

**Under the Patronage of
H. H. Sheikh Nahayan Mubarak Al Nahyan
Minister of Higher Education and Scientific Research,
Chancellor of the UAE University**

The College of Food and Agriculture, UAE University and
Municipalities and Agriculture Department, Agricultural Sector
Organize

**First conference of the International Society of Camelids
Research and Development (ISOCARD)**

In cooperation with

- **French Agricultural Research Centre for International Development (CIRAD),
France**
- **The Hassan II Institute of Agronomy and Veterinary Medicine (IAV), Morocco**

**Al-Ain Rotana Hotel
Al-Ain, United Arab Emirates
April 15 – 17, 2006**

Conference Committees

Organizing Committee

Dr. Salih Al-Shorepy, College of Food and Agriculture, UAE University, UAE
Dr. Ibrahim Elshsistawi, College of Food and Agriculture, UAE University, UAE
Dr. Ahmed Hussein, College of Food and Agriculture, UAE University, UAE
Dr. Louis Laleye, College of Food and Agriculture, UAE University, UAE
Dr. Elkhawadh Semsaa, Municipalities and Agriculture Department, Agricultural
Section, Al-Ain, UAE
Mr. Abdelwahed, College of Food and Agriculture, UAE University, UAE
Mr. Adel Alawad, College of Food and Agriculture, UAE University, UAE
Mr. Tarek Attia Ali, College of Food and Agriculture, UAE University, UAE
Mr. Ali Masloup, College of Food and Agriculture, UAE University, UAE
Mr. Hussein Ibrahim, College of Food and Agriculture, UAE University, UAE
Mr. Mahfoudh Bintarash, Public & Cultural Relations Dept., UAUEU

Scientific Committee

Dr. Ghaleb Alhadrami, United Arab Emirates University, United Arab Emirates
Dr. Bernard Faye, CIRAD-EMVT, France
Dr. Mohamed Bengoumi, IAV Hassan II Morocco
Dr. Ahmed Tibary, Washington State University, USA
Dr. Ibrahim Wasfi, Camel Racing Laboratory, United Arab Emirates
Dr. Tariq Mustafa, Municipalities and Agriculture Department, Agricultural Section,
United Arab Emirates
Dr. David Anderson, Ohio State University, USA
Dr. Abdulslam Bakhsh, King Faisal University, Saudi Arabia

**College of Food and Agriculture
United Arab Emirates University**



The College of Food and Agriculture, United Arab Emirates University is pleased to host the First Conference of the International Society of Camelids Research and Development (ISOCARD) and to welcome you to Al Ain.

The College has an important role in teaching and research on the importance of the camel in the 21st century. Every Department in the College is playing its role in advancing knowledge on the national and regional importance of the camel. For example, the nutritional requirements of the camel, especially the unique requirements of racing camels, are studied. College scientists have processed camel milk into a yogurt acceptable to consumers. The nutritional and health qualities of camel milk and meat are studied. Consumer awareness of edible products from the camel is quantified. Economic opportunities arising from the use of the camel in food and non-food products and activities are studied. In short, the College investigates issues related to the camel along its entire food chain, including its production, value-added opportunities, commercial, health, and consumer acceptability.

The College is grateful to H.H. Sheikh Nahayan Mubarak Al Nahayan, Chancellor, United Arab Emirates University for his support. Appreciation is extended to the hard working Organizing and Scientific Committees, and to the French Agricultural Research Centre for International Development (CIRAD) and to IAV Hassan II, Morocco. A special thank you goes to the Municipality and Agriculture Department, Agriculture Sector, Al Ain for their sponsorship.

The College of Food and Agriculture extends a warm welcome to you.

P. Vincent Hegarty
Dean, College of Food and Agriculture
United Arab Emirates University

College of Food and Agriculture Mission



The College of Food and Agriculture, United Arab Emirates University has an important mission. It is the only College in the country with teaching, research and community service programs in all aspects of the food chain (“From Farm to Plate”).

The training of graduates in production agriculture, the processing of food, the distribution and marketing of food and in the safety, nutritive value and health issues of food is an important national need. The commercial success of the production and processing of food within the UAE and the ability of companies to purchase high quality food on international markets depends on well trained professionals. Investment and employment opportunities on farms and on off-farm businesses must be based on the latest information on all aspects on food.

The College’s research programs include work on soil quality, water management, the production of camels, dates, fruit and vegetables, poultry, dairy products, and other foods produced within the country. Research on the processing of these foods into high quality foods that are safe is of commercial importance. The most efficient and effective distribution and marketing of local and imported foods requires research on the latest market trends. Research on the nutritive value and health aspects of food are important in meeting consumer needs and maintaining a high standard of public health.

Community service includes update conferences on all aspects of food. Experts from the University, the UAE and abroad provide the latest information.

In summary, the College provides graduates with expertise in all aspects of food, research information on food and agriculture issues, and community service to the public and private sectors.

Municipalities and Agriculture Department, Agriculture Sector



Farmers and agricultural workers have not been left to fend for themselves or work in isolation since the establishment of the Department of Agriculture in Al Ain in 1966. In fact, the Dept. developed methods using the latest scientific, technical and appropriate planning to manage developing agricultural programs for achieving the best national goals in the region, and offered all available support for that purpose. To achieve this objective the Dept. established agricultural research centers in Al Ain and Salamat with labs, in addition to technical sections to supervise planning implementation in cooperation with the public relations and information section, and agricultural extension stations. The Department had established agricultural marketing for protecting farmers from middlemen, wholesalers and price fluctuations.

The Department is very keen to provide the required animal feed to promote livestock due to its importance. It always strives to guarantee veterinary services to promote animal health through remote and mobile veterinary clinics.

In addition to a veterinary hospital, there is a lab consisting of several units for blood, parasites, biochemistry, anatomical analysis and microbiology for identifying the causes of and treating sickness using the best scientific standards.

In order to encourage locals to develop livestock, particularly camels, which are considered a part of the country's heritage in addition to providing meat, instructions of late President Shiekh Zayed Bin Sultan Al Nahyan gave instructions to establish camel slaughterhouses, one in Al Khazna region and the other in Allabsa region in the Northern Emirates.

**French Agricultural Research Centre for International
Development (CIRAD), France**



French tropical agricultural research was born over a hundred years ago, and really took off once the importance for the national economy of expanding and promoting tropical and intertropical agriculture and agricultural products was acknowledged, some time during the second half of the 20th century. The founding of CIRAD was the culmination of this process. Like all living structures, CIRAD is constantly adapting to changes in the development aid and research sectors. In view of its mandate, it is thus fully committed to ensuring a global balance. Since its creation, CIRAD has been firmly embedded in the history of nine former tropical agricultural research institutes.

- These institutes took over from even older research structures, and were generally non-profit-making.
- They were brought together under an umbrella committee, the Comité de liaison des organismes de recherches agricoles spécialisés outre-mer, in 1958.
- The creation of the Groupement d'étude et de recherche pour le développement de l'agronomie tropicale (GERDAT), an economic interests group, marked a turning point in their relations.
- They were finally grouped together under the CIRAD umbrella in 1984 to form a public-sector industrial and commercial enterprise (EPIC) under the aegis of two French ministries: Research and Cooperation.

Its current development is the fruit of ongoing debate and discussions with its partners, aimed at adapting cooperative operations to the realities of the modern world.

The Hassan II Institute of Agronomy and Veterinary Medicine (IAV)



The Hassan II Institute of Agronomy and Veterinary Medicine (IAV) is the major Moroccan institution of higher education on Agriculture and Natural Resources. It has been created in 1966 and has been assigned three main missions: Education, Research and Contribution to Development (Outreach).

IAV is in charge of agricultural higher education in five areas: agronomy, veterinary medicine, food science and technology, topography, and agricultural engineering. The curricula are composed of three cycles: first, second and third cycles (Msc. level) of two years each. About 2000 students are enrolled yearly in the various training programs; about 250 students at the MSc. level graduate annually. The scientific staff of IAV is composed of 335 faculty members with more than 200 full professors well recognized for their expertise and scientific knowledge.

IAV has an important scientific infrastructure: 30 departments, about 60 laboratories and three experiment stations. Two campuses are operational: the major one is located in Rabat and provides training in the fields of agronomy, veterinary medicine, topography, food science and technology, and agricultural engineering; the second one, on the Agadir campus, is mainly oriented toward horticulture, Plant protection and landscape architecture.

The institute plays a key role in research in the following areas:

- Agriculture
- Animal sciences
- Horticulture
- Food sciences and technology
- Natural resources management
- Veterinary medicine
- Agribusiness
- Water engineering
- Rural construction
- Agricultural machinery
- Topography

The Grand Mills for Flour & Feed Company



The GRAND MLLS FOR FLOUR & FEED COMPANY is located inside the Zayed Port in Abu Dhabi, U.A.E. Since its establishment in 1978, the company has grown to be the largest flourmill and animal feed producer with 60 per cent of the market within the U.A.E. Grand Mills is equipped with the most modern flour and animal feed production machinery with continual upgrading of the plants to meet national and international standards. All production and control stages are computerized for efficiency and the manufacturing of the utmost quality products for our customers.

The new state-of-the-art animal feed and premix plant began production in 2004 has allowed Grand Mills to enter into the vitamin and mineral pre mix, fish feed, and utilization of dates into animal feed throughout the U.A.E. and other Gulf States markets.

Our vision and mission is to be a leading producer of preferred quality flour products, animal feed, and pre mix products for customers throughout the Gulf area.

Vetoquinol



Vetoquinol, a large laboratory with a human face and dedicated to animal health. At Vetoquinol, our passion sets us apart.

Family-owned and independent firm funded in 1933, we are exclusively dedicated to animal health: research & development, manufacturing and trading of veterinary drugs in three key domains: anti-infective drugs, pain management and cardiology / nephrology.

Laboratory ranking 14th worldwide, resolutely close to our customers since present in more than 80 countries, we are making 75% of our turnover outside France, thanks to products that are leaders in their markets, for the species that we know well: dogs and cats of course, but also bovine and ovine, camel.

For veterinarians, for your animals, for you, we are constantly innovating to come closer to our dream: Contributing to develop durably the veterinary art, while respecting animals, man, and nature.

To better know drugs from our range, seek advice from:
Karim Pharmacy, (AL ATHEER VETERINARY DRUGS EST)
AL AIN, U.A.E.

Program Summary

Friday, April 14th, 2006	
17:00 – 20:00	Registration Participants are kindly requested to register at the conference registration desk at the Rotana hotel.
Saturday, April 15th, 2006	
07:30 – 09:30	Registration Registration for late arrivals
10:00 – 10:30	Opening Ceremony <ul style="list-style-type: none"> • Holy Quran. • Address by H. H. Sheikh Nahayan Mabarak Al Nahayan, Minister of Higher Education and Scientific Research, Chancellor of the UAE University.
10:30 – 11:00	Coffee Break
11:00 – 13:30	Session 1 – ISOCARD
13:30 – 15:30	Lunch Break
15:30 – 16:00	Keynote Speaker
16:00 – 18:30	Session 2 - Oral Session (Physiology) Session 3 - Oral Session (Reproduction) Session 4 – Poster Session
Sunday, April 16th, 2006	
08:00 – 10:30	Session 5 - Oral Session (Diseases) Session 6 - Oral Session (Medicine, Surgery and Diseases) Session 7 – Poster Session
10:30 – 11:00	Coffee Break
11:00 – 13:30	Session 8 – Oral Session (Pharmacology) Session 9 – Oral Session (Genetics, nutrition and Production) Session 10 – Poster Session
13:30 – 15:30	Lunch Break
15:30 – 18:00	Session 11 – Oral Session (Dairy) Session 12 – Oral Session (Biology and Anatomy)
Monday, April 17th, 2006	
6:00 – 12:00	Field Trip

Program

Saturday, April 15th, 2006

Session 1: ISOCARD (Time: 11:00 – 13:30)

Chairperson: B. Faye

CIRAD - Campus International de Baillarguet, 34398, Montpellier cedex, France

Room: Zakher A

11:00 – 13:30	Creation of ISOCARD
----------------------	----------------------------

13:30 – 15:30	Lunch Break
----------------------	--------------------

Keynote Speaker: (15:30 – 16:00)

Chairperson: A. Wahab Al-Juboori

Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital Abu
Dhabi, P.O. Box 10829. United Arab Emirates

Room: Zakher A

Time	Abstract #	Title
15:30	(1)	Keynote Speaker: Biotechnological opportunities for dromedary antibodies Serge Muyldermans Vrije Universiteit Brussel, Department of Molecular & Cellular Interactions, VIB, Pleinlaan 2, 1050 Brussels, Belgium svmuyld@vub.ac.be

Saturday, April 15th, 2006

Session 2: Physiology – Oral Session (16:00 – 18:30)

Chairperson: A. Wahab Al-Juboori

Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital Abu Dhabi, P.O. Box 10829. United Arab Emirates

Room: Zakher A

Time	Abstract #	Title
16:00	(2)	Effect of drinking diluted seawater on the physiological performance of camels and goats <u>Mostafa A. Ayoub</u> Suez Canal University, Faculty of Agriculture, Department of Animal Production, Ismailia, Egypt mostafaayoub@hotmail.com
16:15	(3)	Synovial fluid cell counts and total protein concentration in clinically normal fetlock joints of young dromedarian camels <u>Z. Bani Ismail</u> ¹ and R. Al-Rukibat ² Departments of ¹ Veterinary Clinical Sciences; ² Veterinary Pathology and Animal Health, Faculty of Veterinary Medicine, Jordan University of Science and Technology, Irbid 22110, Jordan zuhair72@just.edu.jo
16:30	(4)	Camel caeruloplasmin: purification, characterization and its relationship with serum copper concentrations <u>A. K. Essamadi</u> ¹ M. Bengoumi ² , and B. Faye ³ ¹ Laboratoire de Biochimie et de Neurosciences, Université Hassan 1er, F. S. T. Settat, BP 577 Settat, Morocco ² Laboratoire de Biochimie Clinique, 1. A. V. Hassan II, BP 6202 Rabat-Instituts, Morocco. ³ Programme Productions Animales, CIRAD-EMVT, Campus de Baillarguet, 34032 Montpellier, France. essamadi2002@yahoo.fr
16:45	(5)	Camel superoxide dismutase: partial purification, characterization and its relationship with serum copper and zinc concentrations <u>A. K. Essamadi</u> ¹ M. Bengoumi ² , A. Bagrii ¹ and B. Faye ³ ¹ Laboratoire de Biochimie et de Neurosciences, Université Hassan 1 ^{er} , F. S. T. Settat, BP 577 Settat, Morocco ² Laboratoire de Biochimie Clinique, 1. A. V. Hassan II, BP 6202 Rabat-Instituts, Morocco. ³ Programme Productions Animales, CIRAD-EMVT, Campus de Baillarguet, 34032 Montpellier, France. essamadi2002@yahoo.fr

Saturday, April 15th, 2006

Time	Abstract #	Title
17:00	(6)	Normal cardiovascular dynamics in camels (<i>Camelus dromedaries</i>) SK Sharma¹ and Jit Singh ¹² ¹ Department of Veterinary Surgery and Radiology, College of Veterinary & Animal Sciences, CSK Himachal Pradesh Agril. University, Palampur (HP) 176062 – India ² CCSHAU, Hisar (Haryana)-India sharmask@hillagric.ernet.in
17:15	(7)	Seasonal variation on blood picture and histochemical study of blood cells of the dromedary Nawal, S. O¹ ; D. I. Osman ¹ M. Alhaj Ali ² ¹ Department of Anatomy, Faculty of Veterinary Science, University of Bahar El- Gahzal and University of Khartoum. Sudan ² Private Department of His Highness the President and His Crown Prince. Alain, United Arab Emirates dr_nawalbabiker@yahoo.com
17:30	(8)	Nutritional hyperparathyroidism in two dromedary camels; a case report Anita Varga , Claire E Whitehead, David E Anderson and Fernando Silveira The Ohio State University, Columbus, Ohio, United States of America varga.38@osu.edu
17:40	(9)	Effect of some physical factors on serum levels of calcium, phosphorus and magnesium in camels in Upper Egypt Abd-El-Salam , M. N., A. A. Mottelib, M. N. Ismail, and A. A. Mohammed Faculty of Veterinary Med., Assiut University, Assiut, Egypt vetnagui@yahoo.com
17:50	(10)	Seasonal changes in some hemato-biochemical parameters in mature one humped she-camels in the north-western coast of Egypt M.T. Badawy¹ , H. S. Gawish ¹ , M. A. Khalifa ¹ , F. D. El-Nouty ² and G. A. Hassan ² ¹ Animal and Poultry Production Department, Desert Research Center, Ministry of Agriculture and Land Reclamation. ² Animal Production Department, Faculty of Agriculture, Alexandria University, Egypt.
18:00	(11)	Diurnal and seasonal changes in some adaptive responses of the one humped she-camels in the north-western coast of Egypt F. D. El-Nouty ¹ , G. A. Hassan ¹ , M. A. Khalifa ² , M. T. Badawy ² and H. S. Gawish² ¹ Animal Production Department, Faculty of Agriculture, Alexandria University, Egypt. ² Animal and Poultry Production department, Desert Research Center, Ministry of Agriculture and Land Reclamation
18:10	(12)	Effects of the physical exercise on water and electrolyte metabolism in the dromedary camel M. Bengoumi ¹ , F. Riad² , F. Moutawakil ¹ , M. J. Davicco ³ & V. Coxam ³ ¹ Institut Agronomique et Vétérinaire Hassan II, BP. 6202 Rabt-Instituts, Rabat,- Morocco ² Faculté des Sciences Ben M'Sik, Université Hassan II-Mohammedia, Casablanca Morocco ³ INRA de Theix, 63122 St Genès Champanelles, France. riad_fouad@hotmail.com

Saturday, April 15th, 2006

Time	Abstract #	Title
18:20	(13)	Preliminary studies on electrophoretic separation of alkaline phosphatase and lactate dehydrogenase isoenzymes in dromedary camels <u>J. Iqbal</u> , N. K. Kamat, Abdul Wahab R. Al Juboori, Z. I. Chaudhary and M. Iqbal Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital Abu Dhabi P. O. Box 10829, United Arab Emirates

Saturday, April 15th, 2006

Session 3: Reproduction – Oral Session (16:00 – 18:30)

Chairperson: A. Guerouli

Arab Center for Studies of Arid Zones and Dry Lands (ACSAD)

P. O. Box: 2440, Damascus, Syria

Room: Zakher B

Time	Abstract #	Title
16:00	(14)	Progesterone levels and use of ultrasonography during pregnancy in alpaca (<i>Lama Pacos</i>) Lacalandra G. M. , Bielli M., Guaricci A., Nicassio M., Gugliotta G., Aiudi G. Department of Animal Production, Faculty of Veterinary Medicine, University of Bari, Italy g.lacalandra@veterinaria.uniba.it
16:15	(15)	MU, delta and kappa opioid receptors detected by immunofluorescence on dromedary camel sperm cells Albrizio ¹ M., Guaricci ¹ A. C., Hammadi ² M., Seddik ² M., Moslah ² M., Nicassio ¹ M., Zarrilli ¹ A., Khorchani ² T., Lacalandra¹ G. M. , Minoia ¹ P. ¹ Department of Animal Production, Faculty of Veterinary Medicine, University of Bari, Italy ² Livestock & Wildlife laboratory, Arid Lands Institute, 4119 Medenine, Tunisia g.lacalandra@veterinaria.uniba.it
16:30	(16)	Investigation of the most appropriate time for insemination of female camels (<i>Camelus dromedarius</i>) after GnRH injection and comparison of pregnancy rates after deep intra-uterine versus cervical insemination J. A. Skidmore and M. Billah. Camel Reproduction Centre, P.O. Box 11808, Dubai, United Arab Emirates luluskid@emirates.net.ae
16:45	(17)	In vitro and in vivo developmental competence of dromedary (<i>camelus dromedarius</i>) embryos produced in vitro using three systems of culture KHATIR H. ¹ , ANOUASSI A. ^{1,2} , TIBARY A. ³ ¹ Al Hejen Research Centre, P.O. BOX: 44857. Abu Dhabi, United Arab Emirates ² Institut Agronomique et Vétérinaire Hassan II, Rabat, Morocco. ³ Department of Veterinary Clinical Science & Center for Reproductive Biology Washington State University, Pullman, WA, United States of America khatir67@emirates.net.ae
17:00	(18)	The effect of maternal supplementation of vitamin D on transplacental and transmammary transfer to neonatal llamas and alpacas Claire E Whitehead , David E Anderson and Jeffrey Lakritz The Ohio State University, Columbus, Ohio, USA whitehead.71@osu.edu
17:15	(19)	Premature/dysmature syndrome in crias: a retrospective study of 42 cases (1999-2005) Christian Gerspach , David E Anderson, William JA Saville, Claire E Whitehead Department of Veterinary Clinical Sciences, The Ohio State University, Columbus, Ohio, United States of America gerspach.3@osu.edu

Saturday, April 15th, 2006

Time	Abstract #	Title
17:30	(20)	Effects of hormonal treatments on the histology of the endometrium in the dromedary female (<i>Camelus dromedarius</i>) <u>Sghiri A.</u> , ² Tibary A., ³ Elhamidi M. ¹ Département de Reproduction Animale, Obstétrique et IA. Institut Agronomique et Vétérinaire Hassan II, Rabat-Morocco ³ Histologie et Anatomie Pathologie. Institut Agronomique et Vétérinaire Hassan II, Rabat-Morocco ² College of Veterinary Medicine, Pullman, WSU-United States of America
17:45	(21)	Preliminary development of sperm sexing technology in alpacas (<i>Lama pacos</i>) <u>K. M. Morton</u> , M. Ruckholdt, G. Evans and W. M. C. Maxwell, Centre for Advanced Technologies in Animal Genetics and Reproduction (ReproGen), Faculty of Veterinary Science, The University of Sydney, NSW, 2006, Australia kmorton@vetsci.usyd.edu.au
18:00	(22)	Fertility in endometritic dromedary camels after treatment with stilbestrol under field conditions <u>Z. I. Qurieshi</u> , A. A. Al Jabouri, M. Iqbal, H. H. Abu Kar and S. A. Taleb. Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital P.O. Box 10829. Abu Dhabi. United Arab Emirates
18:10	(23)	Use of ultrasound for follicle examination and early post partum breeding in <i>Camelus dromedarius</i> <u>Sumant Vyas</u> , Aminu Deen and M. S. Sahani National Research Centre on Camel, P.B. No. 07, Bikaner- 334 001 India sumantv@scientst.com
18:20	(24)	Pregnancy wastage and incidence of gross reproductive abnormalities in camels slaughtered at Kano abattoir, Nigeria <u>D. J. U. Kalla</u> ¹ , S. T.Mbap ¹ , I. S. R.Butswat ¹ and A. C. Kudi ² ¹ Animal Production Programme, Abubakar Tafawa Balewa University P.M.B. 0248 Bauchi, Postcode 740001. Nigeria. ² Faculty of Science, School of Biological Sciences University of Plymouth .Drake Circus, Plymouth .Devon P L 4 8AA United Kingdom demokalla71@yahoo.com

Saturday, April 15th, 2006

Session 4: Poster Session (16:00 – 18:30)

Chairperson: A. Hussein

Aridland Agriculture Department, College of Food and Agriculture, UAE University,
Al-Ain, United Arab Emirates

Room: Zakher C

Abstract #	Title
(25)	Flow cytometry for the follow-up of trypanosoma spp. Infections Antoine-Moussiaux N^{1,2} , Leroy M. ² , Faisca P ² , Desmecht D ² ¹ Tropical Veterinary Institute, University of Liege, Belgium ² Dept of Animal Pathology, University of Liege, Belgium nantoine@ulg.ac.be
(26)	A good milking camel udder C. E. A. Albrecht and Georg August University, Göttingen, Germany archiebaba@web.de
(27)	Zepp's operation in a camel T. K. Gahlot Department of Veterinary Surgery and Radiology, College of Veterinary and Animal Science, Bikaner 334001 India tkedjpr@datainfosys.net
(28)	Ruminal impaction in camels: clinical and histopathological study D. Suchitra Sena , Gorakh Mal, M. S. Sahani National Research Centre on Camel, P.B. No:07, Jorbeer, Bikaner-334001, Rajasthan, India senamal_26@yahoo.co.in
(29)	Parathyroid hormone related peptide stimulates intestinal strontium absorption in Camels. M. EL Khasmi¹ , F. Riad ¹ , A. Safwate ¹ , M. Farh ¹ , M.J. Davicco ² , V. Coxam ² et B. Faye ³ ¹ Equipe: Hormones et métabolisme, Université Hassan II-Mohammedia, Faculté des Sciences Ben M'Sik, casablanca, Morocco ² Inra Clermont-Theix, France ³ cirad-emvt, Montpellier, France elkhasmi_mohammed@hotmail.com
(30)	Postnatal hormonal profile of bone metabolism in Camels M. EL Khasmi¹ , F. Riad ¹ , A. Safwate ¹ , M. Farh ¹ , M.J. Davicco ² , V. Coxam ² et B. Faye ³ ¹ Equipe: Hormones et métabolisme, Université Hassan II-Mohammedia, Faculté des Sciences Ben M'Sik, casablanca, Morocco ² Inra Clermont-Theix, France ³ cirad-emvt, Montpellier, France elkhasmi_mohammed@hotmail.com

Saturday, April 15th, 2006

Abstract #	Title
(31)	<p>Plasma 1,25 (OH) 2D concentrations at the lactating camels and the influence of parathyroid hormone-related protein on mammary secretion of calcium F. Riad¹, M. El Khasmi¹, M. Bengoumi², A. Safwate¹, M. Farh¹, M.J. Davicco³, V. Coxam³ and B. Faye⁴ ¹Université Hassan II-Mohammedia, Faculté des Sciences Ben M'Sik, casablanca, Morocco ²IAV Hassan II, Rabat, Morocco ³INRA Clermont-Theix, France ⁴CIRAD-EMVT, Montpellier, France riad_fouad@hotmail.com</p>
(32)	<p>Magnetic resonance imaging and cross sectional anatomy of the cranioencephalic structures of the newborn dromedary camel Arencibia A¹, Rivero M A¹, Ramírez J A¹, Vázquez J M², López- Albors O², De Miguel A¹, Corbera J A³, Gutierrez C³ ¹Veterinary Faculty, University of Las Palmas, Canary Islands (Spain). ²Department of Anatomy, Faculty of Veterinary Science, University of Murcia, Spain cgutierrez@dpat.ulpgc.es</p>
(33)	<p>Ear configuration as a tool for identification and age determination in camel fetuses Manal Abdel-latif¹, Eman Ez-aldawla sharkawy¹, Abdel moneim, M² ¹Dept. of Forensic Medicine and Toxicology, Faculty of Vet. Med., Assiut University, Egypt ²Dept of Anatomy and Histology, Fac. of Vet. Med., Assiut University, Egypt latiff_60@yahoo.com</p>
(34)	<p>Paraphymosis due to prolapse of prepuce in a camel (<i>Camelus dromedarius</i>) P. Bishnoi and T. K. Gahlot Department of Surgery and Radiology College of Veterinary and Animal Science Rajasthan Agricultural University, Bikaner, 334001 INDIA drpbishnoi@rediffmail.com</p>
(35)	<p>Evaluation of trypanocidal activity of aristolochia bracteolata extract against experimental trypanosoma evansi infection Samia, H. A. Rahman¹; Khalid, H. S² and Elmalik, K. H³ ¹Department of Biochemistry, Nutrition and Toxicology. Central Veterinary Research Laboratory. P.O Box 8067 Alamarat. Khartoum Sudan. ²Department of Preventive Medicine, University of Khartoum. ³Department of Phytochemistry, Medicinal and Aromatic Plants Research institute. Samiah11@hotmail.com</p>
(36)	<p>Gangrenous mastitis in a camel (<i>Camelus dromedarius</i>) S. K. Jhirwal, P. Bishnoi and T. K. Gahlot Department of Surgery & Radiology, College of Veterinary & Animal science, Rajasthan Agricultural University, Bikaner (INDIA) -334001 drjhirwalsk@yahoo.co.in</p>
(37)	<p>Hydrocortisone in race camels: a threshold I. A. Wasfi, Salma A Alhanaei, Asmaa M K Eltoun, Nasreen A Al Briki and S. A. Wajid Camel racing Laboratory, Forensic Science Laboratory, P. O. Box 253, Abu Dhabi, United Arab Emirates iawasfi@emirates.net.ae</p>

Saturday, April 15th, 2006

Abstract #	Title
(38)	Western immunoblotting as a mean of predicting drug clearance in camels <u>N. A. Al Katheeri</u> and I. A. Wasfi Camel racing Laboratory, Forensic Science Laboratory, P. O. Box 253, Abu Dhabi, United Arab Emirates iawasfi@emirates.net.ae

Sunday, April 16th, 2006

Session 5: Diseases – Oral Session (08:00 – 10:30)

Chairperson: J. Skidmore

Camel Reproduction Centre, P.O. Box 11808, Dubai, United Arab Emirates

Room: Zakher A

Time	Abstract #	Title
08:00	(39)	Camel tuberculosis in the UAE – reoccurring after 20 years J. Kinne¹ , B. Johnson ¹ , A.Ul-Haq ² and U. Wernery ¹ ¹ Central Veterinary Research Laboratory, P.O. Box 597, Dubai, UAE ² Dubai Camel Hospital, P.O. Box 9220, Dubai, United Arab Emirates jkinne@cvrl.ae
08:10	(40)	Seroepidemiology of camel brucellosis in Jordan Ahmad M. Al-Majali Department of Veterinary Clinical Sciences, Faculty of Veterinary Medicine, Jordan University of Science and Technology, P. O. Box 3030, Irbid 22110, Jordan almajali@just.edu.jo
08:20	(41)	<i>Klebsiella pneumoniae sp. pneumoniae</i> as a cause of septicaemia in camel calves up to three months of age in Northern Kenya I.V. Gluecks^{1,5} , M.K. Younan ² , R. Podschun. ³ , S. Bornstein ⁴ , W. Mueller ⁵ ¹ Vétérinaires Sans Frontières Suisse, Nairobi, Kenya ² Vétérinaires Sans Frontières Germany, Nairobi, Kenya ³ Department of Medical Microbiology and Virology, University of Kiel, Kiel, Germany ⁴ Department of Parasitology (SWEPAR), National Veterinary Institute and Swedish University of Agricultural Sciences, Uppsala, Sweden ⁵ Institute of Animal and Environmental Hygiene, Freie Universität Berlin, Berlin, Germany igluecks@vsfsuisse.org
08:30	(42)	<i>In Vitro</i> activity of some antimicrobial agents against bacterial pathogens isolated from pneumonic lungs of the camel (<i>Camelus dromedarius</i>) Y. Al-Tarazi and H. Elsheikh Department of Basic veterinary Medical Sciences, Faculty of Veterinary Medicine, Jordan University of Science and technology, P.O. Box 3030, Irbid 22110, Jordan. tarazi@just.edu.jo
08:40	(43)	Progress in research on viral diseases of camels. isolation of group a rota virus Ali, Y.H ¹ , Khalafalla A.I² , Gaffar M.E ¹ , Peenze I. ³ , Steele A.D. ³ Virology Department, Central Veterinary Research Laboratories, P.O. Box 8067, Khartoum, Sudan Camel Research Centre, Faculty of Veterinary Medicine, University of Khartoum, Shambat, 13314 Khartoum North, Sudan ³ MRC Diarrheal Pathogens Research Unit, MEDUNSA, Pretoria, South Africa Khalafimports@mail2world.com
08:50	(44)	Bacterial infections of the upper respiratory tract in dromedary camels N. K. Kamat , J. Iqbal and A. A.Yass Al-Juboori Animal Wealth Department/ Sector of Agricultur/Central Veterinary Laboratory-Abu Dhabi P.O. Box 10829. United Arab Emirates drnbadry@yahoo.com

Sunday, April 16th, 2006

Time	Abstract #	Title
09:00	(45)	<p>Notes on the epidemiology and genetics of pyogenic streptococci in East African camels (<i>Camelus dromedarius</i>) M. Younan¹, Ch. Laemmler², R. Bishop³ and S. Bornstein⁴ ¹Vétérinaires sans Frontières Germany, P.O. Box 25653, 00603 Nairobi, Kenya ²Justus-Liebig University Giessen, Frankfurterstr. 107, 35392 Giessen, Germany ³International Livestock Research Institute (ILRI), P. O. Box 30709, 00100 Nairobi, Kenya ⁴National Veterinary Institute, SE-75189 Uppsala, Sweden younan@vsfg.org</p>
09:10	(46)	<p>Skin abscesses in the dromedary camel M. Bengoumi, A. Ramiche & A. Bahaddou Department of Pharmacology, Toxicology & Biochemistry, I.A.V. Hassan II, BP 6202 Rabat-Instituts, Rabat, Morocco M.BENGOUMI@IAV.AC.MA</p>
09:20	(47)	<p>Prevalence of dromedary respiratory diseases in mauritania: results of investigations at Nouakchott Kane Y.^{1*}, Bada-Alambedji r¹, Kadja M. C.¹ Bezeid O.E.², Akakpo J.A.¹, Kaboret Y.¹ ¹: École Inter-États des Sciences et Médecine Vétérinaires (EISMV) de Dakar - B.P : 5077, Dakar-Fann (Sénégal) ²: Centre National d'Élevage et de Recherches Vétérinaires (CNERV)- B.P : 167, Nouakchott (Mauritanie) ykane@refer.sn and ykane00@yahoo.fr</p>
09:30	(48)	<p>Trypanosoma evansi infection in a murine model: new insights for camel trypanosomiasis Antoine-Moussiaux N^{1,2}, Desmecht D² ¹Tropical Veterinary Institute, University of Liege, Belgium ²Dept of Animal Pathology, University of Liege, Belgium nantoine@ulg.ac.be</p>
09:40	(49)	<p>Protection against <i>Hyalomma dromedarii</i> infestations in camel vaccinated with the <i>B. microplus</i> Bm86-containing vaccine "Gavac™" Sahibi H¹; Elwaer O²; and Rhalem A¹ ¹ Département de Parasitologie et Maladies Parasitaires, Institut Agronomique et Vétérinaire Hassan II, B.P. 6202, Rabat-Instituts, Morocco ² Department of Parasitology, Faculty of veterinary medicine, Alfateh University, P O Box 13662 Tripoli, Libya sahibiiav@yahoo.fr</p>
09:50	(50)	<p>Vaccination against ticks in camels using boophilus derived-vaccine O. Elwaer¹, H. Sahibi² and A. Rhalem² ¹Faculty of veterinary medicine –alfateh university- Tripoli-Libya ²Institut Agronomique et Veterinaire Hassan II,Rabat-Morocco olwaer@yahoo.com</p>

Sunday, April 16th, 2006

Time	Abstract #	Title
10:10	(51)	Epidemiological studies (parasitological, serological and molecular techniques) on <i>Trypanosoma evansi</i> infections in camels (<i>Camelus dromedarius</i>) in Egypt Ahmed Abd El-Rady and Laila Salah Ahmed Department of Animal Medicine, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt ahmedabdelray@yahoo.com
10:20	(52)	Pathological studies on parasitic infestations of Arabian camels in Jordan Falah K. Al-Ani ¹ , Ali M. Shotar ² , Labebe Sharif ³ and Abdelfattah Nour ⁴ ¹ Al-Adyat Center for Veterinary Services, P. O. Box 2970, Code 111 Muscat, Oman. ² Department of Legal Medicine, Toxicological and Forensic Medicine, Faculty of Medicine, Jordan University of Science and Technology, Jordan. ³ Department of Animal Health, Jordan University of Science and Technology, Jordan. ⁴ Department of Pathophysiology, College of Veterinary Medicine, Purdue University, United States of America alani99@hotmail.com

Sunday, April 16th, 2006

Session 6: Medicine, Surgery and Diseases – Oral Session (08:00 – 10:30)

Chairperson: I. A. Wasfi

Camel racing Laboratory, Forensic Science Laboratory, P. O. Box 253, Abu Dhabi,
United Arab Emirates

Room: Zakher B

Time	Abstract #	Title
08:00	(53)	Neurological diseases in llamas and alpacas: a retrospective study of 185 cases (1993-2003) Claire E Whitehead , David E Anderson and William JA Saville The Ohio State University, Columbus, Ohio, United States of America whitehead.71@osu.edu
08:15	(54)	Vertebral osteoma in a dromedary camel: a case report. Carbonell, D ¹ ., Orós J ² , Gutierrez, C ² . ¹ Valencia Zoo, <i>Patronato Valenciano de Ciencias Naturales</i> , 46010, Valencia, Spain. ² Veterinary Faculty, Universidad de Las Palmas, Canary Islands, Spain. cgutierrez@dpat.ulpgc.es
08:30	(55)	Surgical intervention for infectious lymphadenitis in dromedary camels Mazhar Iqbal Siddiqui and Mohammed Naif Ahmed Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital Abu Dhabi P.O. Box 10829. United Arab Emirates
08:45	(56)	Experimental studies on sarcoptes scabiei infections in dromedaries (Camelus dromedaries) S. Bornstein ¹ , J. Kinne ² , M. Younan ³ , U. Wernery ² , K. Näslund ¹ , J. Koskey ⁴ ¹ Department of Parasitology (SWEPAR), National Veterinary Institute, Uppsala, Sweden, ² Central Veterinary Research Laboratory, Dubai, United Arab Emirates, ⁴ Vétérinaire Sans Frontière Germany, Nairobi, Kenya, ³ Department of Animal Health, University of Egerton, Njoro, Kenya set.bornstein@telia.com
09:00	(57)	Some biochemical aspects of trypanosomiasis infection and treatment with cymelarsan in camel "Camelus dromedaries" O. A. Abdelsalam ¹ , H. I. Seri ² , O. F. Idris ³ , N. M. Elbagir ⁴ ¹ Department of Biochemistry, Faculty of Veterinary Science, University of Bahr Elghazal, Sudan. ² Department of Clinical studies, Faculty of Veterinary Science, University of Nyala, Sudan. ³ University of Elneelain, Sudan. ⁴ Department of Biochemistry, Faculty of Veterinary Medicine, University of Khartoum, Sudan. hishamseri@hotmail.com
09:15	(58)	Laboratory tests of ruminant diseases in sacs, an official directive before bringing animals to other countries or events - evaluation of the results from 1994 -2006 I. Gunsser Roemerstr. 23, 80801 Munich, Germany ilona.gunsser@t-online.de

Sunday, April 16th, 2006

Time	Abstract #	Title
09:30	(59)	Prevalence and pathogenicity of <i>Isospora orlovi</i> in Kenyan camel calves up to twelve weeks of age (2002 – 2003) <u>I. V. Gluecks</u> ^{1,4} , M. Younan ² , S. Bornstein ³ , W. Mueller ⁴ ¹ Vétérinaires Sans Frontières Suisse, Nairobi Kenya, ² Vétérinaires Sans Frontières Germany, Nairobi Kenya, ³ Department of Parasitology (SWEPAR), National Veterinary University of Agricultural Science, Uppsala, Sweden, ⁴ Institute of Animal and Environmental Hygiene, Faculty of Veterinary Medicine, Freie Universitaet Berlin, Germany igluecks@vsfsuisse.org
09:45	(60)	Lipids and lipoprotein metabolism in response to nematode parasitism in dromedry camel (<i>Camelus Dromedaris</i>) <u>Mohamed A. M.</u> ¹ , Ghada A. Abou El-Ella ² , M. R. Abd Ellah ¹ and F. A. Osman ³ ¹ Clinical Laboratory Diagnosis, Department of Animal Medicine, Faculty of Veterinary medicine, Assiut University. Egypt ² Department of Biochemistry, Faculty of Veterinary Medicine, South Valley University. Egypt ³ Animal Health Research Institute, New Valley. Egypt amohamed@unmc.edu
10:00	(61)	Characterisation of the husbandry practices and the main diseases of camelus dromedarius in chad Abdelsalam Doutoum ^{1,2} , <u>Hassane Mahamat Hassane</u> ¹ ¹ Laboratoire de Recherches Vétérinaires et Zootechniques de Farcha BP 433 N'Djaména Tchad. ² Institut Universitaire des Sciences et Techniques d'Abéché (IUSTA) Abéché Tchad hmahamat@intnet.td
10:10	(62)	Influence of copper deficiency on certain serum biochemical values in camels. <u>M. S. Chaurdhary</u> , Abdul Wahab R. Al Jaboori, and J. Iqbal Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital Abu Dhabi P. O. Box 10829. United Arab Emirates
10:20	(63)	Tentative nervous diseases in camels (preliminary observations) <u>A. A. Bakhsh</u> , G. E. Mohammed, and B. A. Al-Hamdan Department of clinical studies, College of Veterinary Medicine and Animal Resources, King Faisal University, Al-hasa 31982, Saudi Arabia. abakhsh@kfu.edu.sa

Sunday, April 16th, 2006

Session 7: Poster Session (08:00 – 10:30)

Chairperson: I. Belal

Aridland Agriculture Department, College of Food and Agriculture, UAE University,
Al-Ain, United Arab Emirates

Room: Zakher C

Abstract #	Title
(64)	Pharmacokinetics of omeprazole in the dromedary camel M. Bengoumi ¹ , F. Van Gool ² and M. Alvinerie ³ ¹ Depart. of Pharmacology & Toxicology, IAV Hassan II, Rabat, Morocco ² Technical Services Meriel International France ³ Laboratory of Pharmacology, INRA, Toulouse, France m.bengoumi@iav.ac.ma
(65)	Investigations of wry-neck syndrome in camels (<i>Camelus dromedarius</i>) Khalda E. Ahmed : and H. Agab Animal Resources Research Corporation, Khartoum Sudan khaldaahmed@lycos.com
(66)	Effect of age, sex, breed, and physiological status on selenium (Se), copper (Cu), zinc (Zn) and enzymes indicators of muscular fatigue in dromedary (<i>Camelus dromedarius</i>) R. Seboussi ¹ , G. Alhadrami ¹ , B. Faye ² , T. Asfour ³ , A. Elkhoully ³ , T. Abdelkhalek ³ , J. Almasri ⁴ ¹ College of Food and Agriculture, United Arab Emirates University, P.O. Box 16641, Al-Ain- United Arab Emirates ² Cirad-emvt, TA 30/A, Campus international de Baillarguet, 34398 Montpellier Cedex, France ³ Alqatara Veterinary Laboratory- Al-Ain- United Arab Emirates ⁴ Scientific Center for Racing Camel – Al-Ain- United Arab Emirates rseboussi@yahoo.com
(67)	Isolation of granulocytes and mononuclear cells from the blood of camels Javed Rashid , A. Wahab Al-Juboori, and Y. Ali Mohamed. Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital Abu Dhabi, P.O. Box 10829. United Arab Emirates
(68)	Evaluation of interdental wiring for mandibular fracture in dromedary camel M. I. Siddiqui and M. N. Ahmed Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital Abu Dhabi P.O. Box 10829. United Arab Emirates
(69)	Cesarian section in the dromedary camel M. I. Siddiqui and M. N. Ahmed Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital Abu Dhabi P.O. Box 10829. United Arab Emirates
(70)	Clinical management of hemorrhagic disease in racing camels Naseer Ahmad , Abdul Wahab R. Al Jaboori, J. Iqbal, and JiJi Kurian. Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital Abu Dhabi P.O. Box 10829. United Arab Emirates
(71)	Standardization of endoscopic techniques In camels Naseer Ahmad , S. K. Al Helaly, A. A.Yass. Al Jaboori., S. A. Taleb Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital Abu Dhabi P.O. Box 10829. United Arab Emirates

Sunday, April 16th, 2006

Abstract #	Title
(72)	Pathogens of internal and external purulent lesions in dromedary camels <u>N. K Kamat</u> , J. Iqbal and A. A. Yass Al-Juboori Animal Wealth Department/ Sector of Agriculture/Central Veterinary Laboratory-Abu Dhabi P.O. Box 10829. United Arab Emirates drnbadry@yahoo.com
(73)	Barium toxicity in freely grazing camels <u>Osheik A. Ali</u> , A. A. Yass Al-Juboori and A. Mumtaz Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital Abu Dhabi P.O. Box 10829. United Arab Emirates
(74)	In vitro sensitivity based field trails in dromedary camels suffering from endometritis <u>Z. I. Qurieshi</u> , N. K. Kamat, A. A. Al Jabouri, M. N. Ahmed, and J. Kurian. Animal Wealth Department/ Sector of Agriculture/Central Veterinary Hospital Abu Dhabi P.O. Box 10829. United Arab Emirates
(75)	Future trends in milk protein modification to improve functional and biological properties: application to camel milk proteins as nutraceutical ingredients (review). <u>Louis Laleve</u> Department of Food Sciences, College of Food & Agriculture Al Ain, United Arab Emirates Llaleve@uaeu.ac.ae
(76)	White camels of Balochistan <u>Raziq A.</u> and M. Younas Dept of Livestock Management, University of Agriculture, Faisalabad-38040, Pakistan raziq374@yahoo.com, younasah@fsd.paknet.com.pk

Sunday, April 16th, 2006

Session 8: Pharmacology and Immunology – Oral Session (11:00 – 13:00)

Chairperson: T. Gahlot

Department of Veterinary Surgery and Radiology, College of Veterinary and Animal
Science, Bikaner 334001 India

Room: Zakher A

Time	Abstract #	Title
11:00	(77)	Tolerance study of Tiludronate in the racing dromedary camels M. Bengoumi Department of Pharmacology, Toxicology and Biochemistry Institut Agronomique et Veterinaire Hassan II, BP. 6202 Instituts, Rabat- Morocco m.bengoumi@iav.ac.ma
11:15	(78)	Marbofloxacin pharmacokinetics in the plasma and milk of the dromedary camel M. Bengoumi ¹ , Hidane, K. ² ; R. Laraje ³ , A. Talmi ³ , M. Laurentie ⁴ and A. El Hraiki ¹ ¹ Department of Pharmacology, Toxicology and Biochemistry, Agronomic and Veterinary Institute Hassan II, BP. 6202 Rabat-Instituts, 10100 Rabat-Morocco ² Provincial Director of Agriculture, Essaouira, Morocco. ³ Laboratoire National de Contrôle des Médicaments Vétérinaires, Rue Ikhlass, Cité Yakoub El Mansour, BP. 4509 Akkari – Rabat, Morocco. ⁴ AFSSA Fougères, LERMVD, Unité pharmacocinétique-Pharmacodynamie, BP. 90203, 35302 Fougères Cedex, France. m.bengoumi@iav.ac.ma
11:30	(79)	Quantification of hydrochlorothiazide in camel plasma by liquid chromatography–negative electrospray ionization tandem mass spectrometry: Application to pharmacokinetic studies I.A. Wasfi , S. A. Wajid, A. A. Abdel Hadi, M. Elghazali, Nasreen A Al Briki, Asmaa M K Eltoun, B. A. Agha, Ishar M. Barezaig and F. M. Altayeb. Camel racing Laboratory, Forensic Science Laboratory, P. O. Box 253, Abu Dhabi, United Arab Emirates iawasfi@emirates.net.ae
11:45	(80)	Circadian variability on twenty clinical chemistry parameters, hormones and body temperature in camels N. A. Al Katheeri and I. A. Wasfi Camel racing Laboratory, Forensic Science Laboratory, P. O. Box 253, Abu Dhabi, United Arab Emirates iawasfi@emirates.net.ae
12:00	(81)	Evaluation of propofol as an anaesthetic in dromedary camel Chander kala Sharma , p. k. peshin, Raghvendra yadav, N. k. Sharma, Meenaxi, D. s. chouhan Department of Veterinary Surgery and Radiology, College of Veterinary and Animal Science, Rajasthan Agriculture University, Bikaner (Rajasthan) India CK_SHARMA2003@YAHOO.CO.UK

Sunday, April 16th, 2006

Time	Abstract #	Title
12:15	(82)	Efficacy of an herbal immunomodulator on immune status and growth rate of neonatal camel calves <u>D. Suchitra Sena</u> National Research Centre on Camel, P.B. No: 07, Jorbeer, Bikaner-334001, Rajasthan, India senamal_26@yahoo.co.in
12:30	(83)	Immunohistochemical cartography of different neuropeptides in the hypothalamus of the camel (<i>Camelus dromedarius</i>) <u>K. EL Allali</u> ^{1,2} , M. R. Achaaban ¹ , M. Piro ¹ , J.-G. Egginger ³ , C. Parmentier ³ , P. Pevet ² and A. Calas ³ ¹ :Département d'Anatomie Comparée, Institut Agronomique et Vétérinaires Hassan II, Rabat- Morocco ² :INCI (LC2 CNRS-Université L. Pasteur), Département de Neurobiologie des Rythmes, UMR7518 CNRS/ULP, IFR37, Strasbourg, France ³ :Laboratoire de Neurobiologie des Signaux Intercellulaires, UMR CNRS 7101, Université Pierre-et-Marie Curie, Paris, France k.elallali@iav.ac.ma
12:45	(84)	Comparative chemiluminescence response of polymorphonuclear leukocytes from camel and sheep: a preliminary study <u>Eugene H. Johnson</u> , Rashid Al-Busaidy and Khalid Al-Habsi Sultan Qaboos University, College of Agricultural and marine Sciences, Department of Animal and Veterinary Sciences, P.O. Box 34, Al-Khod 123, Oman ejohnson@squ.edu.om

Sunday, April 16th, 2006

Session 9: Genetics, nutrition and Production – Oral Session (11:00 – 13:30)

Chairperson: S. Al Sharaby

Aridland Agriculture Department, College of Food and Agriculture, UAE University,
Al-Ain, United Arab Emirates

Room: Zakher B

Time	Abstract #	Title
11:00	(85)	Molecular cytogenetic study in dromedary camel Nabulsi, A. R. and Khazanehdari, A. K Molecular Biology and Genetics, Central Veterinary Research laboratory, P.O. BOX 597 Dubai, United Arab Emirates rananabulsi@hotmail.com
11:15	(86)	An overview of camelids chromosome morphology and karyotype Khazanehdari Kamal and Nabulsi Rana Molecular Biology and Genetics Laboratory, CVRL, P.O. Box 597, Dubai, United Arab Emirates kdari@cvrl.ae
11:30	(87)	MC1R in the camel (Camelus dromedarius) Muhammad Ghiasuddin Shah ¹ , Anas Sarwar Qureshi¹ , Monika Reißmann ² , Horst Jurgen Schwartz ³ ¹ Department of Veterinary Anatomy, University of Agriculture Faisalabad, Pakistan. ² Institute of Animal Sciences, Humboldt-Universität zu Berlin, Germany. ³ Department of Livestock Ecology, Humboldt-Universität zu Berlin, Germany anas_sarwar@hotmail.com
11:45	(88)	Monitoring the bacterial population changes in the rumen of the camel associated with change in diet by real-time PCR M. B. Ghali ¹ , P.T. Scott ² , G. A. Alhadrami ³ and R. A. M. Al Jassim¹ ¹ School of Animal Studies, The University of Queensland, Gatton, QLD 4343, Australia; ² ARC Centre of Excellence for Integrative Legume Research, The University of Queensland, St Lucia, QLD 4072, Australia; ³ United Arab Emirates University, Al-Ain, United Arab Emirates raj@sas.uq.edu.au
12:00	(89)	Seasonal changes on the nutritive value of natural ranges and camel performance under hyper- aridity conditions of Sinai, Egypt H. M. El Shaer¹ , H. M. Kandil, E. Y. Eid and H. S. Khamis Desert Research Center, Mataria, Cairo, Egypt drc_elshaer@hotmail.com
12:15	(90)	Camel's performance response to dietary energy level under semi-arid condition Safinaz M. Shawket¹ , H.S. Ziwal ² , M.H. Ahmed ² , A.M. Nour ³ and A.M. Abd El-Wahed ¹ ¹ Department of Animal and Poultry Nutrition-Desert Research Center, Cairo, Egypt. ² Department of Animal and Fish Production, Faculty of Agriculture (Saba Basha), Alexandria University, Alexandria, Egypt. ³ Department of Animal Production, Faculty of Agriculture, Alexandria University, Alexandria, Egypt. hopy5@hotmail.com

Sunday, April 16th, 2006

Time	Abstract #	Title
12:30	(91)	Dairy potential of Maghrabi camel in intensive oasis breeding system Hammadi M., <u>Khorchani¹ T.</u> , Seddik ¹ M. M., El-Hatmi ¹ H., Sghaier ² M., Barmat ¹ A., Fatnassi ¹ B., Ben Belgacem ¹ A. ¹ Livestock and Wildlife Laboratory ² Agriculture and Economic Rural society Laboratory Arid Lands Institute, 4119- Médenine-Tunisia Khorchani.Touhami@ira.rnrt.tn
12:45	(92)	Milk productivity of camel and potential production of dairy area of Agadez in Niger <u>Chaibou Mahamadou</u> and Faye Bernard malamchaibou@yahoo.fr
13:00	(93)	Animal-assisted therapy with llamas and alpacas, technique and first results <u>I. Gunsse</u> Roemerstr. 23, 80801 Munich, Germany ilona.gunsse@t-online.de
13:10	(94)	The camel as provider of micronutrients in the desert environment <u>Mutwakil M. Ahmed</u> Ministry of Environment and Water, Central Laboratories, Al-Ain, United Arab Emirates MUTWAKIL.MAF@UAE.GOV.AE
13:20	(95)	Evaluation of the range plants quality and palatability for camel grazing in the United Arab Emirates <u>Mohamed Taher Mousa</u> Biology Department, Faculty of Science, United Arab Emirates University, P.O. Box 17551, Al Ain, United Arab Emirates Mohamed.Mousa@uaeu.ac.ae

Sunday, April 16th, 2006

Session 10: Poster Session (11:00 – 13:30)

Chairperson: A. Bakhsh

Department of clinical studies, College of Veterinary Medicine and Animal Resources, King Faisal University, Al-Hasa 31982 , Saudi Arabia.

Room: Zakher C

Abstract #	Title
(96)	Sustainable camel production and improvement in Yemen- A review Al-Aghbari Abdulwali M and Mohammed Al-kuramh Department of Animal Science, Faculty of Agriculture, Sana'a University Sana'a, Yemen al_aghbari_99@yahoo.com
(97)	White camels of Balochistan Raziq A. and M. Younas Department of Livestock Management, University of Agriculture, Faisalabad-38040, Pakistan raziq374@yahoo.com, younasah@fsd.paknet.com.pk
(98)	Case report of camel caseous lymphadenitis in Iran Hady Miranzadeh , taghi, taghipour bazargani, behnaz, soltanian Education center of jahad – E – Keshavarzi Isfahan – Iran miranzadeh@hotmail.com
(99)	Comparative study on camel and bovine bones as bony shuttle pin splint for femoral fractures in small animals Haitham H. M. F ¹ , Amel O. Bakhiet ² and Hamza S. M. ² ¹ Department of Surgery and Gynaecology, College of Veterinary Science, University of Bahr El Ghazal, P.O. Box 10739 Khartoum, Sudan ² Department of Clinical Studies, College of Veterinary Medicine and Animal Production, Sudan University of Science and Technology, Khartoum, Sudan haithamfahim9@hotmail.com
(100)	Some trace-elements profile in the liver of camels, cattle, sheep and goats Amel O Bakhiet ¹ , Mohammed A A ¹ , Siham E S M ¹ and Samia M A El Badwi ² ¹ Department of Clinical Studies, College of Veterinary Medicine and Animal Production, Sudan University of Science and Technology, P.O Box 204 Khartoum-North, Sudan ² Department of Medicine, Pharmacology and Toxicology, Faculty of Veterinary Medicine, University of Khartoum, Sudan amel33@gmail.com
(101)	Clinical hypothyroid goiter in dromedary (camelus dromedarius) (case report) Tariq M. Mohamed , A. A. Al-khouli, T. A .Abbas and Al-khawad.S. El Badawy. Department of Agriculture and Municipalities, Animal Health section, Veterinary Laboratory., Al Ain, United Arab Emirates tqasfour30@hotmail.com
(102)	Camel meat acceptance in Bauchi, Nigeria: current situation and future prospects. D. J. U. Kalla ., M. Abubakar., F. B. Oladotun., M. B. Ngele and D. S. Jibia. Animal Production Programme, Abubakar Tafawa Balewa University, P. M. B.0248, Bauchi State, Postcode740001, Nigeria. demokalla71@yahoo.com

Sunday, April 16th, 2006

Abstract #	Title
(103)	<p>The slaughter of the dromedary camel (<i>Camelus dromedarius</i>) for meat in Kano, Nigeria <u>M. Abubakar</u>, D. J. U. Kalla., and B. H. Tofa Animal Production Programme, Abubakar Tafawa Balewa University, P. M. B 0248, Bauchi, Bauchi State, Nigeria Postcode 740001 mabubakarkobi@yahoo.co.uk</p>
(104)	<p>Isospora orlovi a common pathogen in scouring young camel calves (<i>Camelus dromedarius</i>) in Northern Kenya (2002 -2004) <u>S. Bornstein</u>¹, I.V. Gluecks^{2,3,4}, M. Younan^{2,3,5}, P. Thebo¹, and J. G. Mattsson¹. ¹Department of Parasitology (SWEPAR), National Veterinary Institute and Swedish University of Agricultural Sciences, Uppsala, Sweden. ²Kenya Camel Association, Kenya. ³Vétérinaires Sans Frontières Suisse, Nairobi, Kenya. ⁴Institute of Animal and Environmental Hygiene, Faculty of Veterinary Medicine, Freie Universitaet Berlin, Germany. ⁵Vétérinaires Sans Frontières Germany, Nairobi, Kenya. set.bornstein@telia.com</p>
(105)	<p>The serologic survey of camel brucellosis in Qum province, Iran <u>M. Rabbani Khorasgani</u>, S. Bokaie, S. A. Moallemzadeh, T. Zahraei – Salehi, Gh.Nikhbakht Department of Microbiology, Faculty of Veterinary medicine, Tehran University, Tehran, Iran mrabbanikh@yahoo.com</p>
(106)	<p>Studies on the effect of nutrition (body condition) on reproduction in Arabian camels <u>Sheick E. A. Abdul Rahim</u> and Mohammed Yahya Al-Saiady Nutrition & Research for Animal Production, Arabian Agricultural Services Company, ARASCO, Al-Akariyah Shopping Center, Suite No. 625, P. O. Box 53845, Riyadh, Saudi Arabia sheick@arasco.com</p>
(107)	<p>Pharmacoclinical studies of cymelarsan in Sudanese camels (<i>Camelus dromedarius</i>) <u>Fairouz Mohammed</u>¹, Youssif Osman Saad Ali Mohammed² Tigani Hassan³ ¹Ministry of animal resource Khartoum-Sudan ²University of Sudan-Fac. Vet. Med & Anim. Prod, Sudan ³University of Khartoum Fac. Vet. Med. Dep. Med. Phar, & Toxi. rozavet@yahoo.com</p>
(108)	<p>Strategy of adaptation to the drought by the camel farmers in a protected area: the national park the bench of arguin (NPBA) <u>Aminata. Correra</u> National museum of Natural History of Paris, 57 R. Cuvier CP 41 75231 Paris, France aminata_correra@yahoo.fr</p>
(109)	<p>Haemato-biochemical changes in camels infested with mange during winter and summer season <u>Gorakh Mal</u>, D. Suchitra Sena, Aminu Deen and M. S. Sahani NRC on Camel, PB No. 07, Bikaner, Rajasthan, 334001, India Gorakh14@yahoo.co.in</p>

Sunday, April 16th, 2006

Session 11: Milk and Meat – Oral Session (15:30 – 18:00)

Chairperson: M. Ayoub

Suez Canal University, Faculty of Agriculture, Department of Animal Production,
Ismailia, Egypt

Room: Zakher A

Time	Abstract #	Title
15:30	(110)	The comparative fatty acid composition of milk in bactrian camel, dromedary, mare, cow and goat B. Faye ¹ , G. Konuspayeva ² , M. Narmuratova ³ , G. Loiseau ⁴ 1. CIRAD-EMVT, Campus International de Baillarguet, 34398, Montpellier cedex, France 2. Kazakh National University Al-Farabi, 050078, Almaty, Kazakhstan 3. Kazakh National University Al-Farabi, 050078, Almaty, Kazakhstan 4. CIRAD-AMIS, Avenue du Val de Montferrand, 34398, Montpellier cedex, France faye@cirad.fr
15:45	(111)	Composition and heat stability of Moroccan camel milk and fresh cheese making A. Kouniba ¹ , M. Berrada ⁴ , M. Zahar ² and M. Bengoumi ³ ¹ Département de Génie des Procédés et de Technologie Alimentaire, ² Département des Sciences Alimentaires et Nutritionnelles, ³ Département de pharmacie et de toxicologie Institut Agronomique et Vétérinaire Hassan II, B.P. 6202 - Instituts, 10 101 Rabat, Morocco ⁴ Direction de l'Enseignement, de la Recherche et du Développement, Avenue Mohamed Belarbi Alaoui, B.P. 6598. Rabat - Instituts Morocco a.kouniba@iav.ac.ma
16:00	(112)	Quality and sensory characteristics of camel milk and chocolate flavored camel milk Isameldin Bashir Hashim Department of Food Sciences, College of Food and Agriculture, UAE. University, Al-Ain, United Arab Emirates IHashim@uaeu.ac.ae
16:15	(113)	Fresh soft white cheese (Domiaty-type) manufactured from camel's milk using ultrafiltration technique Mohamed A. Mehaia Department of Food Science and Human Nutrition, College of Agriculture and Veterinary Medicine, Qassim University, Buriedah P. O. Box 1482, Saudi Arabia mmehaia@hotmail.com
16:30	(114)	Lactoferrin and immunoglobulin content in camel milk from bactrian, dromedary and hybrids in Kazakhstan Konuspayeva G. , Loiseau G., Levieux D., Faye B. ¹ CIRAD-EMVT, Campus International de Baillarguet, 34398, Montpellier cedex, France ² Kazakh National University Al-Farabi, 050078, Almaty, Kazakhstan konuspayeva@cirad.fr

Sunday, April 16th, 2006

Time	Abstract #	Title
16:45	(115)	Therapeutic utility of camel milk as nutritional supplement against multiple drug resistant (mdr) patients Gorakh Mal , D. Suchitra Sena, V.K. Jain and M.S. Sahani National Research Centre on Camel, PB No. 07, Bikaner, Rajasthan- 334001 India Gorakh14@yahoo.co.in
17:00	(116)	Production, handling, preservation and utilization of camel (<i>Camelus dromedarius</i>) milk in eastern Ethiopia Eyassu Seifu Department of Animal Sciences, Alemaya University, P.O. Box 287, Alemaya Campus, Ethiopia eyassu_seifu@yahoo.com
17:15	(117)	Production and marketing of camel milk in the South of Morocco: socioeconomic evolution Hidane K. ¹ , Faye B. ² & Bengoumi M. ³ ¹ Provincial Director of Agriculture, Essaouira, Morocco. ² CIRAD-EMVT, Montpellier, France. ³ Department of Pharmacy, Toxicology and Biochemistry, IAV Hassan II, Rabat, Morocco. hidane@iam.net.ma
17:30	(118)	Meat quality and composition of <i>Longissimus thoracis</i> from arabian camel (<i>Camelus dromedaries</i>) and Omani beef: a comparative study Isam T. Kadim and Osman Mahgoub Department of Animal & Veterinary Sciences, College of Agricultural and Marine Sciences, Sultan Qaboos University P.O Box 34, Al-Khod 123, Muscat, Sultanate of Oman isam@squ.edu.om
17:45	(119)	Antibiotic residues in camel products (meat and milk) and bacterial resistance Aziza M. M. Amer Professor of Pharmacology, Faculty of Veterinary Medicine, Cairo University, P.O. BOX.12211, Giza, Egypt aziza_amer@hotmail.com

Sunday, April 16th, 2006

Session 12: Biology, Anatomy and Misc. – Oral Session (15:30 – 18:00)

Chairperson: M. Bengoumi

Department of Pharmacology & Toxicology, IAV Hassan II, Rabat, Morocco

Room: Zakher B

Time	Abstract #	Title
15:30	(120)	Early embryonic development of the camel kidney <u>Abdel Momeim M</u> Department of Anatomy and Histology, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt latiff_60@yahoo.com
15:45	(121)	Angiographic anatomy of kidney in dromedary camel (<i>Camelus dromedarius</i>) <u>Shashi Vikram Singh</u> and Vipasha Singh SMP Veterinary Hospital and Trauma Centre, Lucknow, Uttar Pradesh, Pin- 226 021, India drshashivikramsingh@rediffmail.com
16:00	(122)	Radiography and ultrasonography of the metacarpal region and the digital extremities in the camel <u>R. Azrib</u> , A. Attoug and A. Bouhrara Institut Agronomique et Vétérinaire Hassan II Rabat, Morocco r.azrib@iav.ac.ma
16:00	(123)	Macroscopic anatomy of the nervous system of the camel (<i>Camelus dromedarius</i>) <u>Mohammed Ouassat</u> Département d'Anatomie Comparée. Institut Agronomique et Vétérinaire Hassan II, Rabat, Morocco m.ouassat@iav.ac.ma
16:15	(124)	Internet-based learning environment and a virtual microscope for enhancing teaching and learning about camel's functional anatomy <u>Abdelfattah Nour</u>¹ & Falah Al-Ani² ¹ Department of Basic Medical Sciences, School of Veterinary Medicine, Purdue University, USA ² Al-Adyat Center for Veterinary Services, PO. Box 2970, Code 111 Muscat, Oman nour@purdue.edu
16:30	(125)	Introducing camels (<i>Camelus bactrianus</i>) in Sweden: problems relating to stocking rate and parasite infestation <u>Bengt Erlingsson</u> Ormoga Pl 6663, 387 96 Kopingsvik, Sweden bengt02@hotmail.com
16:45	(126)	Socioeconomic profile of camel in Kuhloo district of Balochistan <u>Abdul Raziq</u> and M Younas Department of Livestock Management University of Agriculture, Faisalabad-38040, Pakistan raziq374@yahoo.com

Sunday, April 16th, 2006

Time	Abstract #	Title
17:00	(127)	Camels (<i>Camelus dromedarius</i>) under pastoral systems in North Kordofan, Sudan Seasonal and Parity effects on milk composition <u>Sallam A. Bakheit</u> Faculty of Natural Resources and Environmental studies, University of Kordofan, El Obeid, Sudan abdefadeil@yahoo.com
17:15	(128)	Characterization of the camel production system: a case study in the GAO region of Mali <u>Ouologuem Bara</u> , Moussa Mohomodou and D. Coulibaly Mamadou Institut d'Economie Rurale, Bamako, Mali ouologuembara@yahoo.fr
17:30	(129)	Some hair characteristics of one-humped camels in relation to textile industry <u>Helal, A.</u> , Guirgis, R. A., El-Ganaieny, M. M. and Talat, E. E. Desert Research center, Mataria, Cairo, Egypt Ahmed_helal_drc@yahoo.com
17:45	(130)	The camel research and development network: achievements and perspectives for international cooperation. <u>A. Guerouli</u> Arab Center for Studies of Arid Zones and Dry Lands (ACSAD) P. O. Box: 2440, Damascus, Syria a-guerouali@acsad.org

Monday, April 17th, 2006

6:00 – 12:00	Field Trip
---------------------	-------------------