

## CURRICULUM VITAE

### A. GENERAL INFORMATION

1. **Name:** Abiona Oluwadamilola ODEYEMI
2. **Date and Place of Birth:** 16<sup>th</sup> February, 1980; Ilesa, Nigeria.
3. **Gender:** Male
4. **Nationality:** Nigerian
5. **State of Origin:** Osun
6. **Local Government Area** Ilesa West
7. **Marital Status:** Married
8. **Names and Ages of Children:** Olamide ODEYEMI, 15yrs  
Oyinkansola ODEYEMI, 14yrs,  
Omolola ODEYEMI, 11yrs.
9. **Name and Relationship of Next of Kin with Telephone Number** Abimbola Ololade ODEYEMI; wife;  
08034959560
10. **Permanent Home Address:** 26 Zone D, Halleluyah Estate  
Osogbo.
11. **E-Mail Address:** [abiona.odeyemi@uniosun.edu.ng](mailto:abiona.odeyemi@uniosun.edu.ng)
12. **Registration with ResearchGate:** Yes
13. **If Yes Provide the Link:** <https://www.researchgate.net/profile/Abiona-Odeyemi>
14. **If No, Why:** Not applicable
15. **Registration with Google Scholar:** Yes
16. **If Yes, Provide the link:**  
<https://scholar.google.com/citations?user=3QAHKxMAAAAJ&hl=en>

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|-----|--|---|
| 17. | <b>If No, Why:</b>                           | Not applicable                                  |
| 18. | <b>Cell Phone Number:</b>                    | 07032512473                                     |
| 19. | <b>College / Faculty:</b>                    | College of Health Sciences / Clinical Sciences. |
| 20. | <b>Department:</b>                           | Medicine  |
| 21. | <b>Position on First Appointment:</b>        | Senior Lecturer                                 |
| 22. | <b>Current Position and Salary:</b>          | CONUASS 5                                       |
| 23. | <b>Date of Present Appointment/Position:</b> | 01/06/2022                                      |
| 24. | <b>Is your appointment confirmed?</b>        | Yes   |
| 25. | <b>If No, why Not?</b>                       | Not applicable                                  |
| 26. | <b>Date of Confirmation of Appointment:</b>  | 10/02/2025                                      |

**B: EDUCATIONAL BACKGROUND**

**1. Educational Institutions Attended with Dates:**

- i. Obafemi Awolowo University Teaching Hospitals Complex, Ile-Ife, Osun State. Jan 2015 – Dec 2015.
- ii. Ladoke Akintola University of Technology (LAUTECH) Teaching Hospital, Osogbo, Osun state. 2009 – 2014.
- iii. Ladoke Akintola University of Technology (LAUTECH) Ogbomoso, Oyo state. 1997 – 2005.

**2. Academic and Professional Qualifications with Dates/Issuing Authority:**

- a) Doctor of Medicine (MD), June 2024. National Postgraduate Medical College of Nigeria.

- b) Fellowship of the National Postgraduate Medical College of Nigeria (FMCP, Pulmonology). Nov. 2017. National Postgraduate Medical College of Nigeria.
- c) Bachelor of Medicine, Bachelor of Surgery (MB,BS). Nov. 2005. Ladoko Akintola University of Technology (LAUTECH) Ogbomoso, Oyo state

**3. Other Relevant Qualifications: Nil**

**4. Honours, Awards and Distinctions**

- a) **Scholarship:** Nil
- b) **Research Grants**
  - i. Royal Society of Tropical Medicine and Hygiene 2021 small grants programme in conjunction with the National Institute for Health Research for the project titled “ambient air pollution exposure and lung function assessments of fuel station attendants in Osogbo, Nigeria”. 2021.
  - ii. Bowen University Research Grant for the project titled “Lung function abnormalities in patients with sickle cell disease in Ogbomoso”. 2020.
- c) **National Awards:** None
- d) **Other Awards**
  - i. Meritorious service award as the Secretary-General, Nigerian Thoracic Society, 2021 – 2023. November 2024.
  - ii. Winner, best abstract prize, Resident Doctor Category, Annual General Meeting and Scientific Conference of the Nigerian Thoracic Society, Uyo, 2015.

- iii. Distinguish Membership Award by the Association of Resident Doctors, Ladoke Akintola University of Technology (LAUTECH) Teaching Hospital, Osogbo, Osun State. 19/12/14.
- iv. Outstanding contribution to Student Industrial Work Experience Scheme (SIWES) by the set 2011 Industrial Training Physiology Students of LAUTECH, Ogbomoso, Oyo State. 30/11/11.

**5. Research Fellowships with dates: Nil**

**C: WORK EXPERIENCE OUTSIDE THE UNIVERSITY SYSTEM**

- i. Consultant Physician and Pulmonologist, Bowen University Teaching Hospital, Ogbomoso. June 2018 – May 2022.
- ii. In-house Physician, Premier Specialists' Medical Centre, Victoria Island, Lagos. Jan 2016 – April 2018.
- iii. Senior Registrar, Dept. of Medicine, Obafemi Awolowo University Teaching Hospitals Complex, Ile-Ife, Osun State. Jan 2015 – Dec 2015.
- iv. Resident Doctor, Dept. of Medicine, LAUTECH Teaching Hospital, Osogbo, Osun State. Feb 2009 – Dec 2014.
- v. Medical officer, General Hospital Emure-Ekiti, Ekiti state. Nov 2008 - Jan 2009
- vi. Medical Officer (NYSC), Gwarinpa General Hospital Life Camp, Abuja. Nov. 2007- Sept 2008
- vii. House officer, LAUTECH Teaching Hospital (LTH) Osogbo, Osun state. August 2006- July 2007

viii. House Officer, State hospital Osogbo, Osun State. April - August 2006.

**D: WORK EXPERIENCE IN OTHER UNIVERSITIES WITH DATES**

i. Lecturer I, College of Health Sciences, Bowen University, Iwo, Osun State. June 2018 – May 2022.

**E: WORK EXPERIENCE IN OSUN STATE UNIVERSITY:**

i. Senior Lecturer, Department of Medicine, Faculty of Clinical Sciences, College of Health Sciences. June 2022 till date.

**F: CO-CURRICULAR PROFESSIONAL EXPERIENCE**

(a) Secretary General, Nigerian Thoracic Society. Nov 2021 – till date.

(b) Reviewer, West African Journal of Medicine. November 2021 till date.

(c) Reviewer, Saudi Journal of Kidney diseases and Transplantation. July 2021 till date.

(d) Reviewer, Research Journal of Health Sciences. June 2020 till date.

(e) Reviewer, Health Research and Ethics Committee, College of Health Sciences, Osun State University. November 2020 till date.

(f) Assistant Secretary General, Nigerian Thoracic Society. Nov 2019 – November 2021.

(g) Resource person/participant. CME on the Management of Acute Asthma. Organized by Asthma and Chest Care Foundation in collaboration with Respiratory unit, Department of Medicine, OAUTHC, Ile-Ife. May 2015.

(h) Member, Local Organizing Committee, Annual General Meeting and Scientific Conference of the Nigerian Society of Neurological Sciences, Osogbo, 2012.

- (i) Member, Caretaker Committee, Association of Resident Doctors, LAUTECH Teaching Hospital, Osogbo, Osun State. 2011.
- (j) Member, Gilead Unit, Living Faith Church, Osogbo. 2010 till date.
- (k) Financial secretary, Association of Resident Doctors, LAUTECH Teaching Hospital, Osogbo, Osun State. Jan 2010 - Dec 2010.

**G: MEMBERSHIP OF PROFESSIONAL BODIES**

- i. Member, World Association for Bronchology and Interventional Pulmonology. Nov. 2024 till date.
- ii. Member; Royal Society of Tropical Medicine and Hygiene. Oct. 2021 till date.
- iii. Member; European Respiratory Society. 2019 till date.
- iv. Member; Pan African Thoracic society. 2019 till date.
- v. Fellow; National Postgraduate Medical College of Nigeria. 2017 till date.
- vi. Member; Nigerian Thoracic Society. 2013 till date.
- vii. Member; Nigerian Medical Association. 2005 till date.

**H: SERVICE**

- i. **Within Osun State University:**
  - a. **Departmental level**
    - i. Course coordinator for MED 101 2024/2025 academic session.
    - ii. Member, Examinations Committee, Department of Medicine. December 2022 to July 2024

- iii. Member, Internal Quality Assurance Committee, Department of Medicine. September 2022 to July 2024.
- iv. Acting Head, Department of Medicine. August 2022 to July 2024
- v. Chairman, curriculum review committee for the Department of Medicine. June 2022 to July 2022.

**b. Faculty level**

- i. Acting Dean, Faculty of Clinical Sciences on various occasions whenever the Dean is absent. April 2024 till date.
- ii. Member, Committee for Faculty of Clinical Sciences course codes for BMAS-based clinical students and the future adoption of the CCMAS for the MBBS programme. May 2023 to June 2023.
- iii. Chairman, clinical posting committee for the faculty of clinical sciences. June 2022 till date.

**c. College level**

- i. Member, 100% CCMAS development committee for the MBBS programme. Nov. 2024 to Dec. 2024.
- ii. Chairman planning committee, 2023 Annual College Lecture.

**d. University level**

- i. Member, CCMAS vetting committee for the College of Science, Engineering and Technology. Nov. 2024 to Dec. 2024.
- ii. Member, University Senate. August 2022 to July 2024.
- iii. Member, Editorial Board Member, Research Journal of Health Sciences. February 2024 till date.

- iv. Staff Adviser; Journal of Osun State University Medical Students Association (JOSUMS). 2023 till date
- ii. **Within Bowen University:**
  - a. Member, Task force committee on Accreditation visit by the Medical and Dental Council of Nigeria. Jan 2021 – May 2022.
  - b. Invigilator, Part II MBBS examination. July 2018.
  - c. Invigilator, Part II MBBS examination. Aug – Sep 2018.
  - d. Member, Induction Planning Committee. February 2019 – October 2020.
  - e. Member, examination planning committee, Department of Medicine. Feb 2020 – May 2022.
- iii. **Within Bowen University Teaching Hospital:**
  - a. Deputy Director of Clinical Services, Bowen University Teaching Hospital. 1st July, 2020 – 31<sup>st</sup> May, 2022.
  - b. Member, Top Management committee, Bowen University Teaching Hospital. 1st July, 2020 – 31<sup>st</sup> May, 2022.
  - c. Chairman, Blood transfusion committee, Bowen University Teaching Hospital. 1st July, 2020 – 31<sup>st</sup> May, 2022.
  - d. Chairman, Laboratory consumables and Reagents committee, Bowen University Teaching Hospital. 1st July, 2020 – 31<sup>st</sup> May, 2022.
  - e. Chairman, Drug Revolving fund committee, Bowen University Teaching Hospital. 1st July, 2020 – 31<sup>st</sup> May, 2022.
  - f. Chairman, National Health Insurance scheme (NHIS) committee, Bowen University Teaching Hospital. 1st July 2020 – 31<sup>st</sup> May, 2022.

- g. Member, contract appointment committee, Bowen University Teaching Hospital. 1st July, 2020 – 31<sup>st</sup> May, 2022.
  - h. Member, finance committee, Bowen University Teaching Hospital. 1st July, 2020 – 31<sup>st</sup> May, 2022.
  - i. Member, price review committee, Bowen University Teaching Hospital. 1st July, 2020 – 31<sup>st</sup> May, 2022.
  - j. Member, Senior Staff Appointments and Promotions committee, Bowen University Teaching Hospital. 1st July, 2020 – 31<sup>st</sup> May, 2022.
  - k. Member Covid19 taskforce of Bowen University Teaching Hospital. April 2020 – 31<sup>st</sup> May, 2022.
- iv. **Within General Hospital, Emure-Ekiti, Ekiti State.**
- a. Medical Director, General Hospital Emure-Ekiti, Ekiti State. November 2008 – February 2009.
- v. **Within the Community.**
- a. Chairman, 2023 health week planning committee, Gilead Medical Unit, Living Faith Church, Oke Oniti, Osogbo.
  - b. Community Research works on Prevalence and risk factors of non-communicable diseases in Ejigbo, Ejigbo Local Government area of Osun State, May – August 2019.
  - c. Community Medical outreach in Ejigbo community, May 2019.
  - d. Community Research works on lung function assessment among secondary school students in Osogbo Local Government area of Osun State, March – May 2018.

- e. Academic coordinator, Premier Specialists' Medical Centre, Victoria Island, Lagos. Jan 2018 - April 2018.
- f. Resource person, health talks on hypertension; organized by Rhema Baptist church, Osogbo. June 2014
- g. Annual community medical outreach programme organised by Living faith church, Osogbo. 2013 – 2021.
- h. Resource person, health talks on healthy living among the elderly; organized by Living faith church Osogbo. May 2013.
- vi. **National:** National Youth Service Corp Medical Officer, Gwarinpa General Hospital Life Camp, Abuja. Nov. 2007- Sept 2008
- vii. **International:** Nil

**I: COURSES TAUGHT WITHIN THE CURRENT ACADEMIC SESSION**

- a) MED 101: Practice of Medicine: Mediaeval to contemporary
- b) MED 401: Introduction to Clinical Medicine I
- c) MED 403: Introduction to Clinical Medicine II
- d) MED 409: Clinics, Call Duty and Bed Side Teaching I
- e) MED 402: Respiratory Medicine I
- f) MED 406: Infectious Diseases
- g) MED 410: Clinics, Call Duty and Bed Side Teaching II
- h) MED 614: Infectious diseases II
- i) MED 618: Pulmonology II
- j) MED 620: Clinics, Call Duty and Bed Side Teaching

**J: Current Graduate Studies Supervision:**

- i. Currently ongoing; in part fulfilment of the Fellowship of the West African College of Physicians.
  - a. Name of candidate: Dr Adebukola Kehinde Adodo
  - b. Thesis title: Relationship between asthma control and lung function among asthma patients in Osun State, Nigeria.
- ii. Currently ongoing; in part fulfilment of the Fellowship of the National Postgraduate Medical College of Nigeria.
  - a. Name of candidate: Dr Eno-Abasi E. Etuk.
  - b. Thesis title: Assessment of the association between eosinophil count and asthma severity among asthma patients in a Tertiary facility in Abuja.

**K: PUBLICATIONS:**

- I. **Books (authored/co-authored):** Nil
- II. **Books (edited/co-edited):** Nil
- III. **Monographs:** Nil
- IV. **Chapters in books:**
  1. **Odeyemi A.O.** (2023). Spirometry: Case Presentation. In: Alebiosu Olutayo. (ed.). *Companion to Tropical Medicine*. Ile-Ife, Nigeria. Obafemi Awolowo University Press. 234-236. ISBN: 978-978-136-105-0. Available at: [https://www.researchgate.net/publication/390096074\\_Spirometry\\_Case\\_Presentation#fullTextFileContent](https://www.researchgate.net/publication/390096074_Spirometry_Case_Presentation#fullTextFileContent) **onshore**

2. **Odeyemi A.O.** (2022). Asthma. In: Alebiosu C.O., Ayodele O.E. (eds.). *Essential Textbook of Medicine*. Osogbo, Nigeria. UNIOSUN Publishing Limited. 106-110. ISBN: 978-978-987-399-9. Available at: [https://www.researchgate.net/publication/360135728\\_Asthma#fullTextFileContent](https://www.researchgate.net/publication/360135728_Asthma#fullTextFileContent) **onshore**
3. **Odeyemi A.O.** (2022). Respiratory diseases caused by fungi. In: Alebiosu C.O., Ayodele O.E. (eds.). *Essential Textbook of Medicine*. Osogbo, Nigeria. UNIOSUN Publishing Limited. 131-134. ISBN: 978-978-987-399-9. Available at: [https://www.researchgate.net/publication/360135664\\_Respiratory\\_diseases\\_caused\\_by\\_fungi#fullTextFileContent](https://www.researchgate.net/publication/360135664_Respiratory_diseases_caused_by_fungi#fullTextFileContent) **onshore**
4. **Odeyemi A.O.** and Ojo O.T. (2020). Pulmonary Complications of Sickle Cell Disease. In: Alebiosu C.O. (ed): *Sickle Cell Disease: From the Laboratory to Clinical Practice*. Newcastle upon Tyne, UK: Cambridge Scholars Publishing. 120-135. ISBN (10): 1-5275-4260-2. ISBN (13): 978-1-5275-4260-0. Available at: [https://www.researchgate.net/publication/348077075\\_Pulmonary\\_Complications\\_of\\_Sickle\\_Cell\\_Disease#fullTextFileContent](https://www.researchgate.net/publication/348077075_Pulmonary_Complications_of_Sickle_Cell_Disease#fullTextFileContent) **offshore**
5. **Odeyemi A.O.** (2019). HIV/AIDS and the respiratory system. In: Asekun-Olarinmoye E.O. and Alebiosu C.O. (eds): *New insights into HIV/AIDS for students and Health care Professionals*. Newcastle upon Tyne, UK: Cambridge Scholars Publishing. 99-125. ISBN (10): 1-5275-2196-6. ISBN (13): 978-1-5275-2196-4. Available at:

[https://www.researchgate.net/publication/348077205\\_HIVAIDS\\_and\\_the\\_respiratory\\_system#fullTextFileContent](https://www.researchgate.net/publication/348077205_HIVAIDS_and_the_respiratory_system#fullTextFileContent) offshore

V. **Articles in learned journals:**

6. **Odeyemi AO**, Adewole OO, Adebowale A, Adeyeye AG, Bamikefa TA, Ala OA, Yusuf AO and Olayemi O. (2025) Lung function abnormalities and its associated factors among stroke survivors in two tertiary hospitals in southwest Nigeria. *Sierra Leone Journal of Medicine* 2(1): 59-65. **Official publication of the University of Sierra Leone Teaching Hospitals Complex. Publisher: University of Sierra Leone Teaching Hospitals Complex. Available at: <https://sljm.org/journal/index.php/sljm/article/view/152> offshore**
7. Odeyemi AO, Olasinde YT, **Odeyemi AO**, Oni OO, Idowu OJ, Adeyemo AT. (2025) Hypoxaemia And Associated Factors Among Children And Adolescents With Sickle Cell Anaemia In Steady State In A Tertiary Hospital In Nigeria. *Sierra Leone Journal of Medicine*. 2(1): 53-58. **Official publication of the University of Sierra Leone Teaching Hospitals Complex. Publisher: University of Sierra Leone Teaching Hospitals Complex. Available at: <https://sljm.org/journal/index.php/sljm/article/view/154> offshore**
8. Ala OA, Uduagbamen PK, Yusuf AO, Bamikefa TA, **Odeyemi AO**, Adedire A, Soyoye DO, Adeyeye AG and Kolawole B. (2025) Metabolic profiling in type 2 diabetes: a gender-based approach in a resource-constrained Nigerian setting. *Alexandria Journal of Medicine*. 61(1): 129-137. **Journal of the**

**Alexandria University Faculty of Medicine. Publisher: Taylor and Francis online, UK. Available at: <https://doi.org/10.1080/20905068.2024.2439027> offshore**

9. Ala OA, Uduagbamen PK, Yusuf AO, **Odeyemi AO**, Olayemi O, Adedire A, and Adeyeye AG. (2024) Insulin Resistance in Type 2 Diabetes Mellitus: Pattern, Determinants, and Correlates in a Resource-Challenge Nigerian Setting. *Assam Journal of Internal Medicine* 14: 101-108. **Official publication of the Association of Physicians of India, Assam Chapter. Publisher: Wolters-Kluwer-Medknow, India. Available at: [https://journals.lww.com/ajim/fulltext/2024/07000/insulin\\_resistance\\_in\\_type\\_2\\_diabetes\\_mellitus\\_2.aspx](https://journals.lww.com/ajim/fulltext/2024/07000/insulin_resistance_in_type_2_diabetes_mellitus_2.aspx) offshore**
10. Oni OO, **Odeyemi AO**, Olasinde YT, Odeyemi AO, Olufemi-Aworinde KJ, Abolarin AT and Ala OA. (2023) *Pulmonary Hypertension and Left Ventricular Geometric Types in Sickle Cell Anemia*. *The American Journal of Cardiology*. 203: 175–183. **Publisher: Elsevier. Available at: <https://www.sciencedirect.com/science/article/abs/pii/S0002914923005106> offshore**
11. Adewole OO, Omotoso BA, Ogunsina M, Aminu A, Ayoola O, Adedeji T, Awopeju OF, Sogaolu OM, Adewole TO, **Odeyemi AO**, Jiya E, Andero V, et al. (2023) *Atorvastatin improves sputum conversion and chest X-ray severity score*. *International Journal of Tuberculosis and Lung Diseases*. 27(12):912–917. **Official publication of The International Union against Tuberculosis and Lung Disease. Publisher: International Union against Tuberculosis**

and Lung Disease (The Union) Abstract url:  
<https://doi.org/10.5588/ijtld.23.0190> Available at:

<https://www.researchgate.net/publication/376175907> **Atorvastatin improves sputum conversion and chest X-ray severity score offshore**

12. Odeyemi AO, Odeyemi AO, Ojewuyi AR, Olasinde YT, Oni OO and Ojo OT. (2023) Factors Associated with Mortality among Patients with Tuberculosis in a Tertiary Hospital in South West Nigeria. *Assam Journal of Internal Medicine* 13: 57-63. **Official publication of the Association of Physicians of India, Assam Chapter. Publisher: Wolters-Kluwer-Medknow, India. Available at:**

[https://journals.lww.com/ajim/fulltext/2023/13020/factors\\_associated\\_with\\_mortality\\_among\\_patients.3.aspx](https://journals.lww.com/ajim/fulltext/2023/13020/factors_associated_with_mortality_among_patients.3.aspx) offshore

13. Oni OO, Akinwusi PO, Owolabi JI, Odeyemi AO, Israel GM, Ala OA, Akande JO, Oke EO, Israel OK, Idowu A, Aremu AO. (2022) Chronic Kidney disease and its clinical correlates in a rural community in south western Nigeria. *Saudi Journal of Kidney Diseases and Transplantation*. 22(6): 774-783. **Official publication of the Saudi Center for Organ Transplantation, Riyadh, Saudi Arabia. Publisher: Wolters-Kluwer-Medknow, India. Available at:**

[https://journals.lww.com/sjkd/fulltext/2022/33060/chronic\\_kidney\\_disease\\_and\\_its\\_clinical\\_correlates.6.aspx](https://journals.lww.com/sjkd/fulltext/2022/33060/chronic_kidney_disease_and_its_clinical_correlates.6.aspx) offshore

14. Odeyemi AO, Oni OO, Odeyemi AO, Olufemi-Aworinde KJ, Ala OA, Abolarin OT. (2022) Pulmonary Hypertension in People with Sickle Cell

Disease in a Nigerian Tertiary Hospital. *Assam Journal of Internal Medicine* 12(1): 3-9. **Official publication of the Association of Physicians of India, Assam Chapter. Publisher: Wolters-Kluwer-Medknow, India. Available at:**

**[https://journals.lww.com/ajim/fulltext/2022/12010/pulmonary\\_hypertensi\\_on\\_in\\_people\\_with\\_sickle\\_cell.2.aspx](https://journals.lww.com/ajim/fulltext/2022/12010/pulmonary_hypertensi_on_in_people_with_sickle_cell.2.aspx) offshore**

15. **Odeyemi AO**, Olufemi-Aworinde KJ, Odeyemi AO, Oni OO, Olasinde YT, Akande JO. (2022) Lung function abnormalities in patients with sickle cell disease in a Nigerian tertiary health centre. *Alexandria Journal of Medicine* 58(1): 31-37. **Journal of the Alexandria University Faculty of Medicine. Publisher: Taylor and Francis online, UK. Available at:** **<https://doi.org/10.1080/20905068.2022.2057146> offshore**

16. Oni OO, Akinwusi PO, Olufemi-Aworinde KJ, **Odeyemi AO**, Idowu A, Israel OK, Israel GM, Ala OA, Akande JO, Aremu AO, Durodola A, Owolabi JI. (2022) Blood group and its correlation with cardiovascular risk factors: A community survey. *Annals of Clinical and Biomedical Research* 3(1): 164. **Journal of the Nigerian Medical Association, Enugu State Chapter. Publisher: Licensee PAGEPress, Italy. Available at:** **<https://africa.pagepress.net/acbr/article/view/164> onshore**

17. Ojewuyi AR, **Odeyemi AO**, Odeyemi AO. (2022). Extra-Pulmonary presentation of Tuberculosis among patients managed for Tuberculosis at a tertiary hospital in South-West Nigeria: A retrospective study. *Western Journal of Medical and Biomedical Sciences* 3(1):81-88. **Official journal of**

the University of Medical Sciences, Faculty of Basic Clinical Sciences, Ondo-city, Ondo State Nigeria. Publisher: Faculty of Basic Clinical Sciences, University of Medical Sciences, Ondo State Nigeria. Available at: <https://wjmb.com.ng/index.php/wjmb/article/view/64> onshore

18. Oni OO, Akinwusi PO, Odeyemi AO, Israel GM, Ala OA, Owolabi JI, Akande JO, Oke EO, Israel OK, Idowu A, Aremu AO. (2021) Gender peculiarities of Left Ventricular Hypertrophy in a rural community. *Niger Delta Medical Journal* 5(3):7-19. Journal of the Medical and Dental Consultants' Association of Niger Delta University Teaching Hospital. Publisher: The Medical and Dental Consultants' Association, Niger Delta University, Bayelsa State, Nigeria. Journal url: <https://ndjmmr.org/> Publication url: <https://www.researchgate.net/publication/358397659> Gender peculiarities of LVH in a rural community in southwest Nigeria onshore

19. Odeyemi AO, Odeyemi AO, Awopeju OF, Adewole OO, Tanimowo MO, Erhabor GE. (2021). Pulmonary Tuberculosis in a cohort of HIV patients in a tertiary hospital in Osogbo, southwestern Nigeria. *Niger Delta Medical Journal* 5(2):7-15. Journal of the Medical and Dental Consultants' Association of Niger Delta University Teaching Hospital. Publisher: The Medical and Dental Consultants' Association, Niger Delta University, Bayelsa State, Nigeria. Journal url: <https://ndjmmr.org/> Publication url: <https://www.researchgate.net/publication/352169734> PULMONARY TU

**BERCULOSIS IN A COHORT OF HIV PATIENTS IN A TERTIARY HOSPITAL IN OSOGBO SOUTHWESTERN NIGERIA onshore**

20. **Odeyemi AO**, Odeyemi AO, Awopeju OF, Adewole OO, Tanimowo MO, Erhabor GE. (2021). Community-acquired lower respiratory tract infections in an adult population with HIV infection in a Nigerian tertiary hospital. *Research Journal of Health Sciences*. 9(2):150-157. **Journal of the College of Health sciences, Osun State University. Publisher: Osun State University. Available at: <https://www.ajol.info/index.php/rejhs/article/view/205855>** onshore
21. Oni OO, Akinwusi PO, **Odeyemi AO**, Israel GM, Ala O, Akande JO, Oke EO, Durodola A, Idowu A, Israel OK, Aremu AO. (2021). Hypertension and Its Clinical Correlates in a Rural Community in South Western Nigeria. *West African Journal of Medicine*. 38(3):233-240. **Journal of the West African College of Physicians and West African College of Surgeons. Publisher: West African College of Physicians and Surgeons. Journal url: <https://wajmed.com/index.php/wajmed> Publication url: [https://www.researchgate.net/publication/350439842\\_Hypertension\\_and\\_its\\_Clinical\\_Correlates\\_in\\_a\\_Rural\\_Community\\_in\\_South\\_Western\\_Nigeria#fullTextFileContent](https://www.researchgate.net/publication/350439842_Hypertension_and_its_Clinical_Correlates_in_a_Rural_Community_in_South_Western_Nigeria#fullTextFileContent) offshore**
22. Ojewuyi AR, **Odeyemi AO**, Odeyemi AO, Olotu AA, Oladipo TS. (2021). Prevalence of rifampicin-resistant tuberculosis and its associated factors in a tertiary health care center, South-west Nigeria: A 5-Year review. *Caliphate Medical Journal* 9(1):513-516. **Publication of Nigerian Medical**

Association, Sokoto state chapter. Publisher: Nigerian Medical Association, Sokoto state chapter, Nigeria. Available at: [https://nmasokoto.org/cmj/view\\_volume.php?volume=9&issue=January%20-%20March%202021&year=2021](https://nmasokoto.org/cmj/view_volume.php?volume=9&issue=January%20-%20March%202021&year=2021) onshore

23. Odeyemi AO, Odeyemi AO, Musa TL. (2021). Determinants of Outcome among Under-Five Children Hospitalized with Pneumonia at a Tertiary Health Facility in South-West Nigeria. *West African Journal of Medicine*. 38(2):114-119. **Journal of the West African College of Physicians and West African College of Surgeons. Publisher: West African College of Physicians and Surgeons Available at: <https://wajmed.com/index.php/wajmed/article/view/951> offshore**
24. Odeyemi AO, Oyedeji AO, Adebami OJ, Odeyemi AO, Agelebe E. (2020). Complications of Pneumonia and its associated factors in a pediatric population in Osogbo, Nigeria. *Nigerian Journal of Paediatrics*. 47(4):318-323. **Journal of the Paediatric Association of Nigeria. Publisher: Paediatric Association of Nigeria. Available at: <https://www.ajol.info/index.php/njp/article/view/199131> onshore**
25. Odeyemi AO, Oni OO, Israel GM, Ala OA, Akande JO, Idowu A, Israel OK, Aremu AO, Oke EO, Akinwusi PO. (2020). Risk of Obstructive Sleep Apnoea among Adults in a Rural Community in Southwest Nigeria. *West African Journal of Medicine*. 37(7):750-756. **Journal of the West African College of Physicians and West African College of Surgeons. Publisher: West African College of Physicians and Surgeons. Journal url:**

<https://wajmed.com/index.php/wajmed> Publication url:

<https://www.researchgate.net/publication/348066778> **Risk of Obstructive Sleep Apnoea among Adults in a Rural Community in Southwest Nigeria** offshore

26. Odeyemi AO, **Odeyemi AO**, Kayode OV, Oseni SBA, Oyedeji OA. (2020). Exercise-induced bronchospasm and its associated factors among secondary school students in an urban community. *Alexandria Journal of Medicine* 56(1):203-209. **Journal of the Alexandria University Faculty of Medicine.** **Publisher: Taylor and Francis online. Available at:** <https://doi.org/10.1080/20905068.2020.1848238> offshore
27. **Odeyemi AO**, Ala AO, Ogunwobi OO, Odeyemi AO, Oni OO, Israel GM, Oyewusi DO. (2020). Risk of Obstructive Sleep Apnea Syndrome in an adult population with HIV infection in Southwest Nigeria. *Nigerian Journal of Chest Diseases* 2(1):79-85. **Journal of the Nigerian Thoracic Society.** **Publisher: Nigerian Thoracic Society. Available at:** <https://njcd.nigerianthoracicsociety.org.ng/index.php/home/article/view/52> onshore
28. Odeyemi AO, Adebami OJ, Okeniyi JAO, **Odeyemi AO**, Kayode OV. (2020). Hypoxaemia and its clinical predictors among children with pneumonia at a tertiary centre in Osogbo, Southwestern, Nigeria. *Research Journal of Health Sciences*. 8(2):80-91. **Official publication of the College of Health sciences, Osun state university. Publisher: Osun State University. Available at:** <https://www.ajol.info/index.php/rejhs/article/view/197482> onshore

29. Adewole OO, Onakpoya UU, Ogunrombi AB, Komolafe A, **Odeyemi AO**, Adeniran S, Erhabor G. (2016). Flexible fiberoptic bronchoscopy in respiratory care: Diagnostic yield, complications, and challenges in a Nigerian Tertiary Center. *Nigerian Journal of Clinical Practice* 20:77-81. **Journal of the Medical and Dental Consultants' Association of Nigeria. Publisher: Wolters-Kluwer-Medknow, India. Available at: [https://journals.lww.com/njcp/fulltext/2017/20010/Flexible\\_fiberoptic\\_bronchoscopy\\_in\\_respiratory.14.aspx](https://journals.lww.com/njcp/fulltext/2017/20010/Flexible_fiberoptic_bronchoscopy_in_respiratory.14.aspx) onshore**

VI. **Review Articles:**

30. Ojo OT and **Odeyemi AO**. (2023) Non-Mycobacteria Tuberculosis in Africa: A Literature Review. *Ethiopian Journal of Health Sciences*. 33(5): 913-918. **Official publication of the College of Health Sciences of Jimma University. Publisher: College of Health Sciences of Jimma University. Available at: <https://www.ajol.info/index.php/ejhs/article/view/255820> offshore**

VII. **Refereed Conference Proceedings:** Nil

VIII. **Un-refereed Conference Proceedings:** Nil

IX. **Book Reviews:** Nil

X. **Technical Reports:** Nil

XI. **Patents and Inventions:** Nil

XII. **Online Journal Articles (For Journals with no hard copies only):** Nil

**L: CURRENT RESEARCH ACTIVITIES**

(i) **Funded Research:** Ambient air pollution exposure and lung function assessment of fuel station attendants in Osogbo, Nigeria: a cross-sectional study

**(ii) Non- funded/self-sponsored Research**

1. Lung function assessment among patients with type 2 DM.
2. Lung function assessment of post pulmonary tuberculosis patients.
3. Predictors of loss of corticomedullary differentiation in a rural community in southwest Nigeria
4. Retrospective overview of Gastroenterology in-patient clinical spectrum, outcome and survival profile in a tropical urban tertiary facility: A 5-year trend.
5. The interphase between depression and common cardiovascular risk factors at the grassroots community level in southwest Nigeria.
6. Correlates of Ankle brachial index abnormalities in the sickle cell anemia populace
7. Relative systemic hypertension in patients with Sickle Cell Disease: An observational Study from Ogbomoso, Nigeria.
8. Chronic kidney disease and its clinical correlates in a rural community in Southwestern Nigeria.
9. Pattern of lung function among patients seen in a Pulmonology clinic in Osogbo, Nigeria.
10. Lupus Pneumonitis in a 58 year old woman inn Ogbomoso, Nigeria: A case report.

**M: CONFERENCES (SEMINARS AND WORKSHOPS) ATTENDED.**

**CONFERENCES**

- I. Annual General Meeting and Scientific Conference of the Nigerian Thoracic Society, Enugu, Nov. 2024
- II. Annual Scientific Conference and All Fellows Congress of the National Postgraduate Medical College of Nigeria, Port Harcourt, September, 2024
- III. Annual General Meeting and Scientific Conference of the Nigerian Thoracic Society, Port Harcourt, Nov. 2023
- IV. Annual General Meeting and Scientific Conference of the Nigerian Thoracic Society, Abuja, Nov. 2022.
- V. International Respiratory Forum 2022 organized by Getz Pharma, Ho Chi Minh City, Vietnam, 2022.
- VI. Annual General Meeting and Scientific Conference of the Nigerian Thoracic Society, Lagos, Nov. 2021.
- VII. Annual General Meeting and Scientific Conference of the Nigerian Thoracic Society (Virtual), Asaba / Nnewi, Nov. 2020.

**Papers presented:**

- a. Tuberculosis treatment outcomes and its associated factors in a tertiary health centre in south-western Nigeria: A five-year retrospective review.
  - b. Factors associated with mortality among patient with tuberculosis in a resource-poor setting.
- VIII. Annual General Meeting and Scientific Conference of the Nigerian Thoracic Society, Calabar, Nov. 2019.

**Paper presented:**

- a. Risk of Obstructive sleep apnoea syndrome in an adult population with HIV infection in Southwest Nigeria.
- IX. Annual Scientific Conference and All Fellows Congress of the National Postgraduate Medical College of Nigeria, International Conference Centre, Abuja, September, 2019.
  - X. Annual General Meeting and Scientific Conference of the Nigerian Thoracic Society, Abuja, Nov. 2018.
  - XI. Annual General Meeting and Scientific Conference of the Nigerian Thoracic Society, Ibadan, 2016.
  - XII. Annual General Meeting and Scientific Conference of the Nigerian Thoracic Society, Uyo, 2015.
- Paper presented:**
- a. Flexible fiberoptic bronchoscopy in Ile-Ife, Nigeria: diagnostic yield and complications.
- XIII. Annual General Meeting and Scientific Conference of the Nigerian Thoracic Society, Lagos, 2014.
  - XIV. Annual General Meeting and Scientific Conference of the Nigerian Thoracic Society, Ile-Ife, 2013.
  - XV. 37<sup>th</sup> Annual General Meeting and Scientific Conference of the West African College of Physicians, Nigeria chapter, Osogbo 2013.
  - XVI. 8<sup>th</sup> Annual Scientific Congress and All Fellows Meeting of the National Postgraduate Medical College of Nigeria. Ile-Ife 2013.

- XVII. Annual General Meeting and Scientific Conference of the Nigerian Society of Neurological Sciences, Osogbo, 2012.

**SEMINARS/WORKSHOPS**

- I. One-day training workshop, organised by Osun State University, Feb. 2025.
- II. Faculty Day Lecture: Impact of blue light on the eyes; organised by the Faculty of Clinical Sciences, Osun State University. July 2024
- III. Capacity building workshop, organized by College of Health Sciences, Osun State University. January 2024.
- IV. One Day capacity building workshop, organized by Osun State University. November 2023.
- V. Basic life support program, organized by the American Heart Association. January 2022.
- VI. Advanced cardiovascular life support program, organized by the American Heart Association. January 2022.
- VII. Medical education course organised by the National Postgraduate Medical College of Nigeria. November 2021.
- VIII. Academic Publishing Workshop organised by Research Journal of Health Sciences in Partnership with College of Health Sciences, Osun State University. May 2019.
- IX. CME on the Modern therapeutic approach to the management of Asthma. Organized by Asthma and Chest Care Foundation. May 2018.
- X. Intensive revision course part 2. Faculty of Internal Medicine, National Postgraduate Medical College of Nigeria. Jan. 2015

- XI. Resource person/participant. CME on the Management of Acute Asthma. Organized by Asthma and Chest Care Foundation in collaboration with Respiratory unit, Department of Medicine, OAUTHC, Ile-Ife. May 2015.
- XII. Research Methodology workshop organized by National Postgraduate Medical College of Nigeria. March 2014.
- XIII. Health Resources Management Workshop organized by National Postgraduate Medical College of Nigeria. March 2014.

**N: EXTRA-CURRICULAR ACTIVITIES**

Reading

Listening to music

Meeting people

**O: OTHER RELEVANT INFORMATION**

**a) Manuscripts submitted for publication**

1. **Odeyemi AO**, Adewole OO, Odeyemi AO, Ojo OT, Adedire A and Azeez L. Ambient air pollution exposure and lung function assessments of fuel station attendants in Osogbo, Nigeria: a cross-sectional study. American Journal of Medicine Open. AJMO-D-24-00217.
2. Oni OO, **Odeyemi AO**, Olasinde YT, Odeyemi AO, Olufemi-Aworinde KJ, Abolarin AT and Ala OA. Correlates of Ankle brachial index abnormalities in the sickle cell anemia populace. American Journal of Medicine Open. AJMO-D-24-00141

**b) Professional Accomplishments**

I pioneered the setting up of the Respiratory unit (together with Pulmonary function testing) in the Department of Medicine of Bowen University Teaching Hospital, Ogbomoso.

**P. SUMMARY OF CONTRIBUTION TO KNOWLEDGE**

My major research interest is in the area of Pulmonology especially the lungs in systemic diseases, pulmonary infections and obstructive sleep apnoea (papers 1 – 7, 10 – 12, 14, 15, 17, 19, 20, 22, – 30).

**The lungs in systemic diseases.**

The lungs are the major organs of respiration and they play a vital role of oxygenating the blood. The lung is one of the most commonly affected organs in systemic diseases. Among people living with Sickle cell disease (SCD), lung pathology is responsible for 20% of mortality. Among people living with HIV/AIDS, the lung is the most commonly affected organ and lung pathology is most commonly associated with morbidity and mortality.

In papers **4 and 5**, I gave an overview of the pulmonary complications of Sickle cell Disease and HIV/AIDS respectively. I highlighted the frequency of these complications, their clinical manifestations, diagnosis and treatment. The primary function of the lung is gas exchange. One of the complications of sickle cell anaemia (SCA) is hypoxaemia, which manifests as a result of impairment of gas exchange in the lungs. **In paper 7**, we assessed the prevalence of hypoxaemia and determined the clinical and laboratory features associated with hypoxaemia among children with SCA in steady state compared to children with haemoglobin AA. We observed that the prevalence of hypoxaemia was 16.7% and that hypoxaemia was significantly associated with increasing age, repeated

episodes of crisis of three or more times in the preceding year, type of crisis, non-usage of hydroxyurea and tricuspid regurgitant velocity  $\geq 2.5$  m/s. **In paper 15**, we highlighted the lung function abnormalities and its associated factors among patients with sickle cell Disease. We observed that Lung function abnormalities occur frequently among people with SCD with the restrictive pattern being the most common abnormality and these abnormalities occur more frequently as these patients age. **In paper 14**, we investigated the prevalence of pulmonary Hypertension in patients with sickle cell disease and its associated factors. We observed that pulmonary hypertension (PHT) remains common among patients with SCD and it is associated with female gender, increasing age, a rising BMI, blood pressure and serum creatinine, and a decreasing oxygen saturation and hematocrit. **In paper 10**, we observed that 66.7% of those with PHT had concentric left ventricular hypertrophy (LVH) whereas none of those with eccentric LVH had PHT. Age, body mass index, systolic blood pressure, aortic root diameter, concentric LVH, serum creatinine, history of stroke, chest pain, and avascular necrosis of the head of femur correlated directly whereas eccentric LVH correlated inversely with PHT. Another systemic disease with pulmonary complications is stroke. **In paper 6**, we assessed the spirometric abnormalities in stroke survivors and explored its relationship with the degree of disability, the stroke type and the affected brain hemisphere. We observed that restrictive ventilatory pattern (seen in 43%) was the most common spirometric pattern observed among the participants. We also found a significant relationship between the modified Rankin scale score and the spirometric measurements (FVC and FEV1).

### **Lung infections**

Pulmonary infections is particularly common among people living with HIV and in extreme of ages (children and the elderly).

We observed that 13.9% of our study participants developed lower respiratory tract infections (LRTI) during the study period and this was significantly associated with CD4 count and cigarette smoking history (**paper 20**). We also observed that over 54% of children with pneumonia developed complications and that complicated pneumonia was associated with prolonged hospital stay and increased risk of mortality (**paper 24**). We also observed that 38% of children with pneumonia had hypoxaemia at presentation (**paper 28**) while 57% of those with complicated pneumonia had hypoxaemia at presentation (**paper 24**). The clinical predictors of hypoxaemia were observed to be a combination of nasal flaring with central cyanosis, grunting and tachypnoea (**paper 28**). Pneumonia in children was observed to have a case-fatality ratio of 10.1% and independent predictors of pneumonia mortality were temperature  $>38.3^{\circ}\text{C}$ , grunting, central cyanosis, hypoxaemia and severe anaemia (**paper 23**).

Tuberculosis (TB) remains a disease of major public health concern in our environment. This is as a result of the prevalent HIV infection and the issue of drug-resistant Tuberculosis. In a cohort of people living with HIV, we observed that 4.9% of them developed Pulmonary TB during the study period (**paper 19**) and this was significantly associated CD4 count and cigarette smoking. In addition to HIV, one of the reasons why tuberculosis has remained prevalent in the community is the issue of drug resistant TB, especially multidrug resistant TB. One of the major first-line drugs used in treating TB is rifampicin. **In paper 22**, we sought to assess the prevalence of rifampicin resistant TB over a 5-year period and the associated risk factors. We observed that the prevalence of

rifampicin-resistant TB was 2.5% and that the associated risk factors include male gender and Re-treatment cases of TB. A possible contributor to the development of drug-resistant TB is misdiagnosis of *Non-tuberculous mycobacteria* (NTM) as **Mycobacteria tuberculosis**. This has led to inappropriate treatment, increased mortality and potential contribution to drug-resistant TB. **In paper 30** we did a literature review to provide an overview of the prevalence, clinical manifestations, diagnosis, and management of NTM infections in

Africa. The occurrence of drug-resistant TB has led to further research in search of new drugs for the treatment of TB. **In paper 11**, we investigated the safety and effectiveness of atorvastatin use with standard anti-TB drugs. We observed that atorvastatin is safe and it is associated with improved microbiological and radiological outcomes in TB. Although *Mycobacterium tuberculosis* most commonly affects the lungs, it also has extra-pulmonary manifestation. **In paper 17**, we observed that 16.3% of our study participants had extra-pulmonary tuberculosis with the commonest presentation being spinal tuberculosis and it was more common in the younger age group. TB is not only prevalent in our environment, it continues to be associated mortality. **In paper 12** we assessed the factors contributing to TB mortality in a tertiary hospital over a seven-year period and we observed that 12.0% of the patientd died during the period under review and this mortality was independently associated with older age and HIV-positive status. **In papers 3** I gave an overview of respiratory diseases caused by fungi highlighting the clinical manifestations, diagnosis and treatment of these infections.

### **Obstructive sleep apnoea (OSA)**

OSA is a common medical condition which has long been recognized as a major contributor to morbidity and mortality in developed countries but that remains underdiagnosed, particularly in rural communities. The diagnosis of OSA is by an overnight sleep study or polysomnography but this is not readily available in our environment. We, therefore, used a validated screening questionnaire (the STOPBANG questionnaire) to determine the prevalence of OSA in Ejigbo community and we observed that 34.2% of a sample of Ejigbo residents had a high risk of OSA and the associated factors were male gender, age, BMI, neck circumference, cigarette smoking and low density lipoprotein (**paper 25**). Using the same screening method, we observed that 20.2% of a sample of people living with HIV have a high risk of OSA and this risk was significantly associated with use of antiretroviral therapy regimen containing zidovudine and protease inhibitors in addition to the traditional risk factors of age, male sex, BMI, neck circumference and hypertension (**paper 27**).

### **Obstructive airway Disease**

In **Paper 2**, we gave an overview of bronchial asthma including its pathophysiology, clinical features, investigations and treatment. Exercise is one of the triggers of asthma and this is due to the fact exercise triggers bronchospasm in people with asthma. However, some individuals without a clinical diagnosis of asthma may have exercise induced bronchospasm (EIB) and this has been observed to be a risk factor for the development of asthma later in life. In **paper 26**, we investigated the prevalence of exercise-induced bronchospasm and its associated factors among secondary school students without a prior diagnosis of asthma. We observed that 12.8% of them had EIB at 5 minutes post exercise. EIB was significantly more common in children aged 10 – 13

years and it was significantly associated with allergic (vernal) conjunctivitis and rhinitis. In **paper 1** I highlighted the importance of spirometry, particularly its role in making a diagnosis of asthma. The indications and contraindications for the procedure were also highlighted.

### **Other aspects of Pulmonology**

Flexible fiberoptic bronchoscopy (FOB) is a key diagnostic and therapeutic procedure in pulmonology. In **paper 29** we reported our experience and the clinical utilities of FOB over a

5-year period, highlighting the yield of FOB, complications, and commonly encountered challenges including uptake.

### **General Medicine**

Another area of contribution to knowledge is endocrine and metabolic medicine, cardiovascular medicine and nephrology (**papers 8, 9, 13, 16, 18, and 21**).

In **paper 8**, we determined the metabolic profile of type 2 Diabetes Mellitus (T2DM) patients and assessed gender correlations and found that wide gender differences exist in the metabolic profile of T2DM patients. In **paper 9** we studied insulin resistance (IR) in a T2DM population in a resource-challenged setting and found that IR is a major contributor to the rising global prevalence of hypertension, T2DM, and dyslipidemia.

In **paper 13** we highlighted the prevalence and risk factors of chronic kidney disease (CKD) in a rural community in southwest, Nigeria and found that CKD is on the rise in our communities and that it is strongly associated with age, increased systolic blood pressure, pulse pressure, total cholesterol, triglycerides, high density lipoprotein (HDL) and left ventricular hypertrophy (LVH). In **paper 16** we carried out a community study to

evaluate the blood groups and their associations with conventional cardiovascular risk factors and found that blood group B is a determinant of LVH and that rhesus positive status is associated with delayed electrical conduction through the myocardium. **In paper 18** we sought to evaluate the gender peculiarities of LVH in a rural community and we found that the factors responsible for LVH differs between both sexes and we suggested that there may be a need to develop a gender specific preventive and treatment plans in order to improve both morbidity and mortality. In **paper 21** we determined the prevalence of hypertension and its clinical correlates in a rural community and found that the prevalence of hypertension is rising, even in rural populations, with accompanying LVH, higher corrected Q-T interval (QTc) and florid cardiovascular risk factors.

Dr Odeyemi A.O.



09/05/2025

Name

Signature

Date