

CURRICULUM VITAE

Abdurzag Ali Kerban
B.V.Sc, M.V.Sc, M Sc, Ph.D

PERSONAL INFORMATION



Name: Abdurzag Ali Kerban

Sex: Male

Date of Birth: 21-06-1966

Marital State: Married

Address: Department of Animal Physiology, Biochemistry
and Nutrition,

Faculty of Veterinary Medicine,

University of Tripoli .

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Tripoli, Libya.

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Telephone no: (+218) 913659035

Languages English and Arabic

Present Post: Associated professor

Department of Animal Physiology, Biochemistry
and Nutrition,

Faculty of Veterinary Medicine,

University of Tripoli,

Tripoli, Libya

EDUCATION

B.V.Sc.

1984 to 1990

Faculty of Veterinary Medicine
University of Tripoli, Tripoli, Libya.

M.V.Sc.

03/1991 to 11/1994

Title of thesis: Study of some factors affecting postpartum fertility in Holstein-Friesian dairy cows under Libyan conditions

Supervisor: Dr. Khalid Benhaj.

University of Tripoli, Tripoli, Libya; Faculty of Veterinary Medicine; Department of Veterinary Obstetrics, Gynaecology & Artificial Insemination.

M.Sc

05/1996 to 12/1998

Title of thesis: Development of equine preovulatory follicles:

Histological morphology and regulation of StAR.

Supervisor: Dr. Jean Sirois

Faculty of Veterinary Medicine, Department of Veterinary Biomedicine; Centre of research of Animal Reproduction

University of Montreal, **Montreal, Canada.**

Ph.D.

09/2003 to 01/2008

Title of thesis: Effect of some feed additive on reproductive performance in young barki rams

Supervisor: Dr. M. M. Abou-Ahmed

Faculty of Veterinary Medicine, Department of Theriogenology,
University of Cairo, Cairo, Egypt.

WORK EXPERIENCE

2015- up to date:

- **Associated professor** in Department of Animal Physiology, Biochemistry and Nutrition, Faculty of Veterinary Medicine, University of Tripoli , Tripoli, Libya

2010- 2015

- **Assistant professor** in Department of Animal Physiology, Biochemistry and Nutrition, Faculty of Veterinary Medicine, University of Tripoli , Tripoli, Libya.

2008- 2010:

- **Lecturer** in Department of Animal Physiology, Biochemistry and Nutrition, Faculty of Veterinary Medicine, University of Tripoli , Tripoli, Libya.

2003-2008 :

- **Field and laboratory work**, Department of Veterinary Obstetrics, Gynecology & Artificial Insemination, Faculty of Veterinary Medicine, Cairo University, Cairo, Egypt.

My duties were Hormonal assay, collection, evaluation, preservation and manipulation of ram semen.

1998-2003:

- **Assistant Lecturer**, department of Veterinary Obstetrics, Gynecology & Artificial Insemination, Faculty of Veterinary Medicine, University of Tripoli , Tripoli, Libya.
- **1995-1998**
- **Veterinary physician/ Laboratory work**, Laboratory of Dr. Jean Sirois, Center of research of **animal reproduction**, Faculty of Veterinary Medicine, University of Montreal, Canada.

This involved characterization of follicular development using Cloning and characterization of steroidogenic enzymes, mRNA regulation in equine preovulatory follicles, cell culture, Radio Immuno Assay and ultrasonography.

1992-1994

- **Veterinary physician**, Dairy Cattle project, Minister of agriculture, Tripoli, Libya.

I was involved in Pregnancy diagnosis, manipulation of parturition and postpartum follow up in dairy cattle.

1990-1994

- **Teaching assistant**, Department of Veterinary Obstetrics, Gynecology & Artificial Insemination, Faculty of Veterinary Medicine University of Tripoli , Tripoli, Libya.

Responsible for test construction, grading, prepping, and supervision of labs.

University Teaching Experience:

I am actively involved in teaching both undergraduate students since 1990 and graduate students since 2008.

I have been involved in setting up revision courses and seminars.

The following subjects are covered:

- General Physiology.
- Reproductive physiology.
- Advanced physiology.
- Computer aid for scientific communications.

POSTGRADUATE (Master thesis supervision)

- Co-supervisor for an M Sc project " Investigation of Microalbuminuria, Electrolytes and HbA1c levels in type 2 diabetic patients in Tripoli region" 2018- up to date, Department of Animal Physiology, Biochemistry and Nutrition, Faculty of Veterinary Medicine University of Tripoli.

CORE COMPETENCIES AND SKILLS:

- Very good communication and written skills.
- Very good knowledge of the subject areas and ability to teach students by using various methods.
- Analytical approach and ability to research as well as an ability to respect students.
- Highly skilled in collecting the study material and chunking it in a proper way.
- Strong commitment with the job as well as interested in teaching graduate and undergraduate students.
- Good interpersonal and organizational skills.
- Ability to communicate with the students, staff, and parents.
- Ability to advise the students and problem-solving attitude.
- Providing the proper feedback to the students for the further development.
- Management of material resources.
- Student mentoring and developing individualized academic action plans in coordination with department head as needed.
- Learning strategies.

SKILLS

- Motivator.
- Good listening and speaking skills.
- Good Explanation skills.
- Can easily interact with students.
- Disciplined.
- Always update myself.
- In depth knowledge of the subjects.
- Problem solving skills.

SCIENTIFIC COMMUNICATIONS:

1. **Kerban, A.**, Boerboom, D. and Sirois, J. Molecular cloning and characterization of the equine steroidogenic acute regulatory protein and regulation of its messenger ribonucleic acid in equine follicles prior to ovulation. J. Reprod. Fertil. 20 P 34 (1997). (abstract 90)

2. **Kerban, A.**, Boerboom, D. and Sirois, J. Human chorionic gonadotropin induces a unique regulation of StAR mRNA during follicular luteinization in mares. 4th Annual Research Day for Montreal Area Reproductive and Developmental Biologists. St-Hyacinthe, Quebec. November (1997).
3. **Kerban, A.**, Boerboom, D., and Sirois, J. Molecular cloning of equine StAR and regulation in granulosa and theca interna prior to ovulation. 16th Annual Ottawa Reproductive Biology Workshop. Ottawa, Ontario. June (1997).
4. **Kerban, A.**, Dore, M. and Sirois, J. Cellular and vascular changes in equine follicle prior to ovulation. *Biology of Reproduction* 56 (suppl. 1): p. (1997).
5. Boerboom, D., **Kerban, A.** and Sirois, J. Evidence for a molecular switching mechanism between two distinct cytochrome P450 aromatase promoters during ovulation and luteinization in mares. 4th Annual Research Day for Montreal Area Reproductive and Developmental Biologists. St-Hyacinthe, Quebec. November (1997).
6. Boerboom, D., **Kerban, A.** and Sirois, J. Molecular characterization of the equine cytochrome P450 aromatase cDNA and its regulation in preovulatory follicles. *Biology of Reproduction* 56 (suppl. 1): 479. (1997).
7. Boerboom, D., **Kerban, A.** and Sirois, J. Cloning of equine cytochrome P450 aromatase and regulation of mRNA by hCG in granulosa cells. 16th Annual Ottawa Reproductive Biology Workshop. Ottawa, Ontario. June (1997).
8. Boerboom, D., **Kerban, A.** and Sirois, J. Novel regulation of a promoter 1f-derived aromatase transcript by human chronic gonadotropin in equine preovulatory follicles. 10th international congress on hormonal steroids, Quebec, Canada (1998).
9. **A. Kerban** and O. Algriany. Freezability of ram spermatozoa in straw and in pellet form on three different cold surfaces. 26th Maghrib Veterinary Congress, Tripoli, Libya (2009).
10. **A. Kerban** and O. Algriany. Freezability of Barkiram semen on three different cold surface. 4th conference of Egyptian society for animal management. Ras-Sider, Egypt 25-28 October, (2010).

11. **A. Kerban** and O. Algriany. Post-thawing characteristics of ram semen frozen in straw and pellet on cold surfaces made from cattle fat and paraffin wax. 22nd veterinary association Malaysia congress. Colalambor, Malaysia (2010).
12. **A. Kerban**, M. M. Abou-Ahmed, A. M. Ghallaband and M. H. Shaker. Effect of Protected Fat, Zinc and Probiotics on Cryopreservation of Barki Ram Semen. The 1stRegional STVM Conference June 18-21, Phuket, Thailand (2011).
13. **A. Kerban**, M. M. Abou-Ahmed, A. M. Ghallaband and M. H. Shaker. Effect of some Feed Additive on Cryopreservation of Barki Ram Semen. International Animal Science Congress Of Turkish And Relatives Communities September 11-13, Isparta, Turkey. (2012).
14. **A. Kerban**, M. M. Abou-Ahmed, A. M. Ghallaband and M. H. Shaker. Post-Thawing Characteristics of Ram Semen Frozen in Straw and Pellet on Cold Surfaces Made from Cattle Fat and Paraffin Wax. International conference of Veterinary and biomedical Sciences, October 30-31, Bali, Indonesia (2013).
15. **A. Kerban**, M. M. Abou-Ahmed, A. M. Ghallaband and M. H. Shaker. Semen characteristics of ram semen frozen in straw and pellet in three type of cold plates. International conference of Veterinary and biomedical Sciences, June 19-20, Istanbul, Turkey (2014).
16. **A. Kerban**, M. M. Abou-Ahmed, A. M. Ghallaband and M. H. Shaker. Effect of feed additives on Cryopreservation of Barki Ram Semen. International conference of Veterinary and biomedical Sciences, December 04-05, Penang, Malaysia (2014).

PUBLICATIONS:

1. **Kerban A.**, Dore M. and Sirois J. (1999): Cellular and vascular changes in equine follicle prior to ovulation. *J. Reprod. Fertility* **117** (1) 115-125.
2. **Kerban A.**, Boerboom D. and Sirois J. (1999): Molecular cloning and characterization of the equine steroidogenic acute regulatory protein and regulation of its messenger ribonucleic acid in equine follicles prior to ovulation. *Endocrinology* **140** (2) 667-674.

3. Boerboom D., **Kerban A.** and Sirois J. (1999): Novel regulation of a promoter 1f-derived aromatase transcript by human chronic gonadotropin in equine preovulatory follicles. *Endocrinology* **140** (9) 4133-4141.
4. **Kerban A** Benelhaj K. (2010): Effect of age, season and parity on postpartum fertility of HolsteinFriesian cows under agroclimatic conditions of Libya. *Libyan Veterinary Medical Journal.* **1** (1) 33-45.
5. **Kerban A.**, Benelhaj K. (2010): Influence of milk yield, dystocia and retained fetal membranes on post partum fertility in Holstein freiseain cows under Libyan conditions. *Libyan Veterinary Medical Journal.* **1** (1) 96-107.
6. Akasha M., **Kerban A.** and Abobaker S. A. (2015): Effect of Nitrate on the Body Weight, Food and Water Consumption and Thyroid Hormone in Hybrid Female Rabbits. *J. Vet. Adv.* **5**(5): 912-918.
7. Bushwereb M., Algarib S., **Kerban A.** and Tahir F. (2015): The Effect Of Dietary Aflatoxin On Local Domestic Ducks. *Libyan Journal of Veterinary Medical Sciences.* **1** (1): 7-10.
8. Aghwider A., Tahir F., **Kerban A.** and Bushwereb M. (2015): Evaluation of probiotic to ameliorate the toxicity of aflatoxin in broiler chickens. *Libyan Journal of Veterinary Medical Sciences.* **1** (1): 2023.
9. **Kerban A.**, Algriany O. Elzawam A. and Zaidi, A. (2015): Effect of pellet volume on Cryopreservation of Barki Ram Semen using cold surfaces made from cattle fat. *Libyan Journal of Veterinary Medical Sciences.* **1** (1): 33-36.
10. Shirif, A. M., **Kerban, A.** and Zaidi, A. (2015). Upgrading the In vitro Dry Matter Degradability of Leaves plus Sheaths of Wheat Straw by Using Physical Treatments. *Journal of Animal Science Advances*, **5**(11), 1493-1500.
11. M. Bushwereb, M. Elraghig, A. Kerban, A Zaidi (2019) Effect Of Adding Corn Oil, Tallow, And Blend Of Corn Oil And Tallow Diet On Growth Performance And Feed Utilization Of Broiler Chickens *Global Journal Of Animal Scientific Research* **7**(2), 1-9.
12. M. Bushwereb, A. Kerban, M. Elraghig and H. Sola (2019). Efficacy of Baker Yeast in Ameliorating Aflatoxicosis in Broiler Chicks Fed Aflatoxin-Contaminated Diet. *Global Journal Of Animal Scientific Research* **7**(1), 1-8

13. M. Bushwereb, A. Zaidi, F. Bentaher, A. Kerban. (2020) Performance, Fat Digestibility And Blood Chemistry Of Broiler Fed Diet Supplemented With Ox Bile Salt. Global Journal Of Animal Scientific Research, 8(4), 8-17.
14. M. Bushwereb, A. Aghwider, F. Bentaher and A. Kerban (2020). Evaluation Of Probiotic To Ameliorate The Toxicity Of Aflatoxin In Broiler Chickens. International Journal of Veterinary Science and Agriculture Research 2 (2), 1-7
15. LAS Kurban, H Metwally, M Abdullah, A Kerban, A Oulhaj, Ja Alkoteesh (2021). Uterine Artery Embolization Of Uterine Leiomyomas: Predictive Mri Features Of Volumetric Response American Journal Of Roentgenology, 1-8

ADMINISTRATION EXPERIENCE:

- Head of department of Physiology, Biochemistry and animal Nutrition Faculty of Veterinary Medicine, University of Tripoli , 2019- up to date
- Head of Department of Postgraduate Studies, Faculty of Veterinary Medicine, University of Tripoli , 2015- 2018
- Head of office of documentation and information, Faculty of Veterinary Medicine, University of Tripoli, 2011- 2014
- Postgraduate coordinator, Department of Animal Physiology, Biochemistry and Nutrition, Faculty of Veterinary Medicine, University of Tripoli 2011 –up to date
- Head of office of Conference and International Relations, Faculty of Veterinary Medicine, University of Tripoli 2008- 2011.

COMPUTER SKILLS:

I have very good computer skills including word processing, spread sheets, presentation, and Endnote program.

I am also skilled at database and statistics including SPSS software.