6.
35. Christiana Aryee, William K. B. A. Owiredu, James Osei-Yeboah, Ellis Owusu-Dabo, Edwin F. Laing, **Isaac K. Owusu.** (2016). An Analysis of Anthropometric Indicators and Modifiable Lifestyle Parameters Associated with Hypertensive Nephropathy. *International Journal of Hypertension*, Volume 2016, 14 pages. <http://dx.doi.org/10.1155/2016/6598921>
36. Emmanuel Acheamfour-Akowuah, **Isaac Kofi Owusu**, Bernard C. Nkum. Demographic and Clinical Characteristics of Hypertensive Patients Attending a Specialist Clinic in Techiman, Ghana. *Open Science Journal of Clinical Medicine*. Vol. 4, No. 4, 2016, pp. 15-20.
37. Lambert Tetteh Appiah, George Bedu-Addo, Stephen Fred Sarfo, Isaac Kofi Owusu, David Chadwick, Anna Maria Geretti. Cardiovascular Risk Profile of HIV Patients

Accessing Routine Care at a Teaching Hospital in Ghana. *Annals of Global Health* 82 (3), 402, 2016.

38. Buabeng KO, Agyepong T, **Owusu IK**, Koffour GA and Ansah CA. Multidrug Therapy and Risk of Adverse Drug Reactions in Africa: The Need to Step Up Pharmacovigilance to Improve Patient Health and Safety. *SM J Clin Pharm Acta*. 2016; 2(1): 1005.

39. Kwadwo Osei Bonsu, **Isaac Kofi OWUSU**, Kwame Ohene Buabeng, Daniel Diamond Reidpath, Amudha Kadirvelu. Review of novel therapeutic targets for improving heart failure treatment based on experimental and clinical studies. *Therapeutics and Clinical Risk Management* 2016:12 1–20.

40. **Isaac Kofi Owusu**, Richard Kena Boadi, Alexander Afari-Kissi, Yaw Adu-Boakye. Logistics Regression Analysis of Risk Factors Associated with Hypertension in Kumasi Metropolis, Ghana. *Open Science Journal of Clinical Medicine*. Vol. 3, No. 6, 2015, pp. 205-211.

41. **Isaac Kofi Owusu**. Clinical and Demographic Characteristics of Patients Presenting with Heart Failure to a Teaching Hospital in Kumasi, Ghana. *Open Science Journal of Clinical Medicine*. Vol. 3, No. 3, 2015, pp. 90-97.

42. **Isaac K. Owusu**, Christiana Aryee, William K. B. A. Owiredu, James Osei-Yeboah, Ellis Owusu-Dabo, Edwin F. Laing. Analysis of Atherogenic and Anthropometric Profiles of Normotensive and Hypertensive Ghanaians in the Kumasi Metropolis. *British Journal of Medicine & Medical Research* 7(5): 378-397, 2015.

43. Kim A. Eagle, Pat Sovitch, Kara Morgenstern, Edward B. Goldman, Kay Fuller, Hakan Oral, Joshua Romero, James N. Kirkpatrick, Al Romero, George Samson, Rita Grewlik, Christian Machado, Eric O. Sison, Rogelio V. Tangoo, Nelson S. Abelardo, **Isaac**

Owusu, Ohene Opare-Sem (2014). Post-Mortem Cardiac Device Retrieval for Re-Use in Third World Nations: Views of the General Public and Patient Population. umich.edu

44. **Owusu IK**, Boakye YA, Appiah LT (2014) Electrocardiographic Abnormalities in Heart Failure Patients at a Teaching Hospital in Kumasi, Ghana. *J Cardiovasc Dis Diagn* 2: 142. doi:[10.4172/2329-9517.1000142](https://doi.org/10.4172/2329-9517.1000142).
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