

Suez Canal University

Faculty of Veterinary Medicine

Department of Surgery, Anesthesiology & Radiology

Curriculum Vitae

Personal Data

Name	Mahmoud Fathy Ahmed Aly
Present Professional Position	Lecturer of Veterinary Surgery, Anesthesiology and Radiology, Faculty of Veterinary Medicine, Suez Canal University, Ismailia, Egypt.
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E-mail	ma_vet80@yahoo.com mahmoud_ali@vet.suez.edu.eg
Nationality	Egyptian.
Date of birth	05-08-1983
Place of birth	Ismailia - Egypt.
Work address	Department of Surgery, Anesthesiology and Radiology, Faculty of Veterinary Medicine, Suez Canal University, Ismailia, Egypt. 41522
Qualifications	1) BVSc. June 2005 with degree " <i>Very good</i> " Suez Canal University, Egypt. 2) MVSc. (<i>Management of corneal ulcer in dogs "an experimental study"</i>) Sept 2011. Faculty of Veterinary Medicine, Suez Canal University, Egypt. 3) PhD (<i>Conversion of mice embryonic fibroblast and bone marrow mesenchymal stem cells into functional osteoblast by defined actors</i>) June 2019. College of Veterinary Medicine, Yangzhou University, China.
Language Ability	<u>Arabic:</u> Mother tongue. <u>English:</u> 1- ILETS score (7) 23 November 2019

	Listening (7.5), Reading (8), Speaking (7) and Writing (6) 2- IBT score (92) equal to PBT (580) 11/7/2012. <u>Chinese</u>: HSK3 score (286/300) 2014-05-10. HSK4 score (238/300) 2014-06-14.
ICDL	Passed International Computer Driving License, 10-08-2008.
Field of specialization	Veterinary Surgery, Anesthesiology and Radiology.
Skills and expertise	Cell isolation and culture, Stem Cell Differentiation, PCR, Western blot analysis, immunofluorescence staining, flow cytometry, transduction, cell reprogramming, Veterinary Orthopedic Surgery, Experimental surgery.
Posts	⇒ <u>Teaching Assistant of Surgery, Anesthesiology and Radiology</u>: Department of Surgery, Anesthesiology and Radiology, Faculty of Veterinary Medicine, Suez Canal University, from 28-03- 2007 to 20-09- 2011. ⇒ <u>Assistant Lecturer of Surgery, Anesthesiology and Radiology</u>: Department of Surgery, Anesthesiology and Radiology, Faculty of Veterinary Medicine, Suez Canal University, from 20-09-2011 till 7-11-2019 ⇒ <u>Lecturer of Surgery, Anesthesiology and Radiology</u>: Department of Surgery, Anesthesiology and Radiology, Faculty of Veterinary Medicine, Suez Canal University, from 07-11-2019 till now
Experiences in the field of specialization	☞ Teaching practical classes (Anesthesiology, Radiology, and general surgery) for the fourth year students at the faculty of Veterinary Medicine, Suez. Canal University (from March 2007 until now). ☞ Teaching practical classes (Regional Surgery and Surgery of the Limbs) for the final year students at the faculty of Veterinary Medicine, Suez Canal University (from March 2007 until now). ☞ Sharing in the annual summer field training of the fourth and fifth year students, Faculty of Veterinary Medicine,

	Suez Canal University in Ismailia, Port Said, Suez and Sinai from March 2007 until now. ✎ Sharing in the animal care of the educating farm, Faculty of Veterinary Medicine, Suez Canal University from March 2007 until now. ✎ Sharing in the animal care of the educating hospital, Faculty of Veterinary Medicine, Suez Canal University from March 2007 until now. ✎ Practice in the animal hospital, College of Veterinary Medicine, Yangzhou University from sept. 2014 until June 2015.
Conferences and workshops	✎ Sharing in Pfizer 3rd students Competition in Menoufia University, Faculty of Veterinary Medicine, on April 13, 2005. ✎ Attendance of conference "The role of diagnostic imaging in veterinary medical education" in Suez Canal University, Faculty of Veterinary Medicine, on October 22 2005. ✎ Sharing in the first young researcher's conference in Suez Canal University, from 6 -7 March 2013. ✎ Attendance of all workshops and lectures held in the Key Laboratory of animal breeding, reproduction and molecular design for Jiangsu Province, College of Animal science and Technology, Yangzhou University from Sept. 2014 till Sept. 2018. ✎ Sharing in the first postgraduate conference in the faculty of veterinary medicine, Suez Canal University, on October 30th 2018. Won the first prize for best article from PhD dissertation. ✎ Sharing in the annual scientific conference of Surgery, Anesthesiology & Radiology department, in the faculty of veterinary medicine, Suez Canal University, on Decem-

	ber 3rd 2018. ☞ Sharing in the second postgraduate conference in the faculty of veterinary medicine, Suez Canal University, on February 23rd 2020. Won the second position for PhD's thesis. ☞ The Egyptian representative in the international alumni association of Yangzhou University, China from 2020 till now.
Publications	1-Evaluation of using two anticollagenolytics (Acetylcysteine 3% & autologus blood serum) in treatment of corneal ulcer in dogs. Awad, M.A.; Ahmed, I.H; Shekidef, M.H; Ibrahim, A. and Ahmed, M.F. (Dec. 2011).Suez Canal University Veterinary Medical Journal. 16 (1). 2-Evaluation of human amniotic membrane transplantation and 360-degree bulbar conjunctival flap in treatment of corneal ulcer in dogs. Mahmoud F. Ahmed, Mohammed H. Shekidef, Waleed A. Ghobashy, Abdelazim, M. Ibrahim, Ibrahim H. Ahmed and Mohammad A. Awad. (2012) Journal of Egyptian ophthalmological society. 105 (1). 3-Basing RNA-seq explored the regulatory mechanism of the carbohydrate metabolism pathways during chicken male germ cell differentiation. Chao Lian, Qisheng Zuo, Dong Li, Lei Zhang, Mahmoud F. Ahmed, Tianrong Xiao, Beibei Tang, Yingjie Wang, Kai Jin, Yani Zhang, Bichun Li (2015) In Vitro Cellular & Developmental Biology - Animal. 51: 7. 4-Regulatory mechanism of protein metabolic pathway during the differentiation process of chicken male germ cell. Dong Li, Qisheng Zuo, Chao Lian, Lei Zhang, Qingqing Shi, Zhentao Zhang, Yingjie Wang, Mahmoud F. Ahmed, Beibei Tang, Tianrong Xiao, Yani Zhang, Bichun Li (2015) In Vitro Cellular & Develop-

mental Biology - Animal. 51: 7.

5- Regulation of hedgehog signaling in chicken embryonic stem cells differentiation into male germ cells (gallus). Hao Chen, Qisheng Zuo, Yinjie Wang, **Mahmoud F. Ahmed**, Kai Jin, Jiuzhou Song, Yani Zhang, Bichun Li (2017) Journal of Cellular Biochemistry. 118:6.

6- Regulation of crucial lnc RNA s in differentiation of chicken embryonic stem cells to spermatogonia stem cells. D. Li, Y. Ji, F. Wang, Y. Wang, M. Wang, C. Zhang, W. Zhang, Z. Lu, C. Sun, **M. F. Ahmed**, N. He, K. Jin, S. Cheng, Y. Wang, Y. He, J. Song, Y. Zhang, and B. Li (2017) Animal genetics. 48:2.

7- Hsd3b2 associated in modulating steroid hormone synthesis pathway regulates the differentiation of chicken embryonic stem cells into spermatogonial stem cells. Chen Zhang, Man Wang, Nana He, **Mahmoud F. Ahmed**, Yilin Wang, Ruifeng Zhao, Xinjian Yu, Jing Jin, Jiuzhou Song, Qisheng Zuo, Yani Zhang, Bichun Li (2018) Journal of Cellular Biochemistry. 119:1.

8-Regulation of fibroblast growth factor 8 (FGF8) in chicken embryonic stem cells differentiation into spermatogonial stem cells. Man Wang, Chen Zhang, Chuanli Huang, Shaoze Cheng, Nana He, Yilin Wang, **Mahmoud F. Ahmed**, Ruifeng Zhao, Jing Jin, Qisheng Zuo, Yani Zhang, Bichun Li (2018) Journal of Cellular Biochemistry. 119:2.

9- The establishment of clonally derived chicken embryonic fibroblast cell line (CSC) with high transfection efficiency and ability as a feeder cell. Ruifeng Zhao, Jing Jin, Xinyu Sun, Kai Jin, Man Wang, **Mahmoud F. Ahmed**, Qisheng Zuo, Yani Zhang, Zhenhua Zhao, Guohong Chen, and Bichun Li (2018) Journal of Cellular Biochemistry. 119:11.

10- NICD-mediated notch transduction regulates the different fate of chicken primordial germ cells

	and spermatogonial stem cells. Qisheng Zuo, Chen Zhang, Kai Jin, Jin Jing, Changhua Sun, Mahmoud F. Ahmed, Jiuzhou Song, Yani Zhang, Guohong Chen, and Bichun Li (2018) Cell & Bioscience 8:40. 11- Direct conversion of mouse embryonic fibroblast to osteoblast cells using hLMP-3 with Yamanaka factors. Mahmoud F. Ahmed, Ahmed Kamel El-Sayed, Hao Chen, Ruifeng Zhao, Kai Jin, Qisheng Zuo, Yani Zhang, and Bichun Li (2019) International Journal of Biochemistry & Cell Biology 106: 84:95. 12- Comparison between curcumin and All-trans retinoic acid in osteogenic differentiation of mice bone marrow mesenchymal stem cell. Mahmoud F. Ahmed, Ahmed Kamel El-sayed, Hao Chen, Ruifeng Zhao, Mohamed S. Yusuf , Qisheng Zuo, Yani Zhang, and Bichun Li (2019) Experimental and therapeutic medicine. 17(5): 4154–4166. 13- Identification and Generation of Transgenic Mice and Goats with Capra hircus SCD1 Gene. Kai Jin, Chen Chen, Xinyu Sun, Caiye Zhu, Mahmoud F. Ahmed, Qisheng Zuo, Jiuzhou Song and Bichun Li (2021) Pakistan J. Zool., pp 1-9. 14- Effect of valporic acid, 5-azacytidine and ascorbic acid on generation of induced pluripotent stem cells using mRNAs of Yamanaka factors. Mahmoud F. Ahmed, Ahmed Kamel El-Sayed, and Bichun Li (under publication).
Reviewer	Animal and Veterinary Sciences(AVS)