

Curriculum Vitae

Mohammed Ababneh **BVM&S, PhD, DACT**

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Personal Information

Name: Mohammed Mahmoud Ababneh
Date of birth: 1st November 1969
Nationality: Jordanian

Research interests

Hormonal manipulation of the estrous cycle to improve conception and reduce embryonic loss in ruminants. Regulation of gene expression particularly phospholipase A2 in the equine endometrium and events related to luteolysis and maternal recognition of pregnancy.

Education

Ph.D. College of Veterinary Medicine,
University of Minnesota. Twin Cities, Minnesota, USA
Major in Theriogenology. September, 1999
Advisors: Mats HT Troedsson, DVM, PhD, DACT, DECAR
Melvin L Fahning, DVM, PhD, DACT
Thesis: Regulation of Uterine Prostaglandin F2 Alpha Secretion in Cycling and Pregnant Mares

Residency: Large Animal Teaching Hospital,
College of Veterinary Medicine, University of Minnesota
University of Minnesota. Twin Cities, Minnesota, USA
Large Animal Theriogenology July 1996- June 1999

MSc. College of Veterinary Medicine,
University of Minnesota. Twin Cities, Minnesota, USA
Major in Theriogenology
Advisor: Melvin L. Fahning, DVM, PhD, DACT
Thesis: Ultrastructure and Viability of Frozen Bovine Embryos Post Thaw.

Bachelor: College of Veterinary Medicine
University of Baghdad, Baghdad, Iraq
Bachelor in Veterinary Medicine and Surgery (BVM&S), 1992
Honor student: 2nd rank student.

Professional & Research Experience

11/2012 Professor,

Department of Veterinary Clinical Sciences, Faculty of Veterinary Medicine
Jordan University of Science and Technology

- 9/2012 Vice Dean and Director of the Veterinary Health Center
Faculty of Veterinary Medicine
Jordan University of Science and Technology
- 9/2010- 8/2011 Sabbatical Leave; Visiting Fulbright scholar
Gluck Equine Research Center, University of Kentucky
Lexington, Kentucky, USA
- 9/2009- 8/2010 Acting Head
Department of Veterinary Clinical Science, Faculty of Veterinary Medicine
Jordan University of Science and Technology
- 12/1999 – 3/2006 – Assistant Professor,
Department of Veterinary Clinical Sciences
Faculty of Veterinary Medicine
Jordan University of Science and Technology
- 9/2001 – 8/2002 Acting Head
Department of Veterinary Clinical Science, Faculty of Veterinary Medicine
Jordan University of Science and Technology
- 9/2000 – 8/2001 Assistant dean and head of the Veterinary Health Center
Faculty of Veterinary Medicine
Jordan University of Science and Technology
- 6/1999- 9/1999: Scientist
Department of Clinical and Population Sciences
College of Veterinary Medicine, University of Minnesota.
- 6/1996 – 6/1999 Resident Large Animal Theriogenology
Large animal Hospital
College of Veterinary Medicine, University of Minnesota.
- 7/ 1992 -4/1993: Private Veterinary Clinic.
Irbid-Jordan

Honors and Awards

- 2010 Fulbright post doctoral scholarship. One year sabbatical leave at the Gluck Equine Research Center
- 2009 Arab Organization for Agricultural Development Award of the Science Innovation (3rd place). Husein, MQ, **Ababneh M.M.** (2008): A new strategy for superior reproductive performance of ewes bred out-of-season utilizing progestagen supplement prior to withdrawal of intravaginal pessaries . **Theriogenology**, **69(3)** 376-383.
- 2001 Distinguished research award, The Deanship of research, Jordan University of Science and technology. Comparison of subcutaneous and conjunctival routes of Rev-1 vaccination for the prophylaxis of *Brucella melitensis*

infection in sheep

- 1994** Scholarship from Jordan University of Science and technology to pursue higher education at University of Minnesota in the field of Theriogenology 1994.
- 1992** Minister of Higher Education Student honor award for the second ranking student, College of Veterinary Medicine. University of Baghdad.

Professional Organization Memberships

- 1999 American College of Theriogenologists
- 1992 Jordanian Veterinary Association

Teaching Experience.

- 1996-1999** Teaching assistant in Theriogenology
University of Minnesota
Veterinary obstetrics laboratory,
Dairy palpation rotations
Equine palpation rotations
- 2000- Present** Assistant and Associate Professor and Theriogenology Section Coordinator
Jordan University of Science and Technology
Clinical and didactic teaching in the DVM curriculum.
DVM Students
Food animal Theriogenology (Theriogenology I)
Companion Animal Theriogenology (Theriogenology II)
Clinical rotations in Theriogenology
Master Students
Advanced Theriogenology
Fertility and infertility
Artificial Insemination and Hormones
Companion Animal Theriogenology (Theriogenology II)
Clinical rotations in Advanced Theriogenology

Graduate program activities:

- Number of graduate students advised to completion since 2000: 7 MS
Number of graduate students examination committees served on since 2001: 7 MS

Master students in Theriogeneology

Major Advisor

- Hasan Alomari:** August 2001:
Endocrinological study of sub-fertility in Awassi Rams in Jordan
Thesis title
- Shaker Adohni** Thesis August 2001
title: Some studies on infectious causes of cattle infertility in Jordan

Tamrat Degefa Geleto: Thesis title	January 2003 Postpartum uterine involution in goat in Jordan
Abd Alrahman Altellawi: Thesis title	June 2006 Cold equine semen preservation in electrolyte free solution.
Ibrahim Naser Obiedat Thesis title	May 2007 Role of bull exposure at the time of artificial insemination on oxytocin levels and pregnancy rates in dairy cows.
Huthaifa S. Ababneh: Thesis title	December 2008 Expression and localization of cystolic phospholipase A2 during the estrous cycle and pregnancy in horses.
Anas Omar:	May 2012 Comparison of follicular fluid composition from repeat breeder cows and fertile postpartum.
Saed Manasrah Thesis title	July, 2012 Effect of equine chorionic gonadotropin administration on amino acids and steroid hormones concentrations in follicular fluid of repeat breeder cows
Co-advisor Sana Miloud Hireche Thesis Title	April 2009 Prevalence and Risk Factors Associated with Bovine Viral Diarrhea Virus Infection in Dairy herds in Jordan

Graduate Students Examination Committees:

- Ahmad I. Shamoun. MS Animal Production. Thesis title: Effect of Different Hormonal Treatments for Synchronizing Estrus on Fertility of Lactating Dairy Cows (April, 2010).
- Isam Al-Shorman. MS Animal Production. Thesis title: The effect of breeding time and vaginal pH on sex determination in sheep. (May, 2008).
- Dia Abu-Ruman. MS Animal Production. Thesis title: A comparison between a 4-day and a 12-day Fluorogestone acetate treatment with or without eCG on reproductive performance of ewes bred out-of-season (January, 2006).
- Jomana Fawzi Adel Hijazi. MS Animal Production. Thesis title: Effect of progesterone treatment post-mating on pregnancy rate of Awassi ewes synchronized using CIDR-G (August, 2004).
- Jaffar Shahir Issa. MS Animal Production. Thesis title: Effect of progesterone and dopamine agonist (bromocriptine) on reproductive responses of Awassi ewes (April, 2004).
- Ghied Al Rabadi. MS Animal Production. Thesis title: Time of ovulation in progesterone-primed or non-primed Awassi ewes synchronized using GnRH-PGF2 α with or without royal Jelly (January, 2003).
- Hassan Ghozlan. MS Animal Production. Thesis title: Effect of royal jelly on duration of estrus and endocrine responses of Awassi ewes synchronized using CIDR-G with or without PMSG (January, 2003).

Summary of Key Research Techniques

- Hormonal analysis (Radioimmunoassay and ELISA)
- Expertise in molecular biology and protein studies
- Artificial insemination in domestic animal
- Transcervical and Laparoscopic AI in sheep
- Transvaginal Follicular Aspiration in Cattle and Horses

Professional Service Activities

Clinical Service Activities

- a. Description of Service activity:
 - i. Clinical and didactic teaching in the DVM curriculum.
 - ii. Routine herd health of the university dairy and sheep farm, management of the breeding programs and emergency duty.
 - iii. Provide referral for all Theriogenology cases. Referral cases include obstetrics, routine pregnancy exam and evaluation, investigation for fertility problems in male and female animals, sterility and assessment high-risk pregnancies.
 - iv. Veterinary care for Theriogenology cases admitted to the Veterinary Health Center, clinical services include consultation on theriogenology cases with practitioners and owners and participation in routine herd health visits to local dairy and horse farms.
- b. Theriogenology Case loads.
 - i. During my time as theriogenologists (1999-2014). The Veterinary Health Center (Theriogenology section) caseload has increased significantly generating over one third of the Veterinary Health Center Revenues second to surgery.

Other Activities:

Member of the Faculty of Veterinary Medicine council, 2000-2002, 2009-2010, 2012

Member of the Department of Clinical Veterinary Sciences council, 2000- Present

Library Committee

Faculty of Veterinary Medicine, 2003, 2009.

Graduate Studies Committee

Faculty of Veterinary Medicine, 2001, 2009, 2012

Department of Clinical Veterinary Sciences, 2003, 2009-2010, 2012.

Research Committee

Faculty of Veterinary Medicine, 2001, 2004, 2012

Department of Clinical Veterinary Sciences, 2001-2004, 2009-2010, 2012.

Workshops and Continuing Education for Veterinarians

- a. - **Workshop for Veterinarians 2002.**
Lecture to veterinarians: Perinatal mortality and Dystocia in domestic animals.
- b. **The first international workshop on goat health and production, Irbid – Jordan 8-12-September 2002.**
Lecture entitled Reproductive management of the Goat.
- c. **Brucella workshop, Amman –Jordan 8-12-September 2003. Organized by the Arabic foundation for agricultural development.**
Lecture: Economical impact of small ruminant brucellosis".
- d. **Artificial insemination in cattle workshop to Veterinarians, JUST, June 2004, July 2007, July 2008, and July 2009.**
Lectures: Handling of frozen semen. Hormonal control of the estrous cycle in cattle.
Practical: Artificial insemination in cattle using the recto-vaginal technique.
- e. **Artificial insemination in sheep Workshop: Train the trainers July 2005.**
Train the instructors and faculty members at Assuit University in Artificial insemination techniques (trans-cervical AI) in sheep.
- f. **Artificial insemination in sheep Workshop for Veterinarians, Assuit University/ Egypt: November 2006;**
Lectures and wet lab demonstration to veterinarians.
Lectures to veterinarians: Hormonal control of the estrous cycle.
Practical: 1- Semen collection and handling
2- Artificial insemination in sheep using the trans-cervical technique
- g. **Artificial insemination in Horses workshop for Veterinarians, JUST, February 2008.**
Lecture, reproductive exam of the mare and stallion.
Wet lab demonstration and hands on semen collection and handling, artificial insemination and shipment of semen.
- h. **Workshop on Three Day Sickness 2009:**
Lecture: Ephemeral Fever: Effect on Reproduction.
- i. **Applied Reproductive techniques with emphasis on ultrasonography workshop, JUST, 19th October- 2nd November, 2009.** Role: Organization of the Workshop. Lecture and wet labs on: Embryo transfer in cattle, reproductive Ultrasonography in Ruminants Hormonal control of the estrous cycle in cattle. Handling of frozen semen and artificial insemination in cattle and sheep
- j. **Training course "Using of crop residues & By-products in Animal Feeding Formulas" National Center For Agricultural Research And Extension (NCARE) Supported by the Arab Bank for Economic Development in Africa 2/10/2011-23/10/2011: Role Lectures: 1- Impact of Nutrition on Dairy Cattle**

Reproduction 2- Effect of the Use of By Products on Fertility “Food that damages, Food That heals ”.

- k. **Training course "Ultrasonography in bovine reproduction" National Center For Agricultural Research And Extension (NCARE) Supported by the FAO 20-24/5/2012:** Role: designed the workshop and delivered the Lectures and practical sections.
- l. **Training course "Male and Female Reproductive System and Artificial Insemination in farm animals" National Center For Agricultural Research And Extension (NCARE) Supported by the FAO 9-20/9/2012:** Role: designed the workshop and delivered the Lectures and practical sections.
- m. **Biosecurity in animal farms.** Role designing the course and lectures concentrating on practical specific biosecurity programs for dairy herds and visiting farms. This course has been designed to help raise the profile of this important subject for the veterinarians working at the ministry of agriculture.
- n. **Artificial insemination in Horses workshop for Veterinarians, JUST, June 2014.** Role: Lecture, reproductive exam of the mare and stallion. Lectures and Wet lab demonstration and hands on semen collection and handling, artificial insemination and shipment of semen.
- o. **Embryo transfer in Horses workshop for Veterinarians, JUST, August 2014. 2016.**
Role: Lecture, Reproductive physiology and estrous synchronization in the mare. Factors affecting the success in embryo transfer. Lectures and Wet lab demonstration and hands on mare examination, embryo collection and evaluation. Cooling and transfer of equine embryos.

Seminars

Scientific Jordanian Meetings

a)- Jordanian Veterinary Association

Annual Scientific Conference 2016: Role of veterinarian in animal health, human health and animal welfare

Annual Scientific Conference (Zarqa branch) 2010:

Annual Scientific Conference 2009: The Problem mare

Annual Scientific Conference 2007: Placentitis in horses

Annual Scientific Conference 2006 (Irbid branch): Selective reproductive problems in cattle

Consultations

Ezzain Arabian Stud/ Kuwait. 2007.

Establishment of laboratory for freezing equine Semen and training of staff on semen collection, evaluation and freezing.

Arafat Mousa Dairy Farm (2008-2009)

Veterinary Supervision: Reproductive management.

Tilad Animal Laboratory/ Saudi Arabia (2011)

Consultation for the establishment of Artificial Insemination center and Embryo Transfer in horses and Camels

Alkhyrate Dairy farm/ (2014, 2016)

Consultation and freezing semen of Wagyu bulls

Hijazi and Ghosaha (2014)

Freezing semen of Awassi rams for exportation out side Jordan.

Reviewer

Theriogenology
The Arab Journal for Arid Environment
Jordan Journal of Agricultural Sciences (JJAS)
Jordan Journal of Biological Sciences (JJBS)
International Journal of Veterinary Medicine: Research & Reports
Journal of Veterinary Medicine and Animal Health
Journal of Applied Animal Research
Sokoto Journal of Veterinary Sciences
Reviewer for first international conference on sheep and goat diseases and productivity, 1999

Grants and funds:

Internal grants:

Endocrinological study in subfertility in Awassi rams in Jordan. 2000-2001.

Prevalence of trichomoniasis in northern –middle part of Jordan. 2000-2001.

Comparison of subcutaneous and conjunctival routes of Rev-1 vaccination for the prophylaxis of brucella melitensis infection in sheep. 2001-2003.

Ultrasonographic and bacteriological study of postpartum uterine involution in local breed of goats in Jordan. 2002-2003.

Oxidative stress status and lipase activity during liquid preservation of buck semen 2003.

Effects of bovine somatotopin on pregnancy rates and hormonal profile in Awasi sheep 2004.

Role of bull exposure at the time of artificial insemination on oxytocin levels and pregnancy rates in dairy cows 2005

Vascular Endothelial Growth Factor Concentrations in Follicular Fluid of Repeat Breeder Dairy Cows 2007

Expression of endometrial cytosolic phospholipase A2 during the estrous cycle and early pregnancy in horses 2007

Expression of oxytocin receptor in the equine endometrium during the estrous cycle and early pregnancy 2009

External grants and funds:

Identification and remedies of constraints in Dairy Herd Health and Productivity in Jordan; 2000 (30,000JD): The Jordan Scientific Research Fund:
Role: Co-researcher

Uterine involution in Balady goats in Jordan. 2001-2003, (9,500US\$).
Role: Principle investigator

Perez-Guerrero Trust fund for economic and technical cooperation among developing member countries of the group of 77.
Project title: Improving Awassi sheep productivity by using frozen semen in Jordan, Egypt and Palestinian authority. March 2002-March 2004. 110,000US\$
Role: Co- researcher

Center for Artificial Insemination for cattle, Jordan University of Science and Technology, September 2000- 2004. Irbid/Jordan (90,000JD).
Role : Co researcher and Director of the center.

Embryo transfer in Shami goats. Higher Council for science and Technology. 2008-2009, (7,500JD).

Embryo transfer in cattle. Higher Council for science and Technology. 2010, (15,500JD).

Refereed Publications

1. Moussa Zongo, Boureima Traoré, Mohammed Mahmoud Ababneh, Christian Hanzen, Laya Sawadogo (2015). Ultrasonographic assessment of uterine involution and ovarian activity in West Africa Sahelian goat. *Journal of Veterinary Medicine and Animal Health* 7(2) 71-76. DOI: 10.5897/JVMAH2014. 0322
2. AQ Talafha, MM Ababneh, MS Khaleifeh, AM Al-Majali,. (2015) Effect of intravaginal fluorogestone acetate estrus synchronization program on prolactin levels of Damascus-local cross breed goat during transitional period to anestrus.

Tropical Animal Health and Production. 47 (2), 277-283. DOI 10.1007/s11250-014-0716-0 .

3. Moussa Zongo, Maria Teresa Pellicer-Rubio, Hamidou Boly, Mohammed Mahmoud Ababneh, Drissa Sanou, Raymond Belemtougri, Laya Sawadogo (2014). Évaluation de la technique de sexage et de foetometrie par échographie chez la chèvre du sahel. **International Journal of biological and Chemical Sciences** 8(6) 2516-2522.
4. Ababneh H, Ababneh MMK, Hananeh W, Alsheyab F, Jawasreh K, Al- Gharaibeh M and **Ababneh MM.** (2014) Molecular identification of Chlamydial cause of abortion in small ruminants in Jordan. *Tropical Animal Health and Production* DOI 10.1007/s11250-014-0654-x. 46 (8), 1407-1412
5. M Zongo, I Traoré, W Pitala, H Boly, D Sanou, **MM Ababneh**, R Belemtougri, L Sawadogo. Estimation du poids du fœtus de la chèvre sahélienne à partir des mesures échographiques des paramètres foetaux(2014). *Canadian Journal of Animal Science*, 94 (3): 437-443, 10.4141/cjas-2014-050
6. Mufeed Alnimer, **Mohammed M. Ababneh** (2014). Effect of estrous expression prior to Cosynch protocol on reproductive efficiency of lactating dairy cows. **Livestock Science** 163, 172–180, DOI: 10.1016/j.livsci.2014.02.017
7. Mohamed Ayoub, Mohammad J. Tabbaa, Mufeed Alnimer, **Mohammed M. Ababneh** (2013).. Comparison of Plasma Testosterone, Thyroid Levels, and Semen Characteristics of Local and Cross of Improved Awassi Strains in Jordan. Accepted for publication . **J. Fac. Vet. Med. Istanbul Univ.** 39(1), 103-112
8. **Ababneh MM.**, Troedsson MHT. Ovarian Steroid Regulation of Endometrial Phospholipase A2 Isoforms in Horses. **Reproduction in Domestic Animals** 2013; 48(2): 311–316. doi: 10.1111/j.1439-0531.2012.02151.x,
9. **Ababneh M M.**, Obiedat, I N, Husein MQ, Talafha, AQ (2013): Effect of acute bull-exposure at the time of artificial insemination on oxytocin and progesterone concentrations and pregnancy rates in dairy cows. **Reproduction in Domestic Animals** 2013 , 48, (2), 223–230 doi: 10.1111/j.1439-0531.2012.02136.x
10. **Ababneh MM.**, Troedsson MHT(2013). Endometrial Phospholipase A2 Activity during the Estrous Cycle and Early Pregnancy in Mares. **Reproduction in Domestic Animals** 48 (1), pp. 46-52, doi: 10.1111/j.1439-0531.2012.02023.x
11. Abdelsalam Q. Talafha, **Mohammed M. Ababneh**, Mustafa M. Ababneh, Ahmad M. Al-Majali (2012) Prevalence and risk factors associated with Chlamydia abortus infection in dairy herds in Jordan. **Tropical Animal Health and Production** 2012 Dec;44(8):1841-6 DOI 10.1007/s11250-012-0146-9.
12. AL-Omari, H. Y., **Ababneh, M.M.**, Husein, M.Q. (2012). Endocrine Challenge Tests for Fertility Assessment in Awassi Rams in Jordan. **Jordan Journal of Agricultural Sciences** Vol 8, No 2 ,166-179

13. M.A. Alnimer, A.A. Alfataftah, **M.M. Ababneh** (2011): A comparison of fertility with a Cosynch protocol versus a modified Ovsynch protocol which included estradiol in lactating dairy cows during the summer season in Jordan. **Animal Reproduction** v.8 (1/2), 32-39.
14. A. Q. Talafha, **M. M. Ababneh** (2011): Awassi sheep reproduction and milk production: Review. **Tropical animal health and production** 43:1319-1326
15. **Ababneh, M.M.**, Ababneh, H., Shidaifat, F. (2011): Expression of Cytosolic Phospholipase A2 in Equine Endometrium during the Oestrous Cycle and Early Pregnancy. **Reproduction in Domestic Animals** 46 (2), pp. 268-274
16. Ahmad M. Al-Majali, Abdelsalam Q. Talafha, Mustafa M. Ababneh and **Mohammed M. Ababneh** (2009): Seroprevalence of, and risk factors for, brucellosis in cattle in Jordan. **Journal of veterianry Medicine** 10(1), 61- 65
17. Alnimer, M. A., M. J. Tabbaa, **M. M. Ababneh**, and W. F. Lubbadah. 2009. Applying variations of the ovsynch protocol at the middle of the estrus cycle on reproductive performance of lactating dairy cows during summer and winter. **Theriogenology** 72, (5): 731-740.
18. Talafha, A.Q., Hirche, S. M., Ababneh M. M, Al-Majali A. M., and **Ababneh M. M.** (2009): Prevalence and risk factors associated with bovine viral diarrrhea virus infection in dairy herds in Jordan. **Tropical Animal Health and Production** 41(4): **499-506**
19. Talafha, A. Q., Lafi, S. Q., and **Ababneh M. M.** (2009): The effect of estrus synchronization treatments on somatic cell count of transitional-anestrus Awassi ewes' milk. **Tropical Animal Health and Production** 41:161-170
20. Talafha, A. Q. Lafi, S. Q., and **Ababneh M. M.** (2008): The effect of estrus synchronization treatment on somatic cell count of transitional-anestrus local-Damascus cross breed goats' milk. **Tropical Animal Health and Production** 40 (3) **185-192**
21. Husein, MQ, **Ababneh M.M.** (2008): A new strategy for superior reproductive performance of ewes bred out-of-season utilizing progestagen supplement prior to withdrawal of intravaginal pessaries . **Theriogenology**, 69(3) **376-383**
22. **Ababneh M.M.**, Husein, MQ, Alnimer, MA (2007): Effect of progesterone supplementation in repeat breeder cattle on pregnancy rates and plasma progesterone. **Asian Australasian Journal of Animal Science** 20(11)**1670-1676.**
23. Husein, M.Q., **M.M. Ababneh**, J.F. Hijazi (2007) The Effect of Post-Mating Progesterone Supplement on Pregnancy and Lambing Rates of Ewes Bred Out-of-season **American Journal of Animal and Veterinary Sciences** 2(3): **55-61.**
24. Husein, M.Q., **M.M. Ababneh**, D.S. Abu-Ruman (2007) The Effects of Short or Long Term FGA Treatment with or without eCG on Reproductive Performance of Ewes Bred Out-of-season. **American Journal of Animal and Veterinary Sciences** 2(1): **23-28.**

25. Bani Ismail, Z. A. and **M. M. Ababneh** (2007) Penile hematoma in a Shami buck. **Can Vet J. 2007; 48(4): 433–434.**
26. Al-Majali, A. M., **M.M. Ababneh**, M. Shorman and M. Saeed, (2007) Interaction of Escherichia coli heat-stable enterotoxin (STa) with its putative receptor on the intestinal tract of newborn kids. **FEMS Immunology and Medical Microbiology 49(1): 35-40.**
27. **Ababneh M.M.**, and Tamrat Degefa (2006): Bacteriological findings and hormonal profiles in postpartum goats. **Reproduction in Domestic Animals 41(1)-12-16.**
28. Tamrat Degefa, **Ababneh M.M**, and M. F. Moustafa (2006): Uterine Involution in the Postpartum Balady goats. **Veterinarski Arhiv 76 (2), 119-133**
29. Husein MQ, **Ababneh, MM**, and Haddad,SG, 2005: The effects of progesterone priming on reproductive performance of GnRH-PGF2a –treated anestrus goats. **Reproduction Nutrition Development, 2005, 45, PP.689-698**
30. **Ababneh M.M**, and Tamrat Degefa (2005): Ultrasonic assessment of puerperal uterine involution in goats. **Journal of Veterinary Medicine A 52, pp 244-248.**
31. A.EL-Din Zain; **M.M. Ababneh** and M. A. AL-Ashram (2003): Level of antioxidant activities in seminal plasma and its relation to ram breed. **Assuit Veterinary Medical Journal 49, no 99, pp228-237**
32. A. EI-Din Zain and **M. M. Ababneh** (2002): Comparative efficacy of different intrauterine therapies on reproductive performance in dairy cows affected with endometritis. **Assuit Veterinary medical Journal 48 (95) 138-152**
33. Troedsson MHT, **Ababneh MM**, Ohlgren AF, Madill S, Vetscher N, and Gregas, M.20001: Effect of Perioovulatory Prostaglandin F2 α on Pregnancy Rates and Luteal Function in the Mare. **Theriogenology 55 (9):1891-1899**
34. **Ababneh M.M.**, Troedsson MHT, Seguin BE and Mickelson JR 2000: Characterization of equine conceptus prostaglandin inhibitory factor (PIF). **Journal of Reproduction Fertility Supplement 56, 607-613.**
35. Bailey, M.T., S.A. Christman, J.E. Wheaton, M.H.T. Troedsson, T.D. O'Brien, **M.M. Ababneh** and E. Santschi. 2000. Inhibin localisation in equine granulosa-theca cell tumours and inhibin forms in tumour fluid. **Journal of Reproduction Fertility Supplement 56, 247-255**
36. Christman, S.A., M.T. Bailey, J.E. Wheaton, M.H.T. Troedsson, **M.M. Ababneh** and E. Santschi. 1999. Dimeric inhibin concentrations in mares with granulosa-theca cell tumors. **American Journal of Veterinary Research 60 (11):1407-1410.**
37. Husein, M.Q., M.T. Bailey, **M.M. Ababneh**, J.E. Romano, B.G. Crabo and J.E. Wheaton. 1997. Effect of eCG on the pregnancy rate of ewes transcervically inseminated with frozen-thawed semen outside the breeding season. **Theriogenology 49: 997-1005.**

38. Husein, M.Q., J.E. Romano, M.T. Bailey, **M.M. Ababneh**, B.G. Crabo, R.W. Godfrey, W.A. Head and J.E. Wheaton. 1998. Estrous synchronization and pregnancy rate of transcervically inseminated ewes during the breeding season. **Sheep & Goat Research Journal 14:148-152.**
39. Husein, M. Q., **Ababneh, M. M.**, Crabo, B. G. and Wheaton, J. E. 1996. Out-of-season breeding of ewes using transcervical artificial insemination. **Sheep and Goats Research Journal. 12: 39-45.**

Conferences

1. **Mohammed Ababneh, Havemeyer Foundation Workshop on Maternal Recognition of Pregnancy in the Mare.** January, 1997 - Dominican Republic
2. **Ababneh M.M.**, Troedsson MHT, Seguin BE and Mickelson JR (1998): Characterization of equine conceptus prostaglandin inhibitory factor (PIF). **International Symposium on Equine Reproduction VII, South Africa.**
3. **Ababneh MM, Husein, MQ, Alnimer, MA (2004):** Effect of progesterone supplementation in repeat breeder cattle on pregnancy rates and plasma progesterone. **2nd international conference on ruminant disease. College of Veterinary Medicine, Al-Baath University. Hama Syria December 2004.**
4. **Ababneh M.M. Husein MQ and Mahmoud K.** Effect of Recombinant Bovine Somatotropin on Pregnancy Rate and Hormonal Profile in Estrous-Synchronized Awassi sheep. **6th International Sheep Veterinary Congress. Hersonissos, Crete, Greece 17th - 21st June 2005.**
5. **Mohammed M. Ababneh, H. Ababneh and F. Shidaifat:** expression of cytosolic phospholipase A2 in equine endometrium. **European Veterinary Conference Voorjaarsdagen 2009.**
6. **Mohammed Ababneh, PhD, DACT and MHT Troedsson, PhD, DACT:** Ovarian steroid regulation of the Prostaglandin generating system in the simulated estrous cycle in ovariectomized mares. **Havemeyer Foundation Workshop on Equine Implantation** October 27-29 2013 Savannah Georgia, USA

BOOK CHAPTERS

Al-Ani , FK and MM Ababneh, (2004) South American Camelids (SAC) in Falah K Al-Ani (ed) Camel Management and diseases (ISBN: 9957-445-00-6). Published by the author.