

Abdallah M. Shahat MVSc., DVM

Assistant Lecturer,

Department of Theriogenology,

Faculty of Veterinary Medicine,

Cairo University, Egypt

PhD candidate

Production Animal Health

Faculty of Veterinary Medicine

University of Calgary

Contact details

Address: 1107N 3524 31 St., NW Calgary AB

Phone: +14039939912

E-mail: dalovet90@yahoo.com / abdallah.shahatmoham@ucalgary.ca

Education

April 2016: Master of Veterinary Medical Sciences (MVSc.) Department of Theriogenology, Faculty of Veterinary Medicine, Cairo University, Egypt, under supervision of Dr. Mohamed Ayob and Dr. AbdelRaouf Ghallab. Thesis entitled (**Influence of some antioxidants supplementation in semen extender on quality of stallion spermatozoa**).

May 2012: Bachelor Degree in Veterinary Medical Sciences (DVM) Faculty of Veterinary Medicine, Cairo University, Egypt, Very Good (Honors).

Academic positions

May 2016 till now: Assistant lecturer, Department of Theriogenology, Faculty of Veterinary Medicine, Cairo University, Egypt.

March 2013 till May 2016: Demonstrator, Department of Theriogenology, Faculty of Veterinary Medicine, Cairo University, Egypt.

Publications

1. **Abdallah M Shahat**, Jacob C Thundathil, John P Kastelic (2021). Melatonin and l-arginine mitigate heat stress-induced reductions in quality of frozen-thawed ram sperm. Abstract paper in Clinical Theriogenology journal.
2. **Abdallah M Shahat**, Jacob C Thundathil, John P Kastelic (2020). Data loggers in scrotal subcutaneous tissues reliably assess intrascrotal temperatures in rams. Small Ruminant Research, 193: 106247

3. **AM Shahat**, G Rizzoto, JP Kastelic. (2020). Amelioration of heat stress-induced damage to testes and sperm quality. *Theriogenology*, 158: 84-96.
4. A. M. Ghallab, Mostafa M. Abou-Ahmed, Aya M. Fadl, Diya A. El-Badry, **Abdallah M. Shahat** and Adel R. Moawad (2019). Optimization the protocol for cryopreservation of Arabian stallion spermatozoa: Effects of centrifugation, semen extenders and cryoprotectants. *Cryo Letters* **40**:129-138.
5. AbdelRaouf M. Ghallab, **Abdallah M. Shahat**, Aya M. Fadl, Mohamed M. Ayoub, Adel R. Moawad. (2017). Supplementation of semen extender with antioxidants improves the quality of chilled or cryopreserved Arabian stallion spermatozoa. *Cryobiology*, **79**:14-20.

Conferences Attended

- Theriogenology conference in Omaha, July 2021 (oral presentation).
- American Society of Andrology conference, April 2021 (poster presentation).
- UCVM Graduate Research Day U of C, May 2021 (short oral presentation).
- UCVM Graduate Research Day U of C, January 2020 (poster presentation).

Awards

- Pre-candidacy award U of C, 2020
- Cairo University International Publication Award, 2018
- Ph D Scholarship, Ministry of Higher Education, Egypt 2018

Research Skills

1. Semen collection, evaluation and processing in different species (equine, cattle, sheep, goat, dogs and cats).
2. Preparation of semen extenders
3. Semen cryopreservation
4. Evaluation of sperm motility
5. Evaluation of sperm morphology
6. Sperm count using hemocytometer
7. Hypo Osmotic Swelling Test
8. DNA damage in sperm cells
9. Breeding soundness in cattle and horses

10. Management of cattle fertility
11. Fluorescence microscope
12. Tissue culture and cell isolation
13. RNA extraction and reverse transcription
14. RT-PCR and endpoint PCR
15. Immunohistochemistry
16. SPSS for statistical analysis

Academic Teaching

- 1- Group teaching
- 2- One to One teaching
- 3- Student's grading and evaluation
- 4- Teaching theoretical and practical classes of animal reproduction courses (Gynecology, Obstetric, Andrology and Artificial Insemination) in different animal species such as cattle, buffalo, sheep, goat, equine, camel, dogs and cats, Department of Theriogenology, Faculty of Veterinary Medicine, Cairo University to undergraduate veterinary students.
- 5- Contributing in teaching of summer courses and clinical training of different aspects of Animal Reproduction (such as physiology of reproduction in male and female, pregnancy diagnosis, treatment of infertility, treatment of dystocia (difficult birth) using different approaches, semen collection, evaluation and artificial insemination, embryo transfer, in different species such as cattle, buffaloes, equine, camels, sheep, goat, dogs and cats) to undergraduate students, Department of Theriogenology, Faculty of Veterinary Medicine, Cairo University.

Clinical Experiences

- 1- Veterinarian in the clinic of Theriogenology Department, Faculty of Veterinary Medicine, Cairo University and private clinics and farms since March 2013.
- 2- Treatments of all forms of infertility in cattle, buffalo, horses, sheep, goat, dog and cat.
- 3- Pregnancy diagnosis in farm animals and pet animals by using different methods such as rectal palpation and ultrasound.
- 4- Fertility management in cattle.
- 5- Breeding soundness in cattle and horses.

6- Treatment of all forms of dystocia in cattle, buffalo, horses, camels, sheep, goat, dogs and cats using different methods including caesarian section.

7- Semen collection, evaluation, and artificial insemination in cattle, buffalo, horses, camels, sheep, goat, dogs and cats.

Training courses and workshops

1. Animal surgery course at U of C, 2019.
2. Rat husbandry, handling and procedures at U of C, 2019.
3. Science Communication course, U of C (September – October 2020).
4. Competing for research funds (FLDC, Cairo University).
5. E-learning (FLDC, Cairo University).
6. Meeting and Managing time (FLDC, Cairo University).
7. Effective presentation skills (FLDC, Cairo University).
8. Use of technology in teaching (FLDC, Cairo University).
9. Teaching quality standards (FLDC, Cairo University).
10. Training course on ultrasound and Doppler examination of the mare reproductive tract (Animal Reproduction Institute, Giza, Egypt).

Language

Arabic: Mother Language.

English: Fluent (Academic IELTS: 7)

References

Dr. John P. Kastelic, DVM, PhD, Dipl. ACT

Professor, Cattle Reproductive Health - Theriogenology

Head, Department of Production Animal Health

3280 Hospital Drive NW

TRW Building, 1E15

Calgary, AB, Canada T2N 4Z6

Tel: (403) 210-8660

Cell: (403) 690-9273

Fax: (403) 210-9466

Email: j.kastelic@ucalgary.ca