



CURRICULUM VITAE



Ayman A. Mostafa
Department of Surgery, Radiology, and Anesthesiology
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Place of Birth: Giza City, Egypt **Date of Birth:** 05/29/1972

Colleges and Universities Attended (in a chronological order)

University	Country	From (Month/Year)	To (Month/Year)	Obtained Degree	Graduation Date (Month/Year)
Cairo Univ.	Egypt	Sept. 1991	Sept. 1995	B.V.Sc	Nov. 1995
Cairo Univ.	Egypt	April 1997	Sept. 1999	M.V.Sc	Sept. 1999
Univ. of Illinois	USA	Jan. 2004	May 2008	PhD	May 2008

Employment History

Employer	Position	Inclusive Dates
Cairo Univ., Faculty of Vet. Med. (Egypt)	Demonstrator	April 1997 - Sept. 1999
Cairo Univ., Faculty of Vet. Med. (Egypt)	Assistant Lecturer	Sept. 1999 - Jan. 2004
Univ. of Illinois, College of Ve.t Med. (USA)	PhD Student	Jan. 2004 - May 2008
Cairo Univ., Faculty of Vet. Med. (Egypt)	Lecturer	July 2008 - Oct. 2013
University of Vet. Med., Hanover (Germany)	Postdoctoral Researcher	June - Nov. 2010
University of Florida, College of Vet. Med. (USA)	Diagnostic Imaging Resident	Sept. 2013 - Aug. 2014
University of Vet. Med., Hanover (Germany)	Postdoctoral Researcher	Aug. - Nov. 2015

Western Univ. of Health Sciences, California (USA) Visiting Researcher	July - December 2016
Cairo Univ., Faculty of Vet. Med. (Egypt)	Assistant Professor July 2013 - July 2018
Cairo Univ., Faculty of Vet. Med. (Egypt)	Full Professor July 2018 - Present

Abstracts

- **Mostafa AA**, Griffon DJ, Thomas MW, Constable P: Proximodistal alignment of the canine patella: Radiographic evaluation and association with medial and lateral patellar luxation in dogs. Phi Zeta Mu day, Urbana-Champaign, IL, USA, April 2008.
- Imbs C, Griffon D, Thomas J, **Mostafa AA**, Schaefer D, Pijanowski G, Hsiao-Wecksler E. Non invasive determination of body segment parameters in Labrador. Phi Zeta Mu day, Urbana-Champaign, IL, USA, April 2008.
- **Mostafa AA**, Griffon DJ, Thomas MW, Constable P: Proximodistal alignment of the canine patella: Radiographic evaluation and association with medial and lateral patella luxation in dogs. Proceedings of the ECVS meeting, Basel, Switzerland, July 10-12, 2008; pp465-469.
- Ragetly C, Griffon D, Thomas J, **Mostafa AA**, Schaefer D, Pijanowski G, Hsiao-Wecksler E. Non invasive determination of body segment parameters in Labrador Retrievers with and without cranial cruciate ligament disease. Proceedings of the European College of Veterinary Surgeons Meeting, Basel, Switzerland, July 10-12, 2008.
- Ragetly C, Griffon DJ, Thomas JE, **Mostafa AA**, Schaeffer DJ, Pijanowski GJ, Hsiao-Wecksler E: Noninvasive determination of body segment parameters in Labrador Retrievers with and without cranial cruciate disease. Proceedings of the North American Congress on Biomechanics, Ann Harbor, Michigan, August 5-9, 2008.
- Ragetly C, Griffon DJ, Thomas JE, **Mostafa AA**, Hsiao-Wecksler E: Inverse dynamics analysis of the stifle joint in Labrador Retrievers with and without cranial cruciate disease. Proceedings of the North American Congress on Biomechanics, Ann Harbor, Michigan, August 5-9, 2008.
- Ragetly C, Griffon D, Thomas J, **Mostafa AA**, Schaefer D, Pijanowski G, Hsiao-Wecksler E. Non-invasive determination of body segment parameters in Labrador Retrievers with and without cranial cruciate ligament disease. Proceedings of the American College of Veterinary Surgeons Meeting, San Diego , USA , October 22-24, 2008. Vet Surg 37(6):E16, 2008.
- Ragetly C, Griffon D, **Mostafa AA**, Thomas J, DiBerardino L, Hsiao-Wecksler E: Inverse dynamics analysis of the hind limbs in dogs with cranial cruciate ligament disease. Phi Zeta Mu day, Urbana-Champaign, IL, USA, April 2009.
- Ragetly C, Griffon DJ, Thomas JE, **Mostafa AA**, Hsiao-Wecksler E: Inverse dynamics analysis of the stifle joint in Labrador Retrievers with and without cranial cruciate disease. Proceedings of the ECVS 2009 and ACVS 2009.
- **Mostafa AA**, Griffon DJ, Thomas MW, Constable PD. Radiographic evaluation of femoral torsion and correlation with computed tomographic techniques in Labrador Retrievers with and without cranial cruciate ligament disease. Proceedings of the 16th International Veterinary Radiology Association (IVRA) meeting, Bursa, Turkey, August 26-31, 2012.
- **Mostafa AA**, Nolte I, Wefstaedt P. Prevalence and Quantitative Radiographic Assessment of Medial Coronoid Disease in Large Breed Dogs. Proceedings of the 34th Annual World Veterinary Association Congress, May 5 to 8, 2018, in Barcelona, Spain.
- **Mostafa AA**, Nolte I, Wefstaedt P. Radiographic Quantification of Elbow Incongruence in Labrador and Golden Retrievers with Medial Coronoid Disease. The 34th Annual World Veterinary Association Congress, May 5 to 8, 2018, in Barcelona, Spain.

Teaching Experience

- Professional development teaching activities at the Department of Veterinary Surgery, Cairo University, Egypt between 1997 and 2018.
- Professional development teaching activities at the Department of Veterinary Clinical Science, University of Illinois, USA between 2004 and 2008.
- Professional development teaching activities at El-Abasya Veterinary Hospital in Cairo, and the Department of Veterinary Surgery, Cairo University, Egypt in 2009-2012.
- Professional development teaching activities at the College of Veterinary Medicine, Western University of Health Sciences, USA, September 2016.

Research and Clinical Experience

Research and clinical experience include over 17 years of Veterinary Practice (1997-2014) at Cairo University, University of Illinois (USA), University of Hanover (Germany), University of Florida (USA) and Western University of Health Science where I gained knowledge in Surgical Anatomy, Surgery, Diagnostic Imaging and research. The 4-years PhD program started in February 2004 and ended in May 2008, advanced skills and knowledge in Surgery, Radiology and further developed the human skills required to become a competent Veterinary Surgeon.

My PhD program at University of Illinois had been a very interesting and valuable research and clinical experience. My primary research interest had been in the area of Small Animal Orthopedic Surgery and Educational Technology. I have been working on Radiographic, 3D-Computed Tomographic, and DEXA scan data analyses to evaluate the musculoskeletal conformation of the pelvic limbs and its association to stifle joint diseases (particularly, cranial cruciate ligament disease, patellar luxation and patella alta) in large breed dogs, and assisting in some surgical orthopaedic surgical procedures. Additionally, I'd been working on Educational Technology in Small Animal Orthopedics, creating teaching portfolios for both professional students and veterinarians.

My postdoctoral fellowship at the University of Hanover in Germany added further experience in Small Animal Surgery and research work from different perspective. My long-term work at the 5 Universities has provided the opportunity to strengthen my teaching experience, my knowledge, and technical skills in these areas, developing solid foundation on which to build future training.

Honors and Awards

- Phi Zeta Mu Chapter Clinical Science Presentation and Research Award 2008, 3rd place, University of Illinois, USA.
- International publication awards from 2009 to 2020, Cairo University, Egypt.

Publications, Textbooks, and Other Research Work

Master Thesis

Mostafa AA. Studies on some surgical affections causing lameness in dogs. *M.V.Sc. Thesis*, Faculty of Veterinary Medicine, Cairo University, 1999.

Master Thesis Publications

- Abdel-Hamid MA, Farag KA, **Mostafa AA**, et al. Clinical and radiographic studies on some surgical affections causing lameness in dogs. *J Egyptian Vet Med Assoc* 2000;60(7):52-60.
- El-Zomor ST, Farag KA, **Mostafa AA**, et al. Clinical and radiographic studies on some neurological conditions causing lameness in dogs. *J Egyptian Vet Med Assoc* 2001;61(6C):163-172.

PhD Thesis

Mostafa AA. Musculoskeletal conformation of the normal and diseased canine stifles with emphasis on patellar luxation and cranial cruciate ligament deficiency. *PhD Thesis*, Department of Veterinary Clinical Science, University of Illinois at Urbana-Champaign (UIUC), USA 2008.

Publications

- **Mostafa AA**, Griffon DJ, Thomas MW, et al. Proximodistal alignment of the canine patella: radiographic evaluation and association with medial and lateral patellar luxation. *Vet Surg* 2008;37:201-211.
- Ragetly CA, Griffon DJ, Thomas JE, **Mostafa AA**, et al. Noninvasive determination of body segment parameters of the hind limb in Labrador Retrievers with and without cranial cruciate ligament disease. *Am J Vet Res* 2008;69:1188-1196.
- Gadallah SM, Farghali H, **Mostafa AA**. Combined different fixation systems for reconstruction of comminuted diaphyseal femoral fractures in dogs. *J Egyptian Vet Med Assoc* 2009;69:29-44.
- **Mostafa AA**, Griffon DJ, Thomas MW, et al. Morphometric characteristics of the pelvic limb of Labrador Retrievers with and without cranial cruciate ligament deficiency. *Am J Vet Res* 2009;70:498-507.
- **Mostafa AA**, Griffon DJ, Thomas MW, et al. Morphometric characteristics of pelvic limb musculature of Labrador Retrievers with and without cranial cruciate ligament deficiency. *Vet Surg* 2010;39:380-389.
- Ragetly CA, Griffon DJ, **Mostafa AA**, et al. Inverse dynamics analysis of the pelvic limbs in Labrador Retrievers with and without cranial cruciate ligament disease. *Vet Surg* 2010;39:513-522.
- El-Husseiny IN, Ali MA, **Mostafa AA**, et al. Surgical management of patellar ligament rupture in dogs using a prosthetic woven fabric: Experimental study. *J American Science* 2011;7:482-490.
- Ragetly CA, Evans R, **Mostafa AA**, et al. Multivariate analysis of morphometric characteristics to evaluate risk factors for cranial cruciate ligament deficiency in Labrador Retrievers. *Vet Surg* 2011; 40:327-333.
- **Mostafa AA**, Drüen S, Nolte I, et al. Radiographic evaluation of early periprosthetic femoral bone remodelling and prosthetic stem alignment after uncemented and cemented total hip prosthesis in dogs. *Vet Surg* 2012;41:69-77.
- Abu-Seida AM, **Mostafa AA**, Tolba AR. Anatomical and Ultrasonographical Studies on Tendons and Digital Cushions of Normal Phalangeal Region in Camels (*Camelus dromedarius*). *J Camel Pract & Res* 2012;19:1-7.
- Eissa AE, Zaki MM, Saeid S, Abdelsalam M, Ali HM, A.A. **Mostafa AA**, Ibrahim TB, Abumhara AA. In vitro evaluation of the efficacy of hemodialysate (Solcoseryl) as a wound healing agent in Nile tilapia (*Oreochromis niloticus*). *Inter J Vet Sci Med* 2013;1;57-64.
- **Mostafa AA**, Bakr I, Ali M. Extra-articular stabilization of cranial cruciate ligament-deficient stifle in dogs: A new tibial suture anchor point. *Inter J Appl Res Vet Med* 2013;11:212-222.

- Abd-Elhamid MA, Ali KM, **Mostafa AA**. Endoscopic evaluation for the anterior and posterior segment of the eye: A new and useful technique for diagnosis of glaucoma in dogs. *Life Sci J* 2014;11:233- 237.
- **Mostafa AA**, Griffon DJ, Thomas MW, et al. Radiographic evaluation of femoral torsion and correlation with computed tomographic techniques in Labrador Retrievers with and without cranial cruciate ligament disease. *Vet Surg* 2014;43:534-541.
- Shokry MM, Prince A, Attia MZ, Ibrahim IM, Farghalli HM, Tohamy AF, **Mostafa AA**. Potential of camel-derived haemoglobin oxygen carriers as a blood substitute. *J Camelid Sci* 2014;7:35–47.
- Soliman AS, Amer MS, Shamaa A, Abdelfatah DS, Shehab GG, **Mostafa AA**, Darwish OH. Using of chitosan scaffold seeded with autologous undifferentiated mesenchymal stem cells for femoral bone defect management in dogs. *Res J Pharm, Biol Chem Sci* 2015;6:1220-31.
- Amer MS, Shamaa A, Abdelfatah DS, Shehab GG, **Mostafa AA**, Imam IA. The efficacy of cryopreserved amniotic membrane seeded with mesenchymal stem cells for management of bone defect in a canine model. *Res J Pharm, Biol Chem Sci* 2015;6:1620-31.
- **Mostafa AA**, Lucas K, Nolte I, et al. Radiographic evaluation of early periprosthetic acetabular bone contrast and prosthetic head acetabular coverage after uncemented and cemented total hip prosthesis in dogs. *BMC Vet Res* 2016;12:271-279.
- **Mostafa AA**, Berry CR. Radiographic assessment of the cardiac silhouette in clinically normal large- and small-breed dogs. *Am J Vet Res* 2017;78:168–177.
- Cunningham DP, **Mostafa AA**, Gordan-Evans WJ, Boudrieau RJ, Griffon DJ. Factors contributing to the variability of a predictive score for cranial cruciate ligament deficiency in Labrador Retrievers. *BMC Vet Res* 2017;13:235-241.
- Lucas K, Behrens BA, Nolte I, Zamora VG, Betancur S, Almohallami A, Bouguecha A, **Mostafa A**, Lerch M, Colman CS, Wefstaedt P. Comparative Investigation of Bone Mineral Density Using CT and DEXA in a Canine Femoral Model. *J Orthop Res* 2017; 35:2667–2672.
- Griffon DJ, **Mostafa AA**, Blond L, Schaeffer DJ. Radiographic, computed tomographic, and arthroscopic diagnosis of radio-ulnar incongruence in dogs with medial coronoid disease. *Vet Surg* 2018;47:333-342.
- **Mostafa AA**, Cunningham D, Boudrieau RJ, Kowaleski MP, Griffon DJ. Influence of radiographic techniques on the measurement of femoral anteversion angles and a conformation score of pelvic limbs in Labrador Retrievers. *Vet Surg* 2018;47:421-430.
- **Mostafa AA**, Nolte I, Wefstaedt P. The prevalence of medial coronoid process disease is high in lame large breed dogs and quantitative radiographic assessments contribute to the diagnosis. *Vet Radiol Ultrasound* 2018;59:516–528.
- **Mostafa AA**, Nolte I, Wefstaedt P. Quantitative radiographic evaluation of elbow incongruity in Labrador and Golden Retrievers with confirmed medial coronoid disease. *VCOT* 2019;32:10–17.
- Ali K, **Mostafa AA**. Clinical findings of traumatic proptosis in small-breed dogs and complications associated with globe replacement surgery. *Open Vet J* 2019;9:222–229.
- **Mostafa AA**, Nolte I, Wefstaedt P. Radiographic determination of humeroradial, humeroulnar, and radioulnar subluxation indices to quantify elbow incongruence in dogs confirmed to have medial coronoid disease. *Res Vet Sci* 2019;126:83-88.
- Shokry MM,, **Mostafa AA**. Multifunctional prosthetic polyester-based hybrid mesh for repairing of abdominal wall hernias and defects. *Carbohydrate Polymers* 2019;223:115027.
- Shokry M, **Mostafa AA**, Tohamy A, El-Sharkawi M. Autologous mesenchymal stem cells for treatment of acute superficial digital flexor tendonitis in athletic horses – a clinical study of 15 cases. *Pfderheilkunde–Equine Medicine* 2020;36:43–48.
- Mostafa, AA, Peper, KE, Berry, CR. Use of cardiac sphericity index and manubrium heart scores to assess radiographic cardiac silhouettes in large- and small-breed dogs with and without cardiac disease. *J Am Vet Med Assoc* 2020;256:888–898.
- Ali KM, **Mostafa AA**, Soliman S. Complicated corneal ulceration in cats: diagnosis and treatment outcomes of 80 cases (2014-2018). *J Hellenic Vet Med Soc* 2021;72:3041-3050.

Textbooks

- **Mostafa AA.** Canine Orthopedic Surgery. Common orthopedic problems affecting canine limbs with emphasis on some joint and bone diseases. Textbook for under- and post-graduate students, 1st ed., *Faculty of Veterinary Medicine, Cairo University*, 2013.

Funded Projects

- **Proximodistal alignment of the canine patella: radiographic evaluation and association with medial and lateral patellar luxation.** Funded in January 2004 by the Egyptian government (Ministry of Higher Education). The research work of this project had been carried out at the University of Illinois at Urbana-Champaign (UIUC), College of Veterinary Medicine, Department of Small Animal Surgery.
- **Anatomic and computed tomographic characteristics of the rear limbs in Labrador Retrievers with and without cranial cruciate deficiency.** Funded in January 2004 by the Egyptian government (Ministry of Higher Education), and in part by the American Veterinary Medical Foundation in May 2005. The research work of this project had been carried out at the University of Illinois at Urbana-Champaign (UIUC), College of Veterinary Medicine, Department of Small Animal Surgery.
- **Radiographic evaluation of early periprosthetic acetabular bone contrast and prosthetic head acetabular coverage after uncemented and cemented total hip prosthesis in dogs.** Funded by the DAAD in 2014. The research has been carried out in the University of Veterinary Medicine, Hanover, Germany during a fellowship awarded in 2016.
- **Conditioning human stem cells with chitosan and hypoxia.** Funded by the Western University of Health Sciences, California, USA in 2015. The research has been carried out in the same University during a fellowship awarded in 2016.

Conferences, Workshops, and Training Courses

Attended Conferences

- **The American college of Veterinary Surgeons (ACVS) meeting:** Chicago, USA, *October 18-21, 2007*. Proximodistal alignment of the patella in 106 dogs: Evaluation and contribution to patellar luxation.
- **The 16th International Veterinary Radiology Association (IVRA) meeting:** Bursa, Turkey, *August 26-31, 2012*. Radiographic evaluation of femoral torsion and correlation with computed tomographic techniques in Labrador Retrievers with and without cranial cruciate ligament disease.
- **The 5th Scientific Conference of Animal Wealth Research in the Middle East and North Africa:** Faculty of Agriculture, Cairo University, Egypt, *October 1-3, 2012*. Lateral fabellotibial tension band (LFTB) procedure: A new tibial suture anchor point for extra-articular stabilization of transected cranial cruciate ligament in dogs.
- **19th Annual Loma Linda University Basic Sciences Research Symposium and 5th Annual Inland Empire Stem Cells Consortium at Loma Linda University:** California, USA, *November 8, 2016*.
- **The 34th Annual World Veterinary Association Congress:** Barcelona, Spain, *May 5 to 8, 2018*. Prevalence and Quantitative Radiographic Assessment of Medial Coronoid Disease in Large Breed Dogs.
- **The 34th Annual World Veterinary Association Congress:** Barcelona, Spain, *May 5 to 8, 2018*. Radiographic Quantification of Elbow Incongruence in Labrador and Golden Retrievers with Medial Coronoid Disease.

Workshops

- Workshops at the Quality Assurance & Accreditation Center of Cairo University in December, 2011 and January 2012.
- Informational Technologies and Educational Services Workshops. Campus Informational Technologies and Educational Services Programs: University of Illinois, USA, October 5, 13, 27, November 10, 2005, October 11, 2006, and September 28, 2007.

Training Courses

- Passing the international exam of ICDL (international computer driving license) in 2012.
- Training Course in “Use of Educational Technology in Teaching”. Faculty and Leadership Development Center, Cairo University, November 10-12, 2008.
- Training Course in “Recent trends in teaching”. Faculty and Leadership Development Center, Cairo University, March 1-3, 2010.
- Training Course in “Effective Communication Skills”. Faculty and Leadership Development Center, Cairo University, March 8-10, 2010.
- Training Course in “Financial and legal aspects”. Faculty and Leadership Development Center, Cairo University, March 15-17, 2010.
- Training Course in “Effective management of Scientific Conferences”. Faculty and Leadership Development Center, Cairo University, March 22-24, 2010.
- Training Course in “Scientific International Publication Skills”. Faculty and Leadership Development Center, Cairo University, May 17-19, 2010.
- Training Course in “Effective presentation Skills”. Faculty and Leadership Development Center, Cairo University, March 19-21, 2012.
- Training Course in “Competitive Research Projects”. Faculty and Leadership Development Center, Cairo University, May 29-31, 2012.
- Training Course in “Competing for Research Funds”. Faculty and Leadership Development Center, Cairo University, May 29-31, 2012.
- Training Course in “The Credit Hour Systems”. Faculty and Leadership Development Center, Cairo University, December 4-6, 2012.
- Training Course in “Strategic Planning”. Faculty and Leadership Development Center, Cairo University, February 26-28, 2013.
- Training Course in “Meetings and Managing Time”. Faculty and Leadership Development Center, Cairo University, September 7-8, 2013.
- Training Course in “University Codes of Ethics”. Faculty and Leadership Development Center, Cairo University, December 3-4, 2014.
- Training Course in “Managing Research Team”. Faculty and Leadership Development Center, Cairo University, November 30 to December 1, 2015.
- Training Course in “Quality Standards in Teaching”. Faculty and Leadership Development Center, Cairo University, May 4-5, 2016.
- Training Course in “Ethical Considerations for Animal Use in Research”. Faculty and Leadership Development Center, Cairo University, January 30-31, 2017.
- Training Course in “Statistical Analysis of Bio-Experiments”. Faculty and Leadership Development Center, Cairo University, October 18-19, 2017.

Reviewer or evaluator in scientific journals and organizations

- A reviewer in the Journal of the Veterinary Surgery (Vet Surg, USA).
- A reviewer in the Journal of Advanced Research (JAR, Egypt).
- A reviewer in the Journal of American Veterinary Medical Association (JAVMA, USA).
- A reviewer in the BMC Veterinary Research (BMC Vet Res, UK).
- A reviewer in the PLOS ONE (USA).
- A reviewer in the Acta Veterinaria Scandinavica (UK).
- An academic and scientific evaluator of the applications submitted to the GERSS and GERLS (DAAD) scholarship programs and an interviewer of the potential candidates.