



Ramzi A. A. Al-Agele

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PERSONAL PROFILE

I am an enthusiastic and hardworking researcher who particularly likes challenges and who can easily work independently. I graduated from the University of Baghdad/Iraq as a veterinary surgeon in 2000. Then, I have worked at the same college (Department of Anatomy, College of Veterinary Medicine, and University of Diyala) for more than five years, the first two years as a laboratory instructor and as Assistant Lecturer for the rest years. My specific job was teaching anatomy and histology of the domestic animals. In addition, I have funded my own clinic and carried out many different surgical operations.

My expertise consist of surgery, cell culture, and histology, anatomy and molecular biology skills.

EDUCATION

1. PhD in Veterinary Medicine and Science - University of Nottingham, 2014-2017.
2. Master Science degree in Veterinary Medicine - Anatomy and Histology - September 2010.
3. High Diploma degree in Veterinary Medicine - October 2002.
4. Bachelor of Science degree in Veterinary Medicine and Surgery – June 2000.

EMPLOYMENT

2006-2013 Lecturer at the Department of Anatomy, College of Veterinary Medicine
University of Diayala, Iraq.

TEACHING

From 2006 To 2010/ Laboratory Instructor/Department of Anatomy-College
of Veterinary Medecine,University of Diyala, Iraq.

From 2010 To 2012 and till now/Assist. Lecturer/ Department of Anatomy-
College of Veterinary Medecine,University of Diyala, Iraq.

SUPERVISION OF UNDERGRADUATE/ GRADUATE STUDENTS

- 2009 5th Year Project in college of Veterinary Medicine
University of Diyala, Iraq.
- 2010 5th Year Project in college of Veterinary Medicine
University of Diyala, Iraq.
- 2016 3 Third Year Project in Veterinary Medicine and Science –
University of Nottingham.

RESEARCH

- 2016-Present My general research interests are focused on equine hoof deformities, equine lameness and laminitis
- 2008-2013 Anatomy and histology of Avian kidney

KEY SKILLS, TRAINING AND EXPERTISE

Technical

- Molecular Biology: DNA and RNA extraction, reverse transcription, qPCR, gel electrophoresis analysis.
- Western Blot.
- Immunofluorescence and immunohistochemistry
- GraphPad Prism.
- Stem cell culture and differentiation
- Statistical software SPSS.
- Anatomical dissection for small, large animals
- Surgical operation for large and small animals

REFEREES

Assoc. Prof Cyril Rauch Associate Professor in Physical and Mathematical,
Faculty of Medicine & Health Science
School of Veterinary Medicine and Science,
University of Nottingham,
Sutton Bonington,
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Tel: 0115 951 6451
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Assoc. Prof Catrin Rutland Associate Professor of Anatomy and Developmental Genetics
Faculty of Medicine & Health Science
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Tel: 0115 951 6573
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PUBLICATIONS

Ramzi A. Abood and Fadhil S. Mohammed (2012). Morpho-Histological Study on the Development of Kidney and Ureter in Hatching and Adulthood Racing Pigeon *Columba Livia Domestica*. I.J.S.N., VOL. 3(3) 2012: 665-677.

Ramzi A. Abood (2012). Study the Anatomical Description and Histological Observations of the Kidney in Golden Eagles (*Aquila Chrysaetos*). The Iraq J. Vet. Med. No.(2) 36.

Ramzi A. Abood and Yasamen A. Mohammed (2012). Gross Morphological Artitacture and Histological Features of the Pancreas in Wood Pigeon (*Columba Palumbus*). (under publish).

Working on a Physical Biology paper: Physics of nail conditions: why will horses always do better at the “pointe” technique than ballet dancers? Ramzi Al-Agele, Emily Paul, Tom Ryan, Craig Sturrock, John Burford, Michael Drakopoulos, Robert C. Atwood, Nghia T. Vo, Paula Williams, Catrin S. Rutland and, Cyril Rauch

PRESENTATIONS /CONFERENCES

1. Ramzi Al-Agele, Emily Paul, Catrin Rutland and Cyril Rauch. An investigation of causes and outcomes of hoof growth rate and their relation to equine hoof conformation. 8th Meeting of Young Generation of Veterinary Anatomists (YGVA), Poznan, Poland 15th – 17th July 2015.
2. Ramzi Al-Agele. Physical biology of equine hoof growth. Early Careers Presentation Day; Oral Presentation, in Veterinary Medicine and Science; 15th of December 2015.
3. Ramzi Al-Agele, Catrin Rutland and Cyril Rauch. An evaluation of equine cultured keratinocyte differentiation under hypoxic and normoxic conditions and related gene expression. Proceedings of the 31st Conference of the European Association of Veterinary Anatomists Vienna, Austria 27th -30th July 2016.
4. Al-Ajeely RA, Mohammed FS. Morpho-histological study on the development of kidney and ureter in hatching and adulthood racing pigeon (*Columba livia domestica*). Int J Sci Nature. 2012;3:665-77.
5. Al-Agele RA, Mohammed FS. Architecture morphology and histological investigations of pancreas in golden eagles (*Aquila chrysaetos*). Al-Anbar Journal of Veterinary Sciences. 2012;5(2):149-55.
6. Al-Agele R, Paul E, Taylor S, Watson C, Sturrock C, Drakopoulos M, Atwood RC, Rutland CS, Menzies-Gow N, Knowles E, Elliott J. Physics of animal health: on the mechano-biology of hoof growth and form. Journal of the Royal Society Interface. 2019 Jun 26;16(155):20190214.

7. Al-Ajeeli KS. Isolation of Pigeonpox Virus from Severe Infection of Pigeons in Diyala province: Virological and Histopathological Study. *The Iraqi Journal of Veterinary Medicine* (ISSN-P: 1609-5693 ISSN-E: 2410-7409). 2015 Dec 24;39(2):72-8.
8. Al-Agele Ramzi. Study the Anatomical Descriptions and Histological Observations of the Kidney in Golden Eagles (*Aquila Chrysaetos*) *The Iraqi Journal of Veterinary Medicine*.

BOOKS

Ramzi Al-Agele, Emily Paul, Valentina Kubale Dvojmoc, Craig J. Sturrock, Cyril Rauch and Catrin Sian Rutland (2019). *Veterinary Anatomy and Physiology. The Anatomy, Histology and Physiology of the Healthy and Lamé Equine Hoof*, IntechOpen.

ADMINISTRATIVE / ORGANISATIONAL EXPERIENCE

- Member of European Association of Veterinary Anatomy (2016-2018).
- Lecturer at the University of Diyala, College of Veterinary Medicine, Iraq.