

# CURRICULUM VITAE



## 1. Personal data

- **Name:** Aly Mohamed Aly Karen, BVSc, MVSc, PhD
- **Passport #:** A09740986.
- **Nationality:** Egyptian.
- **Current work address:** Aljazeera Veterinary Research Center, Al-Ain, Abu Dhabi, P.O.Box 99912.
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ali.qaren@vet.kfs.edu.eg
- **Date of birth:** August 21, 1968.
- **Place of birth:** Gharbia, Egypt.
- **Marital status:** Married.
- **Kids:** 4 kids (**Omar** 17 yrs, **Abdulrahman**, 14 yrs and **Arwa** and **Yassen**, 4yrs)

## 2. Academic positions

- **1992-1996: Demonstrator** at Department of Theriogenology, Faculty of Veterinary Medicine, Tanta University, Egypt, in 1992.
- **1996-2003: Assistant Lecturer** at Department of Department Theriogenology, Faculty of Veterinary Medicine, Tanta University, Egypt.
- **2004 to 2009: Lecturer** at Department of Department Theriogenology, Faculty of Veterinary Medicine, Tanta University, Egypt in April 27, 2004.
- **April 28, 2009 to 2015: Associate professor** at Department of Department Theriogenology, Faculty of Veterinary Medicine, Kafr El-Sheikh University, Egypt
- **2015 to so far: Professor** at Department of Department Theriogenology, Faculty of Veterinary Medicine, Kafr El-Sheikh University, Egypt.

- **2013 to 2017:** Consultant of Camel Reproduction at Al-Jazeera Veterinary Research Centre, Al-Ain, UAE.
- **From July, 2017 so far:** Head of Reproduction Department at Tharb Hospital, Leawena, Qatar.

### **3. Scientific Degrees**

- **1991: Bachelor** of Veterinary Science, Zagazig University with very good grade.
- **1996: Master Degree** in Veterinary Science (MVSc.) on “**Some trials for prevention and treatment of retention of placenta in cows and buffaloes**” from Tanta University, Egypt.
- **2003: PhD in Veterinary Science** on : **Pregnancy diagnosis in sheep** (*Summa cum laude*) from Clinic for Large Animals, Faculty of Veterinary Science, Szent István University, Hungary.

### **4. Major Activities Abroad**

- **2000-2003: Hungarian PhD scholarship** within the framework of Egyptian /Hungarian cultural exchange program.
- **2001-2003:** 6-month scholarships (2 months per year) at Department of reproductive Physiology, Faculty of Veterinary Medicine, Liege University, Belgium.
- **2008:** 3-month scholarship at Clinic For large Animals, Hungary.
- **2009:** 10- month Hungarian scholarship at Clinic For large Animals, Hungary.

### **5. Teaching Experience**

- **1992-2000:** Participation in practical demonstrations and clinical works
- **2004 to 2013:** Teaching Veterinary Obstetrics, Gynaecology and AI for 4<sup>th</sup> and 5<sup>th</sup> class students at the Faculty of Veterinary Medicine, Kafr El-Sheikh.

## **6. Post-graduate Scientific supervision**

- **2004 to date:** supervisor for master and PhD students in field of Reproduction and Obstetrics, artificial insemination and Embryo transfer in farm animals including camels.

## **7. Research Experience**

- **1992-1996:** prevention and treatment of retention of placenta in cattle and buffaloes
- **1996-2000:** Uses of ultrasonography in goat reproduction.
- **2000-2007:** ultrasonographic early pregnancy diagnosis in sheep and buffaloes
- **2004-2005:** True anestrus in buffaloes.
- **2006-2007:** Postpartum ovarian acyclicity in buffaloes.
- **2009-2012.** Embryonic mortalities in cattle, buffaloes and goats
- **2012-2015:** Color Doppler Ultrasonography in goats
- **2013 to so far:** Infertility, Embryo transfer and AI in camels in UAE and Qatar.

## **8. International research collaborations**

- **Prof. O Szenci:** Clinic for Large Animals, Faculty Of Veterinary Science, Szent István University, Hungary.
- **Prof. J.F. Beckers:** Physiology of Animal Reproduction, Faculty of Veterinary Medicine, State University of Liege, Liege, Belgium
- **Prof. MAM. Taverne:** Department of Herd Health and Reproduction, University of Utrecht, The Netherlands

## **9. Review activities**

- **Journal: Theriogenology (2005)**  
**Ms. Ref. No.:** THERIO-D-05-00272  
**Title:** Early pregnancy diagnosis by transrectal ultrasonography in dairy cattle.
- **Journal: Theriogenology (2008)**  
**Ms. Ref. No.:** THERIO-D-08-00144  
**Title:** Comparison of accuracy of ultrasonography, progesterone and pregnancy-associated glycoprotein tests for pregnancy diagnosis in semi-domesticated reindeer

- **Journal: Reproduction, Fertility and Development (2009)**  
**Manuscript Ref. No. RD09155**  
**Title:** Early ultrasound sexing of goat fetuses derived from natural mating and from fresh, frozen and vitrified embryo transfer  
**Reproduction in Domestic Animals (2010)**
- **Ms. Ref. No:** RDA-OA-Apr-2010-0129  
**Title:** Ovarian and pituitary features in sheep with natural spontaneous oestrus and oestrus induced with fluorogestone acetate or cloprostenol.
- **Theriogenology (2011)**  
**Ms. Ref. No:** THERIO-D-11-00208  
**Title:** May be the fetal kidney measurements be collateral criteria on the prediction of gestational age in cattle?
- **Ms. Ref. No.: THERIO-D-15-00493**  
**Title:** The milk progesterone test - an underrated means of pregnancy detection in dairy cows. **Theriogenology, 2015.**
- **Ms. No. LIVSCI-D-15-681**  
Effect of norgestomet + PMSG supplementation on follicular characteristics, hormonal and biochemical profile in acyclic buffaloes  
**Livestock Science, 2015**
- **Journal of Dairy Science-16-11224 –**  
**Technical Note:** Validation of a chemical pregnancy test in dairy cows that uses whole blood, shortened incubation times, and visual readout  
**Journal of Dairy Science 2016**
- **Reproduction in Domestic Animals RDA-155-2017**  
Influence of Practitioner Expertise During Early Pregnancy Diagnosis on Pregnancy Loss Rate: a Controlled, Blinded Trial.
- **Theriogenology 2018**  
Visual ELISA for detection of pregnancy-associated glycoproteins (PAGs) in ewe serum

## **10. Scientific Awards**

- Scientific publishing prize of the university: 2007-2008.
- Scientific publishing prize of the university: 2009-2010.
- Scientific publishing prize of the university: 2010-2011.

## **11. Memberships in Professional Organizations**

- **2004 to date:** Member of the Egyptian Society for Physiological Sciences and their applications
- **2006 to date:** Member of the Egyptian Society for Animal Reproduction and Fertility
- **2006 to date:** Member of the Egyptian Society for Cattle Diseases.
- **2001- so far:** Member of the Hungarian Society for Cattle Diseases

### **LIST OF PUBLICATIONS**

- 1) **A. Karen** , P. Kovács, J.F. Beckers, and O. Szenci (2001). Pregnancy diagnosis in sheep: review of the most practical methods. **Acta Veterinaria Brno**, **70**:115-126.
- 2) El Amiri, **A. Karen**, Y Cognié., N.M. Sousa, J.L. Hornick, O. Szenci and J.F. Beckers (2003). Diagnosis and monitoring of pregnancy in sheep: Reality and perspectives. **Production Animales**, **16**:79-90 (in French).
- 3) **A. Karen**, J.F. Beckers, J. Sulon, N.M. Sousa, K. Szabados, J. Reiczigel and O. Szenci (2003). Early pregnancy diagnosis in sheep by progesterone and pregnancy-associated glycoprotein tests. **Theriogenology**, **59**:1941-1948.
- 4) **A. Karen**, J.F. Beckers, J. Sulon, B. El Amiri, K. Szabados, S. Ismail, J. Reiczigel and O. Szenci Evaluation of false transrectal ultrasonographic pregnancy diagnoses in sheep by measuring plasma level of pregnancy-associated glycoproteins. **Reproduction, Nutrition, Development** 2003, **43**:577-586.
- 5) **A. Karen**, K. Szabados, J. Reiczigel, J.F. Beckers and O. Szenci. Accuracy of transrectal ultrasonography for determination of pregnancy in sheep: effect of fasting and handling of the animals. **Theriogenology** **2004**, **61**:1291-1298.
- 6) A. Répási, J. F. Beckers, J. Sulon, **A. Karen**, J. Reiczigel and O. Szenci: Effect of the type and number of prostaglandin treatments on corpus luteum, largest follicle and progesterone concentration in dairy cows. **Reproduction in Domestic Animals** 2005, **40**:436.

- 7) Ramoun, A.A. Osman, K. T., Darwish, S. A., **Karen A.M.**, Gamal, M. H.. Effect of pretreatment with insulin on the response of buffaloes with inactive ovaries to gonadotrophin-releasing hormone agonist treatment in summer. **Reproduction, Fertility and Development**, 2007, 19, 351-355.
- 8) **A. Karen**, B El Amiri, JF Beckers, J Sulon, MAM. Taverne and O Szenci. Comparison of accuracy of transabdominal ultrasonography, progesterone and pregnancy- associated glycoproteins tests for discrimination between single and multiple pregnancies in sheep. **Theriogenology** 2006, 66: 314-322.
- 9) B. El Amiri<sup>1</sup>, **A. Karen**, J Sulon, N Melo de Sousa, AV Alvarez-Oxiley, Y Cognie´ , O Szenci and JF Beckers. Measurement of Ovine Pregnancy-Associated Glycoprotein (PAG) During Early Pregnancy in Lacaune Sheep. **Reprod Dom Anim** 2007, 42: 257–262.
- 10) **A. Karen**, S. Darwish , A. Ramoun , K. Tawfeek , N. Van Hanh , N.M. de Sousa , J. Sulon , O. Szenci , J.F. Beckers. Accuracy of ultrasonography and pregnancy-associated glycoprotein test for pregnancy diagnosis in buffaloes. **Theriogenology**, 68 (2007) 1150–1155.
- 11) **A. Karen**, Fattouh El-S. Abu- Zeid S. Estimation of gestational age in Egyptian native goats by ultrasonographic fetometry. **Animal Reproduction Science**, 2009, 114:167-174.
- 12) **A. Karen**, S. A. Darwish, 2010. Efficacy of Ovsynch protocol in cyclic and acyclic Egyptian buffaloes in summer. **Animal Reproduction Science**, 2010, 119 : 17–23.
- 13) **A. Karen**, S. Darwish, A. Ramoun, K. Tawfeek, N. Van Hanh, N. M. de Sousa, J. Sulon, O. Szenci , J. F. Beckers. Accuracy of transrectal palpation for early pregnancy diagnosis in Egyptian buffaloes. **Tropical Animal Health and Production**, 2011, 43:5-7.
- 14) **A.M. Karen**, P. Kovacs, J.F. Becker, N.M. de Sousa, O. Szenci. Plasma urea nitrogen in relation to pregnancy rate in dairy sheep. **Animal Reproduction Science**, 2011,69-72
- 15) O. Szenci **A. Karen**, Á.Cs. Bajcsy, A. Gáspárdy, N.M. de Sousa, J.F. Beckers. Effect of restraint stress on plasma concentrations of cortisol, progesterone and pregnancy

associated-glycoprotein-1 in pregnant heifers during late embryonic development. **Theriogenology**, 2011, 76: 1380–1385.

- 16) **Karen A**, Bajcsy AB, Minoia R, Kovács R, de Sousa NM, Beckers JF, Tibold J, Mádl I and Szenci O. 2014. Relationship of progesterone, bovine pregnancy-associated glycoprotein-1 and nitric oxide with late embryonic and early fetal mortalities in dairy cows. **Journal of Reproduction and Development**, 2014, 60:162-167.
- 17) **Karen A**, Samir H, Ashmawy T, El-Sayed M. Accuracy of B-mode ultrasonography for diagnosing pregnancy and determination of fetal numbers in different breeds of goats. **Animal Reproduction Science**, 2014,147: 25-31.
- 18) Haney S, Kazuaki S , Ahmed E, , **Karen A**, Nagaoka K, El Sayed M, Taya K and Watanabe G. Effect of a Single Injection of Gonadotropin- Releasing Hormone (GnRH) and Human Chorionic Gonadotropin (hCG) on Testicular Blood Flow Measured by Color Doppler Ultrasonography in Male Shiba Goats. **Journal of Veterinary Medical Science**, 2015, 77(5): 549–556.
- 19) Haney Samir, **Aly Karen**, Tarek Ashmawy, Mostafa Abo-Ahmed, Mohamed El-Sayed, Gen Watanabe. Monitoring of Embryonic/Fetal Losses in Different Breeds of Goats using Real Time B- Mode Ultrasonography. **Theriogenology**, 2016, 85(2):207-215.
- 20) **Karen A**, and Mansour N. Factors affecting embryonic losses after embryo transfer in dromedary camels. Hungarian Veterinary Journal (Magyar Allatorvosok Lapja) 2018,140 (supplement 1) 252-255.



### **ABSTRACTS PUBLISHED IN THE CONGRESSES**

- 1) **A. Karen.**, J.F. Beckers, J. Sulon, N. Sousa, K. Szabados, J. Reiczigel, O. Szenci: Early pregnancy diagnosis in sheep by progesterone and pregnancy-associated glycoprotein tests. XII Congress of Hungarian Association for Buiatrics, Balatonfüred, 2001, pp.: 107-108 (in Hungarian).
- 2) **A. Karen** J.F. Beckers, J. Sulon, N. Sousa, K. Szabados, J. Reiczigel, O. Szenci: Early pregnancy diagnosis in sheep by progesterone and pregnancy-associated glycoprotein tests. Third Belgian Workshop on Animal Endocrinology, Namur, Belgium 2001, Biotech Agron Soc Environ 2002, **6** (1): 8.
- 3) **A. Karen.**, J.F. Beckers, J. Sulon, N.M. Sousa, K. Szabados J. Reiczigel, and O. Szenci: Early pregnancy diagnosis in sheep by progesterone and pregnancy-associated glycoprotein tests. XXII. World Buiatrics Congress, Hannover, 2002, p. 196.
- 4) **A. Karen.**, K. Szabados, J.F. Beckers and O. Szenci: Evaluation of transrectal ultrasonography for determination of pregnancy in sheep. 53<sup>rd</sup> EAAP Annual Meeting, Cairo, 2002, p.108.
- 5) **A. Karen.**, K. Szabados, J.F. Beckers, O. Szenci: Accuracy of transrectal ultrasonography for determination of early pregnancy in sheep: Effect of fasting and handling of animals. 53<sup>rd</sup> EAAP Annual Meeting, Cairo, 2002, p.115.
- 6) O. Szenci, **A. Karen**, J. Sulon, P. Kovács, J. Reiczigel and J.F. Beckers: Juhok korai vemhességének megállapítása. A Magyar Mezőgazdaság, 2003, 12: 6 (melléklete).
- 7) **A. Karen.**, K. Szabados, P. Kovács, J.F. Beckers, O. Szenci: Pregnancy diagnosis made by ultrasonography in sheep. III Middle-European Congress for Buiatrics, Bohemian-Moravian Highlands, Czech Republic, 2001, pp.: 91-93.

- 8) **A. Karen.**, P Kovács, J-F Beckers, Sulon J, O Szenci. Plasma Urea Nitrogen and Phosphorus in Relation to Pregnancy Rate in Dairy Sheep XXIV World Buiatrics Congress, Nice, France, 2006.
- 9) **A. Karen.**, Fattouh El-S. Abu-Zeid S. Estimation of gestational age in Egyptian native goats by ultrasonographic fetometry. XXV World Buiatrics Congress, Budapest, Hungary, 6-11 July, 2008.
- 10) Fattouh E. M., Seror B. H., El Keraby F. E., **Karen A. M.** Evaluation of three protocols for the treatment of retained fetal membranes in dairy cattle. XXV World Buiatrics Congress, Budapest, Hungary, 6-11 July, 2008.
- 11) **Karen A.**, De Sousa N.M., Beckers J.F., Tibold J., Mádl I., Szenci O., 2014. Comparison of bovine pregnancy-associated glycoprotein-1 radiomimmunoassay and a commercial placental protein ELISA test for early pregnancy diagnosis in dairy cattle at Day 28 after insemination. 24th International Congress Of The Hungarian Association For Buiatrics, OCTOBER 15-18, 2014, Hajdúszoboszló, Hungary, pp.257-258.
- 12) **A. Karen**, N. Mansour, M.salama and M EL-Shazlee: Embryonic losses in dromedary camels: incidence and risk factors. Symposium in Reproduction in Equids and Camelids. Dubai, March 15 , 2016, p.18.
- 13) N. Mansour, **A. Karen**, M EL-Shazlee, and M.Salama: Infertility problems in she-camels with special reference to ovarian inactivity. Symposium in Reproduction in Equids and Camelids. Dubai, March 15 , 2016, p.17

### **PAPERS PUBLISHED IN THE CONGRESSES**

- 1) **A. Karen**, K. Szabados, J.F. Beckers and O. Szenci: Evaluation of transrectal ultrasonography for determination of pregnancy in sheep. XIII Congress of Hungarian Association for Buiatrics, Hajdúszoboszló, 2002, pp. 158-161.
- 2) **A. Karen**, J.F. Beckers, J. Sulon., B. El Amiri, K. Szabados, S. Ismail, J. Reiczigel and O. Szenci: Comparison of transrectal ultrasonography and pregnancy associated glycoprotein test for determination of early pregnancy in sheep. IV. Middle-European Congress for Buiatrics, Lovran, Croatia, 2003, pp.343-349.
- 3) **A. Karen**, K. Szabados, J.F. Beckers and O. Szenci: Accuracy of transrectal ultrasonography for determination of pregnancy in sheep: Effect of the type of ultrasound scanner. XIV. Congress of Hungarian Association for Buiatrics, Keszthely, 2003, pp.181-184.
- 4) O. Szenci, **A. Karen**, J. Sulon, P. Kovács, J. Reiczigel and J.F. Beckers: Juhok korai vemhességének megállapítása In: Javor András. Az Állattenyésztés Szolgálatában, Debreceni Egyetem Agrártudományi Centrum, Debrecen, 2003, pp. 89-93.
- 5) **A. Karen**, A. Hegab, S. Darwish, M. H. Gamal , O. Szenci. Body condition score and blood glucose level in postpartum Egyptian buffaloes and their relationship with the first postpartum ovulation. Sixth Scientific Conference of Society of Physiological Sciences and Their Applications, Taba, 5-8 November, 2008: 141-152.
- 6) **A. Karen**, Ramoun A., Beckers J. F., Szenci O. Pregnancy diagnosis in buffaloes: A Review. 19<sup>th</sup> International Congress of Hungarian Association for Buiatrics, 14-17 October, 2009, Debrecen, pp.153-158.
- 7) **A. Karen**, Bajcsy Á. Cs, Kovács R, Chahiba N, Melo de Sousa N, Beckers JF, Tibold J, Takács L, Mádl I, Szenci O. Late embryonic and early fetal mortalities in dairy cows: the

incidence and pregnancy protein profiles. 20th International Congress of Hungarian Association for Buiatrics, 20-23 October, 2010, Eger, Hungary.

- 8) **A. Karen**, Cs. Á. Bajcsy , O. Szenci Accuracy of transrectal ultrasonography and progesterone tests for diagnosis of non-pregnancy at day 21 after insemination in dairy cows. 22<sup>nd</sup> International Congress of Hungarian Association for Buiatrics, 20-23 October, 2012, Kecskemet, Hungary.
- 9) **Karen A.** and Mansour N. Factors affecting embryonic losses after embryo transfer in dromedary camels. 28<sup>th</sup> Middle European Buiatrics Congress, Eger, May30, 2018, Hungary. Hungarian Veterinary Journal (Magyar Allatorvosok Lapja) 2018,140 (supplement 1) 252-255.