



Prof. DR. HAMDY RIZK

Professor of Anatomy and Embryology

Date of Birth: March 6th 1981

CONTACT

Address

530 A Abd El Sabor
Shahin ST., Hadyeq El
Ahram, El Haram,
Giza, Egypt

Phone Number

(+202) 33911763

(+202) 01028865506

E-mail

hamdyrezk81@cu.edu.eg

doc_hamdy6381@yahoo.com

LANGUAGES

Arabic Mother Tongue

English Fluent

WORK EXPERIENCE

Professor - Anatomy and Embryology October 2020- Till present

Faculty of Veterinary Medicine at Cairo University - Egypt

- = Teaching the theoretical part of the courses (general and advanced veterinary anatomy)
- = Teaching postgraduate courses
- = Supervising the teaching of practical courses
- = Develop textbooks for autopsy courses
- = Developing the department's research plan
- = Develop course descriptions
- = Setting theoretical and practical examinations for some student and postgraduate courses
- = Assistance in postgraduate control work (Master Control)

Founder and director of the Hi Vet Pet Clinic

Al-Ahram Gardens - Al-Haram - Giza - Egypt

- = Provide inspection and treatment for pets
- = Providing veterinary vaccinations
- = Performing various surgeries
- = Providing stem cell and plasma therapy to animals

Assistant Professor - Anatomy and Embryology (October 2015 to October 2020)

Faculty of Veterinary Medicine - Cairo University

- = Teaching the theoretical part of the courses (general and advanced veterinary anatomy)



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- = Teaching postgraduate courses
- = Supervising the teaching of practical courses
- = Assistance in postgraduate control work (Master Control)
- = Develop textbooks for autopsy courses

Scientific advisor to Animalia Veterinary Medicine Company

(November 2015 to November 2017)

- = Scientific supervision of the processing of propaganda materials for the company
- = Assist in developing the company's sales plan
- = Training doctors on drugs
- = Holding scientific seminars to familiarize doctors and consultants with medicines

Instructor - Anatomy and Embryology (October 2010 to October 2015)

Faculty of Veterinary Medicine - Cairo University

- = Teaching the theoretical part of the courses (general veterinary anatomy)
- = Helping in teaching postgraduate courses
- = Teaching practical courses for anatomy and embryology
- = Help with students' control work (fourth level control)
- = Assist in developing textbooks for autopsy courses

Assistant Lecturer - Anatomy and Embryology (October 2006 to October 2010)

Faculty of Veterinary Medicine - Cairo University

- = Teaching the practical part of the courses (general veterinary anatomy)
- = Helping to teach the practical part of postgraduate courses
- = Assist in developing practical books for autopsy courses



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Teaching Assistant - Anatomy and Embryology (January 2004 to October 2006)

Faculty of Veterinary Medicine - Cairo University

= Teaching the practical part of the courses (general veterinary anatomy)

= Helping to teach the practical part of postgraduate courses

= Assist in developing practical books for autopsy courses

EDUCATION

Doctor of Philosophy in Veterinary Medical Sciences
(Anatomy and Embryology)

Cairo University - Faculty of Veterinary Medicine

- Department of Anatomy and Embryology entitled "*Some of the museum anatomical equipment with special reference to the respiratory system in some domesticated animals*" Egypt
2015

Master of Veterinary Medical Sciences (Anatomy and Embryology)

Cairo University - Faculty of Veterinary Medicine

- Department of Anatomy and Embryology entitled "*Specific Anatomical Studies on the Distribution of Blood Vessels and Bile Ducts in Pig Liver*" Egypt 2006

PhD courses in anatomy and embryology

Faculty of Veterinary Medicine, Cairo University, Egypt
(2009)

Pre-master courses in anatomy and embryology

Faculty of Veterinary Medicine, Cairo University, Egypt
2005



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Bachelor of Science in Veterinary Medicine - Degree: Very good- Faculty of Veterinary Medicine, Cairo University, May 2003

EXTRA EDUCATIONAL COURSES

2020

- = Management of the research team, University of Cairo
- = International publication of scientific research, Cairo University
- = Organizing scientific conferences, Cairo University
- = Effective teaching at Cairo University

2019

- = Competitive Research Projects, Cairo University
- = Effective presentation of Cairo University
- = Modern trends in teaching, Cairo University
- = The credit hours' system, Cairo University

2018

- = University Administration, Cairo University
- = Systems and patterns of student evaluation, Cairo University
- = Creative thinking, Cairo University
- = Financial and legal aspects of university work, Cairo University



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2017

- = Knowledge Bank, Cairo University
- = Positive thinking, Cairo University
- = critical thinking, Cairo University
- = Ethics of scientific research, Cairo University

2016

- = Use of technology in teaching Cairo University
- = Information technology in university work, Cairo University
- = Work pressure at Cairo University
- = The basics of scientific experiments, Cairo University

2015

- = Strategic Planning, Cairo University

2014

- = Scientific Research Ethics, Cairo University

WORKSHOPS AND CONFERENCES

2007

- = The 31st Annual Scientific Conference of the Egyptian Society for Anatomy

2008

- = The 32nd Annual Scientific Conference of the Egyptian Society for Anatomy



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English Fluent

2012

= The Seventh International Conference of the Faculty of Veterinary Medicine - Suez Canal University

2014

= The Eighth International Conference of the Faculty of Veterinary Medicine - Suez Canal University

2105

= The Fifth International Conference on Cell and Stem Cell Research - Chicago - America

2016

= The Sixth World Veterinary Summit - Georgia - America

2017

= The third international veterinary meeting for animal health - Miami - America

2019

= The Fifth International Conference of the Arab Society of Stem Cells and Molecular Biology - Giza – Egypt

2021

= The Seventh International Scientific Conference of Arab Society of Stem Cells & Molecular Biology. Animal Biotechnology and Veterinary Medicine. DAR ALHIKMA-Egypt.

Interpersonal skills and competencies

= Possess the skill of leadership, creative thinking, cooperation and goal setting



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LANGUAGES

Arabic Mother Tongue

English Fluent

= Fast learning

= Oral and written communication skills

= Working in a team and being able to interact with others

= Excellent organizational skills, time and resource management

Scientific publishing

= Rezk, H. M. & El Bably, S. H. (2012): **Gross Anatomical Studies on the Arterial Supply of the Manus Region in the Rabbit. SCVMJ, XVII (2):299-308.**

= El Ayat, M., Khalil, K.& Rezk, H. (2013): **Gross Anatomical Studies on The Vasculosa Artreosa Testis on Some Farm Animals. Benha journal of veterinary medicine 26 (2):13-20.**

= Rezk, H. M. & El Bably, S. H. (2014): **Gross Anatomical Studies on the Celiac Artery on The Domestic Fowl (Gallus gallus domesticus). J. Vet. Anat. Vol 7 No 1, (2014) 127 – 141.**

= El Bably, S. H., Rezk, H. M., Tolba, A. R. (2014): **Gross Anatomical Studies on the Air Sacs (Sacci Pneumatici) of Golden Pekin Duck (Anas Platyrhyancha). HARYNA Vet. Anat. Vol 53 No 1, (2014) 13 – 17.**

= Rezk, H. M. and Shaker N. A. (2014): **Morphometric Overview on The Vascularization in The Egyptian Domestic Cat (Felis catus) Hind Paw. J. Vet. Anat. Vol 7 No 2, (2014) 1 – 12.**

= El-Bably, S. H. and Rezk, H. M. (2014): **The arterial vasculature of the wing in domestic fowl (Gallus gallus domesticus). Veterinary Medical Journal –Giza (VMJG), Vol. 60 (2), 105-123, December 2014.**

= H.M. Rezk (2015): **Anatomical Investigation on The Axial Skeleton of The Cattle Egret, Bubulcus Ibis. Assiut Vet. Med. J. Vol. 61 No. 145 April 2015.**

= H.M. Rezk (2015): **Anatomical investigation on the appendicular skeleton of the cattle egret (Bubulcus ibis). JECA J. Vol. 14. 1. .**



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- = Fawzy A Elnad, Eldessouky Shet, Ashour K Khalif, Hamdy Rizk. Training of Upper Respiratory Endoscopy in the Horse Using Preserved Head and Neck. ALTEX Online First Published July 27, 2015.
- = Elnady, F., Rezk, H. M. and, Yara S.Abou Elela (2015): Development of a computer program demonstrating the surface anatomy of the equine' thoracic limb. Veterinary Medical Journal –Giza (VMJG), Vol. 60 (2), 51 -60, December 2014. <http://www.vetmedjcu.com>.
- = Fawzy A Elnad, Eldessouky Shet, Ashour K Khalif, Hamdy Rizk. Training of Upper Respiratory Endoscopy in the Horse Using Preserved Head and Neck. ALTEX Online First Published July 27, 2015.
- = Shaymaa Hussein, Hamdy Rezk (2016): Macro and Microscopic Characteristics of the Gastrointestinal Tract of The Cattle Egret (Bubulcus Ibis). International Journal of Anatomy and Research, Int. J. Anat. Res. 2016, Vol 4 (2): 2162-74. ISSN 2321-4287.
- = Nora A. Shaker and Hamdy M. Rezk (2017): Anatomical Study on the Gills with its respiratory circulation In Fish (Glaucostegus Typus). AJVS 2017, Vol 52 (1) .
- = Hamdy M. Rezk and Nora A. Shaker: Parotid and Mandibular Salivary Glands Segmentation of the One Humped Dromedary Camel (Camelus dromedarius). Int. J. Adv. Res. Biol. Sci. (2017). 4(11): 32-41. DOI: <http://dx.doi.org/10.22192/ijarbs.2017.04.11.005>.
- = Rizk HM, Khalifa EF, and Abdelgalil AI: Comparative morphometric overview between the two milk systems of the mammary gland of one humped camel (Camelus dromedarius). Research Journal of Pharmaceutical, Biological and Chemical Sciences. May – June 2017, 8(3), Page 2417-25.
- = Rizk H., Hussein S., Tohamy ADEL. Ameliorative Morphological and Functional Effect of Metformin on Cyclophosphamide Induced Hepatotoxicity in Rat. Der Pharmacia Lettre, 2020, 12 (3): 1-14.



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- = Hamdy RIZK, Nora SHAKER, Yahya ELEMMAWY. Cat Brain Neuroanatomy using Cryosectioning, Magnetic Resonance and Computed Tomography Imaging Modalities. International Journal of Veterinary Science, 2020, Vol.9 No.3 pp.385-390.
- = Saad El-Shater, Karim Khalil, Hamdy Rizk, Hisham Abdelrahman, Elsayed Khalifa. Thermal Manipulation on Japanese quail embryo; An Embryological Study. Veterinary Medical Journal (Giza), 2020, 66:115-123
- = Hamdy Rizk, Tohamy A.F., Walaa Mohamed Sayed, Abdelbary Prince. Ameliorative effects of bone marrow derived pancreatic progenitor cells on hyperglycemia and oxidative stress in diabetic rats. Acta Histochemica 120 (2018) 414-419. <https://doi.org/10.1016/j.acthis.2018.05.001>.
- = T. A.F, S. Hussein, I.M. Moussa, H. Rizk, S. Daghash, R.A. Alsubki, A.S. Mubarak, H.D. Alshammari, K.S. Al-Maary, H.A. Hemeg, Lucrative antioxidant effect of Metformin against Cyclophosphamide induced nephrotoxicity, Saudi Journal of Biological Sciences (2021), Doi: <https://doi.org/10.1016/j.sjbs.2021.03.039>
- = Saad N. El-Shater, Hamdy Rizk, Hisham A. Abdelrahman, Mohamed A. Awad, Elsayed F. Khalifa, Karim M. Khalil. Embryonic thermal manipulation of Japanese quail: effects on embryonic development, hatchability, and post-hatch performance. Tropical Animal Health and Production (2021) 53:263 <https://doi.org/10.1007/s11250-021-02726-y>
- = Fatma Al-Mulhim, Amany Alqosaibi, Afnan Al-Muhnn, Khalid Farid, Shaimaa Abdel-Ghany, Hamdy Rizk, Abdel-Bary Prince, Aduago Isichei, Hussein Sabit. CRISPR/Cas9-mediated activation of CDH1 suppresses metastasis of breast cancer in rats. Electronic Journal of Biotechnology (2021). <https://doi.org/10.1016/j.ejbt.2021.06.002>.



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Awards and Honors:

2016

= University award for international scientific publication entitled "Training in endoscopy of the upper respiratory system on a horse using a preserved head and neck"

2019

= University Prize for International Scientific Publishing entitled "The ameliorative effects of pancreatic progenitor cells extracted from bone marrow on hyperglycemia and oxidative stress in diabetic rats."

Scientific and academic posts:

- Participation in supervising the dissertation of the student Dr. / Reem Rashad Tahoun, anatomy assistant in the department in veterinary sciences and registered for a master's degree at the Faculty of Veterinary Medicine at Cairo University entitled (Some anatomical studies on the skeleton of poultry) - the grant was granted in 2010
- Participation in supervising the thesis of the student Dr. / Karim Mohamed Hassan Khalil in veterinary sciences and registered for a master's degree at the Faculty of Veterinary Medicine at Cairo University entitled (Comparative anatomical studies on the vascular structure and blood vessels of the testis in some farm animals) - The grant was granted in 2012
- Participation in supervising the thesis of the student Dr. / Yara Sayed Abu Al-Ela, anatomy assistant in the department in veterinary sciences and registered for a master's degree at the Faculty of Veterinary Medicine at Cairo University entitled (Preparing a digital program to teach the front list in horses) - The grants were granted in 2014.
- Participation in supervising the thesis of Dr. Reem Rashad Tahoun, Assistant Lecturer of Anatomy in the Department



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- registered for a PhD in the of Veterinary Sciences and
- Faculty of Veterinary Medicine at Cairo University entitled (Anatomical study on the respiratory system in Rumi with a special reference to the period of hematoma) - The grant was granted in 2016
- Participation in supervising the thesis of the student, Dr. / Saad Nazih Mohamed Abdel Fattah in veterinary sciences and registered for a master's degree at the Faculty of Veterinary Medicine at Cairo University entitled (The effect of thermal changes on the quail embryo during embryonic development and after hatching) - the grant was granted in 2016.
- Supervising the dissertation of Dr. Maryam Fayez, Assistant Lecturer of Anatomy in the Department of Veterinary Sciences and registered for a PhD at the Faculty of Veterinary Medicine, Cairo University, entitled (The possible structural and functional improvement of stem cells and plasma therapy on the spinal cord of cats with multiple sclerosis) - the thesis is under study.
- Participation in research seminars for postgraduate students in anatomy and embryology - Faculty of Veterinary Medicine - Cairo University.

Scientific activities in community service

- Member of the General Syndicate of Veterinarians.
- Member of the African Association of Veterinary Candidates.
- Member of the Arab Candidates Association.
- Member of the Egyptian Society for Anatomical Sciences.
- Founding member of the Egyptian Society for Life Sciences on Earth.
- Member of the Arab Society for Stem Cells and Molecular Biology.

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Organizational skills and volunteer

work:

- Participation in organizing the Fifth International Conference of the Arab Society of Stem Cells and Molecular Biology - Giza - Egypt
- Conducting a scientific course to develop the skills of high school students - Guinness International School
- Conducting a scientific course on stem cells - the Armed Forces Veterinary Hospital

Technical and cognitive skills:

- Preserving anatomical samples and making models
- Managing research teams
- DNA isolation
- Polymerase chain reaction technology
- Research related to anatomy and embryology
- Preparation of platelet-rich plasma
- Isolation of stem cells

Computer skills:

- WINDOS: Very Good
- MS Office Tools: Very Good
- Internet Browser: Professional
- Adobe Photoshop: Good
- Blackboard International Education Platform: Very good