

CURRICULUM VITAE

- I. (a) Name (underline Surname) Adenike Olusola Olatunji-Akioye (Nee Idowu)
 (b) Date of Birth: 13 February, 1971
 (c) Department: Veterinary Surgery and Radiology
 (d) Faculty: Veterinary Medicine

- II. (a) First Academic Appointment: Lecturer II (7 January 2008)
 (b) Present Post (with date): Professor (1 October, 2024)
 (c) Date of last Promotion: 1 October 2019
 (d) Date last considered (in cases where promotion was not through):
 Not Applicable

- III. University Education (with dates):

(a)	University of Ibadan, Nigeria	1988-1995
(b)	University of Ibadan, Nigeria	1999-2004
(c)	University of Ibadan, Nigeria	2004-2014

- IV. Academic Qualification (with dates and granting bodies):

(a)	Doctor of Veterinary Medicine (DVM) (Ibadan)	1995
(b)	Master of Veterinary Science (MVSc) (Ibadan)	2004
(c)	Doctor of Philosophy (Ph.D) (Ibadan)	2014

- V. Professional Qualifications and Diplomas (with date):

(a)	Doctor of Veterinary Medicine (DVM)	1995
(b)	Registered Veterinary Surgeon (VCN No. 2688)	1995
(c)	Intermediate Diploma in Ultrasonography	2013
(d)	Fellow College of Veterinary Surgeons of Nigeria (FCVSN)	2017

- VI. Scholarships, Fellowships and Prizes (with date) in respect of Undergraduate and Postgraduate work only:

(a)	MacArthur Foundation Grant (Short Term) 2006 utilized at the Surgical Medical Research Institute, University of Alberta, Edmonton	2007
(b)	Fulbright JSD scholarship to Louisiana State University School of Veterinary Medicine Radiology Service	2011

- VII. Honours, Distinctions and Membership Of Learned Societies:

(a)	Member, Nigerian Veterinary Medical Association (NVMA)
(b)	Member, Veterinary Wound Healing Association (VWHA)
(c)	Member, International Veterinary Radiology Association (IVRA)

- VIII. Details of Teaching/Working Experience:
 - A. Teaching Appointments Held (with dates)

Lecturer II, Department of Veterinary Surgery and Reproduction University of Ibadan
 8 January, 2008- 30 September, 2011

Lecturer I, Department of Veterinary Surgery and Reproduction, University of Ibadan,
 1 October, 2011- 30 September, 2014

Senior Lecturer, Department of Veterinary Surgery and Radiology, University of Ibadan,
 1 October, 2014- 30 September, 2019

Reader, Department of Veterinary Surgery and Radiology, University of Ibadan, 1 October, 2019 till date.

B. Courses Taught at Undergraduate Level (with dates):

In conjunction with other lecturers in the department, I have been involved in teaching the courses listed below:

2008-2015

<u>Course Code</u>	<u>Description</u>	<u>Units</u>
VSR 421	General Surgery	3
VSR 422	Field Practice	6
VSR 513	Veterinary Anaesthesia	2
VSR 514	Small Animal Surgery	2
VSR 525	Veterinary Orthopaedics	2
VSR 526	Surgical Diseases	2
VSR 531	Surgery Clinics	3
VSR 634	Surgery Clinics	6
VSR 617	Operative Surgery	2
VSR 628	Diagnostic Imaging	2
VSR 632	Surgical Exercises	2
VSR 639	Project	6

2015 till date

<u>Subject</u>	<u>Description</u>
Surgery I	General Surgery
Surgery	Orthopaedic Surgery
Surgery VI	Operative Surgery
Surgery VII	Diagnostic Imaging
Surgical Exercises	
Surgery Clinics I	
Surgery Clinics II	
Project	
Student Field Practice	

C. Courses Taught at Postgraduate Level (with dates)

2015- till date

<u>Course Code</u>	<u>Description</u>	<u>Units</u>
VSR 711	Radiographic Technique	3
VSR 712	Advanced Diagnostic Imaging	3
VSR 727	Oncology	3
VSR 730	Project	6

In conjunction with other lecturers in the department, I am involved in evaluating:

<u>Course Code</u>	<u>Description</u>	<u>Units</u>
VSR 731	Seminar	2

D. Project, Dissertation and Thesis Supervised:

- I have supervised ten (10) undergraduate (D.V.M) projects
- I have supervised three (3) Master of Veterinary Surgery (M.V.Sc.) projects
- I am currently supervising two PhD theses.

- E. Clinical Services to the Veterinary Teaching Hospital, University of Ibadan:
 I was involved in rendering clinical services as a Registrar in the Soft Tissue Surgery and Radiology specialties till 2017 when I was appointed a Consultant. I have been rendering services in Veterinary Diagnostic Imaging till date.
- F. Administrative Services at the Departmental, Faculty and University Levels:
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|--|-----------|
| 1. Coordinator, Surgical Exercises | 2007-2008 |
| 2. Faculty Computer Committee Representative | 2008-2014 |
| 3. Departmental Webpage Committee Representative | 2008-2014 |
| 4. Member, Faculty Ceremonial Committee | 2010-2019 |
| 5. Assistant Hall Warden, Queen Idia Hall | 2011-2015 |
| 6. Departmental Postgraduate Seminar Coordinator | 2013-2014 |
| 7. Faculty Representative on Board of UI Ventures | 2014-2015 |
| 8. Member, Faculty 50 th Anniversary Planning Committee | 2014 |
| 9. Sub-Dean (Clinics) | 2015-2017 |
| 10. Faculty Ceremonial Committee | 2015-2019 |
| 11. Co-opted member, RESDEV, UI | 2016-2024 |
| 12. Sub-Dean (Postgraduate) | 2017-2019 |
| 13. Congregation Representative in UI Senate | 2018-2020 |
| 14. Acting Head of Department | 2022-2023 |
| 15. Acting Head of Department | 2025-2026 |

IX. Research:

a. Completed

- (i) The gross and histological effects of ischemia-reperfusion injury on intestinal anastomotic wound healing in dogs (Publications 5 and 6)
- (ii) Radiographic studies on farmed catfish (*Clarias gariepinus*) skeletons (Publication 11).
- (iii) Bio-molecular determinants of ischemia reperfusion injury in canine and caprine intestinal and urogenital tracts and implications of gastrointestinal emergencies on fertility in farm animals (Publications 15, 16, 17 and 34).
- (iv) Radiographic indices of heart size in Nigerian local dogs (Publications 19 and 26).
- (v) Imaging the West African Mud Turtle (*Pelosius castaneus*) (Publications 20, 21 and 25).
- (vi) Thoracic Radiographic Anatomy of the West African Dwarf goat (Publication 32).
- (vii) Radiographic assessment of hip dysplasia in cats (Publication 36).
- (viii) Imaging of Gastrointestinal Diseases (Publication 39).
- (ix) Imaging the Pangolin (Publication 40).

b. In Progress:

1. Imaging in Diagnosis of Gastrointestinal Diseases: This study wishes to further investigate the use of imaging in the diagnosis of gastrointestinal diseases and will compare radiography and ultrasonography with advanced imaging modalities like Computed Tomography and Magnetic Resonance Imaging. This will enable clinicians understand which imaging modality to request based on clinical signs presented. This project started in 2021 and is 50% completed.
2. Imaging the Pangolin: This study attempts to provide radiographic anatomy of the pangolin which is an endangered mammal native to Nigeria to enable characterization of the species found in Nigeria. Also to provide imaging baseline data in cases of radiographic diagnosis. This project started in 2019 and is 90% completed.
3. Ultrasonography of laboratory rats: This study wishes to investigate the normal dimensions and architecture of testes of Wistar strain of rats that are in copious use in research. Several rats will be imaged to determine the morphometry of normal testes in this species. The results will serve as baseline data for any studies that seek to alter normal testicular morphology of these rats by pharmacological agents. Data is currently being collected and will be concluded in the last quarter of 2024.
4. Imaging of Rock and Ball pythons: the plain and contrast radiographic anatomy of these snakes to provide base-line information and aid for clinicians who have to deal with the species. This study started in 2021 and is 50% completed. Challenges with access to normal specimens and handling have slowed progress.
5. Cat diagnostic imaging: the use of radiography, ultrasound, CT and MRI to image the cat and provide baseline data for cats in Nigeria.
6. Echocardiography of pets: the use of echocardiography to diagnose cardiac conditions of pets. The anaesthesia and equipment adaptation to enable easy and cheap echocardiography in the clinic during routine clinic visits.

7. Ultrasonography in ruminant diagnosis: normal ultrasonographic indices of small ruminants. Morphometry of internal organs in normal animals to enable diagnosis when cases are presented. This project began in 2023 and several aspects are ongoing.

8. Radiation safety standards in Veterinary establishments: the regulation of use of radiation in Veterinary clinics is being investigated and catalogued. A state by state analysis started in 2022 and is ongoing.

c. Projects, Dissertation and Thesis:

A. Olatunji-Akioye A.O. (1995) Effect of xylazine anaesthesia on blood biochemistry of West African Dwarf goats. DVM Project, University of Ibadan, 50pp.

B. Olatunji-Akioye A.O. (2004) The Effect of ischaemia-reperfusion injury on intestinal anastomotic wound healing in dogs. M.V.Sc. Project, University of Ibadan, 78pp.

C. Olatunji-Akioye A.O. (2014) Haematological, serum chemical and gonadal changes associated with post-surgical intestinal ischaemia-reperfusion injury in male rats and West African Dwarf bucks. Ph.D Thesis, University of Ibadan, 175pp.

D. Olatunji-Akioye A.O. (2016) Vertebral heart score of Nigerian local dogs. Fellowship Thesis, College of Veterinary Surgeons, Nigeria, 33pp.

X. Publications

- (a) Books Already Published: Nil
- (b) Chapters in Books Already Published:
- 1a. **Olatunji-Akioye, A. O.** (2022). A. Chapter 1: Production and properties of x-rays. In *Veterinary Diagnostic Imaging Textbook for Undergraduates*. First Veritas Press ISBN: 978-978-8508-60-1.
- 1b. **Olatunji-Akioye, A. O.** (2022). Chapter 2: Radiographic qualities and errors. In *Veterinary Diagnostic Imaging Textbook for Undergraduates*. First Veritas Press ISBN: 978-978-8508-60-1.
- 1c. **Olatunji-Akioye, A. O.** (2022). Radiography of the thorax. In *Veterinary Diagnostic Imaging Textbook for Undergraduates*. First Veritas Press ISBN: 978-978-8508-60-1. 157pp. (Nigeria) (Contribution: 100%)
2. Adetunji, A. and **Olatunji-Akioye, A.O.** (2014). Diagnostic techniques in Surgery: In Adeniran Adetunji (Ed) *Essential Veterinary Surgery*. Ibadan University Press. 109-136pp. ISBN: 978-978-8456-74-2 (Nigeria) (Contribution: 50%).
3. **Olatunji-Akioye, A. O.** (2019). Caesarian section in domestic animals: In Leigh, O.O., Mutembei, H.M. and Agbugba, L.C. (Eds) *Clinical and Laboratory Procedures in Theriogenology*. Ibadan Scholarship Books. 193-208pp. ISBN: 978-978-526-602-3. (Nigeria) (Contribution: 100%).
- (c) Articles that have Already Appeared in Refereed Conference Proceedings: Nil
- (d) Patents and Copyrights: Nil
- (e) Articles that have already appeared in Learned Journals:
4. Olaifa, A. K., **Idowu, A. L.**, Adesina, A. A. and Taiwo, V. O. (1998). Effects of sedative dose of xylazine on serum electrolytes in clinically normal West African Dwarf goats. *Tropical Veterinarian* 16 (3 and 4): 161-164. (Nigeria) (Contribution: 35%).
5. **Olatunji-Akioye, A. O.** and Akinrinmade, J. F. (2006). Effect of ischemia-reperfusion on healing in intestinal anastomosis. *Tropical Veterinarian* 24 (3): 62-69. (Nigeria) (Contribution: 70%).
6. Akinrinmade, J. F. and **Olatunji-Akioye, A. O.** (2007). Histopathological effects of ischemia-reperfusion on intestinal anastomotic wound healing in dogs. *International Journal of Morphology* 25 (4): 805-810. (Chile) (Contribution: 50%).
7. **Olatunji-Akioye, A. O.** and Adeyemo O. K. (2009). Liveweight and chest girth correlation in commercial sheep and goat herds in Southwestern Nigeria. *International Journal of Morphology* 27 (1) : 47-52. (Chile) (Contribution: 70%).

8. Olaifa, A.K., **Olatunji-Akioye, A.O.**, Agbaje, L.O. (2009). Distal paravertebral nerve block effects on West African Dwarf (WAD) goat hematology and physiology. *Israel Journal of Veterinary Medicine* 64 (4) : 128-131. (Israel) (Contribution: 40%).
9. **Olatunji-Akioye, A.O.**, Omobowale, O.T., Olaifa, A.K., Abiola, J. O. (2010). Tail amputation in an African lion (*Panthera leo*). *Israel Journal of Veterinary Medicine* 65 (2) : 75-79. (Israel) (Contribution: 40%).
10. **Olatunji-Akioye, A. O.**, Musa, A. M., and Suleiman, A. O. (2010). Ventricular impaction with peritonitis in an adult ostrich. *Tropical Veterinarian* Vol 28 (1): 38-41. (Nigeria) (Contribution: 70%).
11. **Olatunji-Akioye, A. O.**, Adeyemo, O. K., and Komolafe, O. T. (2010). Photographic and radiographic study of osteological abnormalities of the head of adult African catfish (*Clarias gariepinus*). *International Journal of Morphology* 28 (3): 719-722. (Chile) (Contribution: 50%).
12. **Olatunji-Akioye, A. O.**, Olukole, S. G., Musa, A. M., Suleiman, A. O. (2010). A four-legged hen with two cloaca and three caeca. *European Journal of Anatomy* 14 (1): 35-38. (Spain) (Contribution: 40%).
13. Olaifa, A. K., **Olatunji-Akioye, A. O.**, Anyizi, B. N. (2011). Heamatological and biochemical changes in West African Dwarf goats following bloodless (burdizzo) castration. *Sahel Journal of Veterinary Sciences* Vol.10 (2): 91-96. (Nigeria) (Contribution: 40%).
14. Olasemi, G. O., **Olatunji-Akioye, A. O.** (2011). A case report: Jejunal intussusceptions associated with necrotic enteritis in a flock of pullets in Nigeria. *Asian Journal of Poultry Science* 5 (3): 130-134. (United States of America) (Contribution: 50%).
15. **Olatunji-Akioye, A. O.**, Fayemi, O. E. (2013). Effects of intestinal ischaemia-reperfusion injury and splenectomy on haematological and biochemical parameters in rats. *African Journal of Biomedical Research* Vol 16 (3): 173-177. (Nigeria) (Contribution: 80%).
16. **Olatunji-Akioye, A. O.** (2014). Histopathology of intestinal ischaemia-reperfusion injury. *Global Veterinaria* 13 (1): 10-16. (United Arab Emirates)(Contribution: 100%).
17. **Olatunji-Akioye, A. O.**, Fayemi, O. E. (2014). Intestinal ischaemia-reperfusion injury and semen characteristics in West African Dwarf bucks. *Nigerian Journal of Physiological Sciences* Vol 29 (2): 081-083. (Nigeria) (Contribution: 80%).
18. **Olatunji-Akioye, A. O.** and Otuh, P. I. (2015). Multiple spinal curvatures in a captive African Dwarf crocodile *Osteolaemus tetraspis* (COPE, 1861). *Sokoto Journal of Veterinary Sciences* Vol. 13 (3): 56-60. (Nigeria) (Contribution: 80%).

19. **Olatunji-Akioye, A. O.** and Alabi, B. (2015). Preliminary assessment of Vertebral Heart Score of the Nigerian mongrel dog. *Nigerian Veterinary Journal* 36 (4): 1283-1287. (Nigeria) (Contribution: 80%).
20. Olayinka-Adefemi, F., Abdulkareem, Z., **Olatunji-Akioye, A. O.**, Ogbole, I. C., Olukole, S.G. (2016). Case report: Intestinal ulceration in a West African mud turtle (*Pelusios castaneus*). *World's Veterinary Journal* 6 (1): 36-39. (Iran) (Contribution: 20%).
21. **Olatunji-Akioye, A. O.**, Abdulraheem, Z., Olayinka-Adefemi, F., Ogbole, I. C. (2016). Comparative radiographic and gross anatomic features of the gastrointestinal tract of the West African mud turtle, *P. Castaneus*. *Indian Journal of Veterinary Surgery* 37 (1): 6-9. (India) (Contribution: 30%).
22. Ogunro, B. N., Otuh, P. I., **Olatunji-Akioye, A. O.**, Emikpe, B. O., Oyebanji, V., Adejumobi, O. A., Morenikeji, O. (2016). Diagnosis and management of epitheliogenesis imperfecta in a piglet (*Sus scrofa domesticus*) in Ibadan, Nigeria. *Nigerian Veterinary Journal* 37 (3): 187-191. (Nigeria) (Contribution: 20%).
23. **Olatunji-Akioye, A. O.** and Aguma, J. (2016). Case Report: Radiographic diagnosis of splayed leg in a rabbit. *Indian Veterinary Journal of Surgery* 37 (2):141. (India) (Contribution: 80%).
24. **Olatunji-Akioye, A.O.**, Ojiaka, H.N., Samuel, E. (2017). Xylazine-Ketamine anaesthesia; comparative studies in male and female cane rat (*Thryonomys swinderianus*) . *International Journal of Pharmacy and Pharmaceutical Sciences* Vol 9 (1): 52-55. (United States of America) (Contribution: 70%).
25. Olayinka-Adefemi, F. O., Ogbole, I. G., **Olatunji-Akioye, A. O.** (2017). Estimation of gastrointestinal transit time in the West African mud turtle (*Pelusios castaneus*) (Schwinger 1812) using contrast radiography. *West African Journal of Radiology* 24 (2): 147-151. DOI:10.4103/1658-354X.206808 (Nigeria) (Contribution: 30%).
26. **Olatunji-Akioye, A. O.** (2017). Preliminary cardiothoracic ratio measurements of South Western Nigeria local dog. *Tropical Veterinarian* 35 (3): 130-133. (Nigeria) (Contribution: 100%).
27. Olaifa, A. K., Oguntoye, C. O., **Olatunji-Akioye, A. O.** (2017). Surgical management of severe trauma involving group of muscles around the brisket of Dongola breed of horse: A case report. *International Journal of Medical Reviews and Case Reports*.1 (2) 32-35. DOI: 10.5455/IJMRCR.dongola-breed-of-horse-severe-trauma-surgery (Bulgaria) (Contribution: 30%).
28. **Olatunji-Akioye, A. O.**, Afonja, V. and Saka, B. (2018). Ultrasonography of the normal testes of West African Dwarf buck. *Iranian Journal of Veterinary Surgery* 13 (2) 29: 34-39. (Iran) (Contribution: 70%).
29. **Olatunji-Akioye, A. O.**, Omotosho, O.O., Bolaji-Alabi, F.B. (2018). Challenges and prevalence of radiographic diagnosis in dogs at the Veterinary Teaching Hospital, University of Ibadan. *Sokoto Journal of Veterinary Science* 16 (4): 83-86. (Nigeria) (Contribution: 40%).

30. **Olatunji-Akioye, A. O.,** Farayola, E. B. (2019). Assessment of breeding soundness by comparative radiography and ultrasonography of rabbit testes. *International Journal of Animal and Veterinary Sciences* 13 (4): 101-104. (United States of America) (Contribution: 80%).
31. **Olatunji-Akioye, A. O.,** Olawoyin, C. M. and Oyeyemi, M. O. (2019). Incidence and consequence of surgical removal of gastric foreign bodies in West African Dwarf goats in Ibadan. *Animal Research International* 16 (3): 3478 – 3483. (Nigeria) (Contribution: 70%).
32. **Olatunji-Akioye, A. O.,** Bolaji-Alabi, F. B., and Oni, Z. (2020). Thoracic radiographic anatomy as a diagnostic tool for pneumonia in West African Dwarf goats. *Animal Research International* 17(1): 3536 – 3540. (Nigeria) (Contribution: 70%).
33. Olukole S. G., **Olatunji-Akioye, A. O.,** Owolabi O. O., Oke B. O. (2020). Structural modifications of the small intestine of the African giant rat (*Cricetomys gambianus*, Waterhouse): Implications for dietary demands and improved domestication. *Turkish Journal of Agriculture-Food Science and Technology*; 8 (8): 1630-1635. (Turkey) (Contribution: 40%).
34. **Olatunji-Akioye, A. O.** (2020). Histomorphometry of rat testes following intestinal ischaemia-reperfusion injury and splenectomy. *Nigerian Journal of Physiological Sciences* 35: 209 - 212. (Nigeria) (Contribution: 100%).
35. Farayola, E. B., **Olatunji-Akioye, A. O.** (2020). Gross anatomy and histomorphology of testes in New Zealand White rabbit. *Exploratory Animal Medical Research* 10 (1): 80-83. (India) (Contribution: 50%).
36. Oni, Z. O., **Olatunji-Akioye, A. O.,** Oni A. A. (2021). Prevalence of hip dysplasia in domestic shorthair breed of cats in three municipal districts in Accra, Ghana. *Journal of Veterinary Medicine and Animal Health* 13 (3): 121-125. (United States of America) (Contribution: 40%).
37. Bolaji-Alabi, F. B., Adeyemo, A. A., **Olatunji-Akioye, A. O.** (2021). Acute stress and physiological response to elective laparorumenotomy in West African Dwarf goats. *Tropical Veterinarian* 39 (1): 40-51. (Nigeria) (Contribution: 35%).
38. **Olatunji-Akioye, A. O.** and Oladeji, I. O. (2022). Evaluation of diagnostic value of otoscopy for otitis in dogs from selected South Western states. *Animal Research International* 19 (2): 4460 – 4468. (Nigeria) (Contribution: 80%).
39. **Olatunji-Akioye, A. O.,** Akinbobola, B., Oni, Z. O. (2022). Comparison of contrast radiography and ultrasonography in diagnosing gastrointestinal obstruction in rabbits. *Journal of Veterinary Medicine and Animal Health*. 14 (2): 44-51. (United States of America) (Contribution: 70%).
40. Ogunleye, A.T., **Olatunji-Akioye, A. O.,** Emikpe, B.O., Jarikre, T. A., Omotosho, O.O., Morenikeji, O.A. (2022). Contrast radiographic anatomy of

- the gastrointestinal tract of African tree pangolin. *West African Journal of Radiology* 29 (1):8-14. (Nigeria) (Contribution: 40%).
41. Adediran, S. O., Bolaji-Alabi, F. B., **Olatunji-Akioye, A. O.** (2022). Ultrasonographic morphometry of adrenal glands in West African Dwarf goats. *Tropical Veterinarian* 40 (3 & 4): 2-6. (Nigeria) (Contribution: 35%).
 42. Foluso Bolawaye Bolaji-Alabi, Bamidele Nyemike Ogunro, Olumide Odunayo Akinni, Taiwo Kemi Adebisi, Olamilekan Gabriel Banwo, **Adenike Olatunji-Akioye** (2023). Management of a case of venomous snakebite in a captive Thompson's gazelle (*Eudorcas thomsonii*). *SVU International Journal of Veterinary Sciences*, 6 (4): 112-120. (Egypt) (Contribution: 20%).
 43. Oladipupo, A. A., **Olatunji-Akioye, A. O.**, Igado, O. O. (2022). Polymelia in an Isa Brown cockerel: A case report. *Zariya Veterinarian* 10 (1): 74-78. (Nigeria) (Contribution: 40%).
 44. Bolaji-Alabi, F. B., **Olatunji-Akioye, A. O.**, Ogunro, B. N. (2024). Conservative surgical management of unilateral traumatic proptosis in an eight week old boerboel puppy. *SVU International Journal of Veterinary Sciences* 7 (1): 56-61. (Egypt) (Contributions: 40%).
 45. **Olatunji-Akioye, A. O.**, and Onoja, M. J. (2025). Cystic endometrial hyperplasia-pyometra complex complicated with both ehrlichiosis and hepatozoonosis in a Rottweiler bitch. *Sokoto Journal of Veterinary Sciences*, Volume 23:1, 50-53.
 46. Doukoure Moussa, Aina Oluwasanmi Olayinka and **Olatunji-Akioye Adenike O.** (2025) Some Morphometric and Radiological Features of the African Bush Fowl (*Francolinus bicalcaratus*): Insights for Domestication and Conservation Strategies. *Tropical Vet* 43 (1) Pages 24-31.
 47. **Olatunji-Akioye, A. O.**, Adediran, S. O., Bolaji-alabi, F. B., Abdulkadir, M.B. (2025). Novel Application of Endocavitary Ultrasound Probe for Transthoracic Two-dimensional Guided Motion-mode Echocardiography In Rabbit. *Journal of Research in Veterinary Sciences* 07,106.
 - (f) Books, Chapters in Books and Articles Already Accepted for Publication:
Nil
 - (g) Technical Reports and Monographs:
 48. **Olatunji-Akioye, A. O.** (2024). Advancing Veterinary Care: The current role of imaging in diagnosis and treatment. COTOG Lecture Series Life Stock Management Services Limited. Clinicians' Round Table. 18 April, 2024. (Nigeria) (Contribution: 100%).
 49. **Olatunji-Akioye, A. O.** (2024). Basic Diagnostic imaging techniques for small animal practitioners (Radiography and Ultrasonography). 2nd Annual Veterinary Diagnostics Conference, 20-21 June, 2024. (Nigeria) (Contribution: 100%).

50. **Olatunji-Akioye, A. O.** (2024). Interpretation of radiography and ultrasonography in large and small animal. NVMA, Abuja Chapter, 10th August, 2024.

XI. Major Conferences/Workshops Attended in the last 5years (with Papers Read)

1. Veterinary Council of Nigeria Continuing Education Seminar 28 and 29th July, 2021.
Theme: Optimizing extant opportunities in the current global health crises.
2. 4th International conference of the Center for Control and Prevention of Zoonoses: Emerging disease threats: migration and surveillance strategies. IITA, 23rd May, 2022.
3. Veterinary Council of Nigeria Continuing Education Seminar (Virtual) 20 and 21 July 2022. Theme: Beyond boundaries: Fishing in the ocean of multilateral organization.
4. Veterinary Council of Nigeria Continuing Education Seminar (Virtual) 19 October, 2023.

Theme: National prosperity: The veterinarian at the heart of livestock production and food security in Nigeria.
5. 58th Annual Congress of the Nigerian Veterinary Medical Association, Oyo 2022.24-28 October, 2022.

Paper Presented: Bolaji-Alabi, F. B., Adeyemo, A. A., **Olatunji-Akioye, A. O.** Haematological and serum electrolyte changes following elective laparorumenotomy in West African Dwarf goats.

6. SETAC Biennial Conference, Accra, Ghana 8-11 October, 2023.

Paper Presented: **Olatunji-Akioye, A. O.** and Oyepitan C. O. Radiation safety of veterinary clinics in Oyo state.

7. 59th Annual Congress of the NVMA, Eko 2023 30 October -2 November, 2023.

Paper Presented: **Olatunji-Akioye, A. O.** and Oyepitan, C. O. Plain and contrast ultrasound of gastrointestinal tract in cats.

8. Tanzanian Veterinary Conference 13-15 December 2023 at Arusha International Conference Centre, Arusha, Tanzania.

Paper Presented: Effect of needle gauge on diagnostic quality of cystocentesis in West African Dwarf goat.

9. COTOG Lecture Series. Livestock Management Services Limited. Clinician's Round Table. 18th April, 2024.

Paper Presented: Olatunji-Akioye, A. O. Advancing veterinary care: The crucial role of imaging in diagnosis and treatment.

10. Critters Veterinary Centre. 20-21 June, 2024 Modern diagnostic techniques in small animal practice.

Paper Presented: Olatunji-Akioye, A. O. Basic diagnostic imaging techniques for small animal practitioners (Radiography & Ultrasonography).

11. Veterinary Continuing Education Seminar (Virtual) 23 July, 2024.

Topic: The two sides of the border: Exploring the advantages and challenges of reciprocity and cross border collaboration in Veterinary practice.

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

1. **Olatunji-Akioye, A. O.** and Akinrinmade, J. F. (2006). Effect of ischemia-reperfusion on healing in Intestinal anastomosis. *Tropical Veterinarian* 24 (3): 62-69. (Nigeria) (Contribution: 70%).
2. **Olatunji-Akioye, A. O.** and Adeyemo, O. K. (2009). Liveweight and chest girth correlation in commercial sheep and goat herds in Southwestern Nigeria. *International Journal of Morphology* 27(1):47-52. (Chile) (Contribution: 70%).
3. **Olatunji-Akioye, A. O.**, Adeyemo, O. K., and Komolafe, O. T. (2010). Photographic and radiographic study of osteological abnormalities of the head of adult African catfish (*Clarias gariepinus*). *International Journal of Morphology* 28(3): 719-722. (Chile) (Contribution: 50%).
4. **Olatunji-Akioye, A. O.**, Fayemi, O. E. (2013). Effects of intestinal ischaemia-reperfusion injury and splenectomy on haematological and biochemical parameters in rats. *African Journal of Biomedical Research* 16 (3): 173-177. (Nigeria) (Contribution: 80%).
5. **Olatunji-Akioye, A. O.** and Alabi, B. (2015). Preliminary assessment of Vertebral Heart Score of the Nigerian mongrel dog. *Nigerian Veterinary Journal* 36 (4):1283-1287. (Nigeria) (Contribution: 80%).
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RESEARCH FOCUS

The major focus of my research activities has been on the use of simple diagnostic tools in the clinical care of farm animals and endangered species. Diagnosis remains the bedrock upon which clinical care rests and without baseline data of normal images of organs, diagnosis of diseases will be impossible. Thus, I have worked on providing normal images of organs of animals to improve diagnosis and diagnostic imaging.

My work on ischaemia-reperfusion injury helped to clearly identify the significance of intestinal ischaemia-reperfusion injury as a trigger for Multiple Organ Dysfunction Syndrome and how it impacts fertility in animals following an abdominal incident. Against the backdrop of these deficits in animal protein availability compared to the Recommended Daily Allowance by the World Health Organization, farm animal reproduction and how to upscale these animals was my focus. Insights from the ischaemia-reperfusion injury studies and the effects on fertility spurred me to investigate the impact of feeding in hitherto less handled and endangered wildlife like the West African mud turtle and the pangolin. Transit time studies which were contrast radiographic studies helped to determine feeding efficiency in these endangered species.

Smallholders of livestock in rural areas face equipment challenges which can be overcome by providing means of accomplishing simple tasks like weight estimation which I helped to solve by developing a weight estimation guide using easily available tools like a tape measure. My research on the use of plain radiography in diagnosis of osteological defects in the African catfish and the impact on weight gain in farms enable farmers cull defective fish with these abnormalities from their ponds to facilitate optimal weight gain in their stock.

The use of plain and contrast radiography and ultrasonography in the diagnostic work up of clinical cases and in improving breeding of food animals, and the preservation of indigenous wildlife that are classified as endangered species were the main thrust of my research activities. The Nigerian local dog varieties, West African Dwarf (WAD) goat, sheep, rabbits, wild/endangered species native to Nigeria and West Africa such as the West African Mud Turtle, the pangolin, the African Giant Rat, the Greater Cane Rat and indigenous snakes are the animals I have worked with. Hitherto, all these animals had no baseline imaging information. However, over the years, I have worked assiduously to catalogue this data.

My comparative research using plain and contrast radiography and ultrasonography helped to determine breeding soundness and diagnose gastrointestinal emergencies in rabbits and WAD goats.

Significantly, my research on imaging the pangolin is one of the first records of sedation and radiographic anatomy of this important endangered and highly trafficked animal. Advanced imaging like Computed Tomography, Magnetic Resonance Imaging use in clinical care is the future direction of my research.

Adenike O. Olatunji-Akioye

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