**Premium Partners**

- Bayer HealthCare Animal Health
- Intervet Schering-Plough Animal Health

**Major Partners**

- Boehringer Ingelheim
- Merial

**Sponsor Partners**

- CEVA
- DSM
- Fort Dodge
- Virbac

**Exhibitors**

- S.A.E. Afikim
- Animedica Group
- Dr. Bata Ltd
- BCF Technology
- Bio-X Diagnostics
- Central European Veterinary Centre
- Chevita Ltd.
- DeLaval
- Draminski
- ECM
- FATRO s.p.a.
- Finnzymes Diagnostics
- Forum Products Ltd.
- Hipra
- Karl Storz
- Norbrook Laboratories Ltd.
- Parnell
- Pharmalett A/S
- UNIFORM-Agri
- Vitafort Ltd.
- WestfaliaSurge Ltd.

**Others**

- Chilean Buiatrics Association
- Portuguese Buiatrics Association
- Wageningen Academic Publishers
<table>
<thead>
<tr>
<th>Location</th>
<th>Year</th>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hannover (Germany)</td>
<td>1960</td>
<td>Welcome</td>
<td>4</td>
</tr>
<tr>
<td>Vienna (Austria)</td>
<td>1962</td>
<td>Committees</td>
<td>5</td>
</tr>
<tr>
<td>Copenhagen (Denmark)</td>
<td>1964</td>
<td>Scientific Information</td>
<td>8</td>
</tr>
<tr>
<td>Zurich (Switzerland)</td>
<td>1966</td>
<td>Programme Overview</td>
<td>10</td>
</tr>
<tr>
<td>Opatija (Yugoslavia)</td>
<td>1968</td>
<td>Oral Presentation Monday</td>
<td>14</td>
</tr>
<tr>
<td>London (UK)</td>
<td>1970</td>
<td>Oral Presentation Tuesday</td>
<td>22</td>
</tr>
<tr>
<td>Philadelphia PA (USA)</td>
<td>1972</td>
<td>Oral Presentation Wednesday</td>
<td>30</td>
</tr>
<tr>
<td>Milan (Italy)</td>
<td>1974</td>
<td>Oral Presentation Thursday</td>
<td>38</td>
</tr>
<tr>
<td>Paris (France)</td>
<td>1976</td>
<td>Posters</td>
<td>46</td>
</tr>
<tr>
<td>Mexico City (Mexico)</td>
<td>1978</td>
<td>Optional Workshops</td>
<td>93</td>
</tr>
<tr>
<td>Tel Aviv (Israel)</td>
<td>1980</td>
<td>Congress Information</td>
<td>99</td>
</tr>
<tr>
<td>Amsterdam (The Netherlands)</td>
<td>1982</td>
<td>Useful Information</td>
<td>102</td>
</tr>
<tr>
<td>Durban (South Africa)</td>
<td>1984</td>
<td>Social and Optional Programmes and Tours</td>
<td>105</td>
</tr>
<tr>
<td>Dublin (Ireland)</td>
<td>1986</td>
<td>Company Profile</td>
<td>110</td>
</tr>
<tr>
<td>Palma de Mallorca (Spain)</td>
<td>1988</td>
<td>Floor plans</td>
<td>115</td>
</tr>
<tr>
<td>San Salvador da Bahia (Brazil)</td>
<td>1990</td>
<td>Budapest Map</td>
<td>118</td>
</tr>
<tr>
<td>St Paul MN (USA)</td>
<td>1992</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bologna (Italy)</td>
<td>1994</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Edinburgh (UK)</td>
<td>1996</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sydney (Australia)</td>
<td>1998</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Punta del Este (Uruguay)</td>
<td>2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hannover (Germany)</td>
<td>2002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quebec City (Canada)</td>
<td>2004</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nice (France)</td>
<td>2006</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
After arriving our guests to our home, we used to greet them with the following saying: “Isten hozta Önöket!” In English: Welcome! However, it is not a real translation of our Hungarian greeting because it means that the “God brought you!” We would like to welcome you with this greeting: All of you are very welcome to Budapest! - Herzliche Willkommen zu Budapest! Bienvenue à Budapest! Bienbenidos a Budapest! Benvenuto a Budapest! Добро пожаловать к Budapest!

We are very pleased that in the history of the World Buiatrics Congresses, this is the first time that 1,377 abstracts have been submitted. Until now, the highest number of submitted abstracts (over 1,000), was for the Nice congress in 2006. Beyond several poster presentations 408 of the number were selected for oral presentations and 29 key-note lectures will be given. Delegates from 67 countries joined us to participate at the XXV. World Buiatrics Congress and to celebrate the XXV. Jubilee occasion here in Budapest.

The congress will have 6 parallel scientific sessions and simultaneous translation (English, German, French, Spanish, Hungarian) will be provided in the main three auditoriums (Blue, Yellow and Red Halls). The fourth session (Purple Hall) is dedicated mainly to small ruminants, buffaloes, camelids, good veterinary practice, and food hygiene while the fifth session (Green Hall) to the IV. Symposium of the European College of Bovine Health Management and the IX. Middle European Buiatrics Congress. The sixth session (Brown Hall) will be used for free workshops where some very important topics (Fertility problems, Perinatal mortality, Mycoplasma, Abortions, IBR, Teaching of buiatrics in the future, Genetic diseases) will be discussed. Seven optional workshops dealing with Caesarean section, Large dairy farms, Oestrus detection, Abomasal displacement, Metabolic status and reproductive activity, Ultrasonography, Quality risk management (HACCP) will make the scientific programme complete. The five symposia organized by the Premium Sponsors will make our programme vivid.

We hope that, besides the high level scientific programme several social programmes, including Opening Ceremony and Welcome Reception held at the Palace of Arts recently awarded by the “FIABCI Prix d’Excellence 2006” in the “specialized” category, which is the equivalent of an Oscar Award for construction and real estate development, and the Gala Dinner in the Hungarian National Gallery, as well as Budapest with its word heritage parts will make unforgettable the XXV. Jubilee World Buiatrics Congress.

Without the outstanding support of our premium, major, sponsor and other partners we have not been able to organise such a congress therefore they deserve our warmest and most sincere thanks.

With the members of the Organising Committee, we wish you an excellent and a pleasant stay in Budapest, Hungary.

Prof. Dr. Ottó Szenci  
President of the Organising Committee

Prof. Dr. Endre Brydl  
President of the Scientific Committee
World Association for Buiatrics

PRESIDENT
W. Baumgartner, Austria

VICE-PRESIDENTS
R. Ugarte, Uruguay
B. Rheinberger, Australia

GENERAL SECRETARY
O. Szenci, Hungary

MEMBERS OF THE COMMITTEE
E. Bouchard, Canada
J. Cannas Da Silva, Portugal
R.G. Eddy, United Kingdom
A. El-Sebaie, Egypt
M. Garcia, Brasil
H.R. Han, South Korea
N. Jessen, Denmark
T. Lam, The Netherlands
K. Müller, Germany
T. Nakao, Japan
H. Navetat, France

OBSERVER
M.G. Riddell, USA

HONORARY PRESIDENTS
H.E. Amstutz, USA
H.J. Breukuiink, The Netherlands
P.D. Videla, Argentina

HONORARY VICE-PRESIDENT
R. Dubois, Brasil

HONORARY SECRETARY
P. Stöber, Germany
P. Lekeux, Belgium

HONORARY MEMBERS
C.G. Dirksen, Germany
K. Hamana, Japan
A.D. Weaver, United Kingdom
W. Hofmann, Germany

Hungarian Organising Committee

Ottil Szenci, chairman
President of the Hungarian Association for Buiatrics

Endre Brydl
Secretary of the Hungarian Association for Buiatrics

Miklós Süth
Chief Veterinary Officer, Animal Health and Food Control Department, Ministry of Agriculture and Rural Development, Budapest

Csaba Á. Bajcsy
Szent István University, Faculty of Veterinary Science, Budapest

László Könyves
Szent István University, Faculty of Veterinary Science, Budapest

Viktor Jurkovich
Szent István University, Faculty of Veterinary Science, Budapest

Attila Tirián
Szent István University, Faculty of Veterinary Science, Budapest

Zoltán Szelényi
Szent István University, Faculty of Veterinary Science, Budapest

Krisztina Szabó-Ari
Szent István University, Faculty of Veterinary Science, Budapest

István Sztká
National Association of Hungarian Holstein Friesian Breeders, Budapest

Gyula Mészáros
Livestock Performance Testing Ltd., Gödöllő

Congress Organiser

Blaguss Ltd. Congress Bureau
POB 42., H-1364 Budapest 4., Hungary
Phone: +36 1 374 7030 • Fax: +36 1 312 1582
E-mail: wbc2008@blaguss-congress.hu
Website: www.xxvwbc2008.com
Committees

International Organising Committee

Walter Baumgartner
President of the Austrian Association for Buiatrics
President of the World Association for Buiatrics

Emile Bouchard
Committee Member of the WAB
Chairman of the Organising Committee of 23rd WBC, Quebec City, Canada

Klaus Doll
President of the German Association for Buiatrics

Mauricio Garcia
Committee Member of the WAB, Brasil

Fauzi Kerchid
President of Tunisian Association for Buiatrics
Vice-President of the World Veterinary Association

Luis Poo Kutscher
President of the Chilean Buiatrics Association
President of the Latin-American Buiatrics Association
Chairman of the Organising Committee of 26th WBC

Hervé Navetat
Committee Member of the WAB
Chairman of the Organising Committee of 24th WBC, Nice, France

M.G. Riddell
Executive vice president of the American Association of Bovine Practitioners, USA

Joao Cannas Da Silva
President of the Portugal Association for Buiatrics
Committee Member of the WAB
Chairman of the Organising Committee of 27th WBC

Recaredo Ugarte
Vice-President of the World Association for Buiatrics, Uruguay

Sybille Leban
Bayer

Juan Munoz Bielsa
Intervet

Lucas E. Heinis
Novartis

Armin Pearn
Pfizer

Christophe Maisonneuve
Schering-Plough

Hungarian Scientific Committee

Endre Brydli
Szent István University, Faculty of Veterinary Science, Budapest

Óttó Szenci
Szent István University, Faculty of Veterinary Science, Budapest

Csaba Á. Bajcsy
Szent István University, Faculty of Veterinary Science, Budapest

László Fodor
Szent István University, Faculty of Veterinary Science, Budapest

Viktor Jurkovich
Szent István University, Faculty of Veterinary Science, Budapest

Imre Kacsikovic
Eötvös Loránd University, Faculty of Science, Budapest

Béla Nagy
Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest

Sándor Belák
The National Veterinary Institute & The Swedish University of Agricultural Sciences, Uppsala, Sweden

Ferenc Németh
Prof. emer. Utrecht University, Faculty of Veterinary Medicine, Utrecht, The Netherlands

László De Roth
Prof. emer. University of Montreal, Faculty of Veterinary Medicine, St-Hyacinthe, Canada

Steve Salamon
Prof. emer. University of Sydney, Faculty of Veterinary Science, Sydney, Australia

Gábor Vajta
Aarhus University, Faculty of Agricultural Sciences, Tjele, Denmark
### International Scientific Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Barrett</td>
<td>University of Glasgow Veterinary School, Glasgow, Scotland</td>
</tr>
<tr>
<td>Walter Baumgartner</td>
<td>University of Veterinary Medicine, Vienna, Austria</td>
</tr>
<tr>
<td>Jean-Francois Beckers</td>
<td>University of Liege, Faculty of Veterinary Medicine, Liege, Belgium</td>
</tr>
<tr>
<td>Thomas E. Besser</td>
<td>Washington State University, College of Veterinary Medicine, Pullman, WA, USA</td>
</tr>
<tr>
<td>Arie Brand</td>
<td>Prof. emer. Utrecht University, Faculty of Veterinary Medicine, Utrecht, The Netherlands</td>
</tr>
<tr>
<td>Christian Burvenich</td>
<td>Gent University, Faculty of Veterinary Medicine, Gent, Belgium</td>
</tr>
<tr>
<td>Peter Constable</td>
<td>Purdue University, School of Veterinary Medicine, West Lafayette, IN, USA</td>
</tr>
<tr>
<td>Klaus Doll</td>
<td>Justus-Liebig University, Veterinary Faculty, Giessen, Germany</td>
</tr>
<tr>
<td>Roger Eddy</td>
<td>The RCVS Council, United Kingdom</td>
</tr>
<tr>
<td>Paolo Famigli-Bergamini</td>
<td>University of Bologna, Faculty of Veterinary Medicine, Ozzano dell’Emilia, Italy</td>
</tr>
<tr>
<td>Larry Fox</td>
<td>Washington State University, College of Veterinary Medicine, Pullman, WA, USA</td>
</tr>
<tr>
<td>Arcangelo Gentile</td>
<td>University of Bologna, Faculty of Veterinary Medicine, Ozzano dell’Emilia, Italy</td>
</tr>
<tr>
<td>Jesse P. Goff</td>
<td>West Central Cooperative, Ralston, IA, USA</td>
</tr>
<tr>
<td>Christian Hanzen</td>
<td>University of Liege, Faculty of Veterinary Medicine, Liege, Belgium</td>
</tr>
<tr>
<td>Patrice Humblot</td>
<td>UNCEIA R&amp;D, Maisons Alfort Cedex, France</td>
</tr>
<tr>
<td>John P. Kastelic</td>
<td>Agriculture and Agri-Food Canada, Lethbridge, AB, Canada</td>
</tr>
<tr>
<td>Wolfgang Klee</td>
<td>Ludwig Maximilians University, Faculty of Veterinary Medicine, München, Germany</td>
</tr>
<tr>
<td>Theo Lam</td>
<td>Animal Health Service, Deventer, The Netherlands</td>
</tr>
<tr>
<td>Wesley R. Leid</td>
<td>College of Agriculture, Human and Natural Resource Sciences, Washington State University, Pullman, WA, USA</td>
</tr>
<tr>
<td>Pierre Lekeux</td>
<td>University of Liege, Faculty of Veterinary Medicine, Liege, Belgium</td>
</tr>
<tr>
<td>Carlo M. Mortellaro</td>
<td>University of Milano, Faculty of Veterinary Medicine, Milano, Italy</td>
</tr>
<tr>
<td>Toshihiko Nakao</td>
<td>Yamaguchi University, Faculty of Agriculture, Yamaguchi, Japan</td>
</tr>
<tr>
<td>Jos Noordhuizen</td>
<td>Gent University, Faculty of Veterinary Medicine, Gent, Belgium</td>
</tr>
<tr>
<td>Jürgen Rehage</td>
<td>University of Veterinary Medicine, Hannover, Germany</td>
</tr>
<tr>
<td>Bob Rheinberger</td>
<td>Highlands Veterinary Group, Braemar, Australia</td>
</tr>
<tr>
<td>Ynte H. Schukken</td>
<td>Quality Milk Production Services, College of Veterinary Medicine, Cornell University, Ithaca, NY, USA</td>
</tr>
<tr>
<td>Marcel A. M. Taverne</td>
<td>Utrecht University, Faculty of Veterinary Medicine, Utrecht, The Netherlands</td>
</tr>
<tr>
<td>Jacobus Verhoeff</td>
<td>Animal Health Service, Deventer, The Netherlands</td>
</tr>
<tr>
<td>Bert van der Weijden</td>
<td>Utrecht University, Faculty of Veterinary Medicine, Utrecht, The Netherlands</td>
</tr>
<tr>
<td>Norman Williamson</td>
<td>Massey University, Veterinary Science College of Sciences, Palmerston North, New Zealand</td>
</tr>
</tbody>
</table>
Scientific Information

**Continuing Education Credits**
Full attendance at the XXV. Jubilee World Buiatrics Congress provides 28 hours of Continuing Education Credits for Veterinarians.
Certificate of Attendance can be found in the congress bag and should be personalized by the participants.

**Programme Changes**
The Organisers cannot assume liability for any changes in the programme due to external or unforeseen circumstances.

**Slide Preview Room**
The Slide Preview Room - staffed by our technicians - is available for speakers from 13.00 on Sunday, July 6 throughout the congress period and will be located in the Blue Hall.
Speakers are required to drop off their presentations at least 2 hours before their scheduled presentation time.
If the presentation is scheduled early in the morning, we kindly ask the speakers to report to the Slide Preview Room one day before.
Use of own laptop is not permitted.

**Lectures – time limits**
We kindly ask the speakers to keep the time limits given. The lecture halls are equipped with time meters and a signal will show if the time limit was overrun by the speaker.
Oral Presentations are 15 minute long, including 5 minutes discussion, keynote lectures are 45 minute long (signed in the programme), including 10 minutes discussion at the end.
There will be no possibility to overrun the time limit.

**Posters**
The poster exhibition will take place in the White Hall at the Poster Area. Presenting authors are kindly asked to be at their poster during the poster viewing times.
We kindly ask the authors to set the posters within the given time frame. Please note, that the Organisers do not take responsibility of the posters left on the board.

**Instructions for poster presentation**
Posters should have a clearly presented heading including the title of the presentation, names of authors and their affiliation. Use letters large enough to be read from a distance of 1,5 m.
The poster must fit the size of the poster board: 90 cm wide and 120 cm high. Horizontal / landscape format is NOT accepted.
All bits and pieces needed to hang the posters will be available at the congress venue.
UNLIMITED FERTILITY
ROVIMIX® ß-CAROTENE – THE FIRST STEP TOWARDS OPTIMUM FERTILITY IN DAIRY COWS

ROVIMIX® ß-Carotene and iCheck® – our package to improve fertility in dairy cows!
# Programme Overview

<table>
<thead>
<tr>
<th>Time</th>
<th>BLUE HALL</th>
<th>YELLOW HALL</th>
<th>RED HALL</th>
<th>PURPLE HALL</th>
<th>GREEN HALL</th>
<th>BROWN HALL</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.15–11.00</td>
<td>Poster Viewing Session No. I. / Visit Exhibition / Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.00–12.30</td>
<td>Nutrition and Metabolic Disorders II.</td>
<td>Mastitis / Udder Health and Milk Quality II.</td>
<td>Infectious and Zoonotic Diseases (Public Health) II.</td>
<td>Sheep, Goat Buffaloes II.</td>
<td>Herd Health Management and Epidemiology II.</td>
<td>Reproduction Workshop II.</td>
</tr>
<tr>
<td>12.30–14.00</td>
<td>Lunch</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.15–17.00</td>
<td>Poster Viewing Session No. I / Visit Exhibition / Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.00–18.30</td>
<td>Intervet Symposium (Blue Hall): Control of Bluetongue Serotype 8 in Europe</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Reproduction Workshop IV.</td>
</tr>
<tr>
<td>Time</td>
<td>BLUE HALL</td>
<td>YELLOW HALL</td>
<td>RED HALL</td>
<td>PURPLE HALL</td>
<td>GREEN HALL IV. Symposium of ECBHM</td>
<td>BROWN HALL</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------</td>
<td>--------------------------------------------------</td>
<td>--------------------------------------------------</td>
<td>--------------------------------------------------</td>
<td>-----------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>08.30–10.15</td>
<td>Nutrition and Metabolic Disorders IV.</td>
<td>Mastitis / Udder Health and Milk Quality IV.</td>
<td>Infectious and Zoonotic Diseases (Public Health) IV.</td>
<td>Camelids I.</td>
<td>Herd Health Management and Epidemiology IV.</td>
<td>Perinatal Mortality Workshop I.</td>
</tr>
<tr>
<td>10.15–11.00</td>
<td>Poster Viewing Session No.II. / Visit Exhibition / Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.00-12.30</td>
<td>Bayer Symposium (Blue Hall): Epidemiology and Immunity in Cattle Coccidiosis</td>
<td></td>
<td></td>
<td></td>
<td>Perinatal Mortality Workshop II.</td>
<td></td>
</tr>
<tr>
<td>12.30-14.00</td>
<td>Lunch</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.00-16.15</td>
<td>Nutrition and Metabolic Disorders V.</td>
<td>Mastitis / Udder Health and Milk Quality V.</td>
<td>Infectious and Zoonotic Diseases (Public Health) V.</td>
<td>Camelids II. and Animal Behaviour and Welfare I.</td>
<td>Herd Health Management and Epidemiology V.</td>
<td>Mycoplasma Workshop</td>
</tr>
<tr>
<td>16.15-17.00</td>
<td>Poster Viewing Session No. II / Visit Exhibition / Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.00-18.30</td>
<td>Schering-Plough Symposium (Blue Hall): Advances in Lung Protection Therapy</td>
<td></td>
<td></td>
<td></td>
<td>Abortion Workshop</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>BLUE HALL</td>
<td>YELLOW HALL</td>
<td>RED HALL</td>
<td>PURPLE HALL</td>
<td>GREEN HALL</td>
<td>BROWN HALL</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------</td>
<td>------------------------------</td>
<td>---------------------------------------------</td>
<td>-------------------------------------------------</td>
<td>-------------------------------------------------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>08.30-10.15</td>
<td>Reproduction and Biotechnology I.</td>
<td>Lameness I.</td>
<td>Calf Physiology, Management and Disease I.</td>
<td>Animal Behaviour and Welfare II. and Genetics and Breeding (Crossbreeding)</td>
<td>Nutrition and Metabolic Disorders VI.</td>
<td>IBR Workshop I.</td>
</tr>
<tr>
<td>10.15-11.00</td>
<td>Poster Viewing Session No. III. / Visit Exhibition / Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.00-12.30</td>
<td>Novartis Symposium (Blue Hall):</td>
<td></td>
<td></td>
<td></td>
<td>IBR Workshop II.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Good Cattle are not Created Inside a Box. Improvements for your Cattle Management Strategies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.30-14.00</td>
<td>Lunch</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.00-16.15</td>
<td>Reproduction and Biotechnology II.</td>
<td>Lameness II.</td>
<td>Calf Physiology, Management and Disease II.</td>
<td>Good Veterinary Practice (Antibiotic Resistance)</td>
<td>Nutrition and Metabolic Disorders VII.</td>
<td>Education Workshop I.</td>
</tr>
<tr>
<td>16.15-17.00</td>
<td>Poster Viewing Session No. III / Visit Exhibition / Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.00-18.30</td>
<td>Pfizer Symposium (Blue Hall):</td>
<td></td>
<td></td>
<td></td>
<td>Education Workshop II.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fertility Management: Future-Proofing the Cattle Industry</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>08:30-10:15</td>
<td>Reproduction and Biotechnology III.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:15-11:00</td>
<td>Poster Viewing Session No. IV. / Visit Exhibition / Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00-12:30</td>
<td>Lunch</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30-14:00</td>
<td>Reproduction and Biotechnology IV.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00-16:15</td>
<td>Reproduction and Biotechnology V.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:15-17:00</td>
<td>Reproduction and Biotechnology VI.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:00-18:15</td>
<td>Reproduction and Biotechnology VII.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:15-18:30</td>
<td>Poster Viewing Session No. IV. / Visit Exhibition / Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20:00-</td>
<td>Gala Dinner at the Hungarian National Gallery</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Programme Overview July 10.**
Oral Presentations
July 7, Monday

08.30-10.15 Nutrition and Metabolic Disorders I. Blue Hall

Chairmen: E. Brydl (Hungary) – M. Fürll (Germany)

1
(45’) Immune Suppression around the Time of Calving and the Impact of Metabolic Diseases
J. Goff (United States)

2
Polyunsaturated Fatty Acid in Dairy Cows: a Case of Functional Feed (NAT-3)
G. Gabaldo¹, A. De Palma², A. Fusari², M. Pizzicara¹, S. Tinelli², A. Ubaldi² (¹France, ²Italy)

3
Three Methods of Supplementing Selenium to Intensively Grazed Beef Cattle
J. Maas (United States)

4
Clinicopathological Evaluation of Downer Dairy Cows with Fatty Liver
P. Kalaitzakis, N. Panousis, N. Roubies, N. Giadinis, E. Kaldrymidou, H. Karatzias (Greece)

5
Vitamin E and Oxidative Damage in Heifers
R. Bouwstra¹, R. Goselink¹, P. Dobbelaar¹, M. Nielen¹, J. Newbold², T. Werven¹ (¹The Netherlands, ²Belgium)

08.30-10.15 Mastitis / Udder Health and Milk Quality I. Yellow Hall

Chairmen: Y. H. Schukken (United States) – P. Lekeux (Belgium)

6
(45’) Innate Immunobiology of the Bovine Mammary Gland and E. coli Infections
C. Burvenich, B. de Spiegeleer, L. Peelman, M. J. Paape (Belgium)

7
Health Status of Cows before Parturition Associated with Concentration of GM1 and IgG in Colostrum and Reflects Resistance of Acquiring New IMI at Early Lactation
G. Leitner, O. Krifucks, S. Jacoby, Y. Lavi, N. Silanikove (Israel)

8
Cell Differentiation in Milk of Cows with Healthy Udders
D. Schwarz, K. Failing, W. Wolter, C. P. Czerny (Germany)

9
Understanding Mastitis Epidemiology on Farm – Determining the Importance of the Dry Period in Mastitis Control
A. Bradley, M. Green (United Kingdom)

10
Mammary Gland Immune Dysfunction in High Yielding Dairy Cows Immediately after Calving: can Dietary Vitamin C Help?
J. Mehrzad, M. Talebkhan Garoussi, A. H. Falah Rad, N. Farzaneh, G. Hashemitabar (Iran)

08.30-10.15 Infectious and Zoonotic Diseases Red Hall (Public Health) I.

Chairmen: J. Verhoeff (The Netherlands) – L. Fodor (Hungary)

11
(20’) Paratuberculosis – Potentials and Limits of Surveillance Programmes
W. Baumgartner, J. Khol (Austria)

12
(25’) Paratuberculosis – Current Concepts and Future of the Diagnosis
H. Köhler, F. Gierke, P. Möbius (Germany)

13
National Milk Quality Assurance for Paratuberculosis in The Netherlands
M. Weber, P. Franken (The Netherlands)

14
Mycobacterium Avium Paratuberculosis Invades the Human Gut Epithelium and Elicits Local Inflammatory Response – Implications for the Pathogenesis of Crohn’s Disease
N. Shpigel, L. Golan, A. Livneh, I. Rosenshine (Israel)

15
Isolation and Characterization of Verocytotoxin-producing Escherichia coli O157 from Turkish Cattle
O. Aslantas, S. Erdogan, Z. Cantekin, I. Gulacti, G. Evrendilek (Turkey)

16
A Seroepidemiological Study of Bovine Leptospirosis in Bouyer Ahmad District, Western Iran
E. Rahimikia, G. Abdollahpour, E. Mostafavi (Iran)

08.30-10.15 Sheep, Goat and Buffaloes I. Purple Hall

Chairmen: S. Franz (Austria) – V. Jurkovich (Hungary)

17
Effect of Vaccination against Enterotoxaemia of Pregnant Ewes on Antitoxin Alpha and Epsilon Antibodies in Colostrum, Milk and Lambs after Colostrum Intake
M. Socié-Jacob, B. Bolkarerts, L. Wiggers, J. Van de Ven, N. Kirschvink (Belgium)
18 **Quantification of Foot and Mouth Disease Virus Excretion and Transmission within Groups of Lambs with and without Vaccination**  
K. Orsel, A. Dekker, A. Bouma, J. Stegeman, M. de Jong (The Netherlands)

19 **Definition of Uncommon Fatal Toxoplasmosis in Newborn Lambs**  
H. Atmaca, O. Kul, N. Ocal, C. Babur, N. Kabakci (Turkey)

21 **The Role of Estradiol and Somatotropin in the Pathogenesis of Ovine Pregnancy Ketosis**  
R. Everts, R. Jorritsma, M. Houweling, L. van Leengoed, A. Tielens (The Netherlands)

22 **Individual Animal Risk Factors for Ovine Clinical Mastitis**  
S. Waage, S. Vatn (Norway)

23 **Relationship between Bluetongue Virus Infection, Cyclicity and Individual Characteristics of Ewes before Autumnal Breeding in Texel Sheep Flocks in North of France**  
C. Ponsart, N. Pozzi, D. Jean Gilles, J. M. Camus, M. C. Deloche, S. Bareille, A. Bensmaili, P. Humblot, B. Guerin (France)

08.30-10.15 **Herd Health Management and Epidemiology I.**  
**Green Hall**

Chairmen: J. Noordhuizen (France) – L. Könyves (Hungary)

24 **Farm Management: The „Invisible Cow“ in Herd Health Practices**  
A. Brand, K. A. M. Peeters (The Netherlands)

25 **Concept, Implementation and Evolution of Uniform, a Veterinary-based Herd Health and Production Management Program for the Dairy Veterinary Practice and Farms**  
B. Van Ranst1, T. Caluwaerts2, H. J. Van der Beek, G. Opsomer3 (1The Netherlands, 2Belgium)

26 **Lactation Curve Analysis in Dairy Herd Management**  
M. Krogh, C. Enevoldsen (Denmark)

27 **Developing and Marketing a Beef Production Medicine Program in Private Practice**  
W. Hilton (United States)

28 **Preliminary Results of a General Health Monitoring System for Cattle in Austria**  
W. Obstitzhauser, C. Egger-Danner, B. Grassauer, W. Holzhacker, P. Winter (Austria)

08.30-10.15 **Reproduction Workshop I.**  
**Brown Hall**

Chairmen: O. Szenci (Hungary) – M. E. Or (Turkey)

29 **Factors which may Affect Reproductive Performance in Dairy Cattle**  
O. Szenci (Hungary)

30 **Farm Management as an Important Tool for Improving Fertility in Dairy Cows**  
J. Cannas da Silva1, J. Noordhuizen2 (1Portugal, 2France)

31 **Extended Voluntary Waiting Period for Fertility Improvement**  
O. Campuzano Reyes (Mexico)

32 **Factors Affecting Reproductive Performance in Israeli Dairy Herds**  
N. Galon (Israel)

33 **Declining Fertility in Dairy Cows in Japan and Effort to Improve the Fertility**  
T. Naka (Japan)

10.15-11.00 **Poster Viewing Session I. / Coffee Break**

11.00-12.30 **Nutrition and Metabolic Disorders II.**  
**Blue Hall**

Chairmen: E. Brydl (Hungary) – M. Fürll (Germany)

34 **Serum Non-Esterified Fatty Acid and Beta-Hydroxybutyrate in the Transition Period and their Associations with Disease in Dairy Cows**  
M. Carson1, S. LeBlanc1, S. Godden2, M. CapeF, M. Overton3, J. Santos4, K. Leslie1, T. Duffield1 (1Canada, 2United States)

35 **The Effect of Organic and Inorganic Dietary Selenium Sources on Selenium Levels in Blood, Colostrum and Milk and Metabolic Profile in Dairy Cows**  
D. Kumprechtova1, J. Illek1, N. Ballet2 (1Czech Republic, 2France)

36 **The Influence of Subclinical Hypocalcemia on Production and Reproduction Parameters in Israeli Dairy Herds**  
C. Gild, N. Alpert, M. Van-Straten (Israel)

37 **Fatty Liver and Serum Concentrations of Insulin and Glucose in Dairy Cows**  
D. Kirovski, H. Samac, M. Jovanović, N. Fratrić, D. Gvozdić, I. Vujanac, B. Dimitrijević (Serbia)
### Oral Presentations

**July 7, Monday**

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>Metabolic Syndrome in Cows: TNF-1 and Fat Metabolism in Heifers with Different Body Condition (BCS) at Parturition</td>
<td>M. Fürll, N. Jatzke, K. Bauer, I. Steinhöfel, J. Gottschalk, U. Sack, A. Einspanier</td>
<td>Germany</td>
</tr>
<tr>
<td>39</td>
<td>Influence of Gluconeogenesis on Metabolic Status and Appereance of Oxydative Stress in Peripartal Cows</td>
<td>B. Dimitrijević, S. Borozan</td>
<td>Serbia</td>
</tr>
</tbody>
</table>

#### 11.00-12.30 Mastitis / Udder Health and Milk Quality II. **Yellow Hall**

**Chairmen:** Y. H. Schukken (United States) – P. Lekeux (Belgium)

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>Using Polymerase Chain Reaction Techniques in the Diagnosis of Streptococcus agalactiae</td>
<td>P. Mansell, R. Agnew, G. Browning</td>
<td>Australia</td>
</tr>
<tr>
<td>42</td>
<td>Analytical Sensitivity of the PathoProof Mastitis PCR Assay Determined Using Two Different Experimental Approaches</td>
<td>M. Koskinen, J. Holopainen, J. Kurkela</td>
<td>Finland</td>
</tr>
<tr>
<td>43</td>
<td>Investigating the Use of Viscosity Measurements for the Quantification of the California Mastitis Test (CMT) in Dairy Cattle</td>
<td>J. Roberts</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>44</td>
<td>Prevalence if Intramammary Infections in Heifers around Calving in 40 Dairy Herds in the West of France</td>
<td>L. Durel, P. Moroni, C. Locatelli, L. Scaccabarozzi, E. Schmitt-Van de Leemput</td>
<td>France, Italy</td>
</tr>
<tr>
<td>45</td>
<td>Bovine Mastitis: Genotypes of Staphylococcus aureus Differ in their Clinical Outcome after Intramammary Infection</td>
<td>H. U. Graber</td>
<td>Switzerland</td>
</tr>
</tbody>
</table>

#### 11.00-12.30 Infectious and Zoonotic Diseases (Public Health) II. **Red Hall**

**Chairmen:** J. Verhoeff (The Netherlands) – L. Fodor (Hungary)

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>46</td>
<td>Isolation of Clostridium difficile from Veal Calves</td>
<td>L. Arroyo, A. Van Dreumel, R. Lothrop, H. Staempfli, J. Weese</td>
<td>Canada</td>
</tr>
<tr>
<td>47</td>
<td>Severe Outbreaks of Botulism in Cattle Herds in Flanders: 4 Case Reports</td>
<td>M. Coderis, M. Hostens, G. Opsomer</td>
<td>Belgium</td>
</tr>
<tr>
<td>48</td>
<td>Molecular Mechanism of Action of Pentosan Polysulfate on the Cellular Prion Protein</td>
<td>V. Stadnyk, C. Mayor, V. Vilizjo</td>
<td>Ukraine</td>
</tr>
<tr>
<td>49</td>
<td>Distribution of Abnormal Prion Protein in the Brain of Goats</td>
<td>E. Bouzalas, C. Dovas, S. Kritas, M. Papanastasopoulou, D. Papakostaki, E. Chatzinasiou, G. Ko topoulos</td>
<td>Greece</td>
</tr>
<tr>
<td>51</td>
<td>Retrospective Study of BSE Surveillance in Canada from 1992 to 2005</td>
<td>J. Kellar, L. Myers</td>
<td>Canada</td>
</tr>
</tbody>
</table>

#### 11.00-12.30 Sheep, Goat and Buffaloes II. **Purple Hall**

**Chairmen:** S. Franz (Austria) – V. Jurkovich (Hungary)

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>A Five-Year Longitudinal Study of Serum Antibody Responses in a Large Cohort of Dairy Sheep Infected with Mycobacterium Avium Subsp. Paratuberculosis (MAP)</td>
<td>G. Foucras, S. Lesceu, S. Cusie, A. Carta</td>
<td>France, Italy</td>
</tr>
<tr>
<td>53</td>
<td>European Field Clinical Studies with Cydectin 2% LA for Sheep</td>
<td>F. Blond</td>
<td>France, United Kingdom</td>
</tr>
<tr>
<td>54</td>
<td>Effect of Detomidine-Butorphanol-Ketamine and Atipamezole on Clinical, Cardiorespiratory, Haematological Parameters in Sheep</td>
<td>G. Atalan, V. Gunes, Z. Okumus, F. Celebi, G. Atalan</td>
<td>Turkey</td>
</tr>
<tr>
<td>55</td>
<td>Haematological and Clinical Biochemical Parameters for Adult Sheep and Goat</td>
<td>A. Tschuor, B. Riond, U. Braun, H. Lutz</td>
<td>Switzerland</td>
</tr>
<tr>
<td>56</td>
<td>Impact of Bluetongue Virus Serotype 8 on Rams’ Semen Quality</td>
<td>N. Kirschvink, M. Raes, C. Sægerman</td>
<td>Belgium</td>
</tr>
<tr>
<td>57</td>
<td>Preliminary Data to Suggest the Use of Colostrum and/or Milk Samples as Test Media for Johne’s Disease in Sheep and Goats</td>
<td>W. Ayers, B. Mamer, M. Bulgin</td>
<td>United States</td>
</tr>
</tbody>
</table>
11.00-12.30 Herd Health Management and Epidemiology II. Green Hall

Chairmen: J. Noordhuizen (France) – L. Könyves (Hungary)

58 A Contrast of Management Practices in Beef Herds with High versus Low Conception Rates
C. Heuer, D. West, G. Tattersfield, R. Jackson (New Zealand)

59 Comparison in Swiss Dairy Farms with and without a Herd Health Program
M. Hassig, D. Kemper-Gisler, A. Liesegang, U. Braun (Switzerland)

60 Rearing Conditions Affect Lifetime Performance and Health of Dairy Cows: an Observational Study in Swedish Herds
J. Hultgren, C. Svensson (Sweden)

61 Intensive Care – a Prerequisite to Controlling the Transition Period in Dairy Cows
M. Skřivánek, S. Šlosárková, P. Fleischer, J. Doubek (Czech Republic)

62 Association between Herd Management Characteristics and Abortion Rates, in Chilean Dairy Herds
P. Gädicke, O. Alocilla, R. Becker, G. Monti (Chile)

63 A Qualitative Inquiry into the Nature of Dairy Farmers’ Perception of Herd Health Management
E. Kristensen, C. Enevoldsen (Denmark)

11.00-12.30 Reproduction Workshop II. Brown Hall

Chairmen: O. Szenci (Hungary) – M. E. Or (Turkey)

64 Reproduction of Dairy Cows in New Zealand
N. Williamson (New Zealand)

65 Dairy Herd Production and Reproduction in Quebec and Canada
E. Bouchard, D. Du Tremblay (Canada)

66 Reproduction Performances and Risk Factors in Dairy and Beef Herds in Belgium
C. Hanzen, L. Théron, J. Sterkendries, Y. Laurent (Belgium)

67 A Wide Range of Tools to Improve Reproductive Performances in Dairy Cows
(30') C. Ponsart, B. Frappat, P. Le Mezec, H. Seegers, P. Paccard, P. Humblot (France)

68 Reproduction in Australian Dairy Herds
R. Rheinberger (Australia)

12.30-14.00 Lunch Break

14.00-16.15 Nutrition and Metabolic Disorders III. Blue Hall

Chairmen: J. Rehage (Germany) – T. Gaál (Hungary)

69 Incidence of Subclinical Metabolic Disorders in Hungarian Dairy Herds during the Last Decade
(45') E. Brydl, L. Könyves, L. Tegzes, V. Jurkovich, A. Tirián (Hungary)

70 Effect of BCS Change during the Dry Period on the Performance of Dairy Cows
T. Van Werven, D. Speksnijder, J. Papen, M. Nielen (The Netherlands)

71 Metabolic Syndrome in Cows: TNF-1 Concentrations before and after Parturition in Healthy and Ill Cows
B. Fürrl, G. Hädricht, M. Fürrl (Germany)

72 Prevalence of Subclinical Metabolic Disease in Transition Dairy Cows on Large Dairies in Peru

73 Evaluation of Three Laboratory Methods Measuring NEFA in Cow’s Blood
T. Gaál, P. Ribiczay (Hungary)

74 Non Invasive Detection of Hepatic Steatosis in Dairy Cows with Calibrated Ultrasonographic Image Analysis
A. Starke, J. Thijsse, W. Weijers, A. Haudum, K. Herzog, P. Wohlsein, C. de Korte, J. Rehage (1Germany, 2The Netherlands)

75 The Effect of Body Condition Score at Calving and Supplementation with Yeast on Feed intake, Blood Metabolites and Days to First Ovulation in Parturient Dairy Cows
14.00-16.15 Mastitis / Udder Health and Milk Quality III.  Yellow Hall

Chairmen: L. Fox (United States) – A. Delgado (Peru)

76 Milk Leukocyte Population Patterns in Relation to Milk Fraction, Lactation Stage and Udder Health
B. Bansal1, J. Hamann2, N. Grabowski2, F. Reinecke2, G. Klein2 (India, 2Germany)

77 Evolution of CMSCC in Intramammary Staphylococcus aureus Infected Cows after Calving and Treated at Dry Period
C. Ribeiro1, J. Gál1, D. Castro1, P. Teixeira1, A. Casas1, B. Fernández1, E. Barrio1, J. Simoes1 (Portugal, 2Spain)

78 Udder Health and New Disease Rates in Holstein-Friesian Cows in Relation to their Lactation Number
N. Grabowski, J. Hamann, G. Klein (Germany)

79 Thermography of the Udder Skin in Healthy Cows and after Experimentally Induced Escherichia coli-infection
M. Metzner, A. Glas, C. Sauter-Louis, W. Petzl, D. Mehne, H. Zerbe, W. Klee (Germany)

80 Economic Assessment of Selective versus Blanket Dry Cow Treatment Options Including Teat Sealer Use
H. Seegers, D. Billon, P. Roussel, F. Serieux, N. Bareille (France)

81 Risk Factors for Bacteriological Quality of Bulk Tank Milk in Prince Edward Island Dairy Herds
A. Elmoslemany, G. Keefe, I. Dohoo (Canada)

82 Effect of Early Milking of Calved Heifers and Selenium Supplementation on Incidence of Clinical Mastitis in Dairy Heifers
C. Compton, S. McDougall (New Zealand)

83 Effect of a Killed Whole-cell Streptococcus uberis Vaccine on Prevalence and Incidence of Streptococcus uberis Mastitis
S. McDougall, G. Tait, J. Moffat (New Zealand)

168 SCC Monitoring in my Practice
I. Király, T. Barkóczki (Hungary)

14.00-16.15 Infectious and Zoonotic Diseases (Public Health) III.  Red Hall

Chairmen: W. Baumgartner (Austria) – B. Nagy (Hungary)

85 Recent Trends in the Molecular Diagnosis of Emerging and Re-Emerging Transboundary Animal Diseases and in the Detection of Food- and Waterborne Infections
S. Belák, C. Stahl (Sweden)

86 Pressure Trivalent Induces much higher Neutralising Antibody Titres against BVDV-2 Strains than Monovalent BVD Vaccines
R. Raue, D. Hurst, J. Salt (United Kingdom)

87 Monitoring of a BVDV Infection in a Vaccinated Herd by Testing of Milk for Antibodies against NS3
B. Makoschey, H. Kuijk, J. Mars, W. bij de Weg, P. Franken (The Netherlands)

88 Transmission of Bovine Viral Diarrhoea Virus (BVDV) from Persistently Infected Calves to Naive in-contact Cattle is very Rapid and Efficient
B. Makoschey, M. Janssen (The Netherlands)

89 BVDV Type 1 and 2 Fetal Protection following the Use of a Modified Live Vaccine
W. Xue, D. Mattick, L. Smith, J. Maxwell (United States)

90 Risk Factors for Fetal Protection against Bovine Viral Diarrhoea Virus Type 1 Infection Using One Shot of the Mucosilfa Modified-live Virus Vaccine

91 Impact of Live and Killed Marker IBR Booster Vaccinations on BoHV-1 Shedding after Primovaccination with Live Marker IBR Vaccine
M. Pearce, J. Vangeel (United Kingdom)

14.00-16.15 Sheep, Goat and Buffaloes III.  Purple Hall

Chairmen: C. Ponsart (France) – A. Karen (Egypt)

92 Comparative Studies on Fluid Resuscitation in Goat under Surgical Hypovolemic Shock
M. Awad, I. Ahmed, H. Gohar, A. Ghanem (Egypt)

93 Estimation of Gestational Age in Egyptian Goats by Ultrasonographic Fetometry
A. Karen, E. Fatouh, S. Shokr (Egypt)

94 Diagnosis of Scrapie in Goats by the Detection of Abnormal Prion Protein in the Central Nervous System and Lymphoid Tissues
H. Cassard, F. Corbiere, C. Chauvineau-Perrin, C. Lacroux, F. Barillet, F. Schelcher, O. Andreoletti (France)
95 Limited Cross-Protection in Goats Following Immunization to Differing Field Isolates of Contagious Ecthyma
   J. Musser, C. Taylor, D. Waldron (United States)
96 Prevalence and Determinants of Ixodids in Domestic Goats Lower Punjab (Pakistan)
   S. Sajid, Z. Iqbal, N. Khan, G. Muhammad (Pakistan)
97 Effect of Boron on Haemogram and Biochemical Profile of Urine in Buffalo (Bubalus Bubalis) Calves Fed High Fluoride Ration
   V. Bharti, M. Gupta (India)
98 Estimation of Breeding Value of Milk Production in Iranian Buffaloes
   M. Sanjabi, A. Lavvaf, H. Naderfard (Iran)
99 Naloxon's Effects on Post-Thawed Buffalo Sperm Motility, Viability and Capacitation
   R. Minoia, F. Sassone, A. Guaricci, G. Neglia, L. Pavone, M. Nicassio (Italy)
100 Effects of Dexamethasone Administration Following Thiopentone Induced Circulatory Insufficiency in Buffaloes
    P. Peshin, J. Singh, R. Tyagi, A. Kumar, S. Singh (India)

14.00-16.15 Herd Health Management and Epidemiology III. Green Hall
Chairmen: G. Riddel (United States) – G. Kovac (Slovakia)

101 Analysis of Daily Body Weight of High Producing Dairy Cows: Cyclic Changes are Associated with Ovarian Activity
    M. Van Straten, M. Friger (Israel)
102 Use and Abuse of a Uterine Scoring System in Clinical Practice
    D. Nielsen, J. Jensen, R. Jespersen, C. Enevoldsen (Denmark)
103 A Government Subsidised Herd Health Pilot Programme: Four Years Progress (2004–2008)
    P. Mullowney, D. Barrett, R. Fallon, J. Egan, M. Good (Ireland)
104 A Comparison of Production, Calving and Fertility Related Events in 10 Irish Dairy Herds Located in the Vicinity of a Chemical Industrial Complex and 10 Dairy Herds Located in Non Industrialised Areas
    J. Buckley, P. O’Mahony, J. O’Donovan, D. Berry, K. O’Farrell (Ireland)
105 Prevalence and Geographic Distribution of BRSV and BCV in Dairy Herds in Two Neighbouring Veterinary Districts in Sweden
    A. Ohlson, M. Travén, U. Emanuelson, S. Alenius (Sweden)
106 Prevalence of Contagious Pathogens in Beef Cattle Herds with High and Low Reproductive Performance
    C. Heuer, D. West, G. Tattersfield, R. Jackson (New Zealand)
107 Detection of Fecal Shedding of Mycobacterium Avium Subsp. Paratuberculosis (MAP) in Calves and the Relationship to the Johne’s Status of their Dams
    M. Bolton, D. Grooms, J. Kaneene (United States)
108 Evaluation of a Bovine Paratuberculosis Control Program in a Texas Dairy
    M. Villarinio, E. Jordan (United States)
109 Association between Johne’s Disease Milk ELISA Test Result and Milk Production and Breed in Canadian Dairy Cows
    U. Sorge, D. Kelton, W. Sears, J. Jansen, A. Godkin, R. Cantin (Canada)

14.00-16.15 Reproduction Workshop III. Brown Hall
Chairmen: O. Szenci (Hungary) – A. S. Nanda (India)

110 β-Carotene in Dairy Cattle: Metabolism in the Ovary and Status Assessment
    (30') J. Schweigert (Germany)
111 β-Carotene in Dairy Cattle: Endocrinological and Metabolic Aspects Related to Fertility in the Peripartual Period
    (30') K. Kida (Japan)
112 β-Carotene Deficiency in Dairy Cattle: Reasons and Prevention
    (30') W. Schlipfka (Germany)
113 Factors Related to the Reproductive Performance of Dairy Herds in Chile
    L. Poo (Chile)
114 Factors Responsible for Increased Calving Intervals in Cross-bred Cows in India
    A. Nanda, J. Singh (India)

16.15-17.00 Poster Viewing Session I. / Coffee Break
**Oral Presentations**  
**July 7, Monday**

**17.00-18.30 Intervet Symposium: Control of Bluetongue Serotype 8 in Europe  
Blue Hall**

Bluetongue: the Virus and the Infection in Cattle and Small Ruminants  
E. Thiry (Belgium)

Midges as Vectors of Viruses of Bluetongue Disease and Measurements of Protection  
H. Mehlhorn (Germany)

Experimental Evaluation of an Inactivated Vaccine against Bluetongue Virus Serotype 8  
B. Makoschey (The Netherlands)

Come for an overview of bluetongue virus and the infection resulting for ruminants. World-recognized authorities will cover the most important aspects of the disease, including known vectors, best approaches to disease control, and the experimental evaluation of Bovilis BTV8, an inactivated vaccine that has proven safe and effective against BTV serotype 8.

Only adequate control measures can stop bluetongue disease from becoming endemic in Europe. Insecticidal treatment and hygienic steps must be combined with mass vaccination programs. Discover how early detection of bluetongue virus serotype 8 enabled rapid development of the necessary vaccine so that protection against the virus will be possible this year.

**17.00-18.30 Reproduction Workshop IV.  
Brown Hall**

**Chairmen:** O. Szenci (Hungary) – A. S. Nanda (India)

115 **Prevalence, Causes, Treatment and Prophylaxis of Cow Infertility in Poland**  
E. Malinowski (Poland)

116 **Factors of Non-infectious Nature Affecting Early Foetal Loss in High Producing Dairy Herds in North-Eastern Spain**  
F. López-Gatius¹, O. Szenci², G. Bech-Sábat¹, I. García-Ispierto¹, B. Serranod¹, P. Santolaria¹, J. Yániz¹ (¹Spain, ²Hungary)

117 **Performance Parameters and the Predicted Economic Return of Jersey Holstein-Friesian Crossbred Cows in Australian Pasture-based Herds**  
M. Pyman, K. Macmillan, G. Anderson (Australia)

118 **Factors Influencing Fertility in German Dairy Herds**  
E. Leitgeb¹, R. van Saun² (¹Germany, ²United States)

119 **Interrelationships between Production and Reproduction in German Dairy Cows**  
E. Leitgeb¹, R. van Saun² (¹Germany, ²United States)

120 **Comparison of the Efficiency of Different Treatment Regimes for Estrus Synchronization of Cows in the Mexican Tropic**  
N. Pena, J. Ávila, J. Martínez, O. Hernández, A. Hernández (Mexico)
Give them a whole world of protection

Today’s farmer is looking to you to keep the herd healthy and productive. You need to work together to define the best vaccination regime for the farm’s economic well-being. And you need more than just the best vaccines in order to do that. Bovilis offers you, your farmers and their herds a whole world of protection. The very best in vaccines as part of a complete health management system, support services, continuous education and knowledge. Bovilis, a whole world of protection for you and your customers.
Oral Presentations
July 8, Tuesday

08.30-10.15 Nutrition and Metabolic Disorders IV.  Blue Hall
Chairmen: P. Constable (United States) – F. Húsvéth (Hungary)

121 Fat Supplements: Functional Feed for Dairy Cows?
J. Rehage (Germany)

122 Effects of Various Dietary Fat Supplementation on Liver and Blood Parameters in Energy Deficient Transition Cows
R. Karcagi, T. Gaál, P. Ribiczey-Szabó, R. Jolánkai, F. Húsvéth (Hungary)

123 Crimping of Barley Grain with High Moisture – Scandinavian Studies
H. Miettinen (Finland)

124 Crimping of Maize with High Moisture – Feed Hygienic and Economic Aspects
H. Miettinen, H. Karhola, G. Kovacs, I. Palko, L. Wagner, J. Peter Szucs, E. Brydul (Hungary, Finland)

125 Comparison of the Effect of Feeding of Crimped versus Dry Corn Grain in High Producing Dairy Cows

08.30-10.15 Mastitis / Udder Health and Milk Quality IV.  Yellow Hall
Chairmen: C. Burvenich (Belgium) – E. Malinowski (Poland)

126 Milk Quality Improvement and Mastitis Control on Dairy Farms.
The Case of Persistent Infections and Repeated Clinical Cases

127 Controlling Highly Prevalent Staphylococcus aureus Mastitis from the Dairy Farm
H. Nagahata, H. Maruta, S. Matsuki, H. Higuchi, K. Kawai, A. Anri (Japan)

128 The Recoveries from Acute Mastitis and Fertility Indices of Cows Treated with Antibiotics and Additional Medicine
E. Malinowski, S. Smulski, H. Markiewicz (Poland)

129 The Contagious Staphylococcus aureus Genotype B Affects the Presence of Other Mastitis-Relevant Bacteria in Dairy Herds
A. Michel, A. Steiner, H. Graber (Switzerland)

130 Epidemiology of Infectious Mastitis: a PCR Evaluation of Staphylococcus aureus Carrier Mammary Glands
F. Bispo, C. Rey, S. Matarazzzo, J. Arcaro, E. Costa (Brazil)

08.30-10.15 Infectious and Zoonotic Diseases (Public Health) IV.  Red Hall
Chairmen: S. Belak (Sweden) – L. Stipkovits (Hungary)

131 Evaluation of the Exhaustion Dynamics of MDA in IBR Cases
I. Szabo, T. Molnar, T. Abonyi (France, Hungary)

132 Differentiation of Malignant Catarhal Fever, Mucosal Disease and Bluetongue Based on the Retrospective Study of 115 Cases
R. Bexiga, H. Guyot, C. Saegerman, A. Mauroy, F. Rollin, E. Thiry, A. Philbey, D. Mello, D. Barrett, K. Ellis (United Kingdom, Belgium)

133 Evolution of the Clinical Expression of Bluetongue in Belgian Cattle during Year 2006 vs 2007
H. Guyot, A. Mauroy, F. Rollin, E. Thiry, B. Losson, C. Saegerman (Belgium)

134 Oesophageal Paresis in Cattle Associated with Bluetongue Serotype 8 Infection
B. Pardon, V. Vandenberge, R. Ducatelle, P. Deprez (Belgium)

135 Seroepidemiology of Bovine Leukemia Virus (BLV) Infection in the North Eastern Provinces of Iran
A. Haghighi, G. H. Mohammadi, S. H. Mousavi (Iran)

136 Individual and Herd Prevalence of Bovine Leukemia Virus Infection in Chilean Dairy Herds
G. Morii, M. Grau (Chile)

137 Q Fever (Coxiella burnetii) Eradication in a Dairy Herd by Using Vaccination with a Phase 1 Vaccine (Coxevac®, Ceva S.A.)
P. Camuset, D. Remmey (France)
## Oral Presentations
### July 8, Tuesday

#### 08.30-10.15 Camelids I.  
**Chairmen:** A. El-Sebaie *(Egypt)* – A. Rezakhani *(Iran)*  
**Purple Hall**

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>139</td>
<td>Infection with Mycobacterium microti in 10 South American Camelids</td>
<td>P. Zanolari¹, N. Robert¹, K. Lyashchenko², M. Meylan² *(Switzerland, <em>United States</em>)</td>
</tr>
<tr>
<td>141</td>
<td>Mastitis in Camels in Somalia and North Kenya</td>
<td>M. Younan¹, I. Gluecks² *(Kenya, <em>Switzerland)</em></td>
</tr>
<tr>
<td>142</td>
<td>Bilateral Surgical Fracture Repair in an Alpaca</td>
<td>J. Declercq, G. Vertenten, L. Devisscher, V. Barbéret, F. Gasthuys, P. Verleyen, A. Martens <em>(Belgium)</em></td>
</tr>
<tr>
<td>143</td>
<td>The Survey of Cystic Lithioasis in Camelids</td>
<td>M. Zaeeemi, Z. Khaki <em>(Iran)</em></td>
</tr>
</tbody>
</table>

#### 08.30-10.15 Herd Health Management and Epidemiology IV.  
**Chairmen:** A. Brand *(The Netherlands)* – E. Brydl *(Hungary)*  
**Green Hall**

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>146</td>
<td>Pathogens in Faeces of Calves Aged from 1-21 Days in Dutch Dairy Herds; Prevalence and Risk Factors, Preliminary Results</td>
<td>M. Holzhauer, C. Bartels, S. Blom, M. Oldenhof, T. J. G. M. Lam, T. Gee <em>(The Netherlands)</em></td>
</tr>
<tr>
<td>147</td>
<td>A Case Control Study of Paratuberculosis (Johne’s Disease) in Irish Dairy Herds</td>
<td>D. Barrett, S. More, M. Good, P. Mullowney, J. Mee <em>(Ireland)</em></td>
</tr>
<tr>
<td>148</td>
<td>Observations during a Risk Assessment Based Johne’s Disease Control Program in Ontario, Canada</td>
<td>U. Sorge, D. Kelton, W. Sears, J. Jansen, A. Godkin, R. Cantin <em>(Canada)</em></td>
</tr>
</tbody>
</table>

#### 08.30-10.15 Perinatal Mortality Workshop I.  
**Chairmen:** M. Taverne *(The Netherlands)* – J. Mee *(Ireland)*  
**Brown Hall**

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>The Dam and her Calf, before, during and after Parturition</td>
<td>M. Taverne <em>(The Netherlands)</em></td>
</tr>
<tr>
<td>151</td>
<td>Stillbirth in Dairy Cows from Science to Solutions</td>
<td>J. Mee <em>(Ireland)</em></td>
</tr>
<tr>
<td>152</td>
<td>Role of Acid-Base Disturbances in Perinatal Mortality of Calves</td>
<td>O. Szenci <em>(Hungary)</em></td>
</tr>
<tr>
<td>153</td>
<td>Development of a Clinical Score to Predict Calving, Supported by a Semi Quantitative Rapid 4 Test</td>
<td>D. Streyl, C. Sauter-Louis, F. Weber, H. Zerbe <em>(Germany)</em></td>
</tr>
</tbody>
</table>

#### 10.15-11.00 Poster Session Viewing II. / Coffee Break
Coccidiosis in mammals is an insidious threat and cause of economic loss for farmers. In this symposium, the epidemiology and immunity of coccidiosis will be discussed, and ways to better combat coccidiosis in mammals. Coccidiosis in mammals is caused by different pathogenic Eimeria species (cattle and sheep) and Isospora suis (pig). There are three main factors playing important role in the epidemiology of coccidiosis. These are the host animals, the environment and the parasite itself. Due to the variable epidemiological characteristics of coccidiosis caused by different Eimeria sp. and I. suis infections, the disease varies in terms of outbreak time and type of disease course. The age of animals, their immune status, the management system and environmental conditions are highly determinant factors in disease outbreak. Taking into account that the parasite itself needs to multiply via nuclear division in host intestinal mucosa cells for a certain time (prepatent period), causing intestinal damage and consequent clinical symptoms, the preventive method can be established according to the epidemiological character of each Eimeria sp. or I. suis coccidiosis. The immunity for the disease is important because the animals, whether untreated or treated, should build a natural immunity. This kind of immunity requires exposure to certain stages of the parasite, such as the extracellular stage (especially sporozoites). Therefore, the interaction of sporozoites with host cells should not be interrupted as sporozoites are immunogenic.

11.00-12.30 Perinatal Mortality Workshop II.

**Chairmen:** M. Taverne (The Netherlands) – J. Mee (Ireland)

- **154** Prediction of Calving on the Basis of Cattle’s Precolostrum
  G. Pohn, O. Szenci, Zs. Čsapó-Kiss, Zs. Mándoki, L. Faragó, M. Tesszler, J. Čsapó (Hungary)

- **155** Parturition Induction in Dairy Cattle to Decrease Losses in Reproductive Performance due to Potentially Large Calves
  A. Villarroel, V. Lane (United States)

- **156** Calf Mortality in Norwegian Dairy Herds
  S. M. Gulliksen, K. I. Lie, O. Østeras (Norway)

- **157** Stillbirth in Heifers: Experiences in the Netherlands
  J. Muskens (The Netherlands)

12.30-14.00 Lunch Break

14.00-16.15 Nutrition and Metabolic Disorders V.

**Chairmen:** J. Goff (United States) – H. Fébel (Hungary)

- **159** Strong Ion Difference Theory: a Revolutionary Approach to the Diagnosis and Treatment of Acid-Base Abnormalities in Cattle
  (45')
  P. Constable (United States)

- **160** Necessity of the New Biotechnological Methods for Avoiding Subacute Ruminal Acidosis
  S. Latos (Hungary)

- **162** Peripartum Heifer Response to Source of Starch in Prepartum Diet. I. Milk Production and Ruminal Parameters
  H. Mirzaei Alamouti, K. Yazdi, H. Amanlo, A. Tohidi (Iran)

- **163** Effect of Fresh Alfalfa Feeding on Blood Ammonia in Dairy Cows
  T. Gaál, P. Ribiczey, R. Karcagi, F. Hüsvéth (Hungary)

- **164** A New Bale-forming Technology: Higher Density and Fermentation Quality in Alfalfa Silage for Ruminants
  Sz. Orosz, Z. Bellus, S. Kapás (Hungary)

- **165** Periparturient Risk Assessments for Placenta Retention in Dairy Cows
  L. Könyves, O. Szenci, V. Jurkovich, L. Tegzes, A. Tirián, N. Solymosi, Gy. Gyulay, E. Brydl (Hungary)

- **166** The Effect of Micro-capsulated Yeast Supplementation on Rumen Fermentation in Sheep Fed with High-energy Diet
  V. Jurkovich, J. Kutasi, H. Fébel, L. Könyves, A. Tirián, E. Brydl (Hungary)
Take good care of your calves – because “simple” diarrhoea could turn out to be coccidiosis.

Coccidiosis is a major problem in cattle production. It affects a high percentage of calves, but awareness of the disease is still low. Coccidiosis is caused by parasites that are ingested with the feed and affect the digestive system of the animals. This can cause diarrhoea and lead to poor weight gain and low growth rates, and may even be deadly.

A “simple” case of diarrhoea may in fact be coccidiosis.

Bayer’s many years of experience in coccidiosis control have led to the development of Baycox® Bovis. A ready-to-use oral suspension that is especially formulated to control coccidiosis in calves. With a single dose you can take good care of your calves – and combat the negative effects of coccidiosis.

General Information: Baycox® may not be available in every country. Registration conditions may differ internationally. Please look into the registered indication in your country. www.baycox.com
26  XXV. World Buiatrics Congress

Oral Presentations
July 8, Tuesday

14.00-16.15  Mastitis / Udder Health and Milk Quality V.  Yellow Hall

Chairmen: T. Lam (The Netherlands) – P. Famigli-Bergamini (Italy)

166  Staphylococcus aureus Mastitis in Fresh Calved Heifers on a Dairy Farm in Hungary
A. Tiran, M. Kovács, E. Brydł, O. Szenci, L. Końyves, V. Jurkovich, E. Ungvári (Hungary)

167  Genotyping of Staphylococcus aureus Isolated from Bovine Mastitis Cases and Asymptomatic
Carrier Mammary Glands
F. Bispo, I. Rivera, J. Arcaro, E. Mamizuka, P. Melville, E. Costa (Brazil)

158  Prototheca blaschkeae Associated with Bovine Mastitis
S. Marques, E. Silva, C. Kraft, V. Huss, G. Thompson (Portugal, Germany)

169  The Hyperkeratosis of the Teat Channel in Portuguese Dairy Farms. General Causes and
Microbiological Effects
J. Sousa, C. Gomes, A. Pereira, H. Madeira, J. Niza-Ribeiro (Portugal)

170  Teat Stenoses and Injuries are an Important Aspect of the Daily Work in Dairies. Surgical and
Non-surgical Procedures which are Possible in the Cowshed
R. Ebner, F. Schlederer (Germany, Austria)

171  Investigation of an Extended Therapy Regime Using Penethamate Hydriodide for the Treatment
of Persistent Intramammary Infection in U.K. Dairy Cows
J. Breen, M. Green, A. Bradley (United Kingdom)

14.00-16.15  Infectious and Zoonotic Diseases (Public Health) V.

Chairmen: H. Köhler (Germany) – F. Rollin (Belgium)

175  Serological Testing of Primiparous Cows and Young Cattle before Pregnancy is Useful to Detect
Acute Q-Fever Infection within Herds
J. Boettcher, A. Vossen, A. Gangl, N. Meier, A. Schnepp, G. Wittkowski (Germany)

176  Seroepidemiological Study of Crimean Congo Hemorrhagic Fever in Khurasan Provinces, Iran
E. Mostafavi, S. Bokaei, A. A. Haghdoost, H. Keivanfar, H. H. Gooya, M. Meshkati, A. R. Davari, S. Chiniak (Iran)

177  An Outbreak of Epizootic Hemorrhagic Disease Virus among Beef and Dairy Cattle in Israel
M. Kedmi, N. Galon, V. Bombarov, C. Batten, P. Mertens, S. Anthony, E. Klement (Israel, United Kingdom)

178  Evaluation of a New Respiratory Syncytial Virus Vaccine Candidate
J. F. Eleouet (France)

179  Efficacy of an Inactivated BTV-8 Vaccine against a Virulent BTV-8 Challenge in Sheep
C. Hamers, M. Blanchet, A. Chossat, L. Besancon, C. Cariou, E. Hanotel, S. Goutebroze (France)

180  Efficacy of an Inactivated BTV-8 Vaccine against a Virulent BTV-8 Challenge in Cattle
C. Hamers, M. Blanchet, F. Teppe, L. Besancon, A. Meyet, S. Goutebroze (France)

181  Rapid Detection of Rift Valley Fever Virus Based on Viral Small (S) RNA Genome Segment
I. Aradaib, M. Al-Dubaie (Saudi Arabia)

182  Prevention of Coxiella burnetii Shedding in Intended Dairy Herds Using a Monovalent Vaccine
Containing Phase-1 Coxiella burnetii
R. Guatteo, F. Beaudeau, A. Joly, D. Remmy, H. Seegers (France)

183  Development of Multiplex-PCR Techniques for Detection of Abortive Bacterial Infections of Sheep
B. Sarevychupoglu, K. Diker, S. Gungor, Z. Cantekin, R. Rahedi (Turkey)

14.00-16.15  Camelids II / Animal Behaviour and Welfare I.  Red Hall

Chairmen: J. Huxley (United Kingdom) – S. Alali (Morocco)

184  Investigations of Endo- and Ectoparasites in Camels (Camelus Bactrianus) in the Great Lake
Depression of Western Mongolia
D. Zaspa, A. Koehler, R. Sodnomdorjaa, M. Baumann, P. Clausen (Germany, Mongolia)
185 Seasonal Effects on Morphometric Parameters of Uterine Cornua in One-humped Female Camel (Camelus Dromedarius) in Pakistan

186 Morphometric Studies of Uterine Body and Cervix in Female One-humped Camel (Camelus Dromedarius) during Four Different Seasons in Pakistan

187 Cooling Strategies to Improve Milk Production under Heat Stress Conditions
L. Avendano¹, D. Alvarez¹, A. Correa¹, R. Perez¹, A. Algandar¹, R. Diaz¹, P. Robinson², J. Fadel² (¹Mexico, ²United States)

188 Stress Responses in Adult Cattle due to Surgical Dehorning Using Three Different Types of Anaesthesia
R. Lepkova, J. Sterc, V. Vecerek (Czech Republic)

189 Current Attitudes of European Veterinary Practitioners toward Pain and the Use of Analgesics in Cattle
J. Huxley, P. Van Dijk, M. Gidekull, J. Novotny, J. Tomcova (Slovakia)

190 Improving Welfare and Health of Dairy Cattle through Structured Design of Husbandry Systems
I. Van Dixhoorn, P. Groot Koerkamp (The Netherlands)

191 Lesions at Medial Side of the Hock in Dairy Cattle
M. Holzhauer, G. Jousma, J. Hulsen, P. J. Egberink (The Netherlands)

192 Argentine Biotype Holstein and its High Plasticity, Based on the Production System

14.00-16.15 Herd Health Management and Epidemiology V. Green Hall

193 Parameters of the Antioxidative Status in Calves and Growing Cattle
T. Sattler, D. Haser, M. Fürll (Germany)

194 Acute Phase Proteins and Variables of Enzymatic and Hepatic Profile in Dairy Cows during the Pre- and Postpartal Period
G. Kovac, Cs. Tothova, O. Nagy, H. Seidel, J. Novotny, J. Tomcova (Slovakia)

195 Changes in Plasma Beta-Carotene Levels during the Peripartum Period Relate to Ovulation of First Follicular Wave Postpartum in Dairy Cows
K. Kidke¹, C. Kawashima¹, F. Schweigert², K. Sawada¹, A. Miyamoto¹ (¹Japan, ²Germany)

196 The Prevalence of Clinical and Subclinical Endometritis Diagnosed by Cytological Examination in Grazing Dairy Cattle in Argentina
J. Ploentzke¹, V. Madoz², M. Drillich¹, R. de La Sota², W. Heuwieser¹ (¹Germany, ²Argentina)

197 Prevalence of Subclinical Endometritis in Lactating New York State Dairy Cows Shortly before First Service
S. Cheong, D. Nydam, K. Galvao, R. Gilbert (United States)

198 A Sanitation Program for Swiss Dairy Herds with Udder Health Problems Caused by Intramammary Infections with Staphylococcus aureus
M. Kaucziger, T. Kaulmann, R. Eicher, D. Strabel, A. Steiner (Switzerland)

199 Characterization of Bovine Abortion Syndrome Incidence in Chilean Dairy Herds
P. Gądicke, O. Alcocilla, K. Amenabar, R. Becker, G. Monti (Chile)

200 Molecular Characterization of a 60 kDa Mycobacterium bovis-specific Antigen: Towards Production of Reliable Skin Test for Bovine Tuberculosis
A. Mohamed, E. Nasr, G. Abou El-Ella (Egypt)

201 Reflections on a Massive Bovine Tuberculosis Outbreak in a Dairy Herd in Eastern Cape Province, South Africa
L. Lwanga-Iga, N. Fischer, S. Kroll-Lwanga-Iga, L. Potgieter (South Africa)

14.00-16.15 Mycoplasma Workshop Brown Hall

202 Mycoplasma Diseases in the Bovine: Diagnosis, Prevention and More
L. Fox, C. Schneider, L. Stipkovits (United States, Hungary)

203 Mycoplasma bovis Infection in Calves
L. Stipkovits, S. Szatmary (Hungary)

204 Prevalence of Mycoplasma bovis Infection in French Dairy Cattle
M. A. Arcangiolì, M. A. Botrel, M. Chazel, E. Sellal, P. Bézille, F. Poumarat, D. Le Grand (France)

205 Epidemiological Surveillance of Ruminant Mycoplamosis in France
F. Poumarat, M. A. Arcangiolì, M. Chazel, D. Le Grand, P. Gauriavud, F. Tardy, D. Calavas (France)

206 Prevalence and Control of Mycoplasma bovis in Europe
R. Nicholas, E. Raedelli, M. Luini, G. Loria, R. Ayling, E. Scanziani (United Kingdom, Italy)
16.15-17.00 Poster Viewing Session II. / Coffee Break

17.00-18.30 Schering-Plough: Advances in Lung Protection Therapy  
Blue Hall

**Efficacy of Florfenicol Administered with or without Flunixin against Experimental Infection of Calves with Mycoplasma bovis**  
D. Reddick (United Kingdom)

**Distribution and Florfenicol Susceptibility of Mycoplasma bovis and Select Other Mycoplasma Species from 2006 Clinical Trials Conducted in Various Regions of the United States**  
D. J. Bade (The Netherlands)

**Inflammation in Bovine Respiratory Disease**  
E. Thacker (The Netherlands)

**Comparative Efficacy of Flunixin Meglumine in a Tissue Cage Model of Inflammation**  
O. Roy (France)

**The Pharmacokinetics and Pharmacodynamics of Flunixin in Cattle: a Review of Original and Published Studies**  
A. J. Weingarten (United States)

**Associations between Lung Lesions and Grade and Estimated Daily Live Weight Gain in Bull Beef at Slaughter**  
P. Williams (United Kingdom)

Learn how to alter the severe impact of subclinical lung damage on growth and carcass quality of cattle. Leading authorities present the pathogenesis of BRD along with data on specific Mycoplasma species prevalence, efficacy of flunixin meglumine injectable, and appropriate intervention strategy. This information should prove especially useful when shared with farmers to encourage effective management changes.

17.00-18.30 Abortion Workshop  
Brown Hall

Chairmen: R. Murray (United Kingdom) – L. Stipkovits (Hungary)

**207 Developing an Evidence-based Diagnostic Approach for Perinatal Mortality in Cattle**  
R. Murray (United Kingdom)

**208 Prevalence of Salmonella as Cause of Abortions in Cattle in Southwest Ireland and Protective Effect of Vaccinations**  
J. Crilly, E. Power, C. Sanchez-Miguel, D. Dufe, B. Makoschey (Ireland, The Netherlands)

**209 Sero-Epidemiology of Brucellosis in Goats at Rakh Khaire Wala Farm District Layyah, Pakistan**  
M. Arshad, M. Munir, Z. Abbas (Pakistan)
BRD. Now you see it. Now you don’t.

Choose Resflor® and take control of bovine respiratory disease (BRD) in an instant. Fast, visible recovery and reduced lung consolidation. Lung lesions have been associated with reduced meat quantity and quality. For a new, powerful BRD treatment with results you’ll see before your very eyes, ask your vet about Resflor®.

Oral Presentations
July 9, Wednesday

08.30-10.15 Reproduction and Biotechnology I. Blue Hall
Chairmen: B. van der Weijden (The Netherlands) – Cs. Bajcsy (Hungary)

210 (45') Peri-parturient Changes of Metabolic Hormones and their Clinical and Reproductive Relevance: in Dairy Cows
Gy. Huszenicza1,2, M. Keresztes1, O. Balogh1, V. Faigl1, L. Kátai1, J. Földi1,2, K. Lemoniati3, M. Kulcsár4 (Hungary1, France2, Cyprus3)

211 Endocrine Status of Holstein Dairy Cows with Different Milk Production during Late Pregnancy and Early Lactation
D. Gvozdic1, H. Samanc1, B. Kovacevic1, D. Kirovski1, N. Fratric2, I. Vujanac2, B. Dimitrijevic2 (Serbia1, Bosnia and Herzegovina)

212 Influence of Peripartal Disturbances on the Humoral Immunity in Dairy Cows
M. Herr, H. Bosdew (Germany)

213 In vitro Studies for an Objective Comparison of Different Obstetric Measures in Holstein Friesian Cattle
M. Becker, G. Tsousis, C. Heun, F. Goblet, M. Lüpke, H. Seifert, H. Bollwein (Germany)

214 Cystic Ovarian Diseases in Dairy Cows: Epidural GnRH and Calcium/Naloxone Administration
M. Cinone1, G. Minoa, D. Robbe, A. Guaricci, D. Coronati, M. Mutinati, A. Rizzo (Italy)

08.30-10.15 Lameness I. Yellow Hall
Chairmen: A. Steiner (Switzerland) – J. Lehoczky (Hungary)

215 Managing Cattle Lameness: Lessons from Prevalence and Incidence Data
C. Guard (United States)

216 Prevalence of Claw Disorders and the Need for Regular Examination of Claws in Dairy Cows from Smallholder Units of Peri-urban Nairobi, Kenya

217 The Use of Infrared Thermography (IRT) in Detecting Lameness in Dairy Cows
C. Gelfert1, A. Onmaz2, G. Atalan2, V. Günes2, A. Düzler2, I. Nur2, M. Kibar2 (Austria, Turkey)

218 Effectiveness of Walk Through Footbath Solutions in Comparision to the Individual Topical Therapy in Case of Outbreakes of Dermatitis Digitalis in Dairy Herds
B. Zemljič (Slovenia)

219 Association between Digital Disorders and Reproductive Indices in Dairy Cows: Study on Farm Level
K. Houshangi, I. Nowrouzian, P. Hovareshti, M. Bolourchi (Iran)

08.30-10.15 Calf Physiology, Management and Disease I. Red Hall
Chairmen: J. Mee (Ireland) – Gy. Mészáros (Hungary)

220 How Transcriptomic Studies may Help to Improve the Control of Bovine Diseases: an Example with Calf Pneumonia and Endotoxemia
P. Lekeux, H. Wallemacq, E. Ramery, F. Bureau (Belgium)

221 Retrospective Cross-sectional Study of all Calves with Diarrhea Referred to the Ruminant Clinic, Berne, 1990-2007
M. Bodmer, M. Meylan, F. Lanz, T. Kaufmann (Switzerland)

222 Risk Factors for Calf Mortality in Large Swedish Dairy Herds – Gastrointestinal Disorders
M. Gidekull, C. Hallén-Sandgren, A. Lindberg, C. Svensson, M. Törnquist (Sweden)

223 Rapid Assay Evaluation to Detect Different Enteropathogens in Calf Faeces
D. Klein, A. Kern, G. Lapan, V. Benetka, K. Möstl, A. Hassl, W. Baumgartner (Austria)

224 Comparison of Different Strategies for the Therapy of Acidosis in Calves with Neonatal Diarrhea
I. Lorenz1, G. Haase2, W. Klee2 (Ireland, Germany)

08.30-10.15 Animal Behaviour and Welfare II. / Genetics and Breeding (Crossbreeding) Purple Hall
Chairmen: A. Gentile (Italy) – I. Hullár (Hungary)

225 Survey Results on the Welfare of Dairy Cows in 250 Italian Farms
A. Peli, L. Scagliarini, A. Serraino, F. Giacometti, S. Cinotti, P. Famigli-Bergamini (Italy)
Wednesday - Oral Lectures

31 XXV. World Buiatrics Congress

Oral Presentations

July 9, Wednesday

226 Social Organization and Level of Interactivity in a Beef Cattle Mixed-breed Herd
A. Landaeta-Hernandez1, P. Chenoweth2, R. Randles3, R. Littell3, D. Rae4 (1Venezuela, 2Australia, 3United States)

227 Genetic Relationship of Body Energy and Blood Metabolic Traits with Reproduction and Reproductive Health in Dairy Cows
G. Oikonomou, G. Arsenos, G. Valergakis, A. Tsiaras, D. Zygojanni, G. Banos (Greece)

228 Bovine Growth Hormone Receptor (BGHR) Polymorphism – associations with Metabolic, Size and Fertility Traits in Dairy Heifers
J. Brickell1, N. Bourne1, J. Nkrumah2, N. Otter3, D. Wathes1 (1United Kingdom, 2United States)

229 Bovine MHC Class II Structure-Function Relationships: Implications for Genetic Breeding and Vaccine Development
A. Haghparast (Iran)

230 Phylogenetics of the Hungarian Grey Cattle Breed Based on Mitochondrial DNA
A. Maróti-Agőts, I. Bodó, N. Solymosi, L. Zöldag (Hungary)

231 Growth Performance, Carcass Traits and Meat Quality of Young Bulls of Four Dual Purpose Breeds of the Italian Alps
M. Brscic, M. Colautti, F. Gottardo, B. Contiero, G. Cozzi (Italy)

08.30-10.15 Nutrition and Metabolic Disorders VI. Green Hall

Chairmen: C. Hanzen (Belgium) – R. D. Ollhoff (Brazil)

232 The Effect of Feeding of Micro Capsulated Viable Yeast on Rumen Fermentation, Health and Milk Production of Dairy Cows
E. Brydl, A. Tirián, L. Könyves, V. Jurkovich, L. Tegzes, L. Horváth, M. Török, Zs. Szabó, J. Kutasi (Hungary)

233 Subacute Rumen Acidosis in Intensive Italian Dairy Herds: Occurrence and Clinical Approach
M. Gianesella, C. Stelletta, C. Cannizzo, P. de Battisti, M. Morgante (Italy)

234 Measuring Rumen pH and Temperature by an Indwelling and Wireless Data Transmitting Unit – Application under Different Feeding Conditions
J. Gasteiner, S. Rosenkranz, M. Fallast, T. Guggenberger (Austria)

235 Blood and Ruminal Biochemical Modifications and Clinical Signs after 1 and 2 % Body Weight Intoxication with Soybean Meal in Dairy Steers
D. Raboisson, A. Ferrieres, F. Enjalbert, F. Schelcher (France)

236 The Effect of Rumen Mucosal Lesions on Growth in South African Feedlot Cattle
P. Thompson, W. Schultheiss, A. Hentzen (South Africa)

237 Case Report of Iodine Deficiency in an Organic Dairy Farm
I. Schlemmer, M. Metzner, S. Reese, U. Ebert, W. Klee (Germany)

238 Dynamics of Bone Metabolism in High Pregnant Heifers and First Lactation Cows
J. Starič, M. Nemec, J. Ježek, M. Klinkon, T. Zadnik (Slovenia)

08.30-10.15 IBR Workshop I. Brown Hall

Chairmen: E. Thiry (Belgium) – S. Belák (Sweden)

239 The Present and the Future of IBR Control
(25’) P. Franken (The Netherlands)

240 Infectious Bovine Rhinotracheitis and the Epidemiological Role of the other Ruminant Species
(25’) J. Thiry, B. Muylken, E. Thiry (Belgium)

241 Pitfalls in IBR Diagnosis in the Field
(25’) M. Beer, P. Koenig (Germany)

242 Prevalence and Risk Factors for Bovine Herpesvirus 1 Infection in Cattle Herds from Parana State, Brazil
J. Dias, A. Alfieri, J. Ferreira Neto, E. Muller, A. Alfieri (Brazil)

243 Bovine Herpesviruses in Argentina: Present and Future
S. Romera, M. Vena, A. Sadir (Argentina)

10.15-11.00 Poster Viewing Session III. / Coffee Break
Oral Presentations
July 9, Wednesday

11.00-12.30 Novartis Symposium:  Blue Hall
Good Cattle are not Created Inside a Box. 
Improvements for your Cattle Management Strategies

Featured Speakers:

J. Herbert (United States)
J. Vercruysse (Belgium)

New and usable information will be presented during the symposium to help simplify some common management concerns for cattle veterinarians and producers alike.

Infectious Bovine Rhinotracheitis (IBR) is a disease causing respiratory and reproductive problems in many herds today. Recently published research regarding preventing the reproductive aspects of this disease with an efficacious and safe vaccine will be presented. This exciting new evidence shows a properly adjuvanted, inactivated viral vaccine can assist in the successful management of IBR abortion, in an uncomplicated manner. The relationship of parasitism and weight gain in modern production systems is well documented. The additional effects on the immune system, and other effects, are just a few of the new findings from the EU initiative, PARASOL. Exploring the sub-clinical effects of parasitism and how to better manage anthelmintic use will also be discussed. Different strategies and concepts for managing this very real problem have been tested and trialed in this valuable research, by one of the world's leading parasitologists.

11.00-12.30 IBR Workshop II. Brown Hall
Chairmen: E. Thiry (Belgium) – S. Belák (Sweden)

244 IBR in France: from Voluntary Holding Certification to Eradication
H. Petit (France)

245 An Update on IBR Control in Italy
S. Cavirani (Italy)

246 Epidemiology and Eradication of the BHV-1 Infection by the Example of Selected Farms in Lower Saxony
J. Teuffert, K. Wiedl, F. Conraths (Germany)

247 Evaluation of the Probability of Transmission of a Live BoHV-1 Marker Vaccine to Sentinels after Intranasal or Intramuscular Application
B. Makoschey1, J. Patel1, M. Beer2 (1The Netherlands, 2United Kingdom, 3Germany)

248 Evolution of the Net Reproductive Ratio of Bovine Herpes Virus Type 1 Infection in Hyperimmunized Dairy Herds: a Longitudinal Study in the Field
M. Dispas1, R. Soares Magalhaes2, M. Pearce2, A. Dupont2, E. Thiry1, P. Kerkhofs1 (1Belgium, 2United Kingdom)

249 Evolution of the Net Reproductive Ratio of Bovine Herpes Virus Type 1 Infection in Hyperimmunized Dairy-beef Mixed Herds: a Longitudinal Study in the Field
M. Dispas1, R. Soares Magalhaes2, M. Pearce2, A. Dupont2, P. Kerkhofs1, E. Thiry1 (1Belgium, 2United Kingdom)

250 Modelling the Impact of Vaccination on Bovine Herpesvirus 1 Eradication on Dairy Farms
L. Matthews, M. Pearce (United Kingdom)

12.30-14.00 Lunch Break
GOOD CATTLE ARE NOT CREATED INSIDE A BOX

Novartis Animal Health invites all WBC attendees to a 90-minute symposium on new research aimed at creating “good cattle” through vaccination and parasite control. Please join our featured speakers, Prof. Jozef Vercruysse, Ghent University, and John Herbert, International Project Leader Vaccines, Novartis Animal Health, on July 9, 2008, at 11:00 a.m. in the Plenary Room.
Oral Presentations
July 9, Wednesday

14.00-16.15 Reproduction and Biotechnology II. Blue Hall
Chairmen: – N. Williamson (New Zeland) – Gy. Huszenicza (Hungary)

251 Ovarian Follicular Development and Synchronization of Estrus and Ovulation in Cattle
J. P. Kastelic, R. J. Mapletoft, M. Colazo, M. F. Martinez
(45') Canada

252 Improving Fixed Time Artificial Insemination (FTAI) Pregnancy Rates in the Ovsynch (OV) Program in Non-cycling Lactating Dairy Cattle
E. Cochrane, R. Shephard, M. D’Occhio
(Australia)

253 Effects of Treatment of Dairy Cows “Not-detected in Oestrus” with Gonadotrophin Releasing Hormone, Prostaglandin and Progesterone
S. McDougall
(New Zealand)

254 Plasma Progesterone Profiles in Non-Lactating Holstein Friesian Cows and Japanese Black Beef Cows after an Intra-Vaginal Insertion of Two Types of Intra-Vaginal Progesterone Device with Different Contents of Progesterone
C. Yoshida, T. Nakao, S. Long
(Japan)

255 Control of Oestrus with a Progesterone Intravaginal Device (PRID®): Comparison of 2 Insertion Durations
S. Floch, F. Deletang, S. Freret, D. Remmy
(France)

256 Effect of Progesterone Supplementation post Conception on Embryo Survival Rate in Heifers
M. Beltman, P. Lonergan, J. Roche, M. Diskin, M. Crowe
(Ireland)

14.00-16.15 Lameness II. Yellow Hall
Chairmen: C. Guard (United States) – C. M. Mortellaro (Italy)

258 Long-term Radiographic and Histologic Findings after Resection of the Distal Interphalangeal Joint with Planter Approach in Dairy Cows
M. Heppelmann, J. Rehage, P. Wohlesein, A. Starke
(Germany)

259 Long-term Observations in Dairy Farms with Lameness Problems
K. Muller, T. Eilers, R. Piil
(Germany)

260 Associations between Milk (Daily Milk Yield, Percentage of Milk Protein, Fat and Fat-protein Ratio) and Occurrence of Claw Disorders in Holstein Cows
O. Pénkava, P. Fleischer, S. Slosárová, R. Dvořák
(Czech Republic)

261 Prevalence and Factors Affecting Lameness in Commercially Raised Dairy Cows
G. Oikonomou, K. Kougioumtzis, A. Tsarias, G. Arsenos, G. Valergakis, G. Banos
(Greece)

262 Strategies to Analyze Milk Losses Caused by Diseases with Potential Incidence throughout the Lactation: a Lameness Example
R. Bicalho, L. Warnick, C. Guard
(United States)

263 Functional Trimming at the Dry-off Period to Prevent Foot Diseases in Confined Dairy Cows in the Tropical Area
D. Garcia, M. Hahn, D. Pino, I. Vivas, M. Leal, K. Clerc
(Venezuela)

264 Significance of Stable Specific Protection in the Decrease of Loss Caused by Claw Disorders (Dermatitis Digitalis)
Gy. Szemerédi, L. Kocsis, Cs. Csorba, I. Kovács
(Hungary)

265 Clinical Efficacy of Ceftiofur Crystalline Free Acid against Naturally Occurring Bovine Interdigital Necrobacillosis
M. Lucas, S. Sunderland, W. Bryson, J. Watts, J. Watkins
(United States, United Kingdom)

266 Clinical Efficacy of Tulathromycin against Naturally Occurring Bovine Interdigital Necrobacillosis
(United States, United Kingdom)

14.00-16.15 Calf Physiology, Management and Disease II. Red Hall
Chairmen: T. E. Besser (United States) – I. Kacsakovcs (Hungary)

267 Association between Passive Transfer and Antimicrobial Resistance in the Entiric Flora of Calves
T. E. Besser, B. C. Berge, W. Sischo
(45') United States

268 Efficacy of Metaphylactic Florfenicol Therapy during Natural Outbreaks of Bovine Respiratory Disease
B. Catry, L. Duchateau, J. Van de Ven, G. Opsomer, F. Haesebruck, A. de Kruif
(Belgium)

269 Evaluation of the Role of Clostridium perfringens Type A in Bovine Neonatal Diarrhoea
C. Manteca, G. Czaplicki, A. Ginter, J. Bughin
(France, Belgium)

270 Neonatal Calf Diarrhoea in Problem Farms Solved in 5 Easy, Simple and Cost Effective Steps
J. Van De Ven
(Belgium)
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Hall</th>
<th>Chairmen</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.00-16.15</td>
<td>Good Veterinary Practice (Antibiotic Resistance)</td>
<td>Purple Hall</td>
<td>B. Rheinberger (Australia) – A. Ionescu (Romania)</td>
</tr>
<tr>
<td>274</td>
<td>Good Veterinary Practice to Improve Bovine Udder Health: do’s, don’ts and Opportunities (45’)</td>
<td></td>
<td>T. J. G. M. Lam 1, P. L. Ruegg 2, S. McDougall 3 (The Netherlands, United States, New Zealand)</td>
</tr>
<tr>
<td>275</td>
<td>Phenotypic and Genotypic Identification of Methicillin Resistance of Staphylococci Isolated from Mastitic Milk Samples</td>
<td></td>
<td>B. Sarayrupoglu, Z. Cantekin, M. Akan (Turkey)</td>
</tr>
<tr>
<td>277</td>
<td>Longitudinal Study on Antimicrobial Resistance Patterns of Salmonella spp. and E. coli Obtained from Dairy Cattle in Colorado, USA</td>
<td></td>
<td>A. Villarroel, D. Dargatz, M. Salmon, S. Ladely, P. Fedorka-Cray (United States)</td>
</tr>
<tr>
<td>279</td>
<td>Effects of Different Transport and Sampling Conditions on Blood Parameters of Dairy Cows</td>
<td></td>
<td>B. Schulze, C. Weber, H. D. Gremmels, K. Mülller (Germany)</td>
</tr>
<tr>
<td>280</td>
<td>Governance or Management as a Means against Emerging or Re-emerging Animal Diseases</td>
<td></td>
<td>R. Ugarte, D. César, G. Campón (Uruguay)</td>
</tr>
<tr>
<td>14.00-16.15</td>
<td>Nutrition and Metabolic Disorders VII.</td>
<td>Green Hall</td>
<td>J. Verhoeff (The Netherlands) – O. Podpecan (Slovenia)</td>
</tr>
<tr>
<td>281</td>
<td>Change in Hepatocellular Phosphorus Content during the Transition Period in Dairy Cows</td>
<td></td>
<td>W. Gruenberg 1, R. Stautenbirk 2, P. Constable 1, H. Dann 1, J. Drackley 1 (United States, Germany)</td>
</tr>
<tr>
<td>282</td>
<td>Effect of Vitamin D on the Bone Metabolism of Dairy Cattle with Hypophosphatemia</td>
<td></td>
<td>J. T. Wang 1, J. L. Li, S. W. Xu, F. Q. Shi (China)</td>
</tr>
<tr>
<td>283</td>
<td>Changes T3 and T4 Plasma Concentrations in Dairy Cows during Lactation</td>
<td></td>
<td>K. Senga, J. Illek, D. Kumprechtova, P. Novak (Czech Republic)</td>
</tr>
<tr>
<td>284</td>
<td>Predictive Value of Serum Biochemical Analysis on Treatment Outcome in 72 Recumbent Cows</td>
<td></td>
<td>J. Berchtold 1, H. Maiier 2, P. Constable 2 (Germany, United States)</td>
</tr>
<tr>
<td>285</td>
<td>Abnormal Dynamic Changes of Plasma Leptin are Associated with the Occurrence of Sub-clinical Ketosis in Dairy Cows around Parturitions</td>
<td></td>
<td>B. He, J. Huang, T. Hu, Y. Liao, Y. Du, J. Ma, G. Li (China)</td>
</tr>
<tr>
<td>286</td>
<td>Flying Scapulas as a Symptom of Muscular Dystrophy in Dutch Dairy Heifers</td>
<td></td>
<td>K. Jobs, B. Boeunstra, M. Holzhauer (The Netherlands)</td>
</tr>
<tr>
<td>287</td>
<td>Total Lipid and Triacylglycerol Determination in One Analytical Approach in Small Amounts of Bovine Hepatic Tissue</td>
<td></td>
<td>R. Busch, A. Haudum, A. Starke, J. Rehage (Germany)</td>
</tr>
<tr>
<td>288</td>
<td>Study on the Mechanism in the Damage of Erythrocyte Membrane in Low-phosphorus Cows</td>
<td></td>
<td>S. W. Xu, F. Q. Shi, D. W. Xuan (China)</td>
</tr>
<tr>
<td>289</td>
<td>Prevalence of Digital Dermatitis in First Lactation Cows Presented at Auction</td>
<td></td>
<td>M. Hulek, I. Sommerfeld-Stur, J. Kofler (Austria)</td>
</tr>
</tbody>
</table>
Oral Presentations
July 9, Wednesday

14.00-16.15 Education Workshop I. Brown Hall
Chairmen: W. Klee (Germany) – M. Garcia (Brazil)

290 Education in Biometrics, Now and in the Future
   (45') W. Klee (Germany)

291 On-farm Teaching of Veterinary Students – Experiences and Perspectives
   I. Klaas, R. Jorgensen, C. Enevoldsen (Denmark)

292 Recent Developments in Bovine Veterinary Education in Berlin with Students’ Eyes
   K. Heenemann, C. Weber, K. Muller (Germany)

293 Teaching and Learning in Bovine Health Management at University College Dublin: a Time of Change
   M. Doherty, L. O’Grady, A. Kelly, F. Mulligan, G. O’Neill (Ireland)

294 Veterinary Education in the Netherlands: Ready for the Future
   B. Hietberg (The Netherlands)

295 Using Rich Media for Teaching Veterinary Obstetrics
   J. Scherzer, M. Buchanan, J. Moore, S. White (United States)

296 The New Curriculum – Veterinary Medicine with Tracking in Food Animal Medicine – at the Vetsuisse-Faculty of the University of Berne, Switzerland
   L. Balet, K. Reinmann (Switzerland)

16.15-17.00 Poster Viewing Session III. / Coffee Break

17.00-18.30 Pfizer Symposium: Fertility Management: Future-proofing the Cattle Industry
Blue Hall

Featured Speakers:

S. Chastant-Maillard (France)
R. Saltman (United States)
J. Statham (United Kingdom)

The Pfizer Satellite Symposium will delve into the problems and practicalities of fertility management as faced by the cattle industry today. Livestock specialists will offer vets, an expert and pragmatic insight into the prevention and cure of some of the most common reproductive diseases such as metritis, BVD, IBR and leptospirosis. They will also be tackling the often complex issue of fertility optimisation in herds, delivering a variety of tools that are adaptable to a range of farming practices. On a larger scale, the symposium will investigate key fertility management tools at the cutting edge of innovation and reiterate Pfizer’s overwhelming commitment to reversing the declining fertility rates that have affected herds across Europe for the past few decades. By exposing fertility myths and focusing on effective herd management, industry leaders will equip and inform vets, offering them powerful tools to help generate reproductive success in the future.

17.00-18.30 Education Workshop II. Brown Hall
Chairmen: W. Klee (Germany) – M. Garcia (Brazil)

297 Future Changes in the Supply of Veterinary Services could Affect the Welfare of Livestock in Urban Areas of the United Kingdom
   S. Borsberry (United Kingdom)

298 Teaching Beef Cow-calf Production Medicine to Veterinary Students at Purdue University, USA
   W. Hilton (United States)

299 Training in Reproduction within the Framework of the “Intensive Study Munich”. Results of an Evaluation by Students of Veterinary Medicine
   E. Zeiler, R. Martin, J. Friker, R. Mansfeld, H. Zerbe (Germany)

300 The Use of Technology for Learning and Management in Higher Education
   (45') M. Garcia (Brazil)
Shaping the future of bovine health

- Advanced Fertility Management
- Innovation & Technology in vaccines
- At the forefront of BRD
- Effective range of treatments against mastitis

Join us for the Pfizer Animal Health Fertility Management Symposium
Wednesday 9th July
17h 00 – 18h 30
In the Blue Hall
Followed by buffet and drinks reception

Pfizer Animal Health
Working together for a healthier world
Oral Presentations
July 10, Thursday

08.30-10.15 Reproduction and Biotechnology III. Blue Hall
Chairmen: M. Doherty (Ireland) – L. Poo Kutscher (Chile)

301 The Pregnancy-Associated Glycoproteins and their Importance in Monitoring the Progress of Bovine Pregnancy
J.F. Beckers¹, N. M. Sousa¹, O. Szenci², M. Taverne³, B. Van der Weiden¹ (Belgium, Hungary, The Netherlands)

302 Comparison of Ultrasound and Rectal Palpation Pregnancy Diagnosis Techniques in Israeli Dairy Herds
I. Waksman, O. Nir, N. Galon (Israel)

303 Resynchronization and Early Pregnancy Detection may Enhance Reproductive Performance of Lactating Dairy Cows
A. Niasari-Naslaji, M. Bolourchi, S. Shabani, D. Nikjou, A. Moghiseh (Iran)

304 Accuracy of Corpus Luteum Detection by Palpation and Ultrasonography per Rectum and Optimization of Accuracy of Ultrasonography
R. Bicalho, K. Galvao, C. Guard, J. Santos (United States)

305 Suitability of Colour Doppler Sonography for Evaluation of Plasma Progesterone Levels in Cyclic Holstein Frisian Cows
K. Herzog, C. Voss, N. Beindorff, V. Paul, H. Meyer, H. Niemann, H. Bollwein (Germany)

08.30-10.15 Surgery, Anaesthesia, Pain Management and Diagnostic Imaging I. Yellow Hall
Chairmen: K. Doll (Germany) – B. Zemljic (Slovenia)

306 Clinical and Imaging Procedures for Lameness Diagnosis in Cattle
A. Steiner (Switzerland)

307 Assessment of Digital Dermatitis during Milking – an Alternative to Assessment in theTrimming Chute?
L. Klaas, K. Bach, P. Thomsen, K. Berggren, R. Jespersen, K. Jönsson, S. Sogaard (Denmark)

308 Comparison of Spiramycin and Oxytetracycline for the Treatment of Bovine Footrot
P. Dompš¹, O. Seyfi², C. Manteca¹ (France, Turkey)

M. Arican, E. Esin, H. Erol (Turkey)

310 Evaluation of the Treatment of Septic Arthritis by Arthroty in Meriones unguiculatus
A. Sartelet, K. Touati (Belgium)

08.30-10.15 Calf Physiology, Management and Disease III. Red Hall
Chairmen: R. Eddy (United Kingdom) – H. R. Han (Republic of Korea)

311 The Neonatal Fc Receptor (FcRn) Mediated IgG Homeostasis in Ruminants
I. Kacskovics (Hungary)

312 The Association between Colostrum Quality and Indicators of Passive Immunity in Serum of Newborn Calves
J. Lzezk, M. Nemec, T. Malovrh, M. Klinkon (Slovenia)

313 Passive Transfer of Immunity in Nelore and Limousin Calves and Serum Protein in the First Four Months of Life
M. de Costa, K. Flaiban, M. Coneglian, F. Feitosa, M. Balarin, J. Lisbôa (Brazil)

314 Effect of Suckling Diakur Plus in Cows Milk on Milk Clotting, Luminal pH, and Abomasal Emptying Rate in Holstein-Friesian Calves
P. Constable¹, W. Grünberg, L. Carstensen² (United States, Denmark)

315 Effect of Mineral Adsorbent in Calves Colostral Diet on the Blood Serum AST and ALT Activity
N. Fratrić, H. Šamanc, D. Kirovski, D. Gvozdić, V. Stojić, I. Vujanac (Serbia)

08.30-10.15 Food-safety Purple Hall
Chairmen: K. Müller (Germany) – N. Jessen (Denmark)

316 Fungal and Mycotoxins Contamination in Food, Feed and Milk Samples from Selected South African Rural Areas: a Really Health Issue?
M. Mulunda, M. Fanell, M. Dutton (South Africa)
Oral Presentations
July 10, Thursday

**08.30-10.15 Herd Health Management and Epidemiology VI.** Green Hall
Chairmen: E. Bouchard (Canada) – J. Cannas da Silva (Portugal)

323 Clinical and Epidemiological Observation on Three Epidemics of Cattle and Buffaloe in Egypt Foot and Mouth Disease, Lumpy Skin Disease and Ephemeral Fever (with Clinical Signs Illustration)
A. El-Sebaie (Egypt)

324 Bluetongue: Disease Awareness in Switzerland
A. Tschuor, H. Ochs, C. Maret, M. Hässig (Switzerland)

325 Serological Survey for Infectious Bovine Rhinotracheitis and Bovine Viral Diarrhea Viruses in Venezuelan Bovine Herds

326 Seroprevalence of Bovine Leukemia Virus Infection in Dairy Farms in Western Thailand
T. Rukkwamsuk, S. Panneum (Thailand)

327 The Effect of Enzootic Bovine Leukosis on Health, Milk Production and Fertility in a Dairy Herd: a Prospective Study
A. Shoham, M. Van Straten (Israel)

328 Epidemiological Studies of Vampire Bats (Desmodus Rotundus) Attacks in a Brazilian Beef Cattle Herd
E. Ortolani, C. Maruta (Brazil)

329 Difference in Virus Excretion and Transmission between Calves and Dairy Cows in the Course of an Acute FMDV Infection
K. Orsel, A. Dekker, A. Bouma, J. Stegeman, M. de Jong (The Netherlands)

**08.30-10.15 Genetic Disease Workshop I.** Brown Hall
Chairmen: A. Gentile (Italy) – J. S. Agerholm (Denmark)

330 Introduction to Veterinary Genetics
C. Droegemueller (Switzerland)

331 Defects of the Skeletal System: Congenital Spinal Malformations
J. Agerholm (Denmark)

332 Defects of the Skeletal System: Update on Syndactyly in Cattle
A. Eggen, S. Floriot, A. Duchesne, A. Ducos (France)

333 Inherited Defects of the Brown Breed: Genetic Diseases of the Central Nervous System
K. Doll (Germany)

334 Inherited Defects of the Brown Breed: Arachnomelia
A. Gentile, S. Testoni (Italy)

335 Inherited Defects of the Brown Breed: Genetic Aspects
C. Droegemueller (Switzerland)

336 Bovine Leucocyte Adhesion Deficiency: History and Control. A Retrospective Survey
H. Nagahata (Japan)

10.15-11.00 Poster Viewing Session IV. / Coffee Break
### Oral Presentations
July 10, Thursday

#### 11.00-12.30 Reproduction and Biotechnology IV.
Blue Hall

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>337</td>
<td>The Multifactorial Approach to Fertility Problems in Dairy Herds</td>
<td>M. Doherty (Ireland) – L. Poo Kutscher (Chile)</td>
</tr>
<tr>
<td></td>
<td>(45’*)</td>
<td></td>
</tr>
<tr>
<td>338</td>
<td>Organisation of the Herd Management by a Veterinary Team in a Farm with Fertility Problems</td>
<td>C. Donalisio, L. Oddono, L. Boretti, F. Ruta, L. Viora, M. Casalone (Italy)</td>
</tr>
<tr>
<td>339</td>
<td>Cholesterol and Triglycerides Serum Concentrations in Holstein Cows during the Period of Application of Phenoxy 2 Methyl 2 Propionic Acid</td>
<td>O. Blanco, G. Avila, H. Bouda (Mexico)</td>
</tr>
<tr>
<td>340</td>
<td>Effects of Short-term Cooling on Pregnancy Rate of Dairy Heifers under Summer Heat Stress Condition</td>
<td>A. Moghaddam, G. H. Moradli, M. Hashemi, M. Tymori, M. Kazemi (Iran)</td>
</tr>
</tbody>
</table>

#### 11.00-12.30 Surgery, Anaesthesia, Pain Management and Diagnostic Imaging II.
Yellow Hall

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>341</td>
<td>Chronic Septic Arthritis of the Carpus: Surgical Approach</td>
<td>K. Touati, A. Sartelet (Belgium)</td>
</tr>
<tr>
<td>342</td>
<td>Inflammatory Response after Surgical Correction of Left Displaced Abomasum Using Different Techniques</td>
<td>T. Wittek, A. Grosche, M. Fürll (Germany, United States)</td>
</tr>
<tr>
<td>343</td>
<td>Effect of Displacement of the Abomasum on Performance in Dairy Cattle after Laparoscopic Correction</td>
<td>R. Jorritsma, B. Westerlaan, M. Bierma, K. Frankena (The Netherlands)</td>
</tr>
<tr>
<td>344</td>
<td>Generalised Peritonitis in Cows due to Perforation of an Abomasal Ulcer into the Abdominal Cavity</td>
<td>A. Lorch, C. H. Heizer, T. Zauscher, G. Rademacher (Germany)</td>
</tr>
<tr>
<td>345</td>
<td>Intestinal Intussusceptions in Cattle: a Retrospective Study (22 Cases)</td>
<td>A. Sartelet, H. Guyot, S. Vandeputte, K. Touati (Belgium)</td>
</tr>
<tr>
<td>346</td>
<td>Abomasal End-to-End Anastomosis as a Treatment for an Extensive Abomasal Hernia and Fistula in a Cow</td>
<td>G. Vertenten, J. Declercq, A. Martens, L. Devisscher, S. Torfs, G. Van Loon, F. Gasthuys (Belgium)</td>
</tr>
</tbody>
</table>

#### 11.00-12.30 Calf Physiology, Management and Disease IV.
Red Hall

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>347</td>
<td>Influence of Colostral Antibodies against Immune Response in Vaccinated Neonatal Calves</td>
<td>M. Hassig, U. Wetli, U. Braun (Switzerland)</td>
</tr>
<tr>
<td>348</td>
<td>Effects of Gradual Weaning and Transport on Leukocyte Antioxidant Enzymes and Plasma Malondialdehyde</td>
<td>N. Burke, G. Scaglia, H. Boland, W. Swecker Jr. (United States)</td>
</tr>
<tr>
<td>349</td>
<td>Selected Clinical Chemical Parameters and Haptoglobin in Newborn Dairy Calves during the first 18 Months of Life</td>
<td>L. Locher, D. Haser, M. Fürll (Germany)</td>
</tr>
<tr>
<td>350</td>
<td>Prevalence of Selected Viruses in Faecal Samples from Norwegian Dairy and Suckler Beef Calves</td>
<td>E. Jorgensen, A. Kristoffersen, T. Loken, C. Jonassen (Norway)</td>
</tr>
<tr>
<td>351</td>
<td>Possibilities of Using Computer Tomography in Assessing Rumen Development in Preruminant Calves</td>
<td>P. Santileben, J. Flor, B. Linke (Germany)</td>
</tr>
<tr>
<td>352</td>
<td>Medical and Organizational Challenges Associated with the Birth of Cloned Calves</td>
<td>G. Fecheau, A. C. Brisens, S. Boysen, S. Buczinski, P. Dorval, R. Lefebvre, P. Hélie, A. Desrochers, L. Smith (Canada)</td>
</tr>
</tbody>
</table>

#### 11.00-12.30 Parasitology I.
Purple Hall

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
</table>
354 The Influence of Parasitic and Drug Factor on the Limphocitary Indices and the Phagocytosis Process in Bovines
O. Chinai, D. Erhan, S. Rusu, G. Melnic, M. Zamornea, V. Buza (Moldova)

355 “End Phase” Control of Trichophyton verrucosum Infected Norwegian Cattle Herds, Results from a Nasional Project
K. Plym Forsell, O. Undheim, A. Bratberg, A. Lund, O. Naafstad, K. Kleppa, O. Osteras (Norway)

356 Stamp out Sleeping Sickness: an Intersectoral Approach to Disease Control SOS Consortium
http://sleepingsickness.org
S. Wellburn (United Kingdom)

357 Detection and Risk Factors for Toxoplasmosis in Ovines from the Coast, Mountains and Island of Socorro in the State of colima, Mexico

358 Evaluation of Field Reproductive Safety of Moxidectin 2% LA Injectable at Three Times the Recommended Dose in Breeding Ewes
F. Blond, C. Mage, L. Parker (France)

11.00-12.30 Herd Health Management and Epidemiology VII. Green Hall
Chairmen: E. Bouchard (Canada) – J. Cannas da Silva (Portugal)

359 Impact of Respiratory Disorders in Young Bulls during their Fattening Period on Performance and Profitability
N. Bareille, H. Seegers, J. M. Quillet, S. Assié (France)

360 Pathogen Exposure and Incidence of Respiratory Disorders in Young Bulls
S. Assié, H. Seegers, G. Denis, N. Bareille (France)

361 Bovine Theileriosis by Theileria buffeli in Southern Italy: Epidemiology, Clinical Case and Experimental Infection
L. Ceci, P. Paradisi, D. de Caprarisi, M. Pasanelli, F. Iarussi, G. Carelli (Italy)

362 Study on Leptospira Bogerteseni Serovar Hardjo Type Hardjo bovis in Cattle and Aborted Fetuses from Venezuela Monitored by cELISA vs. MAT

363 Modified Live Virus Bovine Viral Diarrhea Virus (BVDV) Vaccination of BVDV Maternal Antibody Positive Calves followed by BVDV Challenge 7 Months Later
A. Zimmerman, R. Buterbaugh, J. Schnackel, C. Chase (United States)

364 Survival Data of 810 Dairy Cows Corrected for Left Displaced Abomasum (LDA)
K. Sterner, J. Grymer, P. Bartlett ($^{1}$United States, $^{2}$Denmark)

11.00-12.30 Genetic Disease Workshop II. Brown Hall
Chairmen: A. Gentile (Italy) – J. S. Agerholm (Denmark)

365 Spastic Paresis and Spastic Syndrome: a Never Ending Story
A. Gentile (Italy)

366 Genetic Diseases of the Dexter Breed: Chondrodysplasia and Hydrops Fetalis with Pulmonary Hypoplasia
I. Tammen, J. Cavanagh, P. Windsor, F. Nicholas, H. Raadsma (Australia)

367 Genetic Diseases of Japanese Breeds
T. Kunieda (Japan)

368 Surveillance Programmes for Genetic Recessives: the Experience of Danish Bovine Genetic Disease Programme
J. Agerholm (Denmark)

369 Surveillance Programmes for Genetic Recessives: the Experience of the French Bovine Genetic Disease Observatory
A. Eggen, L. Manciaux, S. Floriot, A. Malafosse, A. Ducos (France)

370 The World-database of the Genetic Diseases of the Brown Breed
L. Casanova (Switzerland)

12.30-14.00 Lunch Break
Oral Presentations
July 10, Thursday

14.00-16.15 Reproduction and Biotechnology V.  Blue Hall
Chairmen: T. Nakao (Japan) – L. O. Campuzano Reyes (Mexico)

371 Bovine Caesarean vs. Fetotomy; an Extinct Part of our Profession?
W. Wapenaar (United Kingdom)

372 Comparison of the Changes in Intrauterine Pressure after Treatment with Various Prostaglandins in Early Postpartum Cows
A. Cs. Balázs1, O. Szenczi1, G. Van der Weijden2, A. Doormenbal, J. Bartyik1, F. Rezazadeh1, K. Szabó-Arti, M. Taverner (Hungary, The Netherlands)

373 Comparative Study of Different Methods for the Diagnosis of Chronic Endometritis in Cows
L. Deguillaume, H. J. Boulouis, S. Thoumire, C. Vornire, F. Constant, A. Geffré, R. Fournier, S. Chastant (France)

374 Low Fertility in Cows – Pathological Findings in Ovaries and Uteri with Focus on Endometrial Biopsy
S. Rodenbusch, C. H. Ellenberger, C. Hauffe, M. Lenz, A. Kießling, A. Sobiraj, H. A. Schoon (Germany)

375 The Effect of Buserelin and an Opioid Antagonist on Pregnancy Rate of Repeat Breeding Holstein Dairy Cows
V. Fuentes, A. Bernal, J. Olmedo (Mexico)

376 The Incidence of Repeat Breeding and Subsequent Reproductive Performance in High-producing Dairy Cows
T. Nakao, Y. Mohammad, K. Koike, C. Yoshida, K. Yamada (Japan)

377 The Effect of a Double Injection of Buserelin Plus and Opioid Antagonist on Pregnancy Rate of Repeat Breeder Dairy Cattle Cows
V. Fuentes, A. Bernal, J. Olmedo (Mexico)

378 Colour Doppler Sonography of Cystic Ovarian Follicles in Cows
L. Krueger, A. Rauch, H. Bollwein (Germany)

14.00-16.15 Surgery, Anaesthesia, Pain Management and Diagnostic Imaging III.  Yellow Hall
Chairmen: I. Lwangaiga (South-Africa) – E. van de Leemput (France)

380 Importance of Endoscopic Techniques for Diagnosis and Therapy in Ruminants
(45’)
S. Franz (Austria)

381 A Scoring System of Pain Evaluation in Cattle: a Preliminary Study
A. Kadi, F. Rollin, A. Guerin, A. Ducellier, K. Touati (Belgium)

382 Evaluation of Efficacy and Safety of Diazepam as a Sedative in Cow Calves
S. Chander, K. Singh, A. Kumar, J. Singh, P. Peshin, S. Singh (India)

383 Evaluation of Diazepam as a Sedative in Buffalo Calves
V. Nain, A. Kumar, J. Singh, P. Peshin, S. Singh (India)

384 An Investigation of Meloxicam for Relief of Pain Following Dehorning of Dairy Calves
A. Heinrich1, S. Millman, J. Olmedo, K. Lissemore, E. Squires (Canada, United States)

385 Clinical Use of Dorsolumbar Epidural Anesthesia
M. Hiraoka1, W. Son2, I. Lee (Japan, Republic of Korea)

386 Intranasal Lidocaine Application during Rhinotraceobronchoscopy – a Safe and Efficient Analgesic Option in Cattle
A. Dadak, S. Franz (Austria)

14.00-16.15 Parasitology II.  Red Hall
Chairmen: A. Trees (United Kingdom) – M. Raghib (Egypt)

387 Neospora Caninum: New Insights into the New Parasite
(45’)
A. I. Trees (United Kingdom)

388 A Serologic Study of Neosporosis Associated with Abortion in Dairy Cattle in Mashhad Area, Iran
G. R. Razmi, H. Eshtari, Z. Naseri (Iran)

389 Neosporosis in Senegalese Wildlife
E. Dombou1, R. Kamga Waladjo1, B. Gbati1, N. Bakou1, A. Mukamamugire1, G. Chatagnon1, J. Akakpo1, A. Diop1, J. Pangu2, D. Tainturier2 (Senegal, France)

390 Study on Attenuation Mechanisms in Iranian Theileria annulata Macrophizont-infected Cell Lines
G. Habibi, S. Bozorgi, K. Esmaeil-Nia, R. Hashemi-Fesharki, N. Bordbar (Iran)
391 Evaluation of Skin DTH Theilerin Test as an Index of Immunity against Theileriosis after Vaccination
K. Esmaeilnia, M. Khani, G. Habibi, R. Hashemi-Fesharki (Iran)

392 Laboratory Evaluation of Three Strains of the Entomopathogenic Fungus Metarhizium Anisopliae for Controlling Hyalomma Anatolicum Anatolicum and Haeamaphysalis Punctata

393 Detection of Purified Proteases from in vitro Culture of Midgut cells of Hyalomma Anatolicum Anatolicum (Acari : Ixodidae)
B. Gholamhossein Goudarzi, M. Abdigoudarzi, M. Peeryaii, R. Bagherian, G. Karimi (Iran)

14.00-16.15 Miscellaneous I. Purple Hall
Chairmen: J. P. Kastelic (Canada) – R. Ugarte (Uruguay)

394 Evidence-Based Veterinary Medicine
J. Kastelic (Canada)

395 Development of a Program for Disaster Situations and Animal Health Emergencies in the Xth Region of Chile
G. Monti, G. Ramirez, M. Amtmann (Chile)

396 Flunixin Meglumine (Finadyne®, Banamine®) in Pain Management of Cattle: Pharmacology and Applications
A. Skidmore1, J. Roder1, J. van de Ven2, P. Cloet3, A. Montgomery4 (1United States, 2Belgium, 3France, 4United Kingdom)

397 Nuclear Cataract in Veal Calves and its Possible Association with Mobile Telephone Antenna Base Stations
M. Hassig, F. Jud, H. Naegeli, J. Kupper, B. Spiess (Switzerland)

398 Neoplasm Therapy: What’s Better Flogosis or Immunity First?
G. Carnemolla (Italy)

399 Artificial Induction of Lactation as a Remedy for Infertility and Stray Cow Menace
S. Kumari, R. Paul, M. Sharma, S. Vaid (India)

14.00-16.15 Miscellaneous: Mastitis, Male Reproduction – Calf Physiology I. Green Hall
Chairmen: D. Barett (United Kingdom) – C. Padgett (United Kingdom)

401 Relevance of Sulphamethoxazole/Trimethoprim Susceptibility Ratio (19:1 or 5:1) for Bovine Mastitis Staphylococci Field Isolates in vitro Testing
C. Vilela, S. Nunes, C. Carneiro, M. Dargent-Figueiredo, L. Cavaco, M. Oliveira, R. Bexiga (Portugal)

402 Comparing the Effect of an Application of a Long-acting Dry Cow Antibiotic for Drying-off with the Combined Application of a Long-acting Dry Cow Antibiotic and an Internal Teat Seal on Udder Health of Dairy Cows State up to 100 Days Postcalving
K. Mutze, W. Wolter, K. Failing, B. Klopert, M. Zschock, H. Bernhardt (Germany)

403 Effect of Cefalonium on Intramammary Infections and on Milk Production of Heifers before their First Calving
L. Jimenez, R. Timon, J. Marco (Spain)

404 Widespread Distribution of pS194-mediated Streptomycin Resistance in Staphylococci of Farm Animal Origin
L. Bjorland, T. Mork, S. Waage, M. Sunde (Norway)

405 Pharmacokinetics and PK/PD Integration of Danofloxacin in Lactating Dairy Cows with Subclinical Mastitis Caused by Staphylococcus aureus
M. Lucas, L. Marchetti, A. Lambertini, J. Errecalde, N. Mestorino (Argentina)

406 Epidemiology of Staphylococcus aureus Intramammary Infection in Dairy Cows in Slovenia
O. Podpecan, F. Zrimec, M. Pate, M. Ocepek, I. Zdovc, A. Pengov (Slovenia)

407 A Novel Swift Bull Semen Filtration Method
S. Piperelis, D. Vafiadis, C. Alexopoulos, C. Boscos (Greece)

408 Fertility and Kinematics Correlation of Filtrated Bovine Semen
S. Piperelis, D. Vafiadis, C. Alexopoulos, G. Oikonomou, G. Banos, C. Boscos (Greece)

409 Effect of Antioxidant Addition on in vitro Semen Quality and in vivo Fertility of Frozen-THawed Bovine Semen
M. Griega, H. Nehring, C. Leiding (Germany)
14.00-16.15 Genetic Disease Workshop III.  Brown Hall

Chairmen: A. Gentile (Italy) – J. S. Agerholm (Denmark)

410 The Point of View of the Geneticists: Genetic Analysis of Congenital Anomalies in Cattle in the Age of the Genome Sequence
C. Droegemueller (Switzerland)

411 The Point of View of the Geneticists: Online-based Approach to the Genetic Diseases of Cattle
I. Tammer, F. Nicholas (Australia)

412 Approach to the Genetic Diseases of a Service Company: Swissgenetics
A. Pozzatti (Switzerland)

413 The so Called Paunch Calf Syndrome in Romagnola Calves
A. Gentile1, M. Rossi1, C. Droegemueller2 (1 Italy, 2 Switzerland)

414 Congenital Muscular Dystony in the Belgian Blue Breed
F. Rollin, S. Vandeputte, H. Guyot, K. Touati, D. Desmecht, C. Charlier, M. Georges (Belgium)

415 Congenital Pseudo-myotonia in Chianina Cattle
S. Testoni, A. Gentile, P. Boni (Italy)

416 Congenital Erythropoietic Porphyria in Holstein Cattle
J. Agerholm, C. Jorgensen, C. Bendixen, M. Fredholm (Denmark)

417 Crooked Tail and Muscular Hypertrophy Syndrome, an Emerging Inherited Defect in Belgian Blue Breed
A. Sartelet, M. Dive, K. Touati, F. Rollin, M. Georges, C. Charlier (Belgium)

418 Ichthyosis Fetalis: an Emerging Lethal Condition Endangering the Belgian White and Red Cattle Breed
P. Cornillie, S. Cools, L. Vandaele, A. de Kruif, P. Simoens (Belgium)

16.15-17.00 Poster Viewing Session IV. / Coffee Break

17.00-18.15 Reproduction and Biotechnology VI.  Blue Hall

Chairmen: T. Nakao (Japan) – L. O. Campuzano Reyes (Mexico)

419 Bovine Venereal Campylobacteriosis may be Contributing to Low Reproductive Performance in Cattle Herds in the Lake Chad Basin Area of Nigeria
G. Mshelia1,2, R. Murray1, G. Egwu2, Z. Woldehiwet1, J. Amin2 (1 United Kingdom, 2 Nigeria)

420 Impact on Vaccination against Leptospira Borgpetersenii Serovar Hardjo Type Hardjo-bovis on Reproductive Parameters in Three Commercial Dairy Herds
V. Cortese, A. Simon (United States)

421 The Life Span of Corpus Luteum Following Ovulation of Persistent Dominant Follicle
Y. Nazem, A. Niasari-Naslaji, M. Islam, S. Mouavi, T. Atrashchamian (Iran)

422 Beta-Carotene Metabolism in the Bovine Corpus Luteum
J. Raila1, J. Lintig1, A. Miyamoto2, F. Schweigert1 (1 Germany, 2 Japan)

423 Bovine Embryo Development in vitro: Comparison between Embryo Co-culture and Different Modifications of Sequential Semi-defined SOF Medium
A. Pirestani, F. Moulavi, M. Hosseini, M. Hajian, H. Ghasemzadeh Nava, P. Tajik, M. Nasr-Esfahani (Iran)

17.00-18.15 Surgery, Anaesthesia, Pain Management and Diagnostic Imaging IV.

Chairmen: I. Lwangaiga (South-Africa) – E. van de Leemput (France)

424 Laparoscopy-assisted Biopsy of Mesenteric Lymph Nodes in Calves
T. Seegar, P. Berisha, K. Koecher, M. Buelts, K. Doll (Germany)

425 Two-dimensional and M-mode Echocardiographic Parameters Measured in Fifteen Healthy Calves
N. Cesbron, V. Charot, A. Dorizion (France)

426 Measurements of Dimensions of Holstein-Friesian Calves Using Computed Tomography in Order to Compare Different Obstetrical Traction Methods
C. Heun, G. Tsousis, M. Becker, J. Rieder, H. Bollwein (Germany)

427 Effects of Acupuncture Treatment on Cytokine Expression and the Cellular Stress Response in Cows with Left Abomasal Displacement
C. Weber, K. Freudenberg, K. Doll, K. Muller (Germany)

428 Omasal Dilitation and Displacement in 4 Holstein Dairy Cows
R. Bicalho, H. Meyers, S. H. Cheong, B. Rosa, C. Guard (United States)
17.00-18.15 Parasitology III.  
**Red Hall**

**Chairmen:** A. Trees (United Kingdom) – M. Raghib (Egypt)

- **429** Current Progress in the Development of Fascioliosis Vaccines with the Possibility of Cross Protection against Schistosomiasis  
  A. Derbala, E. Abdel Rahman (Egypt)

- **430** Gastro-intestinal Nematodes Prevalence in Dairy and Meat Grazing Calves on Tropical Climate in Mexico  
  L. Encalada, M. Lopez, P. Mendoza, E. Liebano (Mexico)

- **431** Using Dot-ELISA for Detection of Experimental Babesia ovis Infection in Lambs  
  K. Esmaeilnia, R. Hashemi-Fesharki, S. Nouri Ale-Agha (Iran)

- **432** Prevalence Study of Eimeria Species in Swedish Cattle  
  A. Forslid, J. Dahl, D. Christensson (Sweden, Denmark)

17.00-18.15 Miscellaneous II.  
**Purple Hall**

**Chairmen:** J. P. Kastelic (Canada) – R. Ugarte (Uruguay)

- **433** Clinical and Pathological Diagnosis of Interstitial Pneumonia in Cattle  
  A. Lopez (Canada)

- **434** A New Method for Classification of Lung Lesions Associated with Bovine Respiratory Disease  
  A. Preto, N. Neves (Portugal)

- **435** The First Recognition of Cattle Infected with the Bovine Immunodeficiency Virus (BIV) Using the Nested-PCR Method and Associated Clinical and Pathological Findings in Slaughtered Holstein Cattle in Iran – Tehran  
  M. Tooloei, T. Bazargani, G. Broujeni, M. Garagozlo (Iran)

- **436** Comparison of Major Acute Phase Proteins (Haptoglobin and Serum Amyloid A) and Meat Inspection Findings in Cattle at Abattoir  
  S. Safi, G. Ghalamkari, I. Sohrabi Haghdost (Iran)

- **437** Trends in the Number of, and Rate at which, Cows are Culled from the Irish Cattle Population, 2003 to 2006  
  P. Maher, M. Good, S. More (Ireland)

17.00-18.15 Miscellaneous: Mastitis, Male Reproduction – Calf Physiology II.  
**Green Hall**

**Chairmen:** D. Barett (United Kingdom) – C. Padgett (United Kingdom)

- **438** Percutaneous Lung Biopsy in Calves with Bronchopneumonia  
  H. Meyer, S. Klein, H. Scholz, J. Rehage (Germany)

- **439** Computer Tomography (CT) of Early Lung Development of Bovine Neonates  
  B. Linke, A. Richter, H. Bostedt (Germany)

- **440** Effects of Meloxicam Therapy on the Behaviour and Welfare of Dairy Calves with Neonatal Calf Diarrhea Complex  
  C. Todd, S. Millman, T. Duffield, D. McKnight, K. Leslie (Canada, United States)

- **441** Intranasal Vaccination of Calves with an MLV Vaccine Protected against Respiratory Diseases against BVDV, IBR, P13, BRSV and P. Multocida and M. Haemolytica  
  W. Xue, S. Vaidyanathan, E. Trigo (United States)

- **442** A Randomised Controlled Field Trial in Calves Comparing the Immune Response to Leptospiral Vaccination from Either 1 or 3 Months of Age  
  J. Moffat, S. Bruere (New Zealand)

18.15-18.30 Closing Ceremony  
**Blue Hall**
Marbocyl S introduces a major therapeutic evolution and facilitates group treatment by neutralising infection with just one injection. Thanks to excellence tolerance and an extra-low waiting time, Marbocyl S accelerates the return of milk and meat onto the market.

To put a stop to respiratory infection

We eradicate it immediately by single injection.

Marbocyl

Pushing back the boundaries

www.marbocyl.com
July 7, Monday
Poster set-up  08.30-10.15  
Poster viewing  10.15-11.00 and 16.15-17.00  
Poster removal  17.00-18.30  
• Nutritional and Metabolic Disorders  443-548  
• Mastitis / Udder Health and Milk Quality  549-633  

July 8, Tuesday
Poster set-up  08.30-10.15  
Poster viewing  10.15-11.00 and 16.15-17.00  
Poster removal  17.00-18.30  
• Infectious and Zoonotic Diseases (Public Health)  634-736  
• Sheep  737-807  
• Goat  809-832  
• Buffaloes  833-843  
• Camelids  844-851  

July 9, Wednesday
Poster set-up  08.30-10.15  
Poster viewing  10.15-11.00 and 16.15-17.00  
Poster removal  17.00-18.30  
• Reproduction and Biotechnology  852-948  
• Lameness  949-956  
• Surgery, Anaesthesia, Pain Management and Diagnostic Imaging  957-991  
• Calf Physiology, Management and Disease  992-1050  
• The Future of Production Animal Veterinary Education and Veterinary Practice  1051  
• Bovine Veterinary Education with Student’s Eyes  1052-1053  
• IBR Workshop  1054  

July 10, Thursday
Poster set-up  08.30-10.15  
Poster viewing  10.15-11.00 and 16.15-17.00  
Poster removal  17.00-18.15  
• Other  1055-1079  
• Herd Health Management and Epidemiology  1080-1151  
• Parasitology  1152-1196  
• Animal Hygiene, Housing and Biosecurity  1197-1201  
• Animal Behaviour and Welfare  1202-1203  
• Genetics and Breeding (Crossbreeding)  1204-1209  
• Food-Safety  1210-1221  
• Veterinary Implications of Organic Farming  1222-1224  
• Good Veterinary Practice (Antibiotic Resistance)  1225-1230  
• Global Warming  1231-1234  
• Miscellaneous  1235-1266  

XXV. World Buiatrics Congress
### Nutritional and Metabolic Disorders 443-548

<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nutritional and Metabolic Disorders</td>
<td>Influence of Age, Season and Physiological State on Some Biochemical Parameters in South Eastern Algerian Desert Goats</td>
<td>H. Nadia, M. Toufik, M. Bakir, B. Mabrouk (Algeria)</td>
</tr>
<tr>
<td></td>
<td>The Evaluation of Vitamin A and B-carotene Levels during Postpartum Period in Semi Industrial Dairy Farms in Iran</td>
<td>M. Tehrani Sharif, R. Mozaffary, J. Gholami Seyed Kolaei, M. Rezaee Ghale, A. Cheraghzadeh (Iran)</td>
</tr>
<tr>
<td></td>
<td>Comparison of Clinical and Laboratuar Responses for Laparotomic Omentopexy and Laparoscopic Abomasopexy in Cows with Left Abomasal Displacement</td>
<td>K. Yigitarslan, N. Yavru, S. Avki (Turkey)</td>
</tr>
<tr>
<td></td>
<td>The Levels of Serum Amiloid A and Haptoglobin Concentration in Cows with Abomasal Displacement</td>
<td>H. Guzelbektes, A. Coskun, M. Ok, I. Sen (Turkey)</td>
</tr>
<tr>
<td></td>
<td>Ameliorative Effects of Boron on Serum Profile in Buffalo (Bubalus Bubalis) Fed High Fluoride Ration</td>
<td>V. Bharti, M. Gupta (India)</td>
</tr>
<tr>
<td></td>
<td>Clinical Field Evaluation of a Butaphosfan + Vitamin B12 Compound (Phosphorum B12/Catosal® – Bayer) in the Treatment of Subclinical Ketosis in Dairy Cows</td>
<td>V. Cuteri, L. Nisoli, A. Attill, A. Romero Tejeda, A. Fruganti (Italy)</td>
</tr>
<tr>
<td></td>
<td>Calcium Levels and some Biochemical Parameters in Lambs with White Muscle Disease</td>
<td>S. Kozat (Turkey)</td>
</tr>
<tr>
<td></td>
<td>Evaluation of Whole Cottonseed as Effective Fiber Source in Early Lactating Holstein Cows</td>
<td>M. Salehpour, H. Amnalou (Iran)</td>
</tr>
<tr>
<td></td>
<td>Effect of Molybdnenum and Sulphur on Copper Status and Mohair Quality in Merghozo Goat</td>
<td>M. Moeini, E. Nooriyan, M. Souri, E. Mikaeeli (Iran)</td>
</tr>
<tr>
<td></td>
<td>An Investigation of Zinc Deficiency Effects in the Nutrition of Holstein Heifer and Determine the Best Form Zinc Supplements for its Composition</td>
<td>M. Salehpour, M. Hajipour (Iran)</td>
</tr>
<tr>
<td></td>
<td>The Effect of Selenium and Vitamin E Administration to Heifers during the Late Stage of Pregnancy on Copper and Zinc Status</td>
<td>M. Moeini, E. Mikaeeli, A. Kyanei (Iran)</td>
</tr>
<tr>
<td></td>
<td>Changes of Serum Parameters in Monensin-contained Diet of Gezel Sheep</td>
<td>B. Baghbanzadeh Nobari, A. Rezapour, P. Namavar, G. Moghadam (Iran)</td>
</tr>
<tr>
<td></td>
<td>D-vitamin Status of Cows in Preparturient and Postparturient Periods under Injection of Cholecalciferol</td>
<td>L. Yuskiv, B. Kurtiak, V. Vlizlo (Ukraine)</td>
</tr>
<tr>
<td></td>
<td>Clinical and Subclinical Cases of Phosphorus Deficiency and Hypophosphatemia in Egyptian Buffaloes</td>
<td>H. Morsy, A. Sheikh, M. El-Gamal (Egypt)</td>
</tr>
<tr>
<td></td>
<td>Ketosis in Dairy Cows under Obligatory Reduction of Feed Intake</td>
<td>A. Elsheikh, T. Allam, H. Morsy (Egypt)</td>
</tr>
<tr>
<td></td>
<td>RBC and WBC Counts in Lactating Dairy Cows Affected by Subacute Ruminal Acidosis</td>
<td>M. Morgante, M. Ganaesella, C. Cannizzaro, P. Dalvit, M. Gatto, L. M. Coppola, L. Moro (Italy)</td>
</tr>
<tr>
<td></td>
<td>Effect of Dietary Buffer Addition on the Concentrations of Trans-18:1 Fatty Acids and Conjugated Linoleic Acid (CLA) in the Milk of Dairy Cows</td>
<td>I. Vudmaska, O. Golubets, V. Vlizlo (Ukraine)</td>
</tr>
<tr>
<td></td>
<td>Cytokine Synthesis in Calves Fed with the Feedingstuffs Supplemented by Tylosine or Prebiotics</td>
<td>M. Szymanska-Czerwinska, D. Bednarek (Poland)</td>
</tr>
<tr>
<td></td>
<td>Effects of Omentopexy on TBars and Plasma Frap in Dairy Cows with Left/Right Abomasal Displacement</td>
<td>P. Mudron1, J. Rehage2 (‘Slovakia, ‘Germany)</td>
</tr>
</tbody>
</table>
Blood Gas Parameters in Dairy Cow Affected by Subacute Ruminal Acidosis
M. Morgante, C. Cannizzo, M. Gianesella, P. Dalvit, F. Bevilacqua, L. Coppola, A. Stefani (Italy)

Effect of Yea-Sacc 1026 Supplementation on Productive Response of Dairy Cows Fed Corn Silage-based Diets during Summer
V. Novais¹, R. Cabrita¹, C. Gomes¹, J. Fonseca¹, S. Andrieu² (Portugal, Ireland)

Effect of a Modified Glucomannan Fraction from Yeast Cell Wall Extract (Mycosorb) on Milk Production in Dairy Herds in South Italy
M. Agovino¹, S. Andrieu² (Ireland, Italy)

Effects of Increasing Prepartum Dietary Protein Level Using Poultry By-Product Meal on Productive Performance and Health of Multiparous Holstein Dairy Cows
F. Kafilzadeh, M. Yazdi, H. Amanloo (Iran)

Trans Fatty Acids in Milk of Dairy Cows
E. Vargas-Bello-Pérez, P. Garnsworthy (United Kingdom)

The Concentrations of Zn, Cu, Mn and Se in Milk in Relation to Daily Milk Production and Stage of Lactation of Dairy Cattle
A. Pechová, L. Pavlata, R. Dvořák (Czech Republic)

Influence of Soybean Seeds and Hydrolyzed Palm Oil on the Metabolism of Lactating Dairy Cows
V. Lubojacká, A. Pechová, R. Dvořák, L. Pavlata (Czech Republic)

Relationship between Metabolic Factors and Blood Chemistry Level of Domestic Cow in Korea

Influence of a High Potassium Diet on Mineral Concentrations in Blood and Urine and on Indicators for Early Detection of Acid-Base Changes in Dairy Cows
M. Rérat, A. Philipp, H. Hess, A. Liesegang (Switzerland)

The Concentration of Zinc in Goat’s Milk during Short Term Supplementation of Different Forms of Zinc
A. Pechová, L. Mišurová, L. Pavlata, R. Dvořák (Czech Republic)

The Evaluation of Coagulation Profiles in Cows with Abomasal Displacement
P. Sobiech, Z. Kuleta, J. Radwiriska (Poland)

Bread Leftovers Utilization in Cattle Rations in Tadla Area
A. Ilham, M. Mazouz, S. Alali (Morocco)

Influence of Diarrhoea on Chosen Indicators of the Blood Coagulation System at Dairy Cattle
J. Radwiriska, Z. Kuleta, P. Sobiech (Poland)

Diagnostic Use of Pooled Metabolic Profiles in Czech Dairy Herds
J. Davidek¹, R. Van Saun² (Czech Republic, United States)

Characterizing Analyte Patterns in Pooled Metabolic Profiles for Disease Diagnosis
J. Davidek¹, R. Van Saun² (Czech Republic, United States)

Intake, Apparent Digestibility, Ruminal and Blood Components of Holstein Cows Fed Extruded Ground Canola with or without Lignosulfonato
G. Santos, C. Neves, D. Silva, W. Santos, C. Jobim, A. Branco, F. Santos (Brazil)

Mineral Metabolism during Late Pregnancy and Calcium Status after Parturition in Dairy Cows
M. Casalone, C. Cannizzo, A. Stefani, L. Moro, M. Gianesella, M. Morgante (Italy)

Effect of Glycerol-containing Preparation on Changes in Selected Parameters of Dairy Cows in Experimental and Field Conditions
Z. Farkasova, P. Reichel, K. Kovac, M. Fabini, A. Bobus, G. Kovac (Slovakia)

Preventive Diagnosis in Dried Cows on Two Farms with the Monitoring of Clinically Manifested Problems during the Lactation Phase

Study the Effects of Dry Period Length on Reproductive Indexes after Following Parturition
M. Mohammadsadegh, S. Lotfolllahzadeh, A. R. Bahonar, M. Gahry (Iran)
484 The Use of Calcium Chloride and Calcium Sulfate in an Oral Bolus as a Supplement for Postpartum Dairy Cows
J. Spain, J. Sampson, L. Carstensen, C. Jones (United States)

485 The Microelements (MCEs) Supplementation by Mineral Lick (ML) and the Level of MCEs in the Blood, Colostrum and Milk of Dairy Cows
S. Krys, A. Podhorsky, E. Lokajova, L. Pavlata (Czech Republic)

486 Preliminary Results from an Ongoing Field Study on Study on the Effect of Catosal in the Treatment of Subclinical Ketosis in Cows
P. Sarasola¹, U. Aramendi¹, U. Spiecker-Hauser², B. Schmidt² (¹Spain, ²Germany)

487 Comparison of Different Forms of Glycerol Additives and their Effects on Selected Metabolic Parameters of Dairy Cows
P. Reichel, Z. Farkasova, K. Kovacocoyo, M. Fabini, A. Bobus, G. Kovac (Slovakia)

488 Comparison of Clinical and Biochemical Observations in Cows with Physiological and Pathologic Course of Postpartal Period
J. Bires, M. Huska (Slovakia)

489 Non-Surgical Treatment of Abomasal Displacements with Zeolite in Cattle
G. Aksoy, H. Biricik, I. Çamkerten, A. Daş (Turkey)

490 Control of Ruminal pH in an Acute Acidosis Model
J. Keane¹, L. McLaughlin¹, P. Thompson¹, G. Greenwood¹, I. Bruce¹ (¹United Kingdom, ²United States)

491 Effect of Acarbose on Milk Yield and Composition in Early Lactation Dairy Cattle Fed a Ration to Induce Sub-acute Ruminal Acidosis (SARA)
J. Keane¹, L. McLaughlin¹, P. Thompson¹, G. Greenwood¹, I. Bruce¹ (¹United Kingdom, ²United States)

492 Could Phytotherapy Heal Microhematuria Caused by Chronical Ingestion of Pteridium Aquilinum?
R. Machado de Oliveira, F. Kloster, E. Bueno, C. Molli, A. Possamai, S. Cirio, M. Mangrich-Rocha, R. Ollhoff (Brazil)

493 Clinico-therapeutic Studies on Post-parturient Hemoglobinuria in Buffaloes
S. Sridhar (India)

494 The Effect of Cu, Se, Mn and Zn Supplementation on Tissue and Organ Concentration of Copper in Goats
O. Langová, A. Pechová, L. Mišurová, L. Pavlata, R. Dvořák (Czech Republic)

495 Evaluation of Copper Status in Dairy Cows Living in Region Irrigated with Potato Utility Refuses
M. Kieczenkowski, W. Klucinski, T. Jakubowski, K. Dembele (Poland)

496 Diurnal Variation of Acid Base Status in Cows Fed Different Anionic Salts Once a Day only
C. Gelfert¹, A. Lötter¹, N. Montag², R. Staufenbiel² (¹Austria, ²Germany)

497 Influence of a Starter with Rape Cake on the State of Health in Calves
R. Dvorak, L. Pavlata, A. Pechova, J. Filippek, E. GOPfert (Czech Republic)

498 The Effect of Vitamin E Supplementation on Oxidative Status of Dairy Cows
R. Bouwstra, P. Dobbelaar, M. Nielen, T. Werven (The Netherlands)

499 Secondary Hepatogenous Photosensitization in Buffalos due to the Excessive Accumulation of Hepatic Copper
A. Minervino¹, R. Barreto Júnior¹, F. Rodrigues¹, L. Reis¹, R. Ferreira¹, S. Headley², E. Ortolani¹ (¹Brazil, ²Finland)

500 Trace Elements in Cattle: Copper and it’s “Friends”
A. Mueller, B. Freude, M. Scholz, M. Weiss (Germany)

501 Effect of Chronic Glucose Infusion on Lactation Performance and Metabolic Profiles in Dairy Cows
B. Al-Trad, K. Reisberg, T. Wittke, A. Alkaassem, G. Gäbel, M. Fürl, J. R. Aschenbach (Germany)

502 Biochemical Profile of Cattle with Induced Hypocalcaemia and Subsequently Treated with an Enriched Calcium Solution
R. Barreto Júnior, A. Minervino, F. Rodrigues, E. Meira Júnior, R. Ferreira, A. Lima, C. Mori, E. Ortolani (Brazil)

503 Clinical Picture of Induced Hypocalcaemia in Holstein Heifers Subsequently Treated with an Enriched Calcium Solution
R. Barreto Júnior, A. Minervino, F. Rodrigues, E. Meira Júnior, R. Ferreira, A. Lima, C. Mori, E. Ortolani (Brazil)
504 Evaluation of Faecal Quality as a Diagnostic Tool in SARA Diagnosis in Dairy Cattle
J. Tajik, M. Nadalian, A. Raoofi, G. Mohamadi, A. Bahonar (Iran)

505 Occurrence of Primary Pregnancy Toxemia of Ewes due to a Misdiagnosis of Pregnancy via Ultrasoundography
N. Alidadi, S. Rafia, S. Moada, M. Eslampour (Iran)

506 The Use of Urinary pH Measured in Pooled Urine Samples for Monitoring the Use of Anionic Salts in Dairy Cow Herds
C. Gelfert¹, S. Römer², N. Brand¹, M. Goebels², R. Staufenbiel¹ (¹Austria, ²Germany)

507 Effect of Anionic Salts Supplement in Last Two Months Pregnant on Metabolic Disorders and Blood Minerals of Holstein Cow
M. Ganjkhanlou, A. Nikkah, A. Zali, M. Motlagh (Iran)

508 The Effect of Sodium Selenite and Sel-Plex on Selenium Deficiency Prevention in Beef Cattle
J. Ileki, M. Matječek, D. Kumprechtová, M. Hulík, T. Berka (Czech Republic)

509 Effects of Various Anti-Stress Additives in Daily Diets on the Microelements of the Heat Stress Cows
H. Yuan, D. E. He, J. Wu, L. I. Wen, L. I. Yuan, R. Li, M. Zhang (China)

510 The Comparison of Some Blood Minerals of Najdi Cattle in Hot and Cold Seasons
A. Rasooli, G. Khadjeh (Iran)

511 An Investigation on Subclinical Ketosis in a Dairy Farm of Guangdong Province
K. Wang, J. Xu (China)

512 Cold Pressed and Extruded Rapeseed Oilcake for Dairy Cows Feeding
J. Dulbinskis, V. Sterna, D. Ikauniece, I. Zitare (Latvia)

513 Cations and Anions Contained in Diets and its Effect on Indices of Acid-Base Balance of Dairy Cows
J. Twardoń, R. Bodarski, S. Kinal, S. Krzywiecki, J. Preś, R. Mordak (Poland)

514 GH Serum Values in Dairy Cows with Clinical Primary Ketosis
A. Cuomo, L. Scaletta, G. Bertoni, L. Esposito (Italy)

515 Romifidine as Treatment for Primitive Ketosis in Dairy Cow
A. Cuomo, L. Scaletta, G. Bertoni, L. Esposito (Italy)

516 Mycotoxin Screening in Healthy Cows and Cows with Abomasal Displacement
A. Alkaassem, M. Fürll, S. Dänicke (Germany)

517 Strong Electrolytes (Sodium, Potassium, Chloride) Determine Hydrogen Ion and Bicarbonate Concentrations in Urine of Ruminants
H. Staempflü¹, P. Constable² (¹Canada, ²United States)

518 Fat Mobilization Syndrome and Blood Coagulation in Cows
K. Waldau-Ringel, M. Müller, M. Fürll (Germany)

519 Oxalates Plants: Reviewed of Eco Toxicological Aspects among Farm Animals
M. Abdallah¹, T. Abdelkrim¹, K. Gerard² (¹Algeria, ²France)

520 Saponins and Pithomyces Chartarum Spores Evaluation in Pastures from Southwestern of Goiás State, Brazil
K. Brum, M. C. Fioravanti, M. Haraguchi, L. A. Silva, F. Riet-Correa, J. R. Borges, J. Souza, E. Campos, M. Pires, A. Pinto (Brazil)

521 The Effect of Dry Period versus Continuous Lactation on 8-carotene, Vitamin A and Vitamin E in the Mammary Secretion
F. Schweigert, A. Wesser, I. Buchholz, J. Raila (Germany)

522 Bovine Hepatic Function in Brachiaria Pastures from Southwestern of Goiás State, Brazil
K. Brum, M. C. Fioravanti, M. Haraguchi, L. A. Silva, F. Riet-Correa, J. R. Borges, J. Souza, E. Campos, M. Pires, A. Pinto (Brazil)

523 A Novel One-Step Method for Fat-Soluble Vitamins and 8-carotene in Blood at Cow-Side
F. Schweigert, R. Mothes (Germany)

524 Effect of 2-Methyl-2-Phenoxy Sodium Propionate on Lipid Profile in Postparturient Dairy Cows
J. Bouda, M. A. Blanco, J. Ávila, C. Hernández, E. G. Salgado (Mexico)

525 Ammonia Detoxication Efficacy in Cattle Adapted or not to Dietary Urea and afterwards Undergone to Different Privation Periods
N. Santos, E. Ortolani, C. Mori, A. Antonelli, M. Sucupira, S. Kitamura (Brazil)
526 **Do Cows with Subclinical Milk Fever have Low Skin temperature? Can We Use Skin Temperature for Diagnosis of Hypocalcaemia?**
L. Carstensen, U. Doerfeld, J. Deitmer, L. Nielsen (Denmark, Germany)

527 **Effect of Feed Supplementation on Health and Milk Yield of Dairy Cows Grazing Endophyte Infested (N. lolii) Yatsyn-1 Ryegrass Pastures**
F. Lanuza, H. Uribe, A. Torres, E. Cisternas, O. Araya, F. Wittwer, S. Moyano, C. Uribe, L. Angulo, M. Villagra (Chile)

528 **Assessment of Three Sources Used for Magnesium Supplementation in Grazing Dairy Cows**
G. Wittwer, D. Scandolo, H. Chihuailaf, L. Böhmwald, A. Contreras (Chile)

529 **Effect of Feed Supplementation on Health and Milk Yield of Dairy Cows Grazing Endophyte Infested (N. lolii) Yatsyn-1 Ryegrass Pastures**
F. Lanuza, H. Uribe, A. Torres, E. Cisternas, O. Araya, F. Wittwer, S. Moyano, C. Uribe, L. Angulo, M. Villagra (Chile)

530 **Assessment of Three Sources Used for Magnesium Supplementation in Grazing Dairy Cows**
G. Wittwer, D. Scandolo, H. Chihuailaf, L. Böhmwald, A. Contreras (Chile)

531 **Atypical Interstitial Pneumonia Associated with Sweet Potato (Ipomea batatas) Poisoning in Adult Beef Cows in the UK**
I. Mawhinney, S. Trickey, N. Woodger, J. Payne (United Kingdom)

532 **Key Hepatic Gluconeogenesis Enzymes Activity in Response to Long-term Glucose Infusion in Dairy Cows**
B. Al-Trad, K. Reisberg, T. Wittek, G. Gäbel, M. Fürl, J. R. Aschenbach (Germany)

533 **Milk Drop Syndrome in Dairy Ewes: Clinical and Diagnostic Approach**
N. Giadinis, G. Arsenos, G. Fthenakis, P. Tsakos, C. Dovas (Greece)

534 **The Relation of Ante Partum Backfat Thickness with Metabolic Disorders and Fertility Problems in Dairy Cows – a Long Term Study**
H. Pothmann-Reichl, F. Zimmer, I. Sommerfeld-Stur, C. Iben (Austria, Germany)

535 **Trace Element Deficiency in the Azorean Cattle: an Animal Production, Health and Economical Constraint**
C. Pinto, J. Viana, P. Aranha (Portugal)

536 **Correlations between Milk Fat Content and Fatty Acid Composition in Cows Receiving Different Lipid Supplements at Four Dietary Fiber Levels**
H. Fébel, J. Várhegyi, J. Schmidt, I. Várhegyi (Hungary)

537 **The Effect of Antioxidant and Omega-3 Fatty Acid Supplement on Metabolic Status and Reproductive Performance in Postpartum Dairy Cows**
F. Tóth, G. Gábor, O. Balogh, G. Koppány, H. Fébel (Hungary)

538 **The Relation of Ante Partum Backfat Thickness with Metabolic Disorders and Fertility Problems in Dairy Cows – a Long Term Study**
H. Pothmann-Reichl, F. Zimmer, I. Sommerfeld-Stur, C. Iben (Austria, Germany)

539 **Use of Hypertonic and Isotonic Saline Solution and Furosemide for the Treatment of the Ammonia Poisoning in Cattle**
S. Kitamura, A. Antonelli, R. Barreto Júnior, C. Mori, M. Sucupira, B. Caputi, E. Ortolani (Brazil)

540 **Environmental Low Phosphorus Induced the Erythrocytic Membrane Damage: a Pathogenesis of Endemic Haemoglobinuria in Dairy Cattle**
J. L. Li, Q. Si, F. Q. Shi, S. W. Xu (China)

541 **Variability of Blood Profile and Milk Composition in Relation to Stage of Lactation and Season of the Year in Dairy Cows**
S. M. Abdel Raheem, C. Iben (Austria)

542 **Occurrence of Subclinical Metabolic Disorders and Possibility of the Prevention by Licking Block Supplementation in Beef Cows**
L. Königyves, V. Jurkovich, A. Tirián, L. Tegzes, O. Szenci, Z. Szelényi, E. Brydl (Hungary)

543 **Body Condition Score at Calving and Supplementation with Yeast Affect Blood Mineral and Liver Enzyme Concentrations in Peripheral Blood of Peri-parturient Dairy Cows**
L. O’Grady, R. Alibrahim, V. Gath, M. Doherty, F. Mulligan (Ireland)

544 **Serum Concentration of Minerals and 25-Hydroxyvitamin D in Periparturient Dairy Cows and its Relation to Backfat Thickness**
G. Salgado, J. Bouda, A. Castillo, J. Doubek, S. Dávila, J. Quintero, H. Romero (Mexico, Czech Republic)
545  Relationship between Body Condition and Metabolic Parameters in Dairy Cows according to Different Days in Milk
Z. Gergác, E. Báder†, E. Szűcs, A. Kovács, L. Könyves, E. Brydl (Hungary)

546  Selenium Blood Levels and Lymphocyte Response to Mitogenic Treatment in Cows and Their Calves Supplemented with Organic and Anorganic Forms of Selenium
P. Slavík, J. Sichtár, M. Brix, J. Illeč, R. Rajmon, F. Jilek (Czech Republic)

547  Milk Fat and Protein Contents as Additional Indicators for Prediction of the Onset of Cyclic Ovarian Activity in Dairy Cows Post Partum
J. Sichtár, P. Slavík, R. Rajmon, L. Kourimska, P. Klabanova, F. Jilek (Czech Republic)

548  Effect of Organic and Inorganic Zinc Supplementation on the Prevention of Zinc Deficiency in Aberdeen Angus Calves
S. Dresler, L. Perlíkova, D. Kumprechtová, J. Illeč (Czech Republic)

Mastitis / Udder Health and Milk Quality

549  Study on Frequency, Etiology and Somatic Cell Counts of Subclinical Ovine Mastitis in Tabriz, Iran
R. Beheshti Govij, J. Shaigh, J. Dulgari, M. Mousapour (Iran)

550  Risk Factors for Subclinical Mastitis in Dairy Cows
G. Souza, C. Coentrao, J. Brito, M. Brito, W. Lilienbaum (Brazil)

551  Some Epidemiological Studies on Subclinical Mastitis in Dairy Cows in Assiut Governorate
A. Abdel-Rady, M. Sayed (Egypt)

552  Field Trial in Northern Italy to Evaluate the Efficacy of Two Different Therapies against Acute Clinical Mastitis in Dairy Cows
V. Cuteri†, R. Froyman‡, L. Nisoli‡, A. Romero Tejeda†, S. Prezioso†, A. Attili‡ (†Italy, ‡Germany)

553  Evolution of the SCCT during 2 Periods of 1 Year in Northern Costa Rica
L. Cordero Umana, J. Quiros, C. Boschini (Costa Rica)

554  A Study to Measure the Effect of Using a Sanitizer to Clean Cows’ Teats before Milking, on the Bacterial Count of Teat Skin
K. Fehlings, R. Huber-Schlenstedt, J. Denke, A. Gangl (Germany)

555  Aflatoxin Contaminations in Milk and Feed in Kermanshah, Iran
N. Jamali, M. Moenini, M. Ghasempour (Iran)

556  Studies on Some Aspects of Mastitis in Lactating One Humped Camels in U.A.E.
A. Yas, N. Kamat (United Arab Emirates)

557  Comparison of Pathogens and Antimicrobial Susceptibility of Isolates from Conventional and Robotic Milking Herds in Korea
D. Kim, S. Y. Jeong, S. J. Ahn (Republic of Korea)

558  Use of Quarter Milk or Composite Samples for Diagnosis of Subclinical Bovine Mastitis in Dairy Farms
C. Ribeiro†, D. Castro†, J. Gali†, P. Teixeira†, J. Simoes† (†Portugal, ‡Spain)

559  Characterization of the Milk Lipid Globules in Varzese-Ottonese Cow by Laser Scatter Granulometry

560  Importance of the Udder Health Condition before Dry-off for the Subsequent Early Lactation
N. Grabowski, J. Hamann, G. Klein (Germany)

561  Efficacy of Extended Intramammary Therapy to Treat Clinical Mastitis in Lactating Dairy Cows under Field Conditions
V. Kroemker, C. Zinke, J. H. Paduch, D. Klocke, J. Friedrich (Germany)

562  Reasons for Culturally Negative Results of Quarter Foremilk Samples from Clinical Bovine Mastitis
V. Kroemker, C. Zinke, J. H. Paduch, D. Klocke (Germany)

563  Bacteriological Quality of Believed Milk (Case of the Farms of the Area of Mitidja)
D. Guetarni, D. Baazize-Ammi, E. Lebres, A. Dechicha, S. Kebbal (Algeria)
<table>
<thead>
<tr>
<th>Poster Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mastitis / Udder Health and Milk Quality</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Poster Session ID</th>
<th>Title</th>
<th>Authors/Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>565</td>
<td>Bacteriological Quality of Believed Milk (Case of the Points of Sale of the Area of Mitidja)</td>
<td>D. Guetarni, D. Baazize-Ammi, A. Lebres, A. Dechicha, S. Kebbal (Algeria)</td>
</tr>
<tr>
<td>566</td>
<td>Somatic Cells Count of Milk in Algeria</td>
<td>S. Kebbal, I. Gharbi, M. Amara, S. Guemra, D. Guetarni (Algeria)</td>
</tr>
<tr>
<td>568</td>
<td>Therapeutic Effects of Silver Ion on Clinical Mastitis in Holstein Cows</td>
<td>S. J. Kang, Y. H. Jung, Y. J. Do, H. S. Kim (Republic of Korea)</td>
</tr>
<tr>
<td>569</td>
<td>Effect of Silver Ion and Staphylococcus aureus-derived Alpha-toxin on Normal Bovine Mammary</td>
<td>S. J. Kang, Y. H. Jung, Y. J. Do, H. S. Kim (Republic of Korea)</td>
</tr>
<tr>
<td></td>
<td>Gland Epithelial Cell</td>
<td></td>
</tr>
<tr>
<td>570</td>
<td>Morphology and Viability Assessment of Leukocytes in Low Somatic Cell Count Milk</td>
<td>D. Mehe, S. Meyer, H. J. Schuberth, H. Zerbe, W. Petzl (Germany)</td>
</tr>
<tr>
<td>571</td>
<td>Microbiological and Pharmacokinetic Properties of a New Amoxicillin/Clavulanic Acid Product for</td>
<td>H. R. Hehnen¹, K. Fraatz², J. Braidwood², A. Pridmore³, H. Greife³, S. Filios¹ (Germany, United Kingdom)</td>
</tr>
<tr>
<td></td>
<td>the Intramammary Treatment of Clinical Mastitis in Lactating Dairy Cows</td>
<td></td>
</tr>
<tr>
<td>572</td>
<td>Efficacy of a New Amoxicillin/Clavulanic Acid Product for the Intramammary Treatment of Clinical</td>
<td>S. Filios¹, J. Braidwood², K. Fraatz², R. Froyman¹ (Germany, United Kingdom)</td>
</tr>
<tr>
<td></td>
<td>Mastitis in Lactating Dairy Cows</td>
<td></td>
</tr>
<tr>
<td></td>
<td>at Calving, in Two Dairy Herds under Field Condition</td>
<td></td>
</tr>
<tr>
<td>574</td>
<td>Evaluation of Four Fluoroquinolone Treatment Regimens for Acute Bovine Mastitis</td>
<td>R. Froyman, S. Filios, B. Brunner, N. Brunner, A. Torres, K. Hellmann (Germany)</td>
</tr>
<tr>
<td>575</td>
<td>Virulotyping and Genetic Comparison of Strains of Staphylococcus aureus Associated with Bovine</td>
<td>B. Taminiau, I. Diizier, J. Mainil (Belgium)</td>
</tr>
<tr>
<td></td>
<td>Mastitis</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Consumption Coagulopathy, Hemoconcentration and Hepatobiliary Damage</td>
<td></td>
</tr>
<tr>
<td>578</td>
<td>Pseudomonas Mastitis: Elimination from Contaminated Wash-water Systems by Slightly Acidic</td>
<td>K. Kawai, M. Kitou, T. Mitamura, I. Uchida, K. Hirose, H. Nagahata (Japan)</td>
</tr>
<tr>
<td></td>
<td>Electrolyzed Water</td>
<td></td>
</tr>
<tr>
<td>579</td>
<td>Acute Clinically Mastitic Animals in Some Assiut Governorate Villages: Diagnosis and Treatment</td>
<td>M. Sayed, A. Abd El-Rady (Egypt)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>580</td>
<td>Efficacy of Extended Therapy of Staphylococcus aureus with Intramammary Cefuroxime</td>
<td>J. Spatz Shelgren, K. Parker, S. McDougall (New Zealand)</td>
</tr>
<tr>
<td>581</td>
<td>Relationship between Somatic Cell Count (SCC) and Bacterial Infection of Goat Milk: 1st Report</td>
<td>H. Ghasemzadeh-Nava, S. Bokaee, P. Tajik (Iran)</td>
</tr>
<tr>
<td></td>
<td>of Caprine Subclinical Mastitis from Iran</td>
<td></td>
</tr>
<tr>
<td>582</td>
<td>Comparing the Efficacy of Copan and Delvotest to Detect of Antibiotic Residues in Bulk Tank Milk</td>
<td>M. Mohammadsadegh, S. Bokaii, T. Mosavi, E. Abbaszadeh (Iran)</td>
</tr>
<tr>
<td></td>
<td>Samples of Garmser Dairy Farms</td>
<td></td>
</tr>
<tr>
<td>583</td>
<td>An Integrated Approach to Production Process and Education in Dairy Cattle Farming: The</td>
<td>E. Souglis, G. Arsenos, G. Valergakis, A. Giamoustaris (Greece)</td>
</tr>
<tr>
<td></td>
<td>American Farm School</td>
<td></td>
</tr>
<tr>
<td>584</td>
<td>Apoptosis and Autophagy in Involuting Bovine Mammary Gland – the Role of TGF-beta1 and</td>
<td>J. Zarzyńska, B. Gajkowska, U. Wojewódzka, T. Motyl (Poland)</td>
</tr>
<tr>
<td></td>
<td>Somatotropic Pathway Proteins</td>
<td></td>
</tr>
</tbody>
</table>
A Pilot Study on the Bacteriological Diagnostics of Bovine Mastitis Carried Out by Finnish Veterinarians
H. Simojoki, S. Erkkilä, A. Pirkkala, P. Pyorälä (Finland)

Mycoplasma Bovis Outbreak in a Dairy Herd: Consequences on Production and Reproduction
L. Pinho, I. Maia, N. Canada, C. Azevedo, M. Machado, E. Silva, G. Thompson, J. Carvalheiro (Portugal)

Bulk Milk Tank Staphylococcus aureus UCF Count as Predictive Datum for Bovine Herd’s Infection Level
G. Varisco, L. Bertocchi, N. Contessi, M. Tranquillo, G. Bolzoni (Italy)

Investigation of Bedding Treatment Ability to Remove Escherichia coli Suspensions from Rubber Cow Mats
R. Reinbold, T. Hemling, X. Goossens (United States, Belgium)

Evaluating the Teat Condition Performances of a New Teat Spray in an Automatic Milking Environment
X. Goossens, L. Bommelé, W. Ingalls, T. Hemling (Belgium, United States)

Prevalence of Intramammary Infection in Pregnant Heifers
M. Vasil, J. Bires (Slovakia)

Concentration of Ascorbic Acid in Blood of Cows Affected with Clinical Mastitis before and after Treatment Using Cobactan
M. Kleczkowski, W. Klucinski, T. Jakubowski, K. Dembele (Poland)

Glutathione Peroxidase Activity in Blood of Cows Affected with Subclinical Mastitis before and after Treatment Using Cepravin TM Dry Cow
T. Jakubowski, W. Klucinski, M. Kleczkowski, K. Dembele (Poland)

Etiology of Bovine Mastitis in the Municipality of Patzcuaro, Michoacan, Mexico
C. Bedolla, A. Mejía, S. Rentería, J. Conejo, H. Castaneda, W. Wolter, M. Kivaria (Mexico, Germany, Tanzania)

Origin of Clinical and Subclinical Mastitis in Dairy Herds of the Federal State Jalisco, Mexico

Evaluating Post-Milking Teat Dip Efficacy using Somatic Cell Count Data
A. Bradley, J. Breen, P. Janowicz, M. McKinzie, T. Hemling (United Kingdom, United States)

The Effectiveness of Cefalosporine+Kanamicine and Ampiciline Gentamicine + Dexametazone in the Treatment of Clinical Mastitis in the Livestock Bovine Milk in Mexico
M. Posadas, L. Matus, O. Blanco, B. Pena (Mexico)

Effect of Anhydrous Cephalonium-Based Drug Indicated for Bovine Mastitis Treatment during the Dry Period on Phagocytosis Rates
C. Batista, M. Blagitz, M. Azedo, C. Stricagnolo, M. C. Sucupira, A. M. Della Libera (Brazil)

Microbiological Evaluation, Somatic Cell and Differential Leukocytes Count in Relation to California Mastitis Test in Sante Ins Ewes

The Effects of Pasture Management on Udder and Teat Hygiene Scores and Somatic Cell Counts on UK Dairy Farms
K. Parker, A. Bradley, S. McDougall (New Zealand, United Kingdom)

Effect of Lactation Stage on Milk Composition in Healthy Sante Ines Ewes
A. M. Della Libera, M. Blagitz, C. Batista, N. Benites, M. Azedo, F. Souza, V. Gomes (Brazil)

The Quality of the First Colostrum and the Prophylaxis of the Neonatal Rhinohoe in Calves
R. Morar, D. Pusta, I. Pasca, R. Sobolu (Romania)

Coagulase Gene Polymorphism of Staphylococcus aureus Isolated from Subclinical Bovine Mastitis
O. Aslanitas, C. Demir, H. Turutoglu, Z. Cantekin, Y. Ergun, G. Dogruer (Turkey)

Variation of the Cow Milk Quarter-level Somatic Cell Count and Lactose Concentration in Relation to Blood Urea, Complement and Hematological Parameters
I. Lusis, V. Antane (Latvia)

Evaluation of Intramuscular Administration of Penicillin G and Oxytetracycline on Milk Yield in Holstein Cows during Milking Period
M. Pourjafar, B. Hojati, M. Shakhise Niaie (Iran)
605 The Usefulness of Portable DeLaval Cell Counter to Measurement of SCC in Milk from Healthy and Mastitic Cows  
E. Malinowski, S. Smulski, A. Arczyńska (Poland)

606 Bactericidal Action of the Combination between Cefalexin and Ciprofloxacin against Bovine Mastitis Pathogens  
E. Bousquet, L. Denault, J. P. Ganiere (France)

607 Keratin Plug Presence in Heifers 60 Days before Calving and its Relation with Intramammary Infections  
L. Jimienez, R. Timon, J. Marco (Spain)

608 Preliminary Results of Researches on Correlation between Some Blood Acid-Base Balance Indices and Yield as well as Composition of Cows’ Milk  
S. Kinal, R. Bodarski, J. Proś, J. Twardoń, S. Krzywiecki, M. Słupczyńska (Poland)

609 Multiplex PCR Detection of Enterotoxin Genes of Staphylococcus aureus Strains Isolated from Bovine Mastitis  
B. Sareyyupoglu, Z. Cantekin, M. Akan, D. Essiz (Turkey)

610 Prevalence of Mastitis Pathogens in Quarter Milk Samples of Dairy Cows in Switzerland  
M. Brechbuehl, S. Moret-Stalder, S. Albini, T. Kaufmann (Switzerland)

611 The Incidence of Bovine Mastitis in Korean Dairy Cattle from 2004 to 2007  
H. M. Nam, J. M. Kim, K. C. Jang, J. M. Kim, H. M. Kang, J. S. Moon, H. R. Han, S. C. Jung, Y. S. Cho (Republic of Korea)

612 Pharmacokinetics and PK/PD Integration of Azithromycin in Lactating Dairy Cows with Subclinical Mastitis Caused by Staphylococcus aureus  
M. Lucas, L. Marchetti, A. Lambertini, J. Errecalde, N. Mestorino (Argentina)

613 Clinical Course of Staphylococcal Bovine Acute Mastitis during Postpartum, after Antibiotic Therapy  
J. Fagliari, L. Matins Filho, A. Vidal-Martins (Brazil)

614 Comparison between DeLaval Cell Counter DCC and Fossomatic 5000 for the Determination of Somatic Cell Count of Bovine Milk  
J. P. Roy, L. Des Côteaux, D. du Tremblay (Canada)

615 Effect of Systemic Antibacterial Administration during Prepartum Period on Coagulase Negative Staphylococcal Intramammary Infection in Holstein Heifers  
O. Ataie, P. Hovareshi, M. Bolourchi, A. Barin, A. Gerami, A. Niasari-Naslaji (Iran)

616 Bovine Mastitis Pathogens Isolated from Subclinical and Clinical Mastitis in France  
O. Bidaud, P. Houffschmitt, J. Swinkels (France, The Netherlands)

617 Antibiotic Susceptibility of Staphylococcus aureus Strains Isolated from Bovine Mastitis Milk in France  
O. Bidaud, J. Swinkels, M. Bonnier (France, The Netherlands)

618 Antibiotic Susceptibility of Coagulase Negative Staphylococci (CNS) Isolated from Bovine Mastitis Milk in France  
O. Bidaud, J. Swinkels, M. Bonnier (France, The Netherlands)

619 Uterine Bacteriology Data in Cows with Post Partum Acute Metritis Treated with Cobactan® IU  
B. Huyghe, C. de Sa, J. Szabó, J. Földi, P. Cox, J. Swinkels (France, Hungary, The Netherlands)

620 Effects of Subclinical Mastitis during Early Lactation on Reproductive Parameters in a Dairy Herd in Iran  
R. Asadpour, M. Toloeei (Iran)

621 Use of Acute Phase Proteins SAA and MAA in the Diagnosis of Mastitis in Dairy Cows  

622 Specificity of the PathoProof Mastitis PCR Assay Validated Using Culture Isolates  
J. Holopainen, L. Salmikivi, M. Koskinen (Finland)

623 Detection of Mammary Blood Flow Changes by Transrectal Colour Doppler Sonography in an E. coli Mastitis Model  
A. Potatpow, S. Schmauder, W. Petzl, C. Sauter-Louis, J. Friker, C. Poulsen Nautrup, H. Zerbe (Germany)

624 Total and Differential Somatic Cell Counts in the Colostrum of Non-infected Cows  
V. Gomes, K. Madureira, S. Kitamura, A. Gomes, M. Blagitz, A. Della Libera, F. Benesi (Brazil)
Poster Session
Mastitis / Udder Health and Milk Quality

625  **Immunoglobulins in the Colostrum of Non-infected Cows**
V. Gomes, K. Madureira, A. Moraes, M. Blagitz, F. Benesi (Brazil)

626  **Direct Bactericidal Activity of Phagocytes from Bovine Colostrum against Enterotoxigenic Escherichia coli (ETEC)**
V. Gomes, K. Madureira, A. Moreno, J. Moura, C. Bonato, M. Blagitz, G. Pontes, F. Benesi (Brazil)

627  **Study of Microbiological Analysis and Somatic Cell Count on Milk Samples from Buffalo Females (Bubalus Bubalis) in State of Sao Paulo, Brazil**
J. Kapronezai, N. Benites (Brazil)

628  **Bacteria Associated with Subclinical Mastitis in Heifers in a Dairy Herd in Iran**
R. Asadpour, M. Tooloei, N. Nofouzi (Iran)

629  **Subclinical Mastitis in Moroccan Dairy Cattle: Epidemiological and Bacteriological Aspects and Resistance Profile of Isolated Bacteria**
Z. Zouagui, S. Alali, A. Ukili (Morocco)

630  **Identification the Coagulase-negative Staphylococci Isolates from Bovine Mastitis and Evaluation of the Inflammatory Process**
E. Costa, F. Guimaraes, P. Faccioli, F. Santos, H. Langoni, J. Arcaro, A. Peres, M. Cunha (Brazil)

631  **Viability Rate of Healthy Cow’s Milk Leukocytes Facing Anti-Mastitis Drugs**
C. Batista, M. Blagitz, M. Azedo, C. Stricagnolo, A. Della Libera (Brazil)

632  **Prevalence of Selected Pathogens of Mammary Gland in Cattle in the Czech Republic during Years 2003-2007 and their Sensitivities to Cephalaxin**
J. Bzdil (Czech Republic)

633  **The Phenotypical Correlations between Somatic Cell Count and Principals Characters of Cow Milk Production for Suceave County**
M. Ivancia, C. Pascal, I. Gilca (Romania)
Poster Session
Infectious and Zoonotic Diseases (Public Health)

Infectious and Zoonotic Diseases (Public Health) 634-736

634 Diagnostic Studies on Caprine Brucellosis at Assiut Governorate, Egypt
T. El-Allawy, A. Ahmed, M. Hussien, M. Sayed, M. Abdel-Rady (Egypt)

635 Prevalence of the Pulmonary Lesions of the Bovines of the Area of Tiaret
B. Mabrouk, T. Madjid, M. Toufik, M. Bakir (Algeria)

636 A Retrospective Study of Bovine Tuberculosis Eradication Project and Human Tuberculosis
M. Sakha, N. Ezatpanah, A. Rohitoorbati (Iran)

637 Bovine Theileriosis: Evaluation of 372 Cases during Spring and Summer in South of Iran
M. Sakha, M. Radfar, M. Janbaz (Iran)

638 New Approaches in the Prophylaxis of Prion Infections
V. Vlizlo, P. Verbitskii, C. Mayor, V. Stadnyk (Ukraine)

639 Brucellosis Surveillance in Jordan, 2001-2006
B. Barqawi, Z. Mashhadani, B. Hijjawi (Jordan)

640 Comparison of Biochemical Profiles of Hydatid Cyst Fluids of Echinococcus granulosus from different Hosts in Iran
A. Eslam, P. Khazraii, H. R. Mohamadi (Iran)

641 Vaccinia Virus in Humans and Cattle in Southwest Region of Sao Paulo State
J. Megid, C. Appollinario, R. Carreira, H. Langoni, M. Pituco, L. Okuda (Brazil)

642 Mycoplasma bovis Sanitation Program in a Dairy Herd Using Baytril 100/Max and Biosecurity Measures
D. Gevaert, P. Passchyn (Belgium)

643 Analysis of Pathways for Release of Rift Valley Fever Virus into the Continental United States
R. Kasari, A. Carr, V. Lynn, T. Weaver (United States)

644 Analysis of Pathways for Release of Ehrlichia ruminantium (Heartwater) into the Continental United States
R. Kasari, E. Lawrence, H. Howe, L. Farnsworth, E. Freier, M. James, S. Miller (United States)

645 Epidemic of Bovine Viral Diarrhea Virus (BVDV) Infection Originated from 3 Persistently Infected Cattle on a Farm during a 5-year Period
M. Tajima, K. Sano (Japan)

646 Paraclinical Findings of Chronic Extensive Peritonitis in a Diarrheic Young Calf
N. Atyabi, N. Alidadi, M. Hashemian (Iran)

647 Molecular Survey on Occurrence of Mycoplasma mycoides Subspecies Mycoides L.C and S.C in Pulmonary Infection of Iranian Cattle, Goats and Sheep
N. Atyabi, Z. Nikusefat, S. A. Pourbakhsh (Iran)

648 Application of PCR and Hematological Findings in Replacement Dairy Heifers with ELISA Seropositive to Bovine Leukosis Virus Infection
T. Rukkwamsuk, S. Fanneum (Thailand)

649 Bovine Leptospirosis in Sardinia: Isolation and Evaluation of Molecular Methods
M. Ponti, G. Sanna, G. Carboni, G. Canu, M. Manca, M. Noworol, B. Palmas, E. Marongiu, C. Patta (Italy)

650 Serological Surveillance of Contagious Bovine Pleuropneumonia between 2005 and 2007 Years in Romania
R. Radulescu, G. Petriceanu, A. Ragalie, E. Gutu (Romania)

651 Compatibility of Inactivated Bovine Viral Diarrhoea (BVD) and Leptospira Interrogans Serovar Hardjo Vaccines
I. Mawhinney1, B. Makoschey2 (1United Kingdom, 2The Netherlands)

652 Simultaneous Infection of Calves with Maternal Antibodies with Bovine Rotavirus and Coronavirus under Experimental Conditions
U. Schmidt, M. Timmermans, P. Tonen, B. Makoschey (The Netherlands)

653 Serum-free Produced Live Virus Vaccines are Efficacious and Safe
B. Makoschey, P. Gelder (The Netherlands)

654 Complete Protection from Renal Infection with Leptospira Borgpetersenii Serovar Hardjo in Calves after Transfer of Specific Antibodies
E. Klaassen, T. Mols, M. Smit, B. Makoschey (The Netherlands)
655 Compatibility of a Live IBR Marker Vaccine and an Inactivated BVDV Vaccine
B. Makoschey¹, J. Munoz Bielsa², L. Santos², M. Alvarez² (¹The Netherlands, ²Spain)

656 Compatibility of an Inactivated IBR Marker Vaccine and an Inactivated BVDV Vaccine
B. Makoschey¹, J. Donate², L. Santos², M. Alvarez² (¹The Netherlands, ²Spain)

657 A Serological Study on Bovine Viral Diarrhea – Mucosal Disease (BVD-MD) in Kurdistan Province
S. Fakur, F. Hemmatzadeh (Iran)

658 Treatment of Infectious Diseases in Sheep with Enrofloxacin 10% (Kinetomax) – Case Reports
M. I. Ferreira, E. J. Facury Filho, A. U. Carvalho, I. Borges, G. Macedo Junior, N. Martins (Brazil)

659 Efficacy Following a Flexible Dose Regimen of Spirovac®, a Leptospira Borreliosera Serovar Hardjo (Type Hardjo-bovis) Bacterin, in a Challenge Study in Cattle
D. Cleary², S. Behan¹, J. Wong¹, M. Fisher¹, S. Saginala¹, L. Kopta¹, M. Tory¹, A. Weber¹, G. Gallo¹, R. Leyh¹, J. Galvin¹, J. Salt² (¹United States, ²United Kingdom)

660 Survey on Dairy Cows Infective Abortions in the North-East of Italy
A. Barberio, N. Pozzato, L. Ceglie, S. Nardelli, M. Badan, G. Vicenzoni (Italy)

661 Severe Outbreak of Malignant Catarrhal Fever in a Dairy Herd
T. Autio, P. Syrjälä, M. Hautaniemi, U. Rikula, S. Pelkonen (Finland)

662 Evaluation of Nasopharyngeal Swabs in Sampling for Respiratory Pathogens in Calves
T. Autio, T. Pohjanvirta, A. Huovilainen, L. Sihvonen, S. Pelkonen (Finland)

663 First Case of Immunohistochemical Detection of Mycoplasma bovis in Natural Cases of Calf Pneumonia in Hungary
L. Szeredi, T. Labossa, M. Tenk, V. Pálfi, D. Rigó, T. Molnár (Hungary)

664 Short-duration Antimicrobial Treatment of Bovine Respiratory Disease with Enrofloxacin, Florfenicol and Ceftiofur
R. Froyman¹, C. Boda², C. Rizet², A. Valognes², N. Brunner¹, P. Liege², H. Navetat² (¹Germany, ²France)

665 The Seasonal Changes of Hemogram with Tick-borne Pathogens in Cattle in Jeju Island, Korea
Y. H. Li, S. S. Lee, T. Y. Kang, J. Park, J. S. Chae (Republic of Korea)

666 Frequency of Toxoplasma gondii Infection in Sheep from a Tropical Zone of Mexico and Analysis of the Humoral Response Changes in Ten Months
H. Caballero-Ortega, H. Quiroz-Romero, S. Olazarán-Jenkins, D. Correa (Mexico)

667 Serological Prevalence of Encephalitozoon Intestinalis Antibodies in Dairy Cows in Eastern Slovakia
V. Hisira, G. Kovac, V. Petrovic, Z. Farkasova, F. Novotny, A. Valencakova, P. Balent, L. Uptakova (Slovakia)

668 A Combined Approach to the Control of Bovine Viral Diarrhoea Virus (BVDV) Infection under Field Conditions
G. Valla¹, C. Piancastelli¹, M. Bussacchini¹, J. Munoz Bielsa², B. Makoschey², S. Cavitriani² (¹Italy, ²The Netherlands)

669 Influence of BVDV Vaccination on Reproductive Performances in Field Conditions
G. Valla¹, F. Cammi¹, J. Munoz Bielsa², B. Makoschey², F. Petrera¹, M. Bussacchini¹ (¹Italy, ²The Netherlands)

670 Frequency of Isolation and Combination of Pathogens Involved in Bovine Respiratory Disease in France: a Retrospective Analysis
F. Payot¹, E. LeDrean¹, M. Bonnier¹, B. Makoschey², C. Dore² (¹Italy, ²The Netherlands)

671 Comparison of Different Vaccination Protocols against Bovine Respiratory Disease Complex in Fattening Units
C. Tresse¹, K. Risson¹, F. Bendall¹, B. Makoschey², L. Oliviero² (¹Italy, ²The Netherlands)

672 The Use of ELISA for the Diagnosis of Goat Tuberculosis in Brazil
C. Marassi, C. Almeida, S. Pinheiro, S. Vasconcellos, W. Lilienbaum (Brazil)

673 Surveillance of Bluetongue Virus in Domestic Ruminants in Territory of the Slovakia – Draft of Research Program
J. Bires, A. Kocisova, M. Mojzis, J. Pliesovsky, V. Petrovic (Slovakia)

674 Prevalence of BVDV Infection in Big and Small Cattle Herds in Southern Bačka and SREM District in Serbia
T. Petrovic, S. Lazic, D. Bugarski, B. Djuricic (Serbia)

675 Antimicrobial Resistance in Escherichia coli Isolated from Calves in Slovakia
V. Kmet, D. Bujnakova, D. Demankova, S. Novak, R. Bobcek, T. Szakal, M. Huska (Slovakia)
**Poster Session**

**Infectious and Zoonotic Diseases (Public Health)**

---

676  **Deciphering the Value of Chlamydia-Serology in Cattle**  
J. Boettcher, A. Vossen, A. Gangl, N. Meier, G. Wittkowski (Germany)

677  **The Efficacy of Turkish Propolis and Whitfield’s Ointments in the Treatment of Ringworm in Young Cattle**  
Y. Cam, N. Koc, S. Silici, V. Gunes, H. Buldur, A. Onmaz, F. Kasap (Turkey)

678  **Bovine Leukemia Virus (BLV) Infection in Experimental Animals**  
P. Dimitrov, K. Gencheva, L. Yossifova, E. Gardeva, R. Valtchovski, E. Shikova, R. Russev (Bulgaria)

679  **Bovine and Chiropters Rabies Laboratorial Diagnosis: an Epidemiological Approach**  
F. Guimaraes, L. Ullmann, L. Camossi, H. Greca, B. Menozzi, H. Langoni (Brazil)

680  **Prevalence and Risk Factors for Campylobacter sp. Colonization in Cattle in Poland**  
M. Bednarski, A. Wieliczko (Poland)

681  **Antimicrobial Resistance of Thermophilic Campylobacter spp. from Cattle Farms in Poland**  
M. Bednarski, A. Wieliczko (Poland)

682  **Frequencies of PRNP Gene Polymorphisms in Cattle in Vietnam and Thailand for Potential Association with BSE**  
Y. Muramatsu1, M. Horimuchi1, T. Ogawa1, K. Suzuki1, M. Kanameda1, T. Hanb1, C. Tongchai1, I. Kuramontong1, P. Kriengsak1, Y. Tamura1 (1Japan, 2Argentina, 3Vietnam, 4Thailand)

683  **Bluetongue Disease in Cattle in Northrhine-Westfalia Clinical Symptoms and Economic Relevance**  
P. Heimberg, W. Adams, W. Hollberg, M. Holsteg, J. Winkelmann (Germany)

684  **Comparative Field Clinical Efficacy of Florfenicol+Flunixine Meglumine in the Treatment of Bovine Respiratory Disease**  
P. R. Cloet1, O. Roy1, F. Pillet1, V. de Haas1, C. Maisonneuve2 (1France, 2United States)

685  **Comparative Field Clinical Efficacy of a Single Intramuscular Injection of Marbofloxacine in the Treatment of Bovine Respiratory Disease**  
O. Roy, F. Pillet, A. Heurtin-Vallé, N. Prontczak (France)

686  **Characterisation of Cattle Originated Escherichia coli O157:H7 Isolates by Randomly Amplified Polymorphic DNA (RAPD) and Antibiotic Resistance**  
O. Aslantas, Z. Cantekin, B. Sareyyupoglu, M. Akan (Turkey)

687  **In vitro Antimicrobial Susceptibility of Brucella abortus Isolated in Korea**  
H. Eun Jeong, K. Jong Wan, H. Moon, C. Dong Hee, K. Sung Il, C. Yun Sang, H. In Yeong, J. Suk Chan (Republic of Korea)

688  **Persistent Infection of Foot and Mouth Disease Virus in some Slaughtered Cattle and Buffalos in Ahwaz Abattoir by RT-PCR**  
M. Ghane, A. Rasoli, M. Seyfatabad Shapouri, M. Haji Hajikolaei, A. Komeilian (Iran)

689  **Prevalence of Bovine Herpesvirus Type 1 in Southern Bačka and Srem District in the Republic of Serbia**  
S. Lazic, T. Petrovic, D. Lupulovic, M. Maljkovic, D. Bugarski (Serbia)

690  **Importance of BHV-1 in Etiology of Bovine Respiratory Disease Complex in Calves in Province Vojvodina (Republic of Serbia)**  
D. Bugarski1, T. Petrovic1, I. Pusic1, D. Lupulovic1, D. Milanov1, S. Lazic1 (Republic of Serbia)

691  **Effect of Vaccination against Leptospira on Dairy Farm Reproduction Indexes**  
D. Ruiz di Genova (Spain)

692  **Evaluation of the Immune Response in Inoculated Calves with a Recombinant Vaccine of Mycobacterium vaccae against Bovine Tuberculosis**  

693  **Evaluation of BCG Vaccine and M. bovis Culture Filtrate Protein Extract against Bovine Tuberculosis in Field Conditions**  

694  **Detection of Mycoplasma bovis in Calves and Young Cattle in the Czech Republic**  
D. Zemulková, K. Rosenbergová, Z. Pospíšil, D. Haas, R. Dvořák, L. Pavlata (Czech Republic)

695  **Detection of Lymphocytes Subpopulations in Cattle Vaccinated with BCG Vaccine and Mycobacterium bovis Culture Filtrate Proteins**  
O. Díaz, M. Jaramillo, J. Jimenez, P. Espitia, L. Lascurain (Mexico)
<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Authors</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>696</td>
<td>Tilmicosin Penetration in Aqueous Humor after its Subcutaneous Administration to Healthy Cattle and Cattle with Infectious and Traumatic Keratoconjunctivitis</td>
<td>N. Mestorino, L. Marchetti, A. Lambertini, E. Turic, G. Rojas, B. Huber, M. Lucas, M. Daniele, J. Errecalde</td>
<td>Argentina</td>
</tr>
<tr>
<td>697</td>
<td>The use of PCR for Identification of Brucella abortus in Samples from Aborted Fetuses in a Dairy Farm in the State of Aguascalientes, Mexico</td>
<td>D. Limón, G. Martínez, G. Zenteno, B. Arellano, E. Díaz, R. Flores, F. Morales</td>
<td>Mexico</td>
</tr>
<tr>
<td>698</td>
<td>Long-Term Excretion of Brucella abortus, Strain B19 in Milk and Urine by Vaccinated Adult Female Bovines</td>
<td>M. Genovez, W. Pacheco, C. Pozzi, L. Paulin, M. Gamberini, S. Azevedo</td>
<td>Brazil</td>
</tr>
<tr>
<td>703</td>
<td>Previously Described BPV Types and Putative New Types in Cutaneous Papillomatosis from Brazilian Cattle Herds</td>
<td>M. Claus, M. Lunardi, A. Alfieri</td>
<td>Brazil</td>
</tr>
<tr>
<td>705</td>
<td>Botulism in Cattle: how the Laboratory can Help in Diagnosing the Disease</td>
<td>F. Gessler, H. Boehnel</td>
<td>Germany</td>
</tr>
<tr>
<td>706</td>
<td>Application of the MTT Assay for Titration of Cytopathic Bovine Viruses</td>
<td>A. Simsek, O. Bulut</td>
<td>Turkey</td>
</tr>
<tr>
<td>708</td>
<td>In vitro Evaluation of Different Antibiotic Combinations used for Treatment of Pasteurellaceae from Bovine Respiratory Disease (BRD)</td>
<td>J. Ganiere', L. Denuault', O. Bidaud, J. Swinkels, F. Payot</td>
<td>France, The Netherlands</td>
</tr>
<tr>
<td>709</td>
<td>Susceptibility of Pasteurellaceae and A. pyogenes to Antibiotics Frequently Used in Treatment of Bovine Respiratory Disease (BRD)</td>
<td>F. Payot, J. Swinkels, M. Bonnier</td>
<td>France, The Netherlands</td>
</tr>
<tr>
<td>710</td>
<td>Comparative Analysis of Immune Responses in Cattle Vaccinated with Brucella RB51, Rev. 1 and S19 Vaccines</td>
<td>M. Aldubaib</td>
<td>Saudi Arabia</td>
</tr>
<tr>
<td>711</td>
<td>Granulomatous Meningoencephalitis Caused by Mycobacterium bovis in a Calf</td>
<td>C. del Fava, E. Roxo, E. Cunha, A. Cabral</td>
<td>Brazil</td>
</tr>
<tr>
<td>712</td>
<td>A Study on Diagnosis, Pathogenesis of Pseudomonas aeruginosa Isolated from Different Cases of Human and Animals in Mosul City – Iraq</td>
<td>D. Ali, B. Ismaeel</td>
<td>Iraq</td>
</tr>
<tr>
<td>714</td>
<td>Effect of Cow Vaccination against BRSV and PI3 on Immune Status ante Partum and the Transfer of Colostral Antibodies to Calves</td>
<td>B. Makoschey, R. Brunner, M. Koenig, C. Gumpert, H. Heckert</td>
<td>The Netherlands, Germany</td>
</tr>
<tr>
<td>715</td>
<td>Detection of Prevalence of Rotaviral and Corona Viral Diarrhea in Newborn Calves</td>
<td>B. Shojaei, F. Hemmatzadeh, H. Mottaz, M. Ahmadi Bozorg, B. Khoramian, M. Esilpour</td>
<td>Iran</td>
</tr>
<tr>
<td>716</td>
<td>Seroepidemiological Study of BVD, IBR, RSV and PI3 in Morocco</td>
<td>Z. Zouagui, S. Alalí, A. Aiyar</td>
<td>Morocco</td>
</tr>
<tr>
<td>Session No.</td>
<td>Title (Including Authors and Country)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>717</td>
<td>Polimerase Chain Reaction Standardization for Semen, Urine and Organs of Rams Experimentally Inoculated with B. ovis (C. Nozaki, N. Lira, J. Megid, Brazil)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>719</td>
<td>Seroprevalence of Six Serovars of Leptospira in Human and Bovine from Toca, Boyacá (Colombia) (J. López, M. Pulido, R. Andrade, A. Caycedo, Colombia)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>721</td>
<td>Outbreak of Acute BVD in Brazilian Beef Cattle: Clinicopathological Findings and Molecular Characterization of a BVDV Strain Subtype 1b (M. Lunardi, S. Headley, J. Lisboa, R. Otonel, A. Alfieri, A. Alfieri, Brazil)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>722</td>
<td>Winter Dysentery by Bovine Coronavirus Infection in a Tropical Country (E. Takiuchi, A. Barry, D. Stipp, R. Otonel, A. Alfieri, A. Alfieri, Brazil)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>723</td>
<td>Frequency of BCoV in Neonatal Calf Diarrhea of Brazilian Herds (D. Stipp, A. Barry, E. Takiuchi, R. Otonel, A. Alfieri, A. Alfieri, Brazil)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>724</td>
<td>Assessment of BoHV-5 A663 Growth Kinetic and Comparison with BoHV Reference Strains (M. Ladelfa, F. Kotsias, M. Del Medico Zajac, S. Romera, Argentina)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>725</td>
<td>A BoHV-1 gE Gene Deleted Live Vaccine is not Excreted and does not Establish a Latent Infection in Trigeminal Ganglia after Infection in Calves (F. Kotsias, M. Del Médico Zajac, M. Ladelfa, S. Romera, Argentina)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>726</td>
<td>Serological Survey of Coxiella burnetii Infection in Herds of Calatanissetta District (A. Stancanelli, D. Márc, C. Di Belli, A. Torina, S. Agnello, Italy)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>727</td>
<td>Apparent Prevalence of Antibodies to Coxiella burnetii (Q Fever) in Bulk Tank Milk of Dairy Herds in the Walloon Region of Belgium (G. Czaplicki, J. Houtain, C. Moretta, C. Saegerman, Belgium, France)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>728</td>
<td>Identification of Bovine Viral Diarrhoea Virus Mimotopes/Epitopes through Selection from a Peptide 12-mer Phage Display Library (A. Zamiri, M. Ostrowski, N. Pendsi, O. Lopez, A. Bratansich, S. Romera, Argentina, France, United States)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>729</td>
<td>Amplification of Inv Gene of Salmonellae Serotypes by Polymerase Chain Reaction (PCR) as a Specific Method of Detection of Salmonellae (T. Zahraei Salehi, M. Mahzoniieh, A. Ashrafi, Iran)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>730</td>
<td>Toxoplasmosis in a Commercial Dairy Farm in Turkey (S. Gazyagci, C. Babur, S. Kilic, B. Celebi, A. Gazyagci, B. Yagci, Turkey)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>731</td>
<td>Detection and Investigation on the within-farm Transmission of Bovine Herpesvirus-1 in Farms Located in the Trace District of Turkey (A. Unver, N. Turan, H. Yilmaz, Turkey)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>732</td>
<td>Outbreak of Foot-and-Mouth Disease with High Fatality Rate in Young Lambs in Tabriz – Iran (G. Noursaadat, M. Toloofi, F. Rezazaadeh, Iran)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>733</td>
<td>Macroscopic and Microscopic Studies on Pathological Lesions of Deleted Ovine Livers in Kermanshah Slaughterhouse (A. Bahiraie, M. Pouyanmehr, M. Razmju, Iran)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>736</td>
<td>Antibacterial Activity of Aqueous Methanol Extracts of Zingiber officianale, Curcuma Longa, Vernonia anthelmintica, Acacia nilotica and Melia azedarach as a Specific Method of Detection of Salmonellae (Z. Abbas, M. Aslam, M. Arshad, Z. Iqba, M. Ashraf, Pakistan)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Sheep

737 A Survey on Prevalence, Species and Pathologic Lesions of Ostertagia among Slaughtered Sheep in Shahrekord Region (South Western of Iran)
H. Azizi, H. Nourani, C. Taghadosi, A. Fatehi (Iran)

738 A Case of Zoonosis Ecthyma
A. Sagkan Ozturk, H. Tol, I. Sen (Turkey)

739 Effect of Weaning Age on Feedlot Performance of Farahani Male Lambs
K. Karkoodi, R. Azizi (Iran)

740 Effectiveness of Oestrus Induction Treatments in Sarda Breed Lambs during Non-breeding Season
M. Ferrari1,2, G. Catone1, M. Baroni1, P. Petralia1, S. Chiodzi1, B. Castellucci1, L. Ferrari2, A. Malfatti1 (Italy, Brazil)

741 A Case Report of Sporadic 10 Ovine Menigoencephalitis in a Herd in Sao Paulo State, Brazil

742 Retrospective Study: does Vaccination against Footrot Improve Reproduction Performances in Ewes?
C. Marcercou, B. Bolkelaerts, C. Baricalla, N. Kirschvink (Belgium)

743 A Study of Blood and Liver Vitamin A and Beta Carotene in Ghezel Sheep in Tabriz
G. Moghaddam, A. Hassanpour (Iran)

744 Effect of Pleurotus Florida on Nutritive Value of Date Palm Dry Leaf
A. M. Kabirifard, H. Fazaeli, F. Kafilzadeh, M. Dashtizadeh (Iran)

745 Fattening Performance, Carcass Traits and some Meat Quality at Different Slaughter Weights of Bafra Lambs
A. Yakan, N. Unal (Turkey)

746 Milk Yield and Milking Traits Measured with Different Methods in Bafra Sheep
N. Unal, H. Akcapinar, F. Atasoy, A. Yakan, M. Ugurlu (Turkey)

747 Effect of Dietary Supplementation of Tinospora cordifolia on Metabolic Profile, Antioxidant Status and Immune Response in Lambs under Semi-Intensive System
D. Nagalakshmi, K. Dhanalakshmi (India)

748 Effect of Different Levels of Barley Grain, Wheat Straw and Length of Fattening Period on Carcass Characteristics of Native Lambs of Boushehr
M. H. Sadeghi, A. Kabirifard, A. Kamalzadeh (Iran)

749 Selenium, Vitamin E and Vitamin A Levels in Sheep with and without Clinical Mastitis
N. Giadinis1, N. Panousis1, E. Petridou1, V. Siarkou1, S. Lafi2, K. Pourliotis1, E. Hatzopoulou1 (Greece, Jordan)

750 Occurrence of Maedi-Visna in Sheep in Araçatuba Region SP – Brazil
L. Mendes, A. Lombardi, H. Paulo, A. Nogueira, F. Feres, R. Castro, F. Feitosa, F. Cadioli, J. Peiró, V. Lima (Brazil)

751 Auto Selection Effects on Population Parameters without Artificial Selection
M. Shirali, A. Nejati-Javaremy, H. Mehrbani-Yeganeh (Iran)

752 Evaluation of Somatic Cell Counts (SCC) for the Diagnosis of Mammary Infection in Lacaune Sheep
V. Gomes, M. Blagitz, K. Madureira, A. Gomes, A. Della Libera (Brazil)

753 Control of Eimeria spp Natural Infections in Santa Ins Lambs Reared under Semi-intensive Exploitation Condition in Brazil by Treatment with Toltrazuril
T. Silva, E. J. Facury Filho, P. M. Ferreira, A. U. Carvalho, A. Nunes, F. H. Albuquerque (Brazil)

754 Dynamics of Eimeria spp Natural Infections in Santa Ins Lambs Reared under Semi-intensive Exploitation Condition at the North of Minas Gerais State, Brazil
T. Síva, E. J. Facury Filho, A. U. Carvalho, P. M. Ferreira, F. H. Rodrigues, A. Nunes (Brazil)

755 Study of Pulmonary Adenomatosis in Sheep in West Azarbyjan
G. Moghaddam, J. Ashrafi Helan, A. Nematollahi (Iran)

756 Impact of Bluetongue Virus Serotype 8 on Anti-VP7 Antibody Levels in Serum and Colostrum of Ewes and in Suckling Lambs
A. Lamerant, B. Bolkelaerts, C. Baricalla, N. Kirschvink (Belgium)
757  A Serologic Study of Toxoplasmosis Abortion in Sheep in Mashhad Area, Iran  
G. R. Razmi, K. Ghezi, A. Mahooti, Z. Nasiri (Iran)

758  Experimental Panicum Miliaceum Poisoning in Sheep  
K. Badiei, K. Mostaghni, M. Ghane, A. Momeni (Iran)

759  In Vitro Maturation of Sheep Oocytes in Different Concentrations of Mare Serum  
M. Khodaei Motlagh, A. Zare Shahnem, M. Daliri, H. Kohram, F. Gharagoozloo, M. Moradi Shahrababak, A. Shirazi (Iran)

760  Evaluation of Decoquinate Influence on Fast Growing Young Awassi lambs: Field Trial  
H. Leibovich, A. Ben Zeev, A. Richard (France)

761  Pestiviral Infections in Sheep in Sao Paulo State, Brazil  
E. Pituco, C. Ribeiro, E. de Stefano, N. Galleti, M. Oliveira, A. Nogueira (Brazil)

762  Determination of Myocardial Degeneration due to White Muscle Disease in Lambs by Qualitative Cardiac Troponin Kits  
V. Gunes, K. Ozcan, M. Citil, A. Onmaz, H. Erdogan (Turkey)

763  The Effect of Oxendazole + Oxyclozanide Paste and Tablet Formulations on Parasite Burden and Metabolic Status of Sheep  
V. Gunes, A. Inci, F. Uyanik, A. Yildirim, N. Altug, M. Eren, A. Onmaz, C. Gelfert (Turkey, Austria)

764  Brucella ovis in Semen and Urine of Experimentally Infected Rams: Correlation with the Serological Test and Potential as a Source of Infection  
C. Nozaki, H. Azevedo, N. Lira, L. Rodello, O. Augusto Filho, S. Bicudo, J. Megid (Brazil)

765  Late Abortions in a Group of Housed Sheep Associated with Hypovitaminosis A  
G. Bellis, J. L. Mercer, F. Crespeau, Y. Milleman, R. Maillard (France)

766  Effect of Feeding Frequency on Non-Carcass Components and Wholesale Cuts of Iranian Fat-Tailed Lambs  
M. Ganjkhanlou, A. Zali (Iran)

767  Effect of Zinc from Zinc Sulfate on Esse’s Weight, Milk Yield, Zn Concentrations in Serum and Serum Alkaline Phosphates Activity of Varamini Ewes  
A. Zali, H. Amanlou, A. Nik khah, A. Ahmad, K. Rezayazdi, M. Ganjkhanlou (Iran)

768  Microscopic Comparison among different Treatments Effects for Second Intention Skin Healing in Sheeps  

769  Echodopplercardiographic Evaluation in Santa Ins Sheeps  
J. E. Barroso, M. Mendes, C. E. Silva, R. Godoy, J. R. Borges (Brazil)

770  Aspects Regarding Maedi Visna Diseases Incidence and Prevalence in Covasna County  
R. Popescu, C. Horhogea, B. Siko (Romania)

771  Effect of Intracervical Infusion of Prostaglandin F2α and Prostaglandin E2 on Dilation of Cervix in Ewes with Ringwomb  
M. Eslampour, P. Tajik, S. Bokaie, H. Moaddab, A. Moghiseh, B. Khoramian, S. Rafia, E. Banihasan (Iran)

772  Influence of Reduced Dietary Crude Protein Level on Performance of Dairy Cows under Heat Stress  
A. Asadi, G. Ghorbani (Iran)

773  Detection of Abortifacient Bacteria in Fetal Abomasum Contents by Polymerase Chain Reaction  
B. Sareyyüppöglü, S. Deker, S. Güngördü, Z. Canteken, R. Jahed, Z. Ihan (Turkey)

774  Vitamin A and Beta-Carotene Concentrations in Serum and Liver of Ghezel Sheep in Tabriz Area  
G. Afshari, A. Hasanpoor, H. Haghpanah, B. Amoughli-Tabrizi, N. Alidadi (Iran)

775  Preventive Medicine and Health Problems in Chios Breed Flocks of Sheep  
A. Gelasakis, G. Valergakis, G. Arsenos, P. Fortomaris, G. Banos (Greece)

776  Effect of Supplemented Fish Oil, Safflower Oil and Monensin on Lactation Performance in Ewe  
F. Mizraei, A. Towhid, M. Rezaeiyan, A. Nik-Khah, H. Sereshti (Iran)

777  Alpha-synuclein Accumulates in the Brain of Scrapie-affected Sheep and Goats  
K. Adjou, S. Allix, S. Backer, M. J. Cornuols, C. Couquet, J. P. Deslys, H. Brugere, J. Brugere-Picoux, K. El Hachimi (France)
778 Characterization of a highly Pathogenic Isolate of Sheep Scrapie in Transgenic Mice Overexpressing Murine PrP

779 Orchitis and Epididymitis in Ovine Caused by Histophilus somni
I. Enriquez, V. Tenorio, F. Morales, E. Diaz, S. Nieto, F. Aguilar (Mexico)

780 Importance of Percentage Participation by Insume in Total Production Cost to Sheep Production
G. Gil, A. Alonso, V. Espinosa, F. Alonso (Mexico)

781 Evaluation of Three Antigens for Diagnostic of Brucella ovis by Elisa
I. Tuxpan, L. Hernandez, J. Acosta, L. Ontiveros, J. Martinez (Mexico)

782 Experimental Infection of Ovines with Histophilus somni Isolations from Several Sources
E. Diaz-Aparicio, F. Aguilar, B. Arellano, I. Enriquez, V. Tenorio (Mexico)

783 Umbilical Cord Healing: Comparative Study of Use of Chlorhexidine, Iodine and Picric Acid/ Dichlorvos/Phenol Solutions in Sheep
L. Mendes, A. Lombardi, F. Feres, J. Peiro, F. Feitosa, F. Cadioli, R. Lataro, S. Perri (Brazil)

784 Comparative Pharmacokinetic Profiles of Moxidectin in Sheep Following Administration of a Conventional or Long-Acting Injectable Moxidectin Formulation
R. De Lay, F. Blond, E. Lacooste, F. Bassissi, D. Rock (United States, France)

785 Effects of LH Administration at End of the FSH Superovulatory Regimen on Ovulatory Period in Santa In’s Sheep
M. E. Oliveira, W. R. Vicente, D. Costa, M. Cordeiro, R. Ferreira, S. Souza, L. F. Rodrigues (Brazil)

786 Diagnostics of Toxoplasma gondii by PCR in Sheep of Flocks from Eastern Slovakia
L. Luptakova, P. Balent, A. Valencakova, M. Huska, E. Petrovova (Slovakia)

787 Relationship between Physical Exam of the Mammary Gland and Cellularity of Milk in Santa In’s Sheep
M. Blagitz, V. Gomes, N. Benites, P. Melville, M. Azedo, C. Batista, A. Della Libera (Brazil)

788 Effect of Selenium and Vitamin E on Chronic Mastitis and Reproduction Activities in Iranian Baloochi Fat Tailed Ewe
M. Forghani, F. Amir Saifaldini, A. Esmailizadeh Koshkoieh (Iran)

789 Effect of Bluetongue Virus Infection on the White Blood Cell Subsets of Sheep
P. Bonelli, P. Nicolussi, M. Canalis, R. Re, G. Pilo, P. Colorito, G. Carboni, E. Marongiu, G. Savini (Italy)

790 Effect of Breed and Type of Pregnancy over the Weight and the Erythrogram of Lambs, from Birth until the Post Weaning Period
M. Caribe Ayres, S. M. Gama, R. Chaves Filho, J. Rocha, A. Macedo, A. Oliveira Júnior (Brazil)

791 Relationship between the Mammary Gland Physical Exam of Santa In’s Sheep and their Chemistry Composition Milk Created in Sao Paulo State – Brazil
M. Blagitz, V. Gomes, N. Benites, P. Melville, M. Azedo, C. Strigac, C. Batista, A. Della Libera (Brazil)

792 Study of Artificial Neural Network Ability in Genetic Prediction of Ram Sexual Trait with Use Phenotypic Trait
P. Hossein-Nia, A. A. Qotbi, S. Ghovvati, H. Khazanehei (Iran)

793 Effects of Maintenance Feeding on Digestible Organic Matter and Energy Requirements and Amino Acid Nitrogen Availability in Sheep
A. Kamalzadeh (Iran)

794 Serum Haptoglobin and Fibrinogen Levels along the Pregnancy and Post-partum of Ewes
B. Bastos, C. Caribe Ayres, U. Burghgrave, A. Ferreira, T. Pires, A. Gusman, J. Guimaraes (Brazil)

795 Reflux of Duodenal Bile Acids and Abomasal Ulcerations in Experimental Abomasal Displacement in Sheep
A. Hadjimoammadi, K. Mostaghni, K. Badiei (Iran)

796 Ovarian Morphometry and Plasmatic Progesteron Concentrations in Crossbreed Sheep
G. Pavo, E. Obà, C. Monteiro, D. Montechiesi, T. Oliveira, R. Bittencourt, J. Siqueira (Brazil)

797 Ovine Toll Like Receptor 7: the whole Protein Coding Region Analysis
I. Mikula, M. Bhide, R. Mucha, L. Kisova, M. Novak, I. Mikula (Slovakia)

798 Drug Interaction of Succinylcholine and Ivermectin in Sheep
A. Raayat Jahromi, N. Vesal, S. Nazifi (Iran)
<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Sheep / Goat</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Poster Session</strong></td>
<td><strong>Sheep / Goat</strong></td>
</tr>
</tbody>
</table>
| 799 | **Scrapie in Minas Gerais, Brazil: First Report of a Case**  
A. Vasconcelos, K. Meça, E. Facury Filho, D. Driemeier, C. Barros (Brazil) |
| 800 | **Effect of Feeding NATUZYM (TM) (A Multi Enzyme Complex) on Plasma Glucose Level and Blood Urea Nitrogen Concentration in Sheep**  
H. Baghershah, K. Rezayazdi, M. Dehghban-Banadaky, A. Zali, M. Khansefid (Iran) |
| 801 | **Effect of Feeding NATUZYM (TM) (A Multi Enzyme Complex) on Ruminal pH Level and Ammonia Nitrogen Concentration in Sheep**  
H. Baghershah, K. Rezayazdi, M. Dehghban-Banadaky, A. Zali, M. Khansefid (Iran) |
| 802 | **Effects of DFM on Rumen Fermentation in Iranian Sheep**  
H. Khazaneheih, K. Rezayazdi, A. Nikkhah, M. Riazaabas, H. Khalilvand, N. Vahdani, P. Hossein-Nia, S. Ghovvati (Iran) |
| 803 | **Effect of Season and Photoperiod on the Time of First Postpartum Ovulation in Awassi Ewes**  
V. Faigl, M. Keresztes, A. Márton, H. Fébel, M. Kulcsár, S. Cseh, L. Solti, Gy. Huszenicza (Hungary) |
| 804 | **Concurrent Peste des Petits Ruminants Virus and Pestivirus Infection in Stillborn Twin Lambs**  
O. Kul, N. Kabakci, A. Ozkul, H. Kalender, H. Atmaca (Turkey) |
| 805 | **Researches Regarding the Industrial Mating Effect between Texel Rams and the Principal Sheep Breeds from Romania**  
C. Pascal, M. Ivancia, I. Gilca (Romania) |
| 806 | **The Influences of Season and Reproductive Activity on Circulating Leptin Values in Ewes**  
N. Ćebulj-Kadunc, K. Ašenberger, V. Cestnik (Slovenia) |
| 807 | **Some Physiological Responses of Sheep under Upper Egypt Conditions**  
M. El-Fata, A. El-Ìërady (Egypt) |
| 809 | **Influence of Age, Season and Physiological State on Goat Mineral Metabolism**  
M. Toufik, H. Nadia, M. Bakir, B. Mabrouk (Algeria) |
| 810 | **Metabolic Parameters of Dairy Goats Submitted to Artificial Bioclimatic Conditions Similar to the Eastern Amazon Region**  
R. Pinho, J. Guimares, J. Ribeiro Filho, L. Martins, E. Castilho, M. Borges, F. Santos, E. da Silva (Brazil) |
| 811 | **CAE Virus Detection by PCR on Milk Samples**  
| 812 | **Caprine Arthritis Encephalitis Virus Detection by PCR on Tissue Samples**  
| 813 | **Mercury Poisoning in Goats**  
I. Maksymovych¹, V. Vížlo¹, J. Nicpór², M. Jankowski³ (¹Ukraine, ²Poland) |
| 814 | **Relationship between Some Blood Parameters and Carcass Composition in Native Kid Goats of Boushehr Province (Iran)**  
M. Dashtizadeh, M. J. Zamiri, A. A. Kamali, A. M. Kabirifard (Iran) |
| 815 | **Changes in Estrogen and Progesterone Concentration in Blood Plasma of Merghoz Goats during Natural Breeding Season**  
M. Souri, A. Moghadam, J. Talebi, R. Mirmahmoodi (Iran) |
| 816 | **Comparison of Efficiency of Few Methods of Estrus Induction in Out of Season Goats**  
M. Dzieciol, R. Kozdrowski, J. Twardon (Poland) |
| 817 | **The Influence of the Hierarchical Structure of Herd, on the Answer of Estrus Induction in Anoestrus Goats**  
M. Dzieciol, R. Kozdrowski, J. Twardon (Poland) |
| 818 | **Cerebral Coenurosis in a Goat: Case Report and Literature Review**  
H. Nourani, K. Pirali Kheirabadi (Iran) |
| 819 | **Comparison of Concentration of Selenium and Glutathione Peroxidase Activity in Whole Blood of Goats and their Newborn Kids**  
L. Misurova, L. Pavlata, A. Pechova, R. Dvorak (Czech Republic) |
| 820 | **Influence of Breed in the Chemical Composition of the Milk of Healthy Goats**  
K. Madureira, V. Gomes, M. Blagitz, A. Gomes, W. Araujo (Brazil) |
<table>
<thead>
<tr>
<th>Poster Session</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Goat / Buffaloes</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>821</td>
<td>Influence of Breed in the Cell Counts of the Milk of Healthy Goats</td>
<td>K. Madureira, V. Gomes, M. Blagitz, A. Gomes, W. Araújo (Brazil)</td>
</tr>
<tr>
<td>822</td>
<td>Cryptococcal Meningitis in a Male Goat</td>
<td>G. Štíhlová, H. Pissarra (Portugal)</td>
</tr>
<tr>
<td>823</td>
<td>Periparturition Dynamics of Serum Protein Levels in Goats</td>
<td>L. Janku, L. Missurová, J. Filipěk, A. Pechová, R. Dvorák, L. Pavlata (Czech Republic)</td>
</tr>
<tr>
<td>824</td>
<td>Supplementing Goats in Semi-arid Conditions with Maize during the Last 12 Days of Pregnancy Improves the Ability of New-born Kids to Recognize their Mother</td>
<td>H. Hernández, S. Ramírez, J. Flores, P. Poindron, A. Terrazas, J. Delgadillo (Mexico) France</td>
</tr>
<tr>
<td>825</td>
<td>Effect of Heating on Enzyme and Mineral Levels in Goat Milk within 30 day Postparturbation</td>
<td>P. Baroza, C. Franciosi, C. Nogueira, J. Fagliari (Brazil)</td>
</tr>
<tr>
<td>826</td>
<td>Concentrations of Progesterone, Estradiol-17β and Insulin like Growth Factor-1 in Baladi Goats after Recombinant Bovine Somatotropin (rbST) Administration</td>
<td>K. El-Battawy (Egypt)</td>
</tr>
<tr>
<td>827</td>
<td>Stimulation of Oestrous Activity of Female Goats Exposed to Long Days Treated Sexually Active Males in Different Months of Seasonal Anoestrous</td>
<td>J. Flores, E. Carrillo, F. Veliz, H. Hernandez, J. Delgadillo (Mexico)</td>
</tr>
<tr>
<td>828</td>
<td>Exposure to Artificial Long Days during Winter Increases Milk Production in Saanen Goats from Subtropics</td>
<td>F. Veliz, J. Flores, J. Elizundia, H. Hernandez (Mexico)</td>
</tr>
<tr>
<td>830</td>
<td>Viability, Motility and ATP Levels in Fresh and Frozen Sarda Buck Spermatozoa during Breeding Season</td>
<td>M. Madeddu, V. Pasciu, A. Spezzigu, S. Succu, V. Satta, F. Berlinguer, G. Leoni, N. Taitana (Italy)</td>
</tr>
<tr>
<td>831</td>
<td>Study on the Effect of Chronic Fluorosis on the Shape and Function of the Erythrocyte in Goat</td>
<td>S. Li, J. L. Li, S. W. Xu (China)</td>
</tr>
<tr>
<td>832</td>
<td>Estimation of Genetic Parameters for Body Weight Traits of the Markhoz Breed of Goats</td>
<td>M. Zandi, M. Moradi Shahrbabak, S. Miraei Ashtiani, A. Rashidi, H. Bahmani (Iran)</td>
</tr>
</tbody>
</table>

### Buffaloes 833-843

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>833</td>
<td>Assessment of Ovsynch CIDR Protocols on Pregnancy Rate of North Iranian Buffaloes in Low Breeding Season (Miankale Peninsula)</td>
<td>B. Ekrami, S. Kordjazy, J. Rahmani, H. Ghasemzade Nava, P. Tajik (Iran)</td>
</tr>
<tr>
<td>834</td>
<td>Isolation of Lactobacillus from the Vagina of Buffalo-cows and its in vitro Probiotic Activity</td>
<td>S. Abd El-Moez, W. Ahmed, J. El Jakee, F. El Seedy (Egypt)</td>
</tr>
<tr>
<td>835</td>
<td>Efficacy of Toltrazuril (Baycox Bovis) and Diclazuril (Vecoxan) in the Control of Subclinical Coccidiosis in Buffalo Calves</td>
<td>M. Diaferia, F. Veronesi, G. Severi, D. Lulla, L. Nisoli, P. Piergili Fioretti (Italy)</td>
</tr>
<tr>
<td>836</td>
<td>Biochemical Characterization of Follicular Fluid in Buffalo (Bubalus Bubalis)</td>
<td>S. Mondal, R. Das, A. Minj, V. Varshney (India)</td>
</tr>
<tr>
<td>837</td>
<td>Evaluation of Different Milking Vacuum Levels on Teat Skin Temperature in Dairy Buffaloes by Infrared Thermography</td>
<td>M. Morgante, M. Gatto, L. Murgia, M. Caria, C. Stelletta, A. Pazza (Italy)</td>
</tr>
<tr>
<td>838</td>
<td>Serum Levels of Gamma Glutamyl Transferase (GGT) and Aspartate Aminotransferase (AST) in Murrah Buffaloes</td>
<td>V. Gomes, K. Madureira, K. Leonel, M. Blagitz, S. Kitamura, A. Gomes, F. Benesi (Brazil)</td>
</tr>
<tr>
<td>839</td>
<td>Total Protein, Albumin and Globulin Serum Concentrations in Murrah Buffaloes. Reference Values and Influence of Age</td>
<td>V. Gomes, K. Madureira, K. Leonel, M. Silva, M. Blagitz, A. Gomes, S. Kitamura, F. Benesi (Brazil)</td>
</tr>
<tr>
<td>840</td>
<td>A Survey on some Bacteriological and Pathological Aspects of Buffalo Liver Abscesses</td>
<td>A. Ghadrdan-Mashhadi, M. Jamshidian, K. Gheyser-Beigi (Iran)</td>
</tr>
</tbody>
</table>
**Poster Session**

**Buffaloes / Camelids**

841  **The Anatomy of Buffaloes’ Cardiac Veins**  
H. A. Karimi, Č. H. Ardalanı, A. H. Zadeh Kokia  
(Iran)

842  **Plasma Concentrations of Testosterone and Androsteneioda in Male Buffaloes (Bubalus Bubalis) Originated from Tropical Regions**  
J. Siqueira, E. Oba, R. Bittencourt, L. Leal  
(Brazil)

843  **Bovine Herpesvirus 1 Related Infection in Buffaloes (Bubalus Bubalis): Serological Detection by Using Two Different BOHV-1 Blocking ELISA**  
A. Romero Tejeda, J. Thiry, S. Prezíuso, E. Thiry, V. Cuteri  
(Belgium, Italy)

---

**Camelids**

844  **Anatomical Study of Stifle Joint in Iranian Camel (Camelus Dromedarius)**  
M. Yousefi  
(Iran)

845  **The Influence of Age, Sex and Altitude on the Morphometry of Red Blood Cells of the Dromadary Camel**  
M. Melizi, N. Adili  
(Algeria)

846  **A Survey on Frequency of Nephrolithiasis in Camelus Dromedarius and Determination of Calculi Composition in Najafabad Abattoir**  
M. Pourjafar, A. Ansarian  
(Iran)

847  **Llama Anesthesia for Orthopedic Surgery**  
(Brazil)

848  **Treatment of Long Bone Fractures in Llamas: Study of Two Cases**  
(Brazil)

849  **Camel Pox in Saudi Arabia: Retrospective Study**  
T. Fouda, A. Bakhsh  
(Saudi Arabia)

850  **Study of the Urethral Glands Presence in Distal Extremity of Penis in One Humped Camel (Camelus Dromedarius)**  
M. Yousefi, H. Gilanpour, P. Tajik  
(Iran)

851  **Camel Anesthesia for Orthopedic Procedure**  
(Brazil)
Metacam® – lasting efficacy

- outlasts inflammation
- restores well being
- protects productivity
Reproduction and Biotechnology

852 Identification of Bovine Urinary Chemo-signals: an Innovative Tool for Reproductive Management
M. Patra, H. Kumar, S. Meur, M. Yadav, S. Mahmood, A. Tomar (India)

853 The Effect of Season and Parity on Heat-synch Program in Dairy Cows
M. Bolourchi, R. Emadi, A. Niasari-Naslaji, P. Hovareshti (Iran)

854 Determination of PAG in the Milk and Blood in Cow’s in Comparison to other Examination Methods for Pregnancy Diagnosis
Z. Gajewski1, N. Melo de Sousa2, A. A. Konopka1, J. F. Beckers3 (1Poland, 2Belgium, 3Switzerland

855 Efficiency of Different Cloprostenol Doses in the Postpartum Period of Zebu (Bos Taurus Indicus) Beef Cows
C. Fernandes, B. Alves, E. Oliveira, J. Viana, A. Figueiredo, M. Gioso, E. Oba (Brazil)

856 Effectiveness of Short-term Progestagen, GnRH and Cefiofur for Treating Mild Clinical Endometritis in Lactating Dairy Cow with Low Plasma Progesterone Concentrations
B. Salasel, M. Bolourchi, P. Hovareshti, N. Niasari, A. Gerami (Iran)

857 Use of Florfenicol Associated or not to Cloprostenol in Puerperal Disturbances in Dairy Cows
C. Fernandes, A. Figueiredo, B. Alves, E. Oliveira, J. Viana, M. Gioso (Brazil)

858 Enzymal Content Study (Acid Phosphatase, Alkaline Phosphatase, Lactate Dehydrogenase & Amylase) of the Ovarian Follicular Fluids of Iraqi She-Camels during the Year’s Seasons
D. Al-Delemy (Iraq)

859 A Chemical Content Study (Sodium, Potassium, Calcium & Phosphorus) of the Ovarian Follicular Fluids of Iraqi She-Camels during the Year’s Seasons
D. Al-Delemy (Iraq)

860 Lead Toxicity Leads Sperm Dysfunction in Holstein Bulls
M. Arabi (Iran)

861 Relationship between Body Condition Score and Reproductive Performance in Dairy Herds
B. Qasemi-Panahi (Iran)

862 Comparative Efficacy of eCG and hMG on Superovulation in Sanjabi Ewes Out of Breeding Season
H. A. Karami Shabankareh, H. A. Hajarian, M. O. Zandi, M. E. Turky (Iran)

863 First Service Pregnancy Rates Following post AI Use of hCG in Ovsynch and Heatsynch Programmes in Lactating Dairy Cows
H. A. Karami Shabankareh, M. O. Zandi (Iran)

864 Efficiency of Estrus Detection in Bovine Embryo Recipients Synchronised with Cloprostenol
A. Figueiredo, C. Fernandes, B. Alves, E. Oliveira, M. Gioso (Brazil)

865 Interrelation of GH Genotype (AluI Polymorphism) and Time of First Ovulation after Calving in Dairy Cows
O. Balogh1, A. Gáspár1, K. Kovács1, M. Kulcsár1, L. Fést1, W. Butler2, Gy. Huszenicza1 (1Hungary, 2USA)

866 Influence of Heat Shock on the Development of Bovine Embryos in the Early Preimplantation Stage
R. Włodarczyk, U. Szymański, E. Talikowska, P. Antosik, A. Grzanka, J. Jaśkowski (Poland)

867 Effect of Inserting CIDR Device from Day 28 to 35 following AI on Pregnancy Rate in Dairy Cows
N. Shams Esfandabadi, A. Shirazi, P. Mirshokrai, H. Ghasemzadeh Nava (Iran)

868 The Effects of GnRH or CIDR Administration on Pregnancy Rates in Dairy Cows during Summer Heat Stress
G. H. Moradli, A. Moghaddam, M. Hashemi, M. Tymori, M. Kazemi (Iran)

869 Post-thawing Evaluation of Bull Semen Frozen by Various Antioxidants
O. Uysal, N. Bucak, Ö. Yavaş, Ö. Vareşle (Turkey)

870 Morfological Changes and Decapitation of Spermatozoa as Causes of Fertility Disorders in Breeding Males Moufflons
G. Lazar, J. Posivak, I. Valocky, F. Novotny, L. Hornakova (Slovakia)

871 Preliminary Results on Prevalence of Cytological Endometritis in Dairy Herds in North-East Poland
W. Baranski, M. Podhalicz, T. Janowski, S. Zdunczyk, G. Lukaszewicz (Poland)
<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Reproduction and Biotechnology</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>872</strong> Urea in Milk and Nutritional and Reproductive State of Dairy Cows</td>
<td>G. Santos, P. Grande, H. Ribeiro, J. Damasceno, C. Alcalde, O. Barbosa, J. Horst, F. Santos (Brazil)</td>
</tr>
<tr>
<td><strong>873</strong> Hysteroscopic Picture of Postparturient Metritis in Cows</td>
<td>R. Mordak, K. Kubia, M. Jankowski, J. Nicpon (Poland)</td>
</tr>
<tr>
<td><strong>874</strong> Pregnancy Rate in Anestrous Bos Taurus/Bos Indicus Crossbred Cows Given a CIDR Insert and Estradiol, with or without an Injection of Progesterone</td>
<td>C. Lamothe, F. Montiel, R. Cuicas (Mexico)</td>
</tr>
<tr>
<td><strong>875</strong> Ovarian Structures and Ovulation Rate Following GnRH and Progesterone Treatment in Anestrous Bos Indicus Cows</td>
<td>F. Montiel, C. Lamothe, V. Severino (Mexico)</td>
</tr>
<tr>
<td><strong>877</strong> The Influence of the Equilibration Period Concerning the Bulls Sperm Quality</td>
<td>M. Griga, H. Nehring, C. Leiding (Germany)</td>
</tr>
<tr>
<td><strong>878</strong> Sex Determination in Cattle and Ewes according to Site of Ovulation on Left or Right Ovaries</td>
<td>M. Mohammadsadegh, N. Bigdely, S. Bokaii (Iran)</td>
</tr>
<tr>
<td><strong>879</strong> Detection of Leptospira spp. in Semen and Vaginal Fluids of Goats and Sheep by Polymerase Chain Reaction</td>
<td>W. Lilienbaum, R. Vargas, F. Brandao, A. Cortez, S. Souza, P. Brandao, L. Richtzenhain, S. Vasconcellos (Brazil)</td>
</tr>
<tr>
<td><strong>880</strong> Use of 3D-Cell Culture of Bovine MEC in Study of the Role of Hormones and Growth Factors in the Formation of Differentiated Acinar Structures</td>
<td>M. Gajewska, M. Koziolowski, P. Jasinski, K. Hajduk, T. Motyl (Poland)</td>
</tr>
<tr>
<td><strong>881</strong> Regulation of Autophagy in Bovine Mammary Epithelial Cells</td>
<td>A. Sobolewska, M. Gajewska, J. Zarzynska, B. Gajkowska, T. Motyl (Poland)</td>
</tr>
<tr>
<td><strong>882</strong> Effects of Serum Calcium and Inorganic Phosphorus Levels during Transition Period on Reproductive Performance of Dairy Cows</td>
<td>F. Di Ciommo, E. Parmigiani, E. Bigliardi, G. Morini, F. Righi, F. Di Ianni, L. Ferrari, C. Bresciani, I. Vecchi, A. Di Ciommo (Italy)</td>
</tr>
<tr>
<td><strong>883</strong> Increased Frequency of Stillbirth in a Holstein-Friesian Herd: Birth Process</td>
<td>M. Hoedemaker, Y. Gundelach, K. Essmeyer (Germany)</td>
</tr>
<tr>
<td><strong>884</strong> Increased Frequency of Stillbirth in a Holstein-Friesian Herd: Observations on Calves</td>
<td>M. Hoedemaker, Y. Gundelach, K. Essmeyer (Germany)</td>
</tr>
<tr>
<td><strong>885</strong> Effect of Progesterone-based Treatments after Day 50 Postpartum on Subsequent Estrous Response in High Producing Dairy Cows</td>
<td>J. Yániz1, P. Santolaria1, G. Bech-Sabat1, I. García-Ispierto1, S. Floch2, A. Martino2, F. López-Gatius1 (1Spain, 2France)</td>
</tr>
<tr>
<td><strong>886</strong> Evaluation of Three Protocols for the Treatment of Retained Fetal Membranes in Dairy Cattle</td>
<td>E. Fatouh, B. Seror, F. El Keraby, A. Karen (Egypt)</td>
</tr>
<tr>
<td><strong>887</strong> Seasonal Variations in Kinematic Characteristics of Chios Breed Ram Ejaculates</td>
<td>S. Pipereolis, D. Vafiadis, C. Alexopoulos, C. Boskos (Greece)</td>
</tr>
<tr>
<td><strong>889</strong> Susceptibility of ST, MDBK and BHK Cell Lines to Infection with BoHV-1, bPIV3, BRSV and BVDV-1</td>
<td>R. Jordao, C. Ribeiro, E. de Stefano, C. Del Fava, C. Camargo, E. Pitucio (Brazil)</td>
</tr>
<tr>
<td><strong>890</strong> Effect of Mineral and Vitamin Treatment in Anovulatory Anestrous Dairy Cows</td>
<td>M. Farhoodi, S. Mohamadi (Iran)</td>
</tr>
<tr>
<td><strong>891</strong> Comparison of Pregnancy Rates between Cosynch 64 with Conventional Ovsynch and Heatsynch in Lactating Dairy Cows</td>
<td>M. Eslampour, P. Hovaresh, P. Tajik, S. Bokaie, S. Ahmadpanah, B. Khoramian, D. Nikjoo (Iran)</td>
</tr>
<tr>
<td><strong>892</strong> Efficacy of Amicacine Sulphate on the Control of Ubiquitous Microbiota in Bull Semen at an Artificial Insemination Center</td>
<td>T. Gotti, M. Genovez, C. Horbach, F. Viana, S. Azevedo (Brazil)</td>
</tr>
<tr>
<td>No.</td>
<td>Title</td>
</tr>
<tr>
<td>-----</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>893</td>
<td>Echography Characteristics of Abnormal Ovaries in Infertile Dairy Cows</td>
</tr>
<tr>
<td>895</td>
<td>Efficacy of a Treatment with HCG 4 Days after AI to Reduce Pregnancy Losses in Lactating Dairy Cows after Synchronized Ovulation</td>
</tr>
<tr>
<td>896</td>
<td>The Influence of Inmodulen on PMN and L Activity and Antioxidative Potential in Blood of Cows</td>
</tr>
<tr>
<td>897</td>
<td>Endometrial Changes in Postpartum Period in Cows</td>
</tr>
<tr>
<td>899</td>
<td>Looking for a Needle in a Haystack – Identification of Bovine Mammary Gland Stem Cells</td>
</tr>
<tr>
<td>900</td>
<td>Comparative Pharmacokinetic Study of Progesterone in Cows following Single Administration of Two Intravaginal Devices</td>
</tr>
<tr>
<td>901</td>
<td>A Comparison of the Sexual Behaviour of Holstein-Friesian Cows between Housed and Pasture Environments</td>
</tr>
<tr>
<td>902</td>
<td>The Effect of 2 Commercial GnRH Products at the Same Dose on the Pituitary LH Release in Dairy Cows</td>
</tr>
<tr>
<td>903</td>
<td>Economic Decision for Time of Cystic Ovarian Disease Treatment in Dairy Cows</td>
</tr>
<tr>
<td>904</td>
<td>Dexamethasone-21-Isonicotinat Effects on Phagocytosis and Respiratory Burst Activity in Cows with Systemic Inflammatory Response Syndrome</td>
</tr>
<tr>
<td>905</td>
<td>Comparison of Different Techniques to Evaluate Membrane and Acrosome Integrity of Bovine Cryopreserved Sperm Cells</td>
</tr>
<tr>
<td>906</td>
<td>The Effect of Uterine Biopsy on Reproductive Performance of Dairy Cattle: a Case-Control Study</td>
</tr>
<tr>
<td>907</td>
<td>Effect of the Induction of the Nursing on the Reproductive Parameters in Holstein Cows</td>
</tr>
<tr>
<td>908</td>
<td>Progesterone Monitoring of Ewes before the Onset of the Breeding Season</td>
</tr>
<tr>
<td>909</td>
<td>The effect of “GnRH” and “PGF2α” Treatment at the Time of Artificial Insemination on Conception Rate of Synchronized Dairy Cow</td>
</tr>
<tr>
<td>910</td>
<td>Influence of Plasmatic Membrane Cryoresistence on Post-Thawed Spermatic Motility in Frozen Semen of Santa Ines Rams</td>
</tr>
<tr>
<td>911</td>
<td>Assessment of Vaginal Examination together with Comparison with Rectal Palpation for Diagnosis of Clinical Endometritis in Postpartum Dairy Cows</td>
</tr>
<tr>
<td>912</td>
<td>Effect of Gestational Age on the Possibility and Accuracy of Ultrasonographic Fetal Sex Determination in Dairy Cows</td>
</tr>
<tr>
<td>913</td>
<td>In vitro Cultivation of Anaplasma Marginalae in Two Bovine Endothelial Cell Lines</td>
</tr>
</tbody>
</table>
**Poster Session**

**Reproduction and Biotechnology**

**914 Epidemiological Data of Postpartum Dairy Cows with Acute Metritis**
B. Huyghe¹, C. de Sa¹, P. Cox¹, J. Swinkels² (¹France, ²The Netherlands)

**915 A Field Efficacy Study on the Use of Cobactan 2,5% in Cows for the Treatment of Acute Puerperal Metritis**
E. Niron¹, J. Swinkels² (¹Italy, ²The Netherlands)

**916 Effect of the AI Timing after Estrus Synchronization with Crestar SO8 on the Fertility of Induced Estrus in Charolais Heifers**
D. Grimard¹, C. Ponsart¹, S. Freret¹, F. Delize¹, G. Chambon¹, M. Driancourt¹, R. Fournier¹, M. Ptaszynska², V. Rosso¹ (¹France, ²The Netherlands)

**917 Influence of Number of Inseminations on Pregnancy Rates Achieved at Estrus Induced with Crestar SO8 in Female Charolais Cattle**
C. Ponsart¹, B. Grimard¹, P. Humblot¹, M. Dewaele¹, M. Driancourt¹, R. Fournier¹, M. Ptaszynska², V. Rosso¹ (¹France, ²The Netherlands)

**918 Comparison of Fertility Results with Two Progestin Based Synchronization Methods in French Conditions**
B. Grimard¹, C. Ponsart¹, P. Humblot¹, C. Gipoulou¹, V. Rosso¹, R. Fournier¹, M. Ptaszynska², M. Driancourt¹ (¹France, ²The Netherlands)

**919 Effect of the Type of Semen (Sexed vs. Non-sexed) and Time of AI on Pregnancy Rates in Nelore Cows Inseminated at Fixed Time**
A. Souza, L. Mundim, P. Venturin, H. Ayres, L. Gimenes, J. Sales, C. Martins, P. Baruselli (Brazil)

**920 The First Report of Bovine Amorphus Fetus in a Triplet Pregnancy**
H. Nourani, A. Shirazi (Iran)

**921 Oocyte Production by Ovum Pick up is Influenced by the Paternal Lineage of Donor Cow and Season**
R. Calegari, A. Martins Jr., C. Silva, A. Crespolho (Brazil)

**922 Assessment of Fertility Performance in German Dairy Herds**
E. Leitgeb¹, R. Van Saun² (¹Germany, ²United States)

**923 Production of Bovine Blackleg Vaccine by Fermenter**
R. Pilehchian, M. Moosawi, A. Jabari (Iran)

**924 Study on Production of Reduced Dose Blackleg Concentrated Vaccine**
M. Moosawi, R. Pilehchian, A. Jabari, L. Abdolmohamadi (Iran)

**925 Bovine Embryo Development after in vitro Maturation with Glycine**
C. Silva, A. Martins Jr., R. Calegari (Brazil)

**926 Pathological Study on Genital System of Cows in Ziaran Slaughter House, in Iran**
M. H. Hablolvarid, M. R. Gholami (Iran)

**927 Bovine Embryo Fertility Rates Comparision in Morula and Blastocyst Stage, with the Frozen Embryos Transfer Technique in Field Conditions with a Manual Device**
P. Cano-Celada, J. Avila-Garcia, L. Ocampo-Camperos, J. Valencia-Mendez (Mexico)

**928 Effect of Two Sperm Preservation Methods on Conception Rate after Fixed-time Artificial Insemination**
A. Crespolho, F. Papa, A. Martins Jr., R. Calegari, J. A. Dell’Aqua Jr., C. Silva (Brazil)

**929 Apoptosis and Placental Maturation in Cattle Brucellosis**
A. Vasconcelos, K. Meça, L. Moro, T. Paixão, A. Lage, R. Santos (Brazil)

**930 Determination of Nitrogen-containing Substances in Sperm: the Method of Ion Exchange Liquid Chromatography**
I. Mereuta, G. Boronciuc, P. Pavaluici, G. Postolati, V. Buzan, V. Buzan, A. Mantoptin (Moldova)

**931 Definition of Quality Sperm of the Bulls Frozen with High Effective Environments at Use of Different Technological Modes**
V. Buzan, G. H. Boronciuc, V. Buzan, I. Mereuta (Moldova)

**932 Effect of Lineage of Oocyte Donors on the Efficiency of OPU in Nellore Cows**
A. Martins Jr., R. Calegari, C. Silva, A. Crespolho (Brazil)

**933 Cost Benefit of Ovarian Cysts in Dairy Cows in Iran**
J. Yadi, M. Farhoodi Moghaddam, O. Ataeem Emrulii (Iran)

**934 Effect of Mineral Supplementation Minerals Level in Seminal Plasma of Buffaloes Raised in Amazonia, Brazil**
R. Viana, P. Baruselli, E. Cardoso, C. Araujo, B. Monteiro, W. Vale (Brazil)
### Poster Session

#### Reproduction and Biotechnology / Lameness

<table>
<thead>
<tr>
<th>Poster Number</th>
<th>Title</th>
<th>Authors</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>935</td>
<td>Effects of Seminal Plasma Removal on Spermatozoal Motion and in vitro Embryo Production</td>
<td>J. A. Tanajura Neto, A. Martins Jr., R. Calegari, C. Silva, A. Crespilho</td>
<td>Brazil</td>
</tr>
<tr>
<td>936</td>
<td>Reproduction Traits in Dairy Cows on Elastic or Concrete Flooring</td>
<td>P. Kremer, A. Scholz, S. Nueske, M. Foerster</td>
<td>Germany</td>
</tr>
<tr>
<td>937</td>
<td>Uterine Involution, Commencement of Luteal Activity and Reproductive Performance of Holstein-Friesians in a Grass-based Compared to a Housed Environment</td>
<td>G. Olmos, J. Mee, L. Boyle, A. Hanlon</td>
<td>Ireland</td>
</tr>
<tr>
<td>939</td>
<td>Relationship between Plasma IGF-1 Concentrations during the Early Post-partum Period and Conception Rate in Dairy Cows</td>
<td>C. Lynch, D. Kenny, M. Diskin</td>
<td>Ireland</td>
</tr>
<tr>
<td>940</td>
<td>The Effect of Linseed Based Inert Fat Supplementation on Reproductive and Metabolic Performance in Holstein-Friesian Cows</td>
<td>M. Keresztes, G. Sassi, V. Faigl, M. Kulcsár, H. Fébel, M. Mézes, Gy. Gábor, O. Szenci</td>
<td>Hungary</td>
</tr>
<tr>
<td>941</td>
<td>Results between Two Protocols of Synchronization for Time Insemination with Diagnosis of Active Corpora Lutea by Rectal Palpation in Holstein Cows</td>
<td>C. Leyva, S. Barraza, D. Aguilar, R. Villasenor, J. Morales, M. Mellado</td>
<td>Mexico</td>
</tr>
<tr>
<td>942</td>
<td>Factors Affecting Pregnancy Loss (D 30-60) in Holstein Cows in Central Chile</td>
<td>A. Duchens, P. Apiołaza, R. Melendez</td>
<td>Chile, United States</td>
</tr>
<tr>
<td>943</td>
<td>Low Dose of Estradiol at 200 Days Post-service, Diminishes the Empty Cows to the Diagnosis and It does not Affect the Gestation</td>
<td>S. Barraza, C. Leyva, J. Morales</td>
<td>Mexico</td>
</tr>
<tr>
<td>944</td>
<td>Correlation between the Minerals Levels of Seminal Plasma and Semen Quality of Buffaloes Raised in Amazonia, Brazil</td>
<td>R. Viana, P. Baruselli, E. Cardoso, C. Araujo, B. Monteiro, W. Vale</td>
<td>Brazil</td>
</tr>
<tr>
<td>945</td>
<td>Antibiotic Sensitivity (MIC) of Bacteria Isolated from Puerperal Metritis of Dairy Cows</td>
<td>J. Földi, J. Szablo, B. Huyghe, C. Sa, A. Pécsi, M. Kulesár, P. Cox, J. Swinkels</td>
<td>Hungary, France, The Netherlands</td>
</tr>
<tr>
<td>947</td>
<td>Induction of Ovulation and Shortening of Luteal Phase during Voluntary Waiting Period on Reproductive Performance in Dairy Cows</td>
<td>J. Hajurka, I. Valocky</td>
<td>Slovakia</td>
</tr>
<tr>
<td>948</td>
<td>High Hydrostatic Pressure Treatment of Fresh Bull Semen Increases the Proportion of Cells Surviving the Freezing-thawing Procedure in a Hungarian Holstein Friesian Bull Population</td>
<td>G. Kútvölgyi, A. Horváth, I. Oláh, P. Pálinkás, L. Merész, M. Molnár, Cs. Pribenszky, O. Szenci</td>
<td>Hungary</td>
</tr>
</tbody>
</table>

#### Lameness

<table>
<thead>
<tr>
<th>Poster Number</th>
<th>Title</th>
<th>Authors</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>949</td>
<td>Clinical Evaluation of Oxytetracycline Long Action and Concentration in Milk, Synovial Fluid and Plasma from Dairy Cattle with Papillomatous Digital Dermatitis Submitted to Multiple-dosing</td>
<td>M. Loureiro, E. Nascimento, C. Esteban, C. Anhesini, C. Rodrigues</td>
<td>Brazil</td>
</tr>
<tr>
<td>950</td>
<td>Plasma, Synovial Fluid and Milk Assay of Oxytetracycline from Cows with Papillomatous Digital Dermatitis Treated with Long Action Multiple-dosing and Topical</td>
<td>M. Loureiro, C. Esteban, E. Nascimento, S. Ferri, C. Anhesini, C. Rodrigues</td>
<td>Brazil</td>
</tr>
<tr>
<td>951</td>
<td>Morphologic and Radiographic Study of Distal Sesamoid Bone of Normal Digits in Cattle</td>
<td>M. Tadjalli, A. Meimandi, M. Ghanbarizadeh</td>
<td>Iran</td>
</tr>
<tr>
<td>952</td>
<td>Relationship between Lameness, Udder Health and Milk Yield in Dairy Cattle</td>
<td>M. Feldmann, K. Maier, M. Hoedemaker</td>
<td>Germany</td>
</tr>
<tr>
<td>953</td>
<td>Performance of a Hoof Care Solution – DeLaval Hoofcare DA – Used on Different Farms</td>
<td>X. Goossens, G. Cavalcanti, T. Hemling</td>
<td>Belgium, United States</td>
</tr>
<tr>
<td>954</td>
<td>Dispersion and Grade of Sole Hemorrhages in Subclinical Laminitis in Cattle</td>
<td>M. Rasek, K. Sardari, H. Seifi, A. Raja, M. Mohri, H. Moaddab, H. Mohammadi</td>
<td>Iran</td>
</tr>
</tbody>
</table>
955 Foot Lameness and Major Contributing Lesions in Lactating Cattle and Buffaloes in Ludhiana District of Punjab, India
S. Randhawa, K. Dua, C. Randhawa, P. Dhalwal (India)

956 The Effect of Days in Milk and Parity on Locomotion Score in Dairy Cows
N. Bagheri, A. Badiei, A. Bahonar (Iran)

Surgery, Anaesthesia, Pain Management and Diagnostic Imaging

957 Large Intestine-strangulated Umbilical Hernia in a Male Lamb
S. Dehghani, M. Javdani, A. Raayat Jahromi, S. Mehrshad (Iran)

958 Tibia Bone Fractures Treatment in Sheep with Own Idea Half-circular External Fixator
Z. Adamiaiek, W. Brzeski, M. Nowicki, A. Piórek (Poland)

959 Management of Left Abomasal Displacement in Iraqi Buffalo
M. Al-Áadránry (Iraq)

960 Management of some Bovine Claw Affections by Honey and some Medicinal Plant Extracts
M. Ali (Egypt)

961 Foreign Body Syndrome in Cattle of Rajasthan, India
T. Gahlot, N. Aróra (India)

962 First Field Experiences with the Use of a Monofilament Synthetic Absorbable Suture Material (Monoswift®) for Uterine Surgery
J. Coghe (Belgium)

963 Effects of Mephentermine and Norepinephrine Administration Following Thiopentone Induced Circulatory Insufficiency in Buffaloes
P. Peshin, J. Singh, R. Tyagi, A. Kumar, S. Singh (India)

964 Normal Cross – Section Anatomy of the Bovine Digit: Comparison of Computed Tomography and Limb Anatomy

965 Affections of the Salivary Ducts in Buffaloes
N. Misk, M. Semieka, T. Misk, A. Ahmed (Egypt)

966 Body Surface Cysts in some Farm Animals
N. Misk, T. Misk, M. Semieka, A. Ahmed (Egypt)

967 Predilection Seats of Body Surface Abscesses in Relation to the Way of Infection in some Domestic Animals
N. Misk, M. Semieka, T. Misk (Egypt)

968 Hernias in some Farm Animals
N. Misk, T. Misk, M. Semieka (Egypt)

969 Non-septic Chemical Peritonitis in a Calf
A. Meimandi, A. Raayat Jahromi (Iran)

970 Clinical and Radiographic Evaluation of the Cefquinome Efficiency in the Treatment of Cows with Severely Footrot Associated to Septic Arthritis in Distal Interphalangeal Joint
C. Anhesini, R. Tiveron, A. Silva, R. Vinne, C. Rodrigues (Brazil)

971 Subcutaneous Bursitis in Buffaloes and Cattle
N. Misk, M. Semieka, T. Misk (Egypt)

972 Effect of Caustic Paste Disbudding on Cortisol and Behaviour of Dairy Calves Treated with Regional Anaesthetic
G. Stilwell1, R. Campos de Carvalho1, M. Lima1, D. Broom2 (1Portugal, 2United Kingdom)

973 Plasma Cortisol and Behaviour of Dairy Calves after Regional Anaesthesia with Lidocaine have Subsided
G. Stilwell1, R. Campos de Carvalho1, S. Lima1, M. Broom2 (1Portugal, 2United Kingdom)

974 Evaluation of Efficacy and Safety of Diazepam as a Sedative in Cow Calves
S. Chander, K. Singh, A. Kumar, J. Singh, P. Peshin, S. Singh (India)
Poster Session
Surgery, Anaesthesia, Pain Management / Calf Physiology

975  Surgical Removal of an Intraocular Malignant Melanoma in a Romanian Tsigai Ewe
F. Beteg, A. Muste, N. Mates, L. Oana (Romania)

976  Hemodynamic and Hemogasometric Effects of Subarachnoid Administration of Ropivacaine in
Sheep undergoing Laparotomy
R. Godoy, L. Gouvea, C. Lête, R. Âlmeida, F. H. Ximenés, L. Gontijo, C. Pereira, R. Ferreira II,
J. R. Borges, A. Teixeira Neto (Brazil)

977  Clinical and Radiographic Finding of Lumbar Fracture in a Four Year Old Cow
A. Ghardran-Mashhadi, A. Ghadiri (Iran)

978  Calf Umbilical Disease: Ultrasound Approach. Field Experience
G. Gremmi, C. Maraboli (Italy)

979  General Anesthetic (Propionylpromazine and Yilazine Hydrochloride) Usage in Penis Deviation
Surgery for Marker’s Bulls
F. Hidalgo, Y. Teran (Mexico)

980  Control of Vaginal and Rectal Prolapses by Pneumoperitoneum in Sheep – Cases report
M. I. Ferreira, V. Cheller, L. oliveira, I. Borges, G. Macedo Junior (Brazil)

Practitioners
I. Schlup, M. Wegmüller, M. Stoffel, A. Steiner (Switzerland)

982  Orthopedic Treatment in Ruminants
E. Téllez, I. Castro (Mexico)

983  Comparative Efficacy of Flunixin Meglumine in a Tissue Cage Model of Inflammation
O. Roy1, P. R. Cloet1, E. Bénizeau1, M. Catalá2, A. Weingarten2, C. Maisonneuve2, D. Sweeney2 (1France, 2USA)

984  A Retrospective Study on 157 Cases of Left Displacement of Abomasum (LDA) in Some Dairy
Farms in Iran
P. Adibhashemi, S. Bokaie (Iran)

986  Study of Toxicological Effects of Epidural Neostigmine Methyl Sulfate in the Cow
S. M. Zolhavarieh (Iran)

987  Preanesthetic Butorphanol Improving Analgesia during Laparoscopy for Follicular Aspiration in
Goats
M. Cordeiro, W. Vicente, D. Dias, M. Oliveira, P. Di Filippo (Brazil)

988  Abomasal Impaction due to Sand Ingestion in a Dairy Cow
J. Peiró, F. Feitosa, L. Mendes, F. Cadioli, G. Soares, M. Araújo, P. Teodoro (Brazil)

989  Quantifying Some Causes of Visceral Pain in Cattle
P. Scott (United Kingdom)

990  Intracardial Pressure in Relation to the Venous Pulse and Venous Tension in Healthy and Heart
Compromised Cows
S. Eisenberg, A. de Vos, A. Grootendorst, L. van Leengoed (The Netherlands)

991  Ear Trimming in a Neonate Lamb due to Pyogranulomatosis
A. Raayat Jährön, A. Meimandi Parizi, A. Khodakaram Tafti (Iran)

Calf Physiology, Management and Disease  992-1050

992  Relationship between the Debfee of Dehydration and the Balance of Acid-Base Changes in
Dehydrated Calves with Diarrhoea
H. Guzelbektes, A. Coskun, I. Sen (Turkey)

993  Epidemiology and Identification of Bovine Infectious and Tick-Borne Diseases in White-Tailed
Deer in Northern Mexico
A. Cantu1, J. Ortega1, Z. García1, H. Scott1, J. George1, J. Mosqueda1 (1Mexico, 2United States)

994  Evaluation of Diarrhoea Treatment with Injectable Enrofloxacin (Baytril® 5% Bayer) and Oral
Rehydration Solution (Glutellac® Bayer) in Newborn Lactating Calves
V. Cuteri, L. Nisoli, A. Fruganti, A. Romero Tejeda, A. Attili (Italy)
995 Effectiveness of Sodium Acetate in Neonatal Calf Diarrhoea  
I. Zhirkov (Russia)

996 Effect of Selenium and Vitamin E Supplementation during Late Pregnancy on Serum IgG Concentration in Heifers and Serum IgG Concentration and Passive Immunity in Their Calves  
M. Moeini, E. Mikaeili, H. Karami, A. Mostafaie (Iran)

997 Clinical Case Report of Congenital Abnormalities in Two Holstein Calves with Spina Bifida Occulta, Tail Absence, Achondroplasia and Brachygнатia  
F. Zavoshti, M. Dezfooli, M. Toolooi (Iran)

998 Diarrhoea of Neonatal Calves due to Klebsiella (First Report from Iran)  
F. Zavoshti, M. Dezfooli, A. Bahonar, M. Rabbani, T. Salehi (Iran)

999 Effects of Different Type of Dried Colostrum Powders in Neonatal Holstein Calves to Prevent Diarrhoea in Iran  
F. Zavoshti, M. Dezfooli, M. Rabbani, T. Salehi, H. Seifi (Iran)

1000 The Importance of Acute Phase Protein Measurements in the Clinical Diagnosis of Calves Experimentally Induced with Lipopolisaccharide (E. coli) Endotoxemia  
A. Coskun, I. Sen (Turkey)

1001 Protective Effect of Pastobov and Alterations of Peripheral Blood Leukocyte Subpopulations in Calves Experimentally Challenged with Mannheimia Haemolytica A1 Leukotoxin  
D. Bednarek, R. Urban-Chmiel, K. Dudek (Poland)

1002 Paroxysmal Hemoglobinuria in Calves  
O. Perusia, A. Giacone, R. Rustichelli, C. Dener (Argentina)

1003 Serum Protein Concentrations, Including Acute Phase Proteins, in Calves Experimentally Infected with Salmonella Dublin  
J. Fagliari, D. Silva, P. Silva (Brazil)

1004 The Studies on the Etiology of Diarrhoea in Neonatal Calves and Determination of Virulence Gene Markers of Escherichia coli Strains by Multiplex PCR  
M. Ok, L. Guler, K. Turgut, U. Ok, I. Sen, K. Gunduz, F. Birdane, H. Guzelbektes (Turkey)

1005 Efficacy of Oral Rehydration Therapy Solutions Containing Sodium Bicarbonate or Sodium Acetate in Treating Calves with Naturally Acquired Diarrhoea and Moderate Dehydration  
I. Sen1, V. Altunok1, M. Ok1, P. Constable2, A. Coskun1 (1:Turkey, 2:United States)

1006 Acid-base Analyses of Venous Blood in Calves with Diarrhoea  
S. Canikli, A. Coskun, H. Guzelbektas, I. Sen (Turkey)

1007 Detection of Five Agents (Coronavirus, Rotavirus, E. coli, Salmonella spp and Cryptosporidium sp) from Calves Diarrheic Samples in La Laguna Mexico Region  
J. Contreras, J. Palacios (Mexico)

1008 Changes of Lymphocytes Subpopulation and Serum Immuno-chemistry Profiles of Colostrum Conferred Korean Native Calves during the First 21st Days Postpartum  

1009 Influence of the Age of Entry of Veal Calves to a Fattening Unit on Growth Performance and Health Status  
M. Rérat (Switzerland)

1010 Toxin Typing and Antibiotic Resistance Profiles of Clostridium perfringens Isolates Associated with Cases of Sudden Death and Enterotoxaemia in Veal Calves in Belgium  
A. Muylaert, M. Lebrun, J. N. Duprez, D. Chirila, H. Theys, J. G. Mainil (Belgium)

1011 Efficacy of Florfenicol Associated or not with Intravenous Fluid Therapy for Treatment of Experimental Salmonellosis in Neonatal Calves  
D. Silva, P. Silva, J. Fagliari (Brazil)

1012 Clinical Pathological Features and Acid-Base Balance in Calves with Experimental Anaplasmosis  
L. Coelho, E. J. Facury Filho, M. Ribeiro, A. U. Carvalho, C. Castro, P. M. Ferreira, M. Freitas (Brazil)

1013 Effect of Intravenous Hypertonic Saline and Oral Eletralitic Solution on Hemogasometric Profile of Calves with Induced Osmotic Diarrhoea  
F. Benesi, M. Leal, F. Cyrillo, C. Mori, M. Nichi, H. Bertagnon (Brazil)

1014 Effect of Conservation Time on Bovine Polymorphonuclear Leukocytes in Calves Blood on Oxidative Burst and Escherichia coli Phagocytosis Activity  
E. Bohland, V. Sá-Rocha, F. Cyrillo, F. Benesi (Brazil)
1015 **Prevalence of Eimeria Infections in Dairy Calves from the State of Minas Gerais, Brazil**
E. J. Facury Filho, M. Moura, P. Soares, P. M. Ferreira, A. U. Carvilho, M. Ferreira (Brazil)

1016 **Prevalence and Risk Factors for Abomasal Lesions in Veal Calves**
C. Baehler, G. Schüpbach, M. Stoffel, A. Steiner, A. Von Rotz (Switzerland)

1017 **Influence of Supplemented Yeast-selenium on Thermometabolism in Iranian Holstein Suckling Calves**
A. Towhidi, M. Ebrahimi, A. Nik Khah, M. R. Sanjabi (Iran)

1018 **Study of the Efficacy of Hiprabovis pneumos in front of a Challenge Infection with Histophilus somni in Young Calves**
A. Foix, S. Casademunt, R. March (Spain)

1019 **Haematology and Selected Serum Biochemistry Parameters in Calves Suffering from Respiratory Diseases**
O. Nagy, H. Seidel, I. Paulikova, Cs. Tothova, G. Kovac (Slovakia)

1020 **Effect of Grain Processing on Acid-Base Balance in Finishing Bull Calves**
J. Hernandez, J. L. Benedito, V. Pereira, P. Vazquez, M. Lopez Alonso, M. Garcia-Vaquero, C. Castillo (Spain)

1021 **Effect of Probiotic Bacterium Bacillus Licheniformis on Blood Concentration of Minerals and Weight Gains in Calves**
R. Link, G. Kovac (Slovakia)

1022 **Malate Supplementation on Productive and Blood Parameters in Calves Fed a Corn-Based High-Grain Diet**
C. Castillo, J. L. Benedito, V. Pereira, P. Vazquez, B. Gutierrez, M. Lopez Alonso, J. Hernandez (Spain)

1023 **Treatment of Systemic Acidosis in Calves by Administration of Sodium Bicarbonate with Stomach Tube**
D. Zimmermann, R. Mansfeld (Germany)

1024 **High Incidence of Icterus, Neurological Symptoms and Congenital Hepatic Fibrosis in Newborn Calves in a Dairy Farm in the Czech Republic**
M. Skoric, P. Fictum, P. Fleischer, O. Langova (Czech Republic)

1025 **Prophylactic Measures and Epidemiology of Newborn Calf Diseases in Korea**

1026 Serum and Acute Phase Proteins in Calves with Respiratory Syndrome
Cs. Tothova, O. Nagy, H. Seidel, J. Konvciu, G. Kovac (Slovakia)

1027 **Calf Health Monitoring in Norwegian Dairy Herds**
S. M. Gulliksen, K. I. Lie, Ø. Østeraas (Norway)

1028 **Intranasal Vaccination Induces Protection of Young Calves against Bovine Respiratory Syncytial Virus within Five Days**
I. Vangeel, C. Imrie, J. Salt (United Kingdom)

1029 **Ultrasoundographic Evaluation of Thymus in Holstein Calves and Heifers and its Diagnostic Application**
K. Kurosawa, Y. Kono, H. Nagahata (Japan)

1030 **Probiotics in Prevention of Diarrhoea in Calves**
J. Prasek, J. Illek, D. Kumprechtova (Czech Republic)

1031 **The Use of Mannanoligosaccharides for the Prevention of Diarrhoea in Calves**
M. Vícek, J. Illek, D. Kumprechtova (Czech Republic)

1032 **Effects of Long Term Administration of Frozen and Fermented Colostrum of Vaccinated Cows on Newborn Calves. Performance and Diarrhoea Prevention**
M. Pourjafar, K. Badiei, M. Nadalirian, R. Jafari Jozani, M. ShakhseNiaie (Iran)

1033 **A Survey of Antibodies against Anaplasma Phagocytophilum in Calves in Norway**
S. Stuen1, E. Jor1, T. Rogadro, K. Bergström2, O. Østers1 (1Norway, 2Sweden)

1034 **Causes of Calf Losses in Finnish Suckler Cow Herds**
P. Syrjälä, T. Herva, T. Pohjanvirta, T. Autio (Finland)

1035 Hypoglycaemia in Calves – Causes and Impact on Prognosis
M. Feist1, L. Lorenz2 (1Germany, 2Ireland)

1036 **Acute Phase Proteins Response in Young Calves before and after Umbilical Hernia Surgery**
G. Soares, T. Polo, J. Faglari, L. Mendes, B. Lucato, F. Feitosa, C. Nunes, P. Ciarlini, J. Peiró (Brazil)
Poster Session
Calf Physiology / The Future / Bovine Veterinary / IBR

1037  **In vitro Evaluation of Curd Formation after Reconstitution of Neonatal Calf Oral Rehydration Therapy Solutions in Whole Cow’s Milk**
G. Nappert¹, P. Domps² (¹Canada, ²France)

1038  **Study of the Efficacy of Hiprabovis Pneumos in front of a Challenge Infection with Mannheimia haemolytica in Young Calves**
A. Foix, Š. Casademunt, R. March (Spain)

1039  **Neutrophil Oxidative Burst in Nelore and Limousin Calves in the First Four Months of Life**
M. Costa, K. Flaiban, R. Dognani, E. Vettorato, M. Balarin, J. Lisbôa (Brazil)

1040  **A Comparison of the Efficacy of Baytril 100 and Bio-Mycin 200 for the Treatment of Bovine Respiratory Disease in Feedlot Cattle**
S. Ives, J. Sears (United States)

1041  **The Dynamic of Fetal Hemoglobin in Calves of Different Breeds from Birth to the 180th Day of Life (age): Influence of Breeds**
M. Caribe Ayres, E. Birgel, A. C. Macedo, R. Viana, P. Soares, E. Birgel Junior (Brazil)

1042  **Clinical Classification of Diarrhoeas in Calves**
P. Cano-Celada, M. Mancera (Mexico)

1043  **Diarrhoea Treatment and Hydrotherapy in Calves**
P. Cano-Celada, A. Olguin y Bernal, M. Quiroz-Martinez (Mexico)

1044  **Bronchoalveolar Lavage in Calves Naturally Affected to Respiratory Disease: Cellular, Microbiological and Serological Variables**
M. R. Mokhber Dezfooli, H. Seifi, A. Araghi, P. Tajik, S. Lotfollahzadeh (Iran)

1045  **The Impact of Dairy Cows Management during the Dry Period on their Offspring’s Performances in Morocco**
H. Guemoune, A. Ilham, L. Maach, S. Alali (Morocco)

1046  **Water Belly Followed Urethral Aplasia in a Neonate Male Calf**
A. Raayat Jahromi, S. Dehghani, M. Javdani, S. Mehrshad (Iran)

1047  **Development and Evaluation of a SYBR Green Real-Time RT-PCR Assay for Detection and Genotype Prediction of Bovine Noroviruses**
E. Jor, M. Myrmel, C. Jonassen (Norway)

1048  **Congenital Anophthalmia – Case Report**
K. Madureira, V. Gomes, M. Ramalho (Brazil)

1049  **Botulism in Dairy Cattle Herd with Atypical Course of Disease**
K. Lutnicki, J. Marczuk, Ł. Kurek (Puerto Rico)

1050  **Monitoring Immunoglobulin Status of Newborn Calves Using Different Immunoassays**
K. Szabó-Ari, Cs. Bajcsy, I. Kacskovics, I. Mádl, L. Takács, O. Szenci (Hungary)

The Future of Production Animal Veterinary Education and Veterinary Practice

1051  **Changes in Daily Gain of Weight with the Inclusion of Leaves of Agave Blue Tequilana Weber in the Food of the Beef Bullocks**
I. Ruiz, Y. Martínez, J. Orozco (Mexico)

**Bovine Veterinary Education with Student’s Eyes** 1052-1053

1052  **Gynecology, Obstetrics and Artificial Insemination Phantom**
S. M. Zolhavarieh, H. R. Zahiri (Iran)

1053  **Distance Education Programs for Specialization in Bovine Production**
E. Tellez, M. A. Quiroz (Mexico)

**IBR Workshop** 1054

1054  **Seroprevalence of Bovine Herpesvirus 1 (BHV-1) Infection among Estonian Dairy Cattle**
K. Raaperi, A. Viltrop, T. Orru, K. Must, K. Mähar, I. Nurmoja (Estonia)
Performance Comparison of Lactating Holstein Cows Fed Rations Formulated by National Research Council 2001 and Cornell Pennsylvania Miner Programs
M. Kazemi, A. Nikkhah, H. Amanlou, M. Taghinejad (Iran)

Oxidative and Antioxidant Status during Negative Energy Balance (NEBAL) Period in Dairy Cows
A. Rizzo, C. Trisolini, E. Ceci, G. Minoia, M. Mutinati, M. Spedicato, M. Roscino, R. Sciorsci (Italy)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Effects of Monensin and Propylene Glycol on Rumen and Blood Metabolites of Holstein Lactating Cows
M. Dehghan-Banadaky, H. Bahrami-Yekdangi, K. Reza-Yazdi, A. Nejati, F. Fatehi (Iran)

Crude and Processed Milk Consumption Preferences in a Municipality of the Western-Central Region of Mexico
V. Espinosa, O. Barajas, A. Alonso, F. Alonso, L. A. García, L. Brunett, R. Meléndez (Mexico)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Oxidative and Antioxidant Status during Negative Energy Balance (NEBAL) Period in Dairy Cows
A. Rizzo, C. Trisolini, E. Ceci, G. Minoia, M. Mutinati, M. Spedicato, M. Roscino, R. Sciorsci (Italy)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Effects of Monensin and Propylene Glycol on Rumen and Blood Metabolites of Holstein Lactating Cows
M. Dehghan-Banadaky, H. Bahrami-Yekdangi, K. Reza-Yazdi, A. Nejati, F. Fatehi (Iran)

Crude and Processed Milk Consumption Preferences in a Municipality of the Western-Central Region of Mexico
V. Espinosa, O. Barajas, A. Alonso, F. Alonso, L. A. García, L. Brunett, R. Meléndez (Mexico)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Oxidative and Antioxidant Status during Negative Energy Balance (NEBAL) Period in Dairy Cows
A. Rizzo, C. Trisolini, E. Ceci, G. Minoia, M. Mutinati, M. Spedicato, M. Roscino, R. Sciorsci (Italy)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Effects of Monensin and Propylene Glycol on Rumen and Blood Metabolites of Holstein Lactating Cows
M. Dehghan-Banadaky, H. Bahrami-Yekdangi, K. Reza-Yazdi, A. Nejati, F. Fatehi (Iran)

Crude and Processed Milk Consumption Preferences in a Municipality of the Western-Central Region of Mexico
V. Espinosa, O. Barajas, A. Alonso, F. Alonso, L. A. García, L. Brunett, R. Meléndez (Mexico)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Oxidative and Antioxidant Status during Negative Energy Balance (NEBAL) Period in Dairy Cows
A. Rizzo, C. Trisolini, E. Ceci, G. Minoia, M. Mutinati, M. Spedicato, M. Roscino, R. Sciorsci (Italy)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Effects of Monensin and Propylene Glycol on Rumen and Blood Metabolites of Holstein Lactating Cows
M. Dehghan-Banadaky, H. Bahrami-Yekdangi, K. Reza-Yazdi, A. Nejati, F. Fatehi (Iran)

Crude and Processed Milk Consumption Preferences in a Municipality of the Western-Central Region of Mexico
V. Espinosa, O. Barajas, A. Alonso, F. Alonso, L. A. García, L. Brunett, R. Meléndez (Mexico)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Oxidative and Antioxidant Status during Negative Energy Balance (NEBAL) Period in Dairy Cows
A. Rizzo, C. Trisolini, E. Ceci, G. Minoia, M. Mutinati, M. Spedicato, M. Roscino, R. Sciorsci (Italy)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Effects of Monensin and Propylene Glycol on Rumen and Blood Metabolites of Holstein Lactating Cows
M. Dehghan-Banadaky, H. Bahrami-Yekdangi, K. Reza-Yazdi, A. Nejati, F. Fatehi (Iran)

Crude and Processed Milk Consumption Preferences in a Municipality of the Western-Central Region of Mexico
V. Espinosa, O. Barajas, A. Alonso, F. Alonso, L. A. García, L. Brunett, R. Meléndez (Mexico)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Oxidative and Antioxidant Status during Negative Energy Balance (NEBAL) Period in Dairy Cows
A. Rizzo, C. Trisolini, E. Ceci, G. Minoia, M. Mutinati, M. Spedicato, M. Roscino, R. Sciorsci (Italy)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Effects of Monensin and Propylene Glycol on Rumen and Blood Metabolites of Holstein Lactating Cows
M. Dehghan-Banadaky, H. Bahrami-Yekdangi, K. Reza-Yazdi, A. Nejati, F. Fatehi (Iran)

Crude and Processed Milk Consumption Preferences in a Municipality of the Western-Central Region of Mexico
V. Espinosa, O. Barajas, A. Alonso, F. Alonso, L. A. García, L. Brunett, R. Meléndez (Mexico)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Oxidative and Antioxidant Status during Negative Energy Balance (NEBAL) Period in Dairy Cows
A. Rizzo, C. Trisolini, E. Ceci, G. Minoia, M. Mutinati, M. Spedicato, M. Roscino, R. Sciorsci (Italy)

Effect of Substituting of Barley Grain with Corn Grain on Performance and Carcass Quality of Holstein Male Calves
F. Fatehi, M. Dehghan-Banadaky, K. Reza-Yazdi, M. Moradi-Shahrbabak, H. Bahrami-Yekdangi (Iran)

Effects of Monensin and Propylene Glycol on Rumen and Blood Metabolites of Holstein Lactating Cows
M. Dehghan-Banadaky, H. Bahrami-Yekdangi, K. Reza-Yazdi, A. Nejati, F. Fatehi (Iran)
<table>
<thead>
<tr>
<th>Poster Session</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Other / Herd Health Management and Epidemiology</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effects of Barley Straw Treated with Different Levels of Urea and Elemental Sulfur in Diets of Late Gestation Ewes: Effects on Lambing and Dietary in vitro Digestibility</td>
<td>K. Rezayazdi, H. Khalilvandi, N. Vahdani, M. Dehghan-Banadaky <em>(Iran)</em></td>
</tr>
<tr>
<td>Effects of Urea Treated Barely Straw and Inorganic Sulfur Inclusion on in vitro Digestibility of TMR and Performance of Fattening Varanini Lambs</td>
<td>K. Rezayazdi, N. Vahdani, H. Khalilvandi, M. Dehghan-Banadaky <em>(Iran)</em></td>
</tr>
<tr>
<td>Effect of Different Chemicals in situ Dry Matter Degradability of Sainfoin (Onobrichis Vicifolia)</td>
<td>H. Khalilvandi, K. Rezayazdi, M. Dehghan-Banadaky, N. Vahdani, H. Khazanehei <em>(Iran)</em></td>
</tr>
<tr>
<td>Effects of DFM on Blood Parameters in Sheep</td>
<td>H. Khazanehei, K. Rezayazdi, A. Nikkhah, M. Riazabas, H. Khalilvand, N. Vahdani, M. Sharifi <em>(Iran)</em></td>
</tr>
<tr>
<td>Effects of Alfalfa Hay Particle Size and Cottonseed Hulls as Nonforage Fiber Source on Performance of Holstein Dairy Cows</td>
<td>H. Abdi Benemar, K. Rezayazdi, A. Nikkhah <em>(Iran)</em></td>
</tr>
<tr>
<td>Concentration of Conjugated Linoleic Acid (CLA) and other Fatty Acids in Parmigiano-Reggiano Cheese</td>
<td>A. Formigoni, N. Brogna, F. Merendi, A. Mordenti, G. Biagi <em>(Italy)</em></td>
</tr>
</tbody>
</table>

**Herd Health Management and Epidemiology 1080-1151**

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studies on Phenotypic and Genotypic Features of Staphylococcus aureus Isolated from Human and Animals</td>
<td>N. Ünal, E. Istanbulluoglu <em>(Turkey)</em></td>
</tr>
<tr>
<td>Effect of Grazing Management on the Prevalence of Tick Infestation and Exposure to Theileria parva (East Coast Fever) in Cattle of Smallholder Dairies in the Lilongwe Milkshed Area</td>
<td>J. Musser¹, M. Ng’oma², K. Russell¹, M. Mulumba², M. Mitilodze² <em>(‘United States’, ‘Malawi’)</em></td>
</tr>
<tr>
<td>Elisa Antibodies to Study the Spread of Mycoplasma bovis in 2 Belgian Herds</td>
<td>D. Gevaert, P. Passchyn, H. Theys <em>(Belgium)</em></td>
</tr>
<tr>
<td>Reporting of Peste des Petits Ruminants at Various Government Livestock Farms in Pakistan and Comparative Evaluation of Different Serological Tests to Diagnose it</td>
<td>M. R. Muhammad¹, P. R. Siddique² <em>(‘Sweden’, ‘Pakistan’)</em></td>
</tr>
<tr>
<td>Abscesses Disease in Small Ruminants of Batna Area (Algeria): Preliminary Study of an Epidemiologic Investigation</td>
<td>M. Alloui¹, A. Ayachi¹, J. Kaba¹ <em>(‘Algeria’, ‘Poland’)</em></td>
</tr>
<tr>
<td>The Case of BVDV-MD in a Heifer</td>
<td>A. Sagkan-Ozturk, A. Coskun, I. Sen <em>(Turkey)</em></td>
</tr>
<tr>
<td>Statistical Correlation on Serological Surveys of Bluetongue Disease with Climate Changes in Northwest of Iran</td>
<td>S. Mahdavi, A. Bahonar, A. G. Ramin <em>(Iran)</em></td>
</tr>
<tr>
<td>Evaluation of the Antibodies Produced in Colostrums by the Injection of Trivalent Rota-Corona Virus and Escherichia coli Vaccine in Pregnant Cows</td>
<td>A. G. Ramin, A. Morshedî, T. Zahraie-Salehi, M. Rabani-Khoraseghanî, M. Sanati, M. Brâhimi <em>(Iran)</em></td>
</tr>
<tr>
<td>Entity and Duration of Immunity to Bovine Viral Diarrhea Virus (BVDV) Elicited by Intranasal Administration of a Modified-live Vaccine</td>
<td>S. Cavirani, C. Piancastelli, F. Ghidini, S. Taddii, C. Cabassi, M. Bonfanti <em>(Italy)</em></td>
</tr>
<tr>
<td>Acid-Base Status in Rumen Fluid and Urine of Dairy Cows</td>
<td>J. Kricziokat, T. Wittek, M. Fürl (<em>Germany</em>)</td>
</tr>
<tr>
<td>Poster Session</td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td></td>
</tr>
<tr>
<td>Herd Health Management and Epidemiology</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Poster ID</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1093</td>
<td>Risk Factors for Bovine Viral Diarrhoea Infection of Dairy Farms in New Zealand</td>
<td>A. Weir, C. Heuer (New Zealand)</td>
</tr>
<tr>
<td>1094</td>
<td>Descriptive Study of Cattle Replacement Practices in an Experimental Station for Cattle in the Tropics</td>
<td>J. Barajas-Rojas¹, C. Soto Alberti² (¹Mexico, ²United States)</td>
</tr>
<tr>
<td>1095</td>
<td>Histopathological and Immunohistochemical Characterization of Bovine Abortion in Friuli Venezia Giulia (Italy)</td>
<td>E. Pittoni, M. Galeotti (Italy)</td>
</tr>
<tr>
<td>1096</td>
<td>Determination of Risk Indicators of Postpartum Uterine Disease in Dairy Cows – Field study I</td>
<td>R. Martin, C. Stock, C. Sauter-Louis, R. Mansfeld (Germany)</td>
</tr>
<tr>
<td>1097</td>
<td>Determination of Risk Indicators of Postpartum Uterine Disease in Dairy Cows – Field Study II</td>
<td>R. Martin, C. Euler, C. Sauter-Louis, R. Mansfeld (Germany)</td>
</tr>
<tr>
<td>1098</td>
<td>Detection of Persistently Infected (PI) Calves with Bovine Viral Diarrhoea Virus (BVDV) Using “Ear Notch Test” and Comparing it by Immuno-capture ELISA</td>
<td>M. Nadalian, A. Sadeghi-Nasab, F. Hemmatzadeh, J. Nadjadi, P. Seifoori, M. Gorgidooz, A. Bahonar (Iran)</td>
</tr>
<tr>
<td>1099</td>
<td>The Efficiency of a Pour on Treatment Containing Warfarin (VAMPIRICID GEL) in Beef Cattle to Reduce the Attacks of Vampire Bats</td>
<td>E. Ortolani, C. Maruta (Brazil)</td>
</tr>
<tr>
<td>1100</td>
<td>Comparison of some Blood Parameters in Varied Breeds of Beef Cows and their Calves on an Open Farm</td>
<td>R. Mordak, P. Nowakowski, J. Twardoń (Poland)</td>
</tr>
<tr>
<td>1101</td>
<td>Seroprevalence and Risk Factors of Neosporosis in Dairy Cows in Western Thailand</td>
<td>P. Arunvitas, T. Inpunkaew, S. Jittapalapong (Thailand)</td>
</tr>
<tr>
<td>1102</td>
<td>Prevalence of and Risk Factors for Listeria Species on Dairy Farms in Spain</td>
<td>M. J. Vilar, E. Yus, F. J. Diéguez, J. L. Rodríguez-Otero, M. L. Sanjuán (Spain)</td>
</tr>
<tr>
<td>1105</td>
<td>Realization of the Integrated Veterinary Medicine in the Herd Health and Food Animal Production of the Cattle in Slovakia</td>
<td>J. Biřes, E. Pilipčínek, M. Vasil, J. Pliesovsky (Slovakia)</td>
</tr>
<tr>
<td>1106</td>
<td>Study the Efficacy of Different Use of PGF2α and GnRH Injection Protocols in Post Partum Dairy Cows</td>
<td>M. Mohamadsadegh, S. Lottollahzadeh, A. Bahonar, T. Pazoky (Iran)</td>
</tr>
<tr>
<td>1107</td>
<td>Metabolic Blood Parameters in Periparturient Dairy Cows with or without Disease</td>
<td>L. Stengärde, U. Emanuelson, M. Travén, J. Hultgren, K. Holtenius, R. Niskanen (Sweden)</td>
</tr>
<tr>
<td>1108</td>
<td>Left Abomasal Displacement in a Young Bull</td>
<td>G. Belbis, Y. Millemann, B. Ravary, M. Maillard, A. Mayer, D. Remy (France)</td>
</tr>
<tr>
<td>1109</td>
<td>An Evaluation of Tulathromycin Treatment at Post-weaning Movement on the Incidence of Respiratory Disease and on Growth in Commercial Dairy Calves</td>
<td>A. Stanton”, S. LeBlanc”, R. Dingwell”, D. Kelton”, S. Millman”, J. Wormuth”, K. E. Leslie” (¹Canada, ²United States)</td>
</tr>
<tr>
<td>1110</td>
<td>Detection of BVD Virus Associated with High Mortality Rate in Dairy Calves</td>
<td>H. Guarino, R. Sienra, G. Tort, G. Gonzalez, M. Alzugaray (Uruguay)</td>
</tr>
<tr>
<td>1111</td>
<td>The Prevalence of Hock Lesions in UK Dairy Cattle and the Significance of Risk Factors Associated with the Development of the Condition</td>
<td>S. Potterton, M. Green, J. Harris, K. Millar, H. Whay, J. Huxley (United Kingdom)</td>
</tr>
<tr>
<td>1112</td>
<td>A Comparison of Bovine Serological Profiles of Leptospira from Two Tropical Regions in Mexico</td>
<td>L. Moles, J. Torres, J. Cadena, M. Luna, D. Gavaldon (Mexico)</td>
</tr>
<tr>
<td>1113</td>
<td>Serological Identification of Antibodies against Leptospira in Calves of a Dairy Cattle Farm in Mexico</td>
<td>L. Moles, J. Hernandez, D. Gavaldon, J. Cadena, J. Torres, M. Gonzalez, M. Luna (Mexico)</td>
</tr>
</tbody>
</table>
1114 **Serological Profile of Cattle from a Semiarid Region of Mexican Northwest**  
D. Pedroza, M. Luna, V. Banda, F. Salazar, D. Gavaldon, L. Moles (*Mexico*)

1115 **A Retrospective Seroprevalence Study of Bovine Leptospirosis in Mexico Considering Ecological Regions**  
M. Luna, L. Moles, D. Gavaldon, C. Nava, F. Salazar (*Mexico*)

1116 **Sanitary Management Related to the Presence of Antibodies against Leptospira, Brucella and Neospora in Cows from a Dairy Farm**  
M. Botello, A. Yaez, J. Torres, L. Moles, D. Gavaldon (*Mexico*)

1117 **Lymphocyte Proliferation in Bovine Leukemia Virus-intected Dairy Cows**  
F. Souza¹, M. Azedo¹, M. Sakai¹, K. Kieling¹, R. Weigel¹, B. Sanchez¹, C. Strincagnolo¹, M. Blagitz¹, C. Massoco², A. M. Della Libera¹ (*Brazil, United States*)

1118 **Study on Bovine Herpes Virus–1 (BHV-1) Antibodies in Milk Samples of Dairy Cattle by ELISA in Kāraj**  
G. Afshari, A. Bahonar, M. Lottizadeh, F. Mosakhani, M. Chaheh (*Iran*)

1119 **Field Study of the Diagnostic Performance of Two Serological Tests for Bovine Paratuberculosis in Serum and Milk**  
F. Gierke, M. Ziller, H. Köhler (*Germany*)

1120 **Types of Bovine Uroliths in Turkey, USA, and Canada**  
A. Onmaz¹, H. Albasan³, C. Osborne², J. Lulich², L. Koehler², V. Gunes³, R. Yilmazer¹ (*Turkey, USA*)

1121 **Relationship between Periparturient Serum Concentrations of Non-Esterified Fatty Acids (NEFA), Beta-Hydroxybutyrat (BHβA), Bilirubin and Urea and the Prevalence of Postpartum Bovine Endometritis**  
T. Kaufmann, M. Drillich, B. Tenhagen, W. Heuwieser (*Germany*)

1122 **Serological, Virological and Haematological Examination of Rotavirus Infection in Calves with Diarrhoea and Their Dams**  
S. Yavru, O. Bulut, S. Sahindurraz, M. Kale, O. Yapece, O. Ayce, M. K. Albay, F. Pehlivanoglu (*Turkey*)

1123 **Metaphylaxis with Florfenicol Based on Temperature at Feedlot Entry against BRD under Commercial Conditions in Spain**  

1124 **A Simulation Model for the Spread of BVD in Germany**  
T. Selhorst, J. Gethmann (*Germany*)

1125 **Prevalence of Fluorosis in Buffaloes in Punjab State of India**  
J. Singh, S. Uppal, K. Dua, S. Randhawa, C. Randhawa (*India*)

1126 **Relationships between Paratuberculosis Sero-status and Milk Production, SSC and Calving Interval in Irish Dairy Herds**  
K. Hoogendam¹, E. Richardson², J. Mev³ (*The Netherlands, Ireland*)

1127 **Clinical Surveys in Acute Lead Poisoning in Dairy Cattle**  
S. Catania, O. Farolin, G. Binato, M. Corr, E. Schiavon, M. Merenda, D. Bilato, L. Iob (*Italy*)

1128 **Bacteriological and Serological Study on the Infection of Mannheimia (Pasteurella) haemolytica in Cattle in Ahvaz (Southwestern of Iran)**  
M. R. Haji Hajikolaei, A. Rasoli, M. Ghorbanpoor, M. R. Saifiabad-Shapouri, D. Ebrahimkhani (*Iran*)

1129 **Tick-borne Diseases in Dairy Cattle: Conditioning Factors in a Mediterranean Endemic Area**  
L. Ceci, P. Paradis, D. de Caprarissi, F. Ianussi, M. Sasanelli, G. Carelli (*Italy*)

1130 **Serological Determination of Leptospirosis and Brucellosis in Bovine Fetuses**  

1131 **Evaluation of Vaccine Preparations for Bovine Leptospirosis by the Micro Agglutination and Growth Inhibition Tests**  
C. Cedillo, K. Morales, H. Castillo, J. I. Torres, L. Benavides (*Mexico*)

1132 **Genotyping of Mycobacterium Avium Subsp. Paratuberculosis Isolates Based on Mycobacterial Interspersed Repetitive Units (MIRU) Methods**  
A. El-Sayed¹,², S. Natur³, W. Wolter¹, M. Zschöck¹, A. Hassan³ (*Egypt, Germany*)

1133 **Detection of Mycobacterium Avium Subsp. Paratuberculosis in Manure, Environmental Samples and Milk Filters of Dairy Herds**  
1134 A Comparison between Two Calf Breeding Systems and its Influence in Weight Gaining at Weaning
M. L. Botello, J. I. Torres, L. P. Moles, D. Galvadon (Mexico)

1135 Anti Leptospiral Antibodies in Equines and Canines in an Endemic Area of Bovine Leptospirosis
C. Mendez, J. I. Torres, P. Melendez, L. Benavides (Mexico)

1136 Antileptospiral Antibodies in Bovine and Human Populations in a Dairy Farm in Tizayuca, Hidalgo Mexico
J. I. Torres, L. Benavides, P. Melendez, D. Galvadon, M. L. Botello (Mexico)

1137 Association of Bovine Viral Diarrhea Virus (BVDV) and Bovine Herpesvirus-1 (BHV-1) in Abnormal Cervical Mucous Discharge and Fertility in Cows and Heifers
S. Yavru, M. Kale, A. Ayhan, Ö. Bulut, M. S. Gulay, O. Yapıcı, F. Pehlivanoglu (Turkey)

1138 Cefquinome Disk Susceptibility Test and Interpretative Criteria for Cefquinome in vitro Activity Testing against Veterinary Pathogens
M. Rose1, J. Swinkels2 (1Germany, 2The Netherlands)

1139 Prevalence of Haemophilus somnis in Breeding Bulls: Bacteriological and Immunological Methods
B. Vidic, S. Savic-Jevdjenic, Z. Grgic, I. Stojanov, D. Milanov, T. Barna (Serbia)

1140 Flow Cytometric Analysis of Phagocytosis and Respiratory Burst in Leukocytes from Bovine Leukemia Virus Naturally Infected Cattle
M. Azedo1, C. Massoco2, M. Blagitz3, B. Sanches4, F. Souza5, C. Batista6, U. Schalch7, F. Benesi8, A. M. Della Libera9 (1Brazil, 2United States)

1141 Reactive Oxygen Species Production by Monocyte-macrophage Line Cells in Bovine Leukemia Virus Infected Dairy Cows
M. Blagitz, M. Azedo, F. Souza, T. Spinola, B. Sanches, C. Batista, C. Ribeiro, F. Benesi, A. M. Della Libera (Brazil)

1142 Evaluation of Macrophages Function of Naturally Bovine Leukemia Virus Dairy Cows
M. Blagitz, M. Azedo, F. Souza, T. Spinola, B. Sanches, C. Batista, A. Benesi, C. Ribeiro, A. M. Della Libera (Brazil)

1143 Causes and Frequency of Culling Rate in a Large Dairy Industrial Farm in Suburb of Tabriz (Northwest of Iran)
A. Mahpaekar, F. Zavoshti, A. Khoshkenab (Iran)

1144 Changes in Peripheral Blood B Lymphocytes Subsets in Bovine Leukemia Virus Infected Cattle after Foot-and-Mouth Disease Vaccination
M. Azedo, M. Blagitz, B. Sanches, F. Souza, C. Ribeiro, T. Spinola, C. Batista, F. Benesi, A. M. Della Libera (Brazil)

1145 Research on Causes of Death in Cattle in Farms in Vigone District, North-West Italy
G. Martano, A. Lambiase, F. Radicati di Primeglio (Italy)

1146 Effect of Bovine Respiratory Disease on Growth and Carcass Quality during Early and Late Finishing Periods Using Treatment Records and Lung Lesions Scoring in French Feedlot Cattle
F. Corbiere, C. Lacroux, R. Besse, R. Chevalier, P. R. Cloet, F. Schelcher (France)

1147 A Comparison of Florfenicol and Tulathromycin for the Treatment of Undifferentiated Fever (UF) in Feedlot Calves Receiving Metaphylactic Tulathromycin at Feedlot Arrival
T. Perrett1, K. Jim1, B. Wildman1, T. Guichon1, M. Fuchs1, C. Booker2, J. Berg2, J. Roder2, M. Spire2 (1Canada, 2United States)

1148 Development and Evaluation of a HACCP-like Approach to the Control of Mastitis on Irish Dairy Farms
L. Beekhuis, P. Whyte, C. Devitt, L. O’Grady, S. More, M. Doherty (Ireland)

1149 Zinc Supplementation Effect in the Development and Conglutinin Concentration in Nelore Calves Thymus Raised in Brachiaria Decumbens in the Cerrado of Brazil
S. Pereira, C. Madruga, S. Moraes, I. Tozetti, C. Faria, A. Freitas (Brazil)

1150 Association between Subclinical Endometritis and Glycogen Concentration in Neutrophils of Lactating Holstein Cows
K. Galvaø, W. Butler, S. Brittin, L. Caixeta, R. Sper, M. Fraga, A. Ricci, R. Gilbert (United States)

1151 Efficacy of Vaccination against Ringworm in Veal Calves – Multicenter Controlled Field Study
P. Houffschmitt, Y. Lagalisse, P. Personne (France)
Poster Session

Parasitology 1152-1196

1152 Detection of Theileria anuulata in Blood Samples of Native Cows by PCR and it's Comparison with Smear Preparation Method
H. Azizi, B. Shiran, F. Salehi, Z. Sadeghi (Iran)

1153 Study on Incidence of Blood Parasites in Slaughtered Camels in Tehran Abattoir
S. H. Ranjbar-Bahadori, A. Mirzai (Iran)

1154 Prevalence of Coccidia in French Young Dairy Calves in Vendée
C. Denis, A. Valognes, A. Richard (France)

1155 Prevalence of Stable Coccidiosis in Calves with a History of the Disease in the Benelux
D. Gevaert (Belgium)

1156 Prevalence of Sheep Liver Trematodes in the Northwest Region of Iran
M. Movassagh Ghazani, M. Valilou (Iran)

1157 Effects of Decoquinate on Bulls Growth during the First 3 Months of Fattening: Field Trial on Charolais
A. Richard, G. Peyrin, R. Jobert, A. Valognes (France)

1158 Serological Survey of Human Cystic Echinococcosis with ELISA Method and HCF AG, in Moghan Plain, Ardabil Province, Iran
H. Mirzanejadass1, P. Deplazes2, M. Fasihi Harandi1 (1Iran, 2Switzerland)

1159 Survey of Tick Species Distribution in Sheep and Goats in Tabriz, Iran
A. Nematollahi (Iran)

1160 Utilization of a Supplemented Decoquinate Feed for Young Limousin Bulls
A. Richard, B. Celmat (France)

1161 Effects of Imidocarb Dipropionate Use on Trypanosomosis by Trypanosoma vivax in Sheep
R. Lira, F. Bezerra, J. Carvalho, H. Alves, C. Rodrigues, J. Araújo, J. Batista (Brazil)

1162 Epidemiology of Neospora caninum in Dairy Cattle in Northeast Iran
A. Sadrebazzaz, M. Farhoodi, F. Vahedi (Iran)

1163 Evaluation of Anemia and Leucocytes Indexes in Cattle Theileriosis
A. Ramin, S. Asri-Rezaie, M. Hemati (Iran)

1164 Practical Uses of Decoquinate to Control Cryptosporidiosis Infection in Single Suckled Calves by Medicating the Cow Diets Pre- and Post-Calving in Scotland
C. Cameron1, A. Richard2 (1United Kingdom, 2France)

1165 Evaluation of the Persistent Efficacy of CYDECTIN (Moxidectin) 10% LA Injectable against Psoroptes ovis in Naturally Infested Cattle in Belgium
B. Losson, R. Hanosset, M. Lekimme, B. Mignon, E. Deroover (Belgium)

1166 Liver Copper Status in Sheep with Fascioliosis
G. Kojouri, J. Shojaei, I. Amani (Iran)

1167 Phenotypic and Genomic Characteristics of Sheep Giardia in Comparison with Human Isolate by PCR-RFLP Method
N. Dashti, M. Zare Bavani, A. Farahvash (Iran)

1168 A Survey on Caprine and Bovine Hypodermosis in Isfahan Abattoir and in Fereydonshahr Respectively
T. Taghipour Bazargani, F. Baghban, S. Rahbari (Iran)

1169 Evaluation of Different Antigen in Serodiagnosis of Infection with Dicrocoelium Dendriticum in Cattle
B. Mesghi, M. Khomami, H. Hosseini (Iran)

1170 Cryptosporidium and Other Enteropathogen Agents Associated with Neonatal Diarrhoea in Romanian Dairy Calves
K. Imre, G. H. Darabus, S. Morariu, V. Herman, I. Oprescu, N. Mederle, M. Ilie, I. Hotea, M. Palca (Romania)

1171 Anthelmintic Efficacy of Trichorfon in Naturally Infected Bovines
A. Costa1, R. Lima1, C. Buzulini1, W. Lopes5, C. Ferreira1, H. Silva1, C. Bhushan2, B. Carneiro1, G. Camargo1 (1Brazil, 2Germany)
<table>
<thead>
<tr>
<th>Poster Session</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Parasitology</strong></td>
</tr>
</tbody>
</table>

1172 **Efficacy of Oxyclozanide against the Rumen Fluke Calicophoron Daubneyi in Experimental Infection in Goats**
D. Remmy, C. Paraud, C. Chartier (France)

1173 **Summer Paramphistomum Larvae Infestation in a Dairy Heifer Lot**
L. Mercier, P. Otz, G. Lesobre, T. Alagrinouwaa, M. A. Arcangiolii (France)

1174 **The Distribution and Abundance of Culicoides obsoletus and Culicoides pulicaris Complex in Romania, in the Actual Circumstances of the Global Warming Process**
P. Elena, I. Aurelia, H. Anisoara (Romania)

1175 **Persistent Efficacy of Two Endectocide Pour on Formulations against Experimental Single Challenge with Dictyocaulus viviparus in Cattle**
E. Bousquet1, C. Fiel2, N. Mentorino3, C. Samuell2, E. Formentini2, J. Errecalde2 (1France, 2Argentina)

1176 **Electrophoretic Pattern of Serum Proteins in Bovine Tropical Theileriosis**
M. Ghane, K. Mostaghni, K. Badiei, M. Dorodchi (Iran)

1177 **Detection of Neospora caninum DNA by PCR Analysis in Different Tissues of Bovine Aborted Foetuses in Infected Beef and Dairy Herds at Various Seroprevalence Level**
M. Gennero (Italy)

1178 **Bovine Dyctiocaulosis: an Approach to Prevalence and Risk Factors in the Province of Cundinamarca (Colombia)**
O. Oliver, S. Barrera, R. Castaneda (Colombia)

1179 **Evaluation of Efficacy of 2.25% Ivermectin + 1.25% Abamectin and 3.15% Ivermectin in Cattle Naturally Infected with Dermatobia Hominis Larvae**
C. Sakamoto, R. Lima, W. Lopes, C. Buzzulini, R. Mendonca, T. Arantes, G. Oliverira, A. Costa (Brazil)

1180 **Efficacy of a 12% Chlorpyrifos Base Pour on Formulation against Flies and Ticks in Naturally Infested Cattle**

1181 **Efficacy of 50% Chlorpyrifos + 50% Amitraz Combination against R. microplus in Experimentally and Naturally Infected Cattle**

1182 **Evaluation of the Toxicity of 2.25% Ivermectin + 1.25% Combination in Calves Younger than 4 Months**

1183 **Effect of a Formulation Containing 2.25% Ivermectin + 1.25% Abamectin and 10% Moxidectin on Body Weight in Nelore Cattle**

1184 **Comparative Evaluation of Anthelmintic Action of Different Long Acting Avermectins in Calves and Their Effect on Body Weight**
W. Lopes, C. Buzzulini, R. Mendonca, C. Sakamoto, R. Lima, T. Arantes, G. Oliverira, A. Costa (Brazil)

1185 **Anthelmintic Activity and Effect On Body Weight of a 2.25% Ivermectin + 1.25% Abamectin Combination in Comparison to Other Endectocides in Calves**

1186 **Efficacy of an Avermectin Association against Gastrointestinal Helminths Resistant to Ivermectin and Doramectin in Cattle**
V. Rangel1, R. Leite1, G. Almada1, T. Arantes1, J. Costa1, E. Santos2, P. Oliveira1 (1Brazil, 2The Netherlands)

1187 **Effect of Biochemical Blood Serum (ALT, AST, ALP, LDH, CA, P, CL) in Theileriosis Disease**
A. Mohagheghzadeh, B. Fallahia (Iran)

1188 **The Study of Culicoides Spp. as Probable Vectors of Bluetongue Virus to Ruminants in Western Azerbaijan, Eastern Aza, Arbil and Zanjan Provinces of Iran**
M. Abdigoudarzi, R. Kargar, Z. Ghamari, B. Razmarai (Iran)

1189 **A Method for DNA Isolation for Polymerase Chain Reaction Detection of Ornitobilharzia turkestanicum (Schistosomatidae) in Infected Snails**
G. H. Motamedi, A. Ghoreshi, H. Dalimi, H. Paykari, R. Salehitoabar, G. H. Karimi, M. Abdigoudarzii (Iran)

1190 **Detection of Echinococcus granulosus in the Stray Dogs: Coprodiagnosis ELISA as an Alternative to Necropsy**
G. H. Motamedi, M. Syavashi, H. Dalimi, M. Mohammadi, S. Solymania (Iran)
<table>
<thead>
<tr>
<th>Poster Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parasitology / Animal Hygiene / Animal Behaviour and Welfare</td>
</tr>
</tbody>
</table>

| 1191 | Homeopathy in the Control of Natural Infestation of Boophilus microplus in Cattle  
M. Arenales, N. Silva, J. Moletta, A. Minho, L. Filippsen (Brazil) |
| 1192 | Adjuvant Effect of LPS and Propionibacterium Acnes Combined with Anthelminthic during Experimental Nematode Infection in Sheep  
P. Denapoli¹, S. Chen¹, C. Garcia¹, F. Toniazzi¹, J. Mussalem¹, C. Squaiella¹, I. Longo-Maugeri¹, R. Shaw², L. Abel¹  
¹(Brazil), ²New Zealand |
| 1193 | Evaluation of Fenbendazole Oral Drench plus Ivermectin Injectable vs. Moxidectin Injectable on Performance of Finishing Steers  
H. Newcomb, J. Hutcheson, S. Nordstrom, W. Burdett, M. Bolton, D. Brister, T. Shelton (United States) |
| 1194 | The Multiple Parasitic Aggression on Black Goat Species (Rupicapra Rupicapra) and Local Reactivity  
O. Iacob, O. Cotofan, G. Raileanu, I. Pop (Romania) |
| 1195 | Comparison of Oral Drench vs. Top-feeding as Anthelminthic Treatment in Fattening Bulls  
P. Houffschmitt, Y. Lagalisse, C. Mage (France) |
| 1196 | Animal Pollution in Upper Egypt  
F. Raghib, G. Abd-El Hadi (Egypt) |

**Animal Hygiene, Housing and Biosecurity 1197-1201**

| 1197 | The Effect of Subclinical Experimental Infection with Haemonchus contortus on Carcass Quality of Karadi Lambs  
N. Jakhsi, M. Rekani (Iraq) |
| 1198 | Airborne Dust and Endotoxin in Dairy Cows Stable  
M. Vučemilo, K. Matković, B. Vinković, V. Vučevac Bajt, S. Radović, R. Brezak, M. Benić (Croatia) |
| 1199 | Complement Receptor Type 3 (CR3)- and Fc Receptor (FcR)-mediated Matrix Metalloproteinase 9 (MMP-9) Secretion and their Intracellular Signaling of Bovine Neutrophils  
H. Higuchi, M. Ishizaka, H. Nagahata (Japan) |
| 1200 | An Epidemic of Salmonellosis caused by Wild Birds Excreting Salmonella at a Dairy Farm  
O. Ruoho, L. Suojala (Finland) |
| 1201 | Phylogenetic Analysis of Types O and A, Foot-and-Mouth Disease Virus Isolated in Khorasan-Razavi Province – Iran  
S. Zibaei, H. Kivanfar, M. Rabbani, M. Fathinajafi, F. Hematzadeh, S. Bokaei, M. Kiyanizadeh, M. Hemati (Iran) |

**Animal Behaviour and Welfare 1202-1203**

| 1202 | Preference of Dairy Cows for Different Free Stall Floorings in Relation to Season  
A. Tateo, P. De Palo, P. Centoducati (Italy) |
| 1203 | Behaviour of Thai Friesian Cows and Heifers at Parturition  
W. Chaya (Thailand) |
**Genetics and Breeding (Crossbreeding)**

**1204** Single Nucleotide Polymorphism (SNP) Analysis of Bacterial PAMPs Associated with Toll Like Receptors (TLR1, TLR2 and TLR4) in Autochthonous Central European Cattle
M. Bhide, R. Mucha, I. Mikula, L. Kisova, M. Novak, I. Mikula (Slovakia)

**1205** Selection of Mathematical Model for Describing Lactation Curve Using Milk Records of a Single Herd of Holstein Cow in Iran
A. Boustan, M. Moradi Shahrebabak, A. Nejati Javaremi, M. Dehghan Banadaki (Iran)

**1206** Transcriptomic Pattern of Skeletal Muscle in Meat Breed Bulls
T. Sadkowski, M. Jank, J. Oprzadek, L. Zwierzchowski, T. Motyl (Poland)

**1207** Study of Genetic Diversity in Iranian Mouflon Population Based on Microsatellite Marker
S. Ghovvati, M. Nassiri, F. Eftekhari-Shahroudi, M. Soltani, A. Javadmanesh (Iran)

**1208** Researches Concerning the Comparison of Milk Yield between Pinzgau Breed Imported from Austria and Pinzgau of Transylvania
I. Gilea, C. Pascal, M. Ivancea, B. Pasarin (Romania)

**1209** Prevalence of CVM Carriers among Polish Holstein-Friesian Bulls: How to Combine Interests of Breeders and AI Centers?
S. Kamiski, A. Rusc (Poland)

**Food-Safety**

**1210** The Using of Medicinal Plants to Increase Animals Milk
F. Azarfard (Iran)

**1211** Occurrence of Campylobacter spp. and Salmonella spp. on Cattle Carcasses during Processing
E. Rahimi, E. Tajbakhsh (Iran)

**1212** Study on Infestation of Cattle Carcasses to Sarcocyst spp in Slaughtered Cows in Shahrekord by Impression Method
M. Boniadian, B. Meshki (Iran)

**1213** Evaluation of Resistance to Fusarium sp. on Hybrid Corn Grown in the Field
A. Morales, A. Rodea, G. Vidal, D. Pena (Mexico)

**1214** Photo-Degradation of Fumonisins from Hybrid Corn
H. Calderón, P. Thangarasu, M. Carbajal, D. Pena (Mexico)

**1215** Investigations on Food Born Pathogen Spectrum in Raw Milk from Latvia Dairy Farms
A. Jemeljanovs, I. Konosonoka, J. Bluzmanis, D. Ikauniece (Latvia)

**1216** The Evaluation of the Growth and Selected Carcass and Meat Quality Parameters in Fattening Bulls Fed a High-Grain Diet
E. Stercova, A. Krasa, R. Lepkova, J. Sterc (Czech Republic)

**1217** Quantification of Salmonella in French Cattle Fecal Samples at Slaughter House by MPN real time PCR
A. Dayhum, A. Fares, M. Sanaa, O. Cerf, Y. Millemann (France)

**1218** Hygienic Evaluation of Hamburgers from the Aspect of some Microbiological Parameters and Comparing Them with National Standards in Iran
A. Fazlara, S. Maktabi, N. Naghavi (Iran)

**1219** Comparative Survey on Hygienic Quality (Coliform, Escherichia coli and Staphylococcus aureus) of Industrial Butters with Using Standard Methods and Impedance – Splitting Method
A. Fazlara, A. Khataminia (Iran)

**1220** Development of DNA-based Methods for Species – Specific Identification in Industrial Meet Products and Fishmeal
S. Ghovvati, F. Eftekhari-Shahroudi, Z. Mirhousein, M. Nassiri, I. Hossein-Nia, F. Rahimi (Iran)

**1221** Genetic and Phenotypic Traits of Bovine (Non-clinical) and Human (Clinical) Isolates of Pseudomonas aeruginosa
B. Nagy, A. Szmolka, J. Pászti, B. Libisch, M. Füzi (Hungary)
**Veterinary Implications of Organic Farming 1222-1224**

1222  **Effect of Protein Supplementation on Milk Equol Content of Cows Fed Red Clover Silage**  
E. Mustonen, M. Tuori, I. Saastamoinen, J. Taponen, H. Saloniemi, A. Vanhatalo (Finland)

1223  **Evaluation of the Use of Homeopathy over the Sanitary and Productivity Parameter in Steers**  
M. Arenales, R. Signoret, F. Resende, F. H. Souza, T. Garcia (Brazil)

1224  **Homeopathy Performance in Cattle Production Management with Nellore Steers during the Rainy Season**  
M. Arenales, R. Sampaio, F. Resende, R. Signoret, M. De Faria, G. Siqueria, R. Reis, F. Miguel (Brazil)

**Good Veterinary Practice (Antibiotic Resistance) 1225-1230**

1225  **The Effect of Herbal Medicine on Cow Dramatic and Vagina Infection Treatment**  
A. Ahadi, M. Sanjabi, M. Moeini (Iran)

1226  **Antimicrobial Effect of EDTA TRIS and Antibiotics on Salmonella typhimurium in vitro and on Broiler Carcase**  
A. Mohagheghzadeh, J. Nouraei (Iran)

1227  **Genotyping and Biofilm Formation in Different Growth Media of Staphylococcus aureus Bovine Mastitis Isolates: Evidence for Lack of Penicillin-resistance in Agr-type II Strains**  
M. Melchior, M. Van Osch, R. Graat, E. Van Duijkeren, M. Mevius, M. Nielen, W. Gaastra, J. Fink-Gremmels (The Netherlands)

1228  **Comparison of Antimicrobial Resistance Patterns of Salmonella spp. and E. coli obtained using the same Fecal Samples from Dairy Cattle in Colorado, USA**  
A. Villarroel, D. Dargatz, M. Salmai, S. Ladely, P. Fedorka-Cray (United States)

1229  **Factors Associated with Isolation of Antimicrobial Resistant Salmonella spp. and E. coli from Dairy Cattle in Colorado, USA**  
A. Villarroel, D. Dargatz, M. Salmai, S. Ladely, P. Fedorka-Cray (United States)

1230  **Evaluation of Antimicrobial Effects of 4 Medicinal Plants against Salmonella typhimurium and Comparison Them with Common Antibiotics in Veterinary Medicine**  
T. Zahraei Salehi, M. Dakhili (Iran)

**Global Warming 1231-1234**

1231  **Variations of the Antioxidant Systems in Blood of the Lactating Dairy Cows Exposed to Solar Radiation**  
D. Pusta (Romania)

1232  **Evaluation of the Influence of Hoofcare Products on the Biogas Production by an Anaerobic Batch Test**  
X. Goossens¹, W. Ingalls¹, T. Hemling² (¹Belgium, ²United States)

1233  **Climate Change Scenarios and the Projection of Geographic Risk for Heat Stress in Hungarian Dairy Cattle**  
N. Solymosi¹, A. Maróti-Agóts¹, L. Könyves², A. Kern¹, O. Berke² (¹Hungary, ²Canada)

1234  **Global Warming Potential for Beef Meat Production at Farm Level by Medium to Large Scale Farms in Thailand**  
A. Somsiri, W. Chaya, S. Gheewala (Thailand)
<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1235</td>
<td>Adrenal Weight and Morphology in different Ages of Cow</td>
<td>A. Mohammadpour (Iran)</td>
</tr>
<tr>
<td>1236</td>
<td>Iodine Formulation to Increase Milk Yield of Indigenous Dairy Cows in Bangladesh: Therapeutic Study</td>
<td>M. Mostofa, M. Mamun, M. Rashed (Bangladesh)</td>
</tr>
<tr>
<td>1237</td>
<td>Primary Cutaneous Extragenital Canine Transmissible Venereal Tumour in a Young Spitz Dog</td>
<td>M. Saberi, H. Salari Seddigh, J. Aldavood, S. Hesaraki (Iran)</td>
</tr>
<tr>
<td>1238</td>
<td>Comparative Studies on the Distribution of Cyanide Metabolizing Enzyme Rhodanese in different Tissues of Domestic Animals</td>
<td>M. Aminlari, S. Gholami (Iran)</td>
</tr>
<tr>
<td>1239</td>
<td>Trends in Cows Exiting the Irish Cattle Population between 2003 to 2006</td>
<td>M. Good, P. Maher (Ireland)</td>
</tr>
<tr>
<td>1240</td>
<td>A Simple Treatment for Salinomycin Poisoning</td>
<td>H. Rajaian, S. Nazifi, A. Tafti, P. Parto, J. Jalaei, S. Mohtarami, A. Ghezelbash (Iran)</td>
</tr>
<tr>
<td>1241</td>
<td>Prospective for Using Nano-structured Electrochemical Biosensors for Biomedical Applications in Bovine and Ovine Species (Preliminary Note)</td>
<td>F. Estini, G. Gerardi, P. Farina, V. Ferrari, M. Merico, S. Timpano, P. Macchi, G. Pagliuca, D. Bernardini (Italy)</td>
</tr>
<tr>
<td>1242</td>
<td>Diagnostic Values of Haptoglobin and Serum Amyloid A Concentrations in Bovine Heart Diseases</td>
<td>A. Rezakhani, S. Nazifi, A. Moaddeli, M. Zariﬁ (Iran)</td>
</tr>
<tr>
<td>1243</td>
<td>Auditory Evoked Response in the Clinically Normal Cows: Middle Latency Components</td>
<td>A. Pomianowski, Z. Kuleta, M. Kwiatkowska (Poland)</td>
</tr>
<tr>
<td>1244</td>
<td>A Simplified Method of Estimation of Plasma Fibrinogen Concentration without Heat Precipitation</td>
<td>A. Roussel, J. Osterstock, A. Bouchant, E. Calzamiglia, K. Russell (United States)</td>
</tr>
<tr>
<td>1245</td>
<td>Seasonal and Regional Differences of Iodine Concentration in Raw Cow, Sheep, and Goat Milk in Slovakia</td>
<td>I. Paulikova, H. Seidel, O. Nagy, G. Kovac (Slovakia)</td>
</tr>
<tr>
<td>1247</td>
<td>Effect of Three Different Phytotherapics on Bovine Skin Wound Healing Process</td>
<td>L. Lipinski, A. Wouk, N. Lemos da Silva, D. Perotto, R. Ollhoff (Brazil)</td>
</tr>
<tr>
<td>1248</td>
<td>Selenium Profile in Blood and Hair from Cattle, Environmentally Exposed to Selenium around Isfahan Ceramic Industry, Iran</td>
<td>M. Pourjafar, H. Sateri (Iran)</td>
</tr>
<tr>
<td>1249</td>
<td>Determination of Yeast Cell Wall Carbohydrates Degradability in Rumen Fluid</td>
<td>M. Bagheri, G. Ghorbani (Iran)</td>
</tr>
<tr>
<td>1250</td>
<td>Whole Blood Viscosity and Viscoelasticity in Healthy Dairy Cows</td>
<td>C. Sandersen¹, H. Amory¹, B. Dringenberg², S. Vandeputte³, A. Sartielet³, H. Guyot¹ (¹Belgium, ²Germany)</td>
</tr>
<tr>
<td>1251</td>
<td>Reproductive Stress Syndrome in Cows and its Principle of Prevention and Treatment</td>
<td>Li. Wen, H. Yuan, J. Yi, L. Xie (China)</td>
</tr>
<tr>
<td>1252</td>
<td>Hepatocellular Carcinoma in a Cow</td>
<td>C. Del Fava, A. Cabral, G. Silva, A. Vasconcelos (Brazil)</td>
</tr>
<tr>
<td>1253</td>
<td>Phonocardiographical Investigations of Heart Murmurs in Cattle</td>
<td>A. Reisse, M. Metzner, G. Rademacher, C. Sauter-Louis, W. Klee (Germany)</td>
</tr>
<tr>
<td>1254</td>
<td>Evaluation of the Immunogenic Capacity of a Clostridium Chauvoei Recombinant Protein for Prevention of Blackleg</td>
<td>L. Ontiveros, L. Hernandez, J. Lopez, V. Tenorio (Mexico)</td>
</tr>
<tr>
<td>1255</td>
<td>Inhibition of VP1B-3 Virus for Hemagglutinant Fraction Isolated from Crotalid Venom</td>
<td>A. Alvarado, Y. León, O. De Paz, C. Gonzalez, E. Hernández, A. Aguilar (Mexico)</td>
</tr>
</tbody>
</table>
1256 Effect of Diet Supplementation with Aromatic Plants in Performance and Meat Quality of Fattening Cattle
G. Arsenos, P. Fortomaris, A. Yannakopoulos, A. Tserveni-Gousi (Greece)

1257 Latest Trends in Diagnosis of Mycoplasma Infections in Animals
B. Pal, U. Jain, M. Ul-Islam (India)

1258 Rural Market of Livestock in the State of Mexico (a Case Study)
J. Melendez G., P. Arrieta, G. Perez, J. Rivera, R. Oseda (Mexico)

1259 A Recent Outbreak of Lumpy Skin Disease among Egyptian Cattle
A. Osman, F. Salib (Egypt)

1260 The First Survey on Occurrence of Bovine Ocular Squamous Cell Carcinoma (OSCC) in Iran
M. Tooloei, J. Ashrafi, R. Asadpor (Iran)

1261 Serum Cardiac Troponin I Concentrations as a Diagnostic Aid of Pericarditis in Cattle
H. Guyot¹, A. Sartelet¹, K. Leidinger², S. Vandeputte¹, F. Rollin¹, H. Amory¹, C. Sandersen¹ (¹Belgium, ²Germany)

1262 Acidosis Ruminis of Fallow Deer (Dama Dama) in Controlling Breeding in Bosnia and Herzegovina
N. Sinanović, A. Zahirovic, E. Adilović (Bosnia and Herzegovina)

1263 Comparison of Two Reproductive Management Protocols in a Large-scale Dairy Herd in Hungary
Z. Szelényi, Cs. Bajcsy, J. Simon, O. Szenci (Hungary)

1265 Reduced Risk of BCV and BRSV Infections in Swedish Organic Dairy Herds
M. Bidokhti, M. Travén, N. Fall, U. Emanuelson, S. Alenius (Sweden)

1266 Effect of Different Treatment Protocols on Ovulation and Pregnancy Rate in Dairy Cattle
A. Répási¹, N. Melo de Sousa², J. F. Beckers², A. Bella², O. Szenci¹ (¹Hungary, ²Belgium)
Have you heard?

CYDECTIN LA gives up to 150* days worm protection from a single shot

- Helps Worm Control throughout Grazing Season
- Cleaner Pasture from Worm Challenge
- Convenient and Cost Effective

Talk to your medicine prescriber about the use of this product (or alternatives) and how it can fit into your system.

Further information is available on: www.fortdodge.eu

* Against selected parasites - Ostertagia-120 days, Haemonchus-50 days, Oesophagostomum-150 days, Trichostrongylus-90 days. Dictyocaulus-120 days, Linognathus-132 days. For full details - see data sheet. Active ingredient moxidectin. Registered trade mark.
Optional Workshops

Optional Workshop 2 – Saturday, July 5, 2008
Caesarean Section

Venue: Clinic for Large Animals, Üllő, Dóra major
Min. and max. number of participants: 20 / 20
Price: 145 Euro / person
Language: English
Departure at 08.00 from SYMA Sport and Event Centre (congress venue)

Workshop Coordinator: Dr. Iris Kolkman, Gent University, Gent, Belgium

PROGRAMME
09.00 – 10.00 Protocol of Caesarean section as performed in daily bovine practice
Iris Kolkman
10.00 – 11.00 Practical tips and tricks while doing Caesarean sections under field conditions
Iris Kolkman and Marcel Van Aert
11.00 – 11.30 Coffee break
11.30 – 12.30 Complications during and after Caesarean section and how to avoid them
Iris Kolkman
12.30 – 13.30 Lunch

Sponsored partly by Hungarian Association for Buiatrics

Optional Workshop 3 – Thursday, July 10, 2008
New Veterinary Issues on Large Dairy Farms (Enterprises)

Venue: Szent István University, Faculty of Veterinary Science
H–1078, Budapest, István u. 2.
Min. and max. number of participant: 50 / 120
Free of charge
Language: English
No transportation is provided.

Workshop Coordinator: Prof. Dr. Jos Noordhuizen123
1VACQA–International;
2Ecole Nationale Vétérinaire de Lyon, France;
3Veterinary Faculty, Gent University, Belgium

PROGRAMME
08:30 Welcome & Introduction
Jos Noordhuizen, France
Large Dairy Farms: Large dairy development and the role of the veterinarian
Jack Rodenburg, Canada
09:15 Large Dairy Farms: Large dairies can make good use of services optionally provided by all sorts of clinical veterinarians?
Jan Hulsen, The Netherlands
10.00 Large Dairy Farms: Feeding and management for the high producing large dairy herd
Frank J. Delfino, United States
10:45 Coffee break at the University canteen
11:15 Large Dairy Farms: Quality risk management on large dairy farms
Jos Noordhuizen, France
12:00 Large Dairy Farms: Communication for veterinary advisory tasks on large dairy farms
Joachim L. Kleen, United Kingdom
12:45 Closing remarks
Jos Noordhuizen, France

Sponsored by Alltech Biotechnology Ltd, Dunboyne, Sarney, Ireland
Optional Workshop 4 – Wednesday, July 9, 2008
Oestrus Detection in Cattle: How to beat the Bull

Venue: SYMA Sports- and Event Center, Building B, Classroom, First floor
Min. and max. number of participants: 40 / 120 Price: 75 Euro / person

No transportation is provided.

Workshop Coordinator: Frank van Eerdenburg, Utrecht, The Netherlands

Oestrus detection has always been a key factor for the fertility results of a farm. Advisors used to stress that watching the cows more carefully would improve the detection rate. However, in recent years it has become evident that cows do not express their oestrous behaviour as intense as reported in older studies. In this symposium oestrous behaviour and the ways to detect it in practice are presented. Furthermore, the right moment for insemination is important to get a cow pregnant. Recent studies on this subject will be presented as well. Finally, possible causes for the diminished expression will be discussed. As can be seen in the program, there is ample time for asking questions and discussion.

**PROGRAMME**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 09:00 – 09:10 | Introduction  
  *(Explanation of current problems and economic impact)*  
  - Frank van Eerdenburg, Utrecht, The Netherlands |
| 09:10 – 09:50 | Oestrous behaviour in heifers and lactating dairy cows under a pasture–based production system  
  *(A description of the behavioural expression before ovulation and the importance of the individual behavioural components in relation to their predictive value for the moment of ovulation will be presented)*  
  - Daniel Cavestany, Montevideo, Uruguay |
| 09:50 – 10:30 | Heatwatch oestrus detection system  
  *(This is an automated, radio–telemetric, mounting detection system. The system can be used to detect cows in oestrus. Furthermore, the exact time of the first mount is recorded.)*  
  - Michael Diskin, Teagask, Ireland |
| 10:30 – 11:00 | Coffee break |
| 11:30 – 12:10 | Pedometers  
  *(Pedometers record the activity of a cow automatically. The systems currently in use have difficulties with sensitivity and accuracy. However, new pedometer systems give better results and allow better timing for insemination)*  
  - Frank van Eerdenburg, Utrecht, The Netherlands |
| 12:10 – 12:50 | Right moment for insemination  
  *(The right moment to inseminate the cow after detection and the chances of getting the cow pregnant are presented.)*  
  - Judith Roelofs, Wageningen, The Netherlands |
| 12:50 – 14:30 | Lunch |
| 14:30 – 15:00 | Possible causes for the diminished expression of oestrous behaviour  
  *(New and older data will be presented that might trigger the discussion about why cows do not show their oestrous behaviour like they used to do.)*  
  - Frank van Eerdenburg, Utrecht, The Netherlands |
| 15:30 – 16:00 | Discussion and concluding remarks |

Sponsored partly by NEDAP (The Netherlands) and Holland Genetic
Optional Workshop 5 – Friday, July 11, 2008
Diagnosis and Laparoscopic Treatment of Abomasal Displacements in Dairy cows

Venue: Clinic for Large Animals, Üllő, Dóra major
Min. and max. number of participants: 20 / 30 Price: 145 Euro / person
Departure at 08.30 from SYMA Sport and Event Center (congress venue)

Workshop Coordinator: Prof. Dr. Klaus Doll, Clinic for Ruminants and Swine, University of Giessen, Germany

PROGRAMME
09:30 – 10.00 Occurrence and diagnosis of abomasal displacements in dairy cows
Klaus Doll, Clinic for Ruminants and Swine, University of Giessen, Germany
10:00 – 10:15 Introduction in the laparoscopic procedure for treatment of left and right sided abomasal displacements
Heinz Janowitz, Veterinary Practitioner, Lübbecke, Germany
10:15 – 10:30 Results of a controlled clinical trial to the laparoscopic treatment of left displaced abomasums
Torsten Seeger, Clinic for Ruminants and Swine, University of Giessen, Germany
10:30 – 11:00 Coffee break
11:00 – 11:20 Demonstration of the equipment for the laparoscopic abomasopexy
Rolf Fritz, Dr. Fritz GmbH, Tuttingen, Germany
11:20 – 12:05 Case demonstration in cow with abomasal displacement: Two–step technique (Janowitz method)
Heinz Janowitz, Torsten Seeger
12:05 – 12:15 Slide–presentation of the one–step techniques (Christiansen procedure, Barisani–procedure)
Torsten Seeger, Clinic for Ruminants and Swine, University of Giessen, Germany
12:15 – 12:35 Treatment of cows with abomasal displacement to the right / abomasal volvulus
Klaus Doll, Torsten Seeger
12:35 – 13:00 Final discussion with all presenters / speakers
13:00 – 14:30 Lunch
15:30 Arrival to Budapest

Optional Workshop 6 – Friday, July 11, 2008
Relationships between Pre-Partum and Post-Partum Energy Balance and Reproductive Activity in the Bovine

Venue: Szent István University, Faculty of Veterinary Science
H–1078, Budapest, István u. 2.
Min. and max. number of participants: 100 / 120 Price: 100 Euro / person
Language: English
No transportation is provided.

PROGRAMME
09.00 – 09.30 Welcoming participants
09.30 – 10.15 Influence of energy balance on gene expression in the liver and reproductive tract of lactating cows and consequent effects on fertility
10.15 – 11.00 The interactions between metabolism and fertility at the level of the oocyte
J. L. Leroy, A. Van Soom, G. Opsomer, Pej Bols
11.00 – 11.15 Coffee break
11.15 – 12.00 Reproductive performance and energy balance of dairy cows in seasonal pastoral management systems
J. Mee
Optional Workshops

12.00 – 12.30 Discussions and short communications
12.30 – 14.00 Lunch
14.00 – 14.45 Epidemiological approach of nutritional factors influencing dairy cow fertility during the dry and post-partum periods
   C. Ponsart, S. Freret, H. Seegers, P. Paccard, P. Humblot
14.45 – 15.30 Manipulating the dry period and regimes to minimize NEB; consequences on milk production and reproductive activity
   R. Grummer, R. Watters, M. Wiltbank, N. Silva Del Rio, P. Fricke
15.30 – 15.45 Coffee break
15.45 – 16.30 Short communications and summary
   Relationships between BCS/Metabolic aspects and reproductive activity from both beef and dairy cows in subtropical areas and or under “More difficult environmental conditions”
16.30 – 17.00 Short communications and final discussion

Sponsored partly by Hungarian Association for Buiatrics

Optional Workshop 7 – Friday, July 11, 2008
Ultrasonography in Cattle
Venue: Clinic for Large Animals, Úllő, Dóra major
Min. and max. number of participants: 20 / 30 Price: 95 Euro / person
Language: English
Departure at 08.30 from SYMA Sport and Event Center (congress venue)

Workshop Coordinator: Giovanni Gnemmi, Bovinevet, Premosello Chiavenna, Italy

PROGRAMME
09.30 Basis of ultrasound
   Ovary: the CL (CL with cavity and compact CL); the follicular dynamic (use of ultrasound for improving the CR in synchronization programmes);
   ovarian cyst degeneration
   Uterus: uterus in different stage of the cycle; metritis, endometritis, pyometra, mucometra
10:30 – 11:00 Coffee break
11:00 – 12.30 Ultrasound for pregnancy diagnosis
   Foetal gender determination
12:30 – 14:00 Lunch

Sponsored partly by BCF Technology and ECM (France)
Optional Workshop 8 – Friday, July 11, 2008
Quality Risk Management on Dairy Farms Through HACCP Applications
Venue: Szent István University, Faculty of Veterinary Science
H–1078, Budapest, István u. 2.
Morning session: Min. and max. number of participants: 50 / 90
Language: English
No transportation is provided.

Workshop Coordinator: Prof. Dr. Jos Noordhuizen\textsuperscript{1,2,3} \textsuperscript{1}VACQA–International; \textsuperscript{2}Ecole Nationale Vétérinaire de Lyon, France; \textsuperscript{3}Veterinary Faculty, Gent University, Belgium

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30</td>
<td>Welcome &amp; Introduction</td>
</tr>
<tr>
<td></td>
<td>Jos Noordhuizen, France</td>
</tr>
<tr>
<td>09:00</td>
<td>Quality Risk Management through HACCP: (concept and principles; procedures; state of the art)</td>
</tr>
<tr>
<td></td>
<td>Jos Noordhuizen, France</td>
</tr>
<tr>
<td>10:00</td>
<td>Quality Risk Management; what’s in for the practitioner (herd health programmes; SW–assessments; clinical inspection of cows and farm conditions)?</td>
</tr>
<tr>
<td></td>
<td>Joao Cannas Da Silva, Portugal</td>
</tr>
<tr>
<td>11:00 - 11:30</td>
<td>Coffee break</td>
</tr>
<tr>
<td>11:30</td>
<td>Applications of Quality Risk Management (using the VACQA website items), Case–Studies on calf rearing or claw health</td>
</tr>
<tr>
<td></td>
<td>Siert–Jan Boersema, The Netherlands</td>
</tr>
<tr>
<td>12:30</td>
<td>Lunch</td>
</tr>
</tbody>
</table>

Sponsored partly by Hungarian Association for Buiatrics

XXV. World Buiatrics Congress 97
Ketofen 10%. Because you care 110%.

These days cow comfort matters. Pain affects dairy cow welfare and performance. For instance, the reduction in milk yield associated with lameness can cost you between £80 and £400 an animal.

Ketofen 10% relieves pain and reduces inflammation, helping to speed up recovery and improve productivity. What’s more, Ketofen has a zero milk withdrawal, allowing you to treat cows at any stage of lactation.

Ketofen® 10%
BECAUSE COMFORT COUNTS
Congress Date
Sunday – Friday, July 6-11, 2008

Congress Venue
SYMA Sports- and Event Center
H-1146 Budapest, Dózsa György út 1.

Congress Website
www.xxvwbc2008.com

Official Congress Language – Translation
The official languages of the Congress will be English, French, German and Spanish. Simultaneous translation will be provided in Blue Hall, Yellow Hall, Red Hall during the official scientific sessions. In Purple Hall, Green Hall, Brown Hall simultaneous translation will NOT be provided. HEADSETS for the simultaneous translation can be picked up in the Blue Hall with a personal ID card. In case of loosing or not returning the headsets, EUR 480,- has to be paid per piece.

Registration
The Registration desk will be located at the SYMA Sports- and Event Center. (Congress Venue) Main entrance from the court of the SYMA. Participants are kindly requested to use this entrance at the first time when they visit the congress.

Registration Desk Opening Hours
Sunday, July 6, 2008 12.00-20.00
Monday, July 7, 2008 07.30-18.30
Tuesday, July 8, 2008 08.00-18.30
Wednesday, July 9, 2008 08.00-18.30
Thursday, July 10, 2008 08.00-16.00

Registration Fees (on-site)
Full registration 732 Euro (VAT incl.)
Student registration 336 Euro (VAT incl.)
Retired registration 336 Euro (VAT incl.)
Accompanying person 336 Euro (VAT incl.)
Daily ticket 180 Euro (VAT incl.)
Middle European Buiatrics Congress fee 366 Euro (VAT incl.)
Exhibitor registration fee 216 Euro (VAT incl.)

Cancellation Policy of Registration
No refund – in case of cancellation, received after May 25, 2008
All refunds will be processed after the WBC 2008 Congress upon receiving your exact bank account details in written form.
The full, student, retired registration fees includes
- Access to all congress sessions and commercial exhibition
- Delegate bag with Final Programme
- Abstracts (CD-Rom version)
- Attendance at the Opening Ceremony and Welcome Reception
- Coffee and Tea (during breaks)
- Lunches
- Free public transportation in Budapest (the congress badge = transportation pass)

The fee for accompanying person includes
- Attendance at the Opening Ceremony and Welcome Reception
- Coffee and Tea (during breaks)
- Lunches
- Half-day Sightseeing tour in Budapest (July 7 or 8 or 9)
- Free public transportation in Budapest (the congress badge = transportation pass)

Daily ticket includes
- Access to all congress sessions and commercial exhibition on the chosen day
- Final Programme
- Abstracts (CD-Rom version)
- Coffee and Tea on the chosen day (during breaks)
- Lunch on the chosen day

Exhibitor registration fee includes
- Access to commercial exhibition
- Attendance at the Opening Ceremony and Welcome Reception
- Coffee and Tea (during breaks)
- Lunches
- Free public transportation in Budapest (the congress badge = transportation pass)

Middle European Buiatrics Congress fee includes
(Albania, Belarus, Bosnia, Bulgaria, Croatia, Czech Republic, Estonia, Latvia, Lithuania, Macedonia, Moldova, Montenegro, Poland, Romania, Serbia, Slovakia, Slovenia, Ukraine)
- Access to the congress sessions and commercial exhibition on Wednesday, July 9 and Thursday, July 10
- Delegate bag with Final Programme
- Abstracts (CD-Rom version)
- Coffee and Tea (during breaks) on the given days
- Lunches on the given days
- Free public transportation in Budapest on July 9 and 10 (the congress badge = transportation pass)

Commercial Exhibition
The exhibition will be open in the White Hall:
Monday – Wednesday, July 7-9  08.30-17.30,
Thursday, July 10  08.30-18.30
Delegates will have the opportunity to meet representatives from a number of publishers, pharmaceutical and diagnostic equipment companies at their stands to discuss new developments and receive up-to-date product information.
Badges
Each participant will receive a name badge upon registration. For security reasons all participants are kindly requested to wear their badges during the congress and the official social events. Badges are replacing the tickets for the Opening Ceremony and Welcome Reception. Congress badges are also valid as Budapest Public Transportation Pass during the congress period free of charge (July 6-10., 5 days) except Middle European Buiatrics Congress (2 days). You can use all means of Public Transportation within the border of Budapest (bus, tram, metro, trolley bus).

Internet
Internet access is available during the exhibition opening hours free of charge at the exhibition area in White Hall.

WiFi Service
SYMA Sports- and Event Center (congress venue) provide WiFi internet access free of charge.

Meals
Tea and coffee will be available during the breaks. Buffet lunches are included in the registration fee.

Dress Code
Casual dress is recommended during the Congress. Dark or evening suit for men, evening or cocktail dress for the ladies for the Gala Dinner, and casual dress during the tours.

Cloakroom
There is a manned cloakroom available at the venue and operating during the Congress hours free of charge.

Bags
Please do not put personal belongings (money, credit and ID cards, mobile phones) in the congress bags, since thousands of the same bags will be around the congress venue, and they could be exchanged. In case you leave any valuables in the bag, please mark your name and contact details clearly on it.

Mobile Phones
Please respect the speakers and presenters by ensuring your mobile phone is switched off at all time during the scientific sessions.

Smoking Policy
The SYMA Sports- and Event Center is a non-smoking venue. Smoking is permitted at designated areas outside of the building.
Currency
The Forint (HUF), the official national currency, is convertible. The exchange rates applied in Budapest banks, official exchange offices and hotels may vary. All the major credit cards (VISA, EC/MC, American Express, Diners) are accepted in Hungary in places displaying the emblem at the entrance.
The exchange rate: 1 EUR = between 240-250 HUF (in June 2008)

Tipping
There are no hard rules for tipping in Hungary. If you are satisfied with the service, a 10% tip is customary particularly in a taxi, restaurant or café with table service.

Public Transportation
Participants can use all public transportation in Budapest wearing their badges during the congress period (July 6-10., 5 days), for the participants of the Middle European Buiatrics Congress (2 days) free of charge. Please show Your congress badge to the controllers if requested. In any case you receive a penalty, please ask for a receipt and contact the registration staff.

Official Transfers
Congress Organisers provide bus transfers:
On Monday, July 6, from 18.15 till 20.00 to the Opening Ceremony and Welcome Reception from SYMA Sports- and Event Center (the congress venue, Registration) to the Palace of Arts. After the Welcome Reception from Palace of Arts back to the Official Congress Hotels (see list and the MAP) at 22.00; 22.30 and 23.00
On Thursday, July 10 from 22.00 in every 30 minutes from the Gala Dinner (Hungarian National Gallery) back to the Official Congress Hotels.

Taxi
To avoid any inconveniences please use the WBC 2008 official taxi company:
City Taxi: +36 1 211 1111 and refer to the special code: 3333
During the congress opening hours on-site dispatcher service is held near the Registration Desk and also at the sites of the official Social Events. (Your taxi coupon, which will give you special discounted rate, can be found in your Congress badge.)

Parking
Free parking lots (open air) are available at the congress venue.

Safety
Although Hungary is a largely safe country, we kindly draw into your attention to take care of your properties.

First Aid
By any health problem, please contact the Registration Desk.

Insurance
The registration fee does not include provision of any insurance.

Climate
The climate of Budapest is continental. In July usually nice warm weather can be expected with a max. temperature of 25-33 °C, while the lowest temperature during the night ranging between 18-23 °C. Rain is not usual in this season.
Stores and Shopping
The opening hours of Budapest stores are generally 10.00-18.00 on weekdays and 10.00-13.00 on Saturday. The shopping centres are open from 10.00-21.00 from Monday to Saturday and from 10.00-18.00 on Sunday.

Disclaimer
The Organisers accept no liability for injuries/losses of whatever nature incurred by participants and/or accompanying persons, or loss or damage to their luggage and/or personal belongings.

Official Congress Hotels

New York Palace Boscolo*****
Intercontinental Hotel Budapest*****
Kempinski Hotel Corvinus Budapest*****
Sofitel Budapest*****
Westend Hilton*****
Danubius Hotel Astoria****
Best Western Hotel Hungária****
Mercure Budapest Korona****
Mercure Budapest Metropol****
Mercure Budapest Nemzeti****
IBIS Budapest Heroes Square***
City Hotel Mátvás***
Hotel Erzsébet***
Domina Inn Fiesta Hotel***
IBIS Budapest Emke***
Hotel Stadion***
Richter Hotel & Panzió***
Veritas Hotel***
Hotel Unio***
Hotel Zugló***
Benczúr Hotel***
*ELTE Youth Hostel

VII. District, Erzsébet krt. 9-11.
V. District, Apáczai Csere János u. 12-14.
V. District, Erzsébet tér 7-8.
V. District, Roosevelt tér 2.
VI. District, Váci út 1-3.
V. District, Kossuth Lajos u. 19-21.
VII. District, Rákóczi út 90.
V. District, Kecskeméti u. 14.
VII. District, Rákóczi út 58.
VIII. District, József krt. 4.
XIII. District, Dózsa György út 65.
V. District, Március 15. tér 7-8
V. District, Károlyi M. u. 11-15
VI. District, Király u. 20.
VII. District, Akácsa u. 1-3.
XIV. District, Ifjúság útja 1-3.
XIV. District, Thököly út 111.
XIV. District, Mogyoródi út 8.
XIV. District, Mogyoródi út 8.
XIV. District, Nagy Lajos kir. útja 202-204.
VI. District, Benczúr u. 35.
XIV. District, Ajtósí Dürer sor 23.
A laboratory dedicated to animal health

Founded in 1968 by a French veterinarian, Virbac is the first independent laboratory worldwide, exclusively dedicated to animal health. Commercially present in more than 100 countries, the company develops, makes and distributes the widest range of products and services intended for the prevention and treatment of the main pathologies in companion and food producing animals.

www.virbac.com
Social and Optional Programmes and Tours

Social Programme

Opening Ceremony and Welcome Reception
Sunday, July 6, 19.00-22.00 – Venue: Palace of Arts, IX. Komor Marcell str. 1.
Departure to the Opening Ceremony at 18.15 from SYMA Sports- and Event Center (Congress Venue) by bus or individually.
Back to the official congress hotels shuttle bus transfer will be provided: at 22.00, 22.30, 23.00

Programme:
19.00-19.15 Organ Introduction - János Pálúr
Louis Vierne 1870-1937: Bell of the Westminster Op. 54

19.15-19.45 Opening remarks
MERIAL-Gustav Rosenberger Memorial Award will be presented to N. Khraim

19.45-20.45 The Honvéd Dance Company: Csárdás! – The tango of the East
Cast: Boy: Dezső Fitos  Composer: László Kelemen
Girl: Éva Gömöri  Rival: Attila Tompa
Choreographer and director: Zoltán Zsuráfszki, (Harangozó-Prize, Artist of Merit)  Master of Ceremonies: Csaba Taba
Leading violinist: István Gázza Papp
The performance is about an ageless story. It could even be about today’s people as it is based on the conflicts of the eternal triangle. The theme is built, of course, around authentic Hungarian, and minority (Gypsy, Polish, Slovakian, Romanian, etc.) dances and the show becomes complete by the end of the second part. Its sub-title could be: “Love under the Carpathians.”
While enjoying the interesting, exciting and enchanting storyline participants can also take pleasure in the wonderful and virtuoso interpretation of the multicolored Hungarian, Transylvanian and Upper-Hungarian dances.

20.45 – 22.00 Reception

Optional Social Programme

Gala Dinner in the Hungarian National Gallery
Thursday, July 10, 20.00-24.00
Venue: Budavári Palota, Szent György tér 2., Building C main entrance from the Danube side
Transportation to the Gala Dinner shall be organised individually.
Back to the official congress hotels: shuttle bus transfer will be provided from 22.00 in every 30 minutes

How to get there:
From Moszkva square (METRO Line 2) by the Castle bus-number 10, get off at the Hungarian National Gallery and a short walk
From the Deák square  (METRO Line 1, 2, 3) bus number 16, get off at Szent György tér and a short walk
From the Buda side of the Chain Bridge by the Funicular
Price: 60 Euro / person - The Gala Dinner is partly sponsored by the Hungarian Association for Buiatrics and this price only available for registered participants and registered accompanying persons.
Price: 90 Euro / person - without registration

The highlight of the XXV. Jubilee World Buiatric Congress is the Gala Dinner which will be held at the Hungarian National Gallery in the former Royal Palace on Thursday evening.
Coupling with a glass of champagne you can enjoy the breathtaking city panorama from the Palace's terraces.
The castle district has exceptional history and atmosphere, which is heighten by the beautiful lightning of the buildings. The dinner will take place in the Central Building of the Hungarian National Gallery between the most famous collection of the Hungarian paintings. An elegant four course menu is escorted with good Hungarian wines and evergreen dance music until dawn.
Make sure to reserve your places to this unforgettable evening in time, as there are limited numbers of places are still available.
Optional Programmes and Tours

Traditional Hungarian Dinner at Lázár Equestrian Park
Tuesday, July 8, 19.00-23.00
Price: 70 Euro / person

The equestrian park was established in the very heart of the Gödöllő Hills by the world champion of carriage riding Lázár brothers. The Park is situated 35 km from Budapest in the picturesque Domonyvölgy. Take a walk in the Hungarian village yard where the guests can become familiar with ancient Hungarian domestic livestock breeds. (grey cattle, long-wooled sheep, mangalica pig, the puli dog.) We would like to invite you to taste our Hungarian cuisine, wine and enjoy our tradition. The programme includes an equestrian show, dinner with folk and gipsy music. Bus transportation is provided.

Departure: at 19.00 from SYMA Sports- and Event Center (Congress Venue)

Evening Danube Cruise and Party
Wednesday, July 9, 20.00-22.00
Price: 60 Euro / person

Evening sightseeing-tour on the River Danube. Welcome-drink and a light dinner will be served on the old timer Széchenyi Boat. During the tour a Hungarian jazz band plays evergreens. The boat is cruising from Margaret bridge to the National Theatre and the Palace of Arts, and you can enjoy the fascinating sight of the illuminated Budapest.

Departure: at 20.00 from Vígadó Square (downtown - port)
Transportation to the cruise shall be organised individually.

Sightseeing Tour in Budapest
Monday, July 7, 09.00-13.00 (incl. visit of Parliament)
Tuesday, July 8, 09.00-13.00 (incl. visit of Opera House)
Wednesday, July 9, 09.00-13.00 (incl. visit of Opera House)
Price: 25 Euro / person
For accompanying persons: including in the registration fee

An approximately 4-hour long sightseeing tour, which shows the most attractive features of the capital. The participants can take the opportunity also to visit the impressive Hungarian House of Parliament where the Coronation Regalia can be seen or the Hungarian State Opera House. Transportation by bus, with English-speaking guide, refreshment and all entrance fees are included.

Departure: at 09.00 from SYMA Sports- and Event Center (Congress Venue)
Optional Programmes and Tours

The Jewish Sights of Budapest
Tuesday, July 8, 09.30-13.30
Price: 30 Euro / person

A 3-hour long walking tour in the world’s second largest Synagogue and its surrounding including an inside visit of the Synagogue complex (Jewish Museum, ghetto and World War II area history). The Synagogue and the nearby Jewish quarter have a very rich history. By the end of the 18th century the Jewish people were allowed to leave the Buda side of the city and they create this area known as the Jewish quarter of Budapest on the Pest side.
Transportation by bus, English-speaking guide, entrance fees and refreshment are included.
Departure: at 09.30 from SYMA Sport and Event Center (Congress Venue)

Danube Bend Tour
Wednesday, July 9, 09.30-16.00
Price: 70 Euro / person

The whole day programme includes visiting Esztergom, the birthplace of the first Hungarian King and the residence of the Hungarian Cardinal Archbishop (Basilica, Treasury). Afterwards a short walk at the picturesque Visegrád, which was also the seat of the Hungarian Kings, exploring the ruins of the old Royal Palace and the medieval fortress. Lunch will be served at the Renaissance Restaurant, which offers unique atmosphere and good cuisine. On the way back we stop at Szentendre, the colorful artists settlement.
Transportation by bus, English-speaking guide, entrance fees and lunch are included.
Departure: at 09.30 from SYMA Sports- and Event Center (Congress Venue)

Budapest Art Tour
Thursday, July 10, 09.30-13.00
Price: 30 Euro / person

A half-day visit to the Hungarian National Gallery and the Museum of Fine Arts (Gallery of Old Masters: Spanish Collection, Renaissance and Venetian).
Transportation by bus, English-speaking guide, entrance fees and refreshment are included.
Departure: at 09.30 from SYMA Sports- and Event Center (Congress Venue)
Pre-Congress Tours

**Lake Balaton**

**Saturday-Sunday, July 5-6.**

*Price: 240 € / person, single supplement: 40 €*

Excursion along the north part of Lake Balaton. First programme is a visit to the more than 150 years old Herend Porcelain Manufacture. Visitors can discover how the bulky bats of paste are turned into the most delicate porcelain. Across the attractive courtyard – Porcelanium Square – is the Herend Porcelain Museum, a treasure trove of priceless porcelain pieces. In the afternoon excursion to the Lake Balaton which is called as the “Hungarian See”. It is the largest sweetwater lake in Central Europe and is very famous for its wine also. Accommodation at Balatonfüred, on the shore of the lake, is included. Dinner and wine tasting will be offered at a traditional Hungarian Csárda.

On the second day there will be a walk at Balatonfüred, which is a historical Hungarian holiday resort. Afterwards excursion to peninsula Tihany, its Abbey was founded nearly 1000 years ago. Standing near the Abbey the visitors can admire the beautiful landscape of the entire Lake Balaton.

Transportation by bus, English-speaking guide, entrance fees, half-board and 1 night accommodation in double room are included.

*Departure: at July 5, 08.30 from the official congress hotels*

---

**Budapest -> Vienna -> Bratislava -> Prague**

**Thursday-Sunday, July 3-6.**

*Price: 610 € / person, single supplement: 150 €*

Take the advantage of this wonderful opportunity to explore and visit the most beautiful capitals of Central Europe, Budapest, Vienna, Bratislava and Prague in a 4-day tour while you will be coming for the WBC 2008 Congress. Experience the elegance of Central Europe through the rich history sites, beautiful countryside, and local entertainment and cuisine of the different capitals.

In Vienna (Wien) you will experience and admire the imperial architecture, visit the places that influenced some of the most famous classical musicians and taste the Austrian cuisine, while in Bratislava you will explore on foot the narrow streets, cosy squares and courtyard in the old town and enjoy a panoramic view of the city from the castle. In Prague (Praha), you will enjoy 1000-year history of the medieval centre, the old town square, jewish quarter, a walk through one of the first stone bridge in Europe and the Prague castle. A long night visit to the brasseries of Prague is also planned.

Transportation by bus, English-speaking guide, entrance fees, half-board and 3 nights accommodation in double room are included.

*Departure: at July 3, 07.30 from the official congress hotels*
Post-Congress Tours

Excursion to Hortobágy National Park
Friday, July 11, 07.00 – late night
Price: 130 Euro / person

Hortobágy is the largest continuous natural grassland in Europe, which means that it was not formed as a result of deforestation or river control. The first Hungarian national park (established in 1973) is the country’s largest protected area (82 thousand hectares). The tour will start with a visit to the grey cattle and other ruminants. This will be followed by lunch.

Departure: at 07.00 from SYMA Sports- and Event Center (Congress Venue)

Excursion to Cattle-Breeding Farm of Enying Agricultural Co.
Friday, July 11, 09.00-16.00
Price: 60 Euro / person

The Cattle breeding farm of Enying Agricultural Co. is one of the biggest dairy farms all over Hungary having nearly 4000 dairy cattle. Two-thousand Holstein-Friesian high producing cows are kept at Kicséripuszta dairy farm (intended to visit) producing 9000 kg of milk/cow yearly. The herd is free from tuberculosis, brucellosis, leucosis and no leptospirosis occurs. The Hungarian dairy farms are working in a closed system therefore visitors can only use special areas which make possible to have an overview on the farm. The stuff of the farm is in close collaboration with the Faculty of Veterinary Science.

The tour includes a Hungarian lunch in a traditional “Csárda”.

Departure: at 09.00 from the official congress hotels

Cancellation Policy of the Social and Optional Programmes and Tours

All the cancellations and changes must be sent to the Congress Organiser (Blaguss Congress Bureau) in written form.

- No refund - in case of cancellation received, after June 6, 2008.
- Changes of programmes and tours are available only upon availability.
- All refunds will be processed after the WBC 2008 Congress upon receiving your exact bank account details in written form.
Exhibitor/Sponsor Profile

S.A.E. Afikim
S.A.E. Afikim was founded in the early 70’s and was a pioneer in introducing electronics into the milking parlor. Since then S.A.E. Afikim is committed to develop manufacture and market computerized dairy management systems. The brand name afimilk consists of milk meters, individual cow identification, pedometers, management and analysis software.

Animedica Group
Animedica Group is a group of companies from different European countries, namely Germany, Poland, Switzerland, which are specialized in veterinary products. Develop, register, manufacture and distribute own and licensed pharmaceutical products, as well as feed supplements. Among others, our most appreciated cattle products are Calcitat® (Calcium infusion and injection solutions) and Genestran® (newest PGF2α hormone). Thanks to our strong partners’ network, we are proud to provide our high quality products internationally to support veterinarians in their daily work.

Dr. Bata Ltd.
The Dr. Bata Ltd. was established in 1987 by group of specialist in chemistry and bioengineering with the aim to produce feed additives by using fermentation process. The development of the Dr. Bata Ltd. and improvement of its products necessitated both introduction new production technologies and capital investments. Therefore in 1990 the company was subjected to reorganization and since that time it has run as Hungarian Canadian Company for Research and Development. Due to its evenly successful production and marketing activity, the company is now regarded and respected as a medium size enterprise in the Middle-European region. The activity profile of the company includes: generation, manufacturing and marketing, innovative products for animal nutrition and health. The staff comprising of biochemists, veterinarians, microbiologists, engineers and animal science specialist is able and prepared to implement the newest achievements of science in the practice and to produce of high quality products.

Bayer HealthCare
Animal Health Division
With sales of EUR 956 million (2007), the division is one of the world’s leading research based suppliers of veterinary solutions, ranked number four internationally. Bayer Animal Health manufactures and markets approximately 100 different veterinary products (drugs and care products for food-supplying) for livestock and companion animals. Important Food Animal Products: Baytril®, Baycox® and Catosal®.

Bio-X Diagnostics
“Your partner in Veterinary Diagnostics”
Bio-X Diagnostics, ISO 9001:2000 certified and active member of EMVD, is developing diagnostic reagents for diseases affecting production animals. Thanks to the multipathogen tests that Bio-X Diagnostics has developed, a single sample can be tested for several pathogens at once. To assure a very quick and accurate diagnosis in the field, Bio-X Diagnostics has developed immunochromatography strip test kits, allowing to make diagnosis in a matter of minutes without using any sophisticated equipment.

Boehringer Ingelheim
Boehringer Ingelheim is one of the world’s fastest growing animal health companies. Founded on innovation as the key driver, the company is actively developing and marketing needs-based products in the markets for vaccines, pharmaceuticals and nutraceuticals. With a focus on inflammation, reproduction and respiratory disease in general, and on metabolic disorders and mastitis specifically in dairy, Boehringer Ingelheim continues to be a global supplier of solutions in prevention and therapy to the cattle industry.

Central European Veterinary Centre
Our aim is to offer a more complete service to the vets from Hungary and the nearby countries with:
1. Distribution of Medicaments;
2. Instrument-Equipments;
3. Professional counsellings;
4. Professional trainings;
5. Literatures;
6. Pet shop;
7. Exhibition Room;
In the Central European Region we can provide the nearby countries with a delivery of 24-48 hours. We have subsidiary companies in Hungary, Romania and Serbia.
Ceva Sante Animale
“Expertise, Innovation, Services, Trust...”
These four words define the know-how and ambitions of Ceva Sante Animale, the world’s 10th biggest veterinary pharmaceutical laboratory. The Ceva group designs, develops, registers, manufactures and markets veterinary medicines and animal nutrition and hygiene product all over the world. With average growth in turnover of over 12% a year since it first changed shareholders in November 1999 and more than 40 sites around the world, Ceva Sante Animale has demonstrated its dynamic spirit and outstanding performance.

Chevita Ltd.
Chevita Ltd. was founded in 1968 in Pfaffenhofen, Germany. Since its foundation our company has successfully made an international name for itself by focusing on certain specialist areas. We manufacture in compliance with the internationally valid standards of GMP and GMP+. Chevita Ltd. has gained worldwide reputation in the development of probiotics and products for particular dietetic purposes. Some of our products are among the leaders in their markets, such as Boviferm® Plus or Biocolos® B.

DeLaval
“Passion, Professionalism and Partnership”
DeLaval is the world’s largest developer, manufacturer, and provider of dairy farming solutions. Whenever dairy farmers have a need they should think first of DeLaval. We aim to always be there, always available, always working on their behalf. DeLaval is represented globally and is active in more than 115 different countries. DeLaval currently has 4500 passionate employees. Together with the Tetra Laval group DeLaval owns one of the most well known brands in the world.

Draminski
Draminski is a manufacturer of electronic devices for veterinary and agriculture.
We produce: ultrasound devices, detectors of mastitis, detectors of pregnancy, detectors of estrous, moisture meters of seeds, hay and straw.

DSM Nutritional Products
DSM Nutritional Products in the world’s leading supplier of vitamins, carotinoids and eubiotics for the Animal Nutrition & Health Industry, with a comprehensive range of value-added, branded product forms enabling efficient feed and food production. It has a unique and extensive network of dedicated premixture facilities world-wide. DSM Nutritional Products has its headquarters in Switzerland. DSM Nutritional Products adds value to the food chain through the provision of innovative solutions based on safety, traceability and quality, benefiting our customers, the consumer, the environment and animal welfare.

FATRO
FATRO is an Italian pharmaceutical company founded in 1947, operating exclusively in the veterinary sector. For FATRO, the most important instruments in attaining its objectives are research, continual innovation and its human resources. FATRO, as encapsulated in its mission statement “animal health your health”, directs its research and innovation at improvements in the health of man and animals, with the utmost respect for animal welfare and the safeguarding of the environment. FATRO markets products in over 80 countries in the world, either directly through its own affiliates or indirectly through distributors.

Finnzymes Diagnostics
Finnzymes Diagnostics develops reagent kits to customers in the microbial and veterinary-diagnostic research fields. Finnzymes Diagnostics is a sister company of Finnzymes Oy (founded in 1986), focusing on development of molecular biology reagents, instrumentation and reaction vessels for PCR-based applications. The products of Finnzymes Diagnostics are based on amplification of DNA using PCR or Real-Time PCR technologies. Our most recent product release, the PathoProof Mastitis PCR Assay, is a breakthrough in fast, sensitive, specific and robust bovine mastitis diagnostics.

Fort Dodge Animal Health
Fort Dodge Animal Health is a leading manufacturer and distributor of prescription and over-the-counter animal health care products for the livestock, companion animal, equine, swine and poultry industries in the global market. Fort Dodge has numerous registrations for biologicals and pharmaceuticals, as well as several unique products in the development pipeline. Key livestock products are known under trademarks as Cydectin (internal and external parasite control in ruminants), Triangle, Pyramid and Zulvac (ruminant biologicals), Suvaxyn (swine biologicals) and Poulvac (poultry biologicals).
Forum Products
Forum Products launches its new improved long-acting footbath, Kling-on Blue. More concentrated, this patented formulation uniquely coats the feet and stays on them, so footbathing can be reduced to once a week to improve cows’ feet condition then once a fortnight to maintain it. Sheep do not need to be held in the footbath. Thank to the “cling-on action”, the frequency of use is lower than with conventional footbaths. Therefore, there is 77% less copper sulphate to dispose of. Saving farmers time and trouble.

HIPRA
HIPRA is company dedicated to research, production and marketing of animal health products, especially Biologicals and Pharmacologicals. Our headquarters are located in Spain and we have a worldwide network of subsidiaries and representatives. HIPRA has more than 50 years of experience in the animal health industry, with strong values such as commitment, enthusiasm and team work. We are currently immersed in an ambitious international development process. Our portfolio is made up of highly innovative products for swine, poultry, cattle, sheep, goats, rabbits and fish.

Intervet/Schering-Plough Animal Health
Intervet/Schering-Plough Animal Health is focused on the research, development, manufacturing and marketing of animal health products. Building on a wide base of innovative, high quality veterinary products, the Animal Health company unit represents one of the world’s leaders in the field of animal health and the world market leader in animal health vaccines. Intervet/Schering-Plough Animal Health has offices in more than 50 countries and markets its products in over 140 countries. On a combined basis, we operate 28 Animal Health manufacturing sites and 22 Research & Development sites around the world.

Karl Storz
Karl Storz is a renowned manufacturer that is well established in all fields of endoscopy and can be considered as market leader in rigid endoscopy. The still family held company was founded in 1945 in Tuttlingen, Germany, and has grown to one with a worldwide presence and 4000 employees. Karl Storz offers a range of both rigid and flexible endoscopes for a broad variety of applications. Today’s product range also includes fully integrated concepts for the OR and servicing.

Merial
Merial is a world-leading, innovation-driven animal health company, providing a comprehensive range of products to enhance the health, well-being and performance of a wide range of animals. Merial employs more than 5,400 people and operates in more than 150 countries worldwide. Its 2007 sales were nearly $2.5 billion. Merial Limited is a joint venture between Merck & Co., Inc. and Sanofi-Aventis. For more information, please see www.merial.com

Norbrook Laboratories Ltd.
Since its foundation in 1969, Norbrook Laboratories has grown to be a leading company in the pharmaceutical industry. With world class facilities, which are licensed by major governmental regulatory authorities worldwide, Norbrook manufactures a comprehensive range of own-brand products, contract manufactured products and exports to over 110 countries. Moving forward the global human and veterinary pharmacinals industries face a more competitive market coupled with a more demanding regulatory environment. Norbrook is meeting these challenges through continuous investment in manufacturing, quality control, environmental protection facilities and Research and Development who provide the company with a steady stream of new products, all supported by a highly skilled and motivated work force.

Novartis Animal Health
We focus on the well-being of companion animals and the health and productivity of farm animals. Our extensive product range provides solutions for the prevention and treatment of various widespread animal diseases and parasite infestations. Headquartered in Basel, Switzerland, and present in almost 40 countries, Novartis Animal Health employs approximately 2,700 associates worldwide.

Michael Born
Novartis Animal Health Inc.
Marketing Operations
Schwarzwaldallee 215
4058 Basel
Switzerland
Phone: +41 61 697 73 88
Fax: +41 61 697 67 88
Email: michael.born@novartis.com
**Pfizer Animal Health**

Pfizer Animal Health, leader in animal health industry is committed to providing high-quality, innovative medicines and services for livestock. The company’s product range includes the unique and highly successful Draxxin, Excenel, A180, Orbeseal, Rimadyl, and vaccines for respiratory and reproduction (Rispoval, Spirovac, Pregsure). New to the portfolio is CIDR, a progesterone device designed to improve reproductive performance and raise conception rates within herds.

Join the Pfizer Symposium in the Blue Hall on Tuesday, July 9th at 17.00hrs, to find out more about CIDR.

**UNIFORM-Agri**

UNIFORM-Agri has a history of 25 years in the dairy herd software, based in the Netherlands, right between one of the highest producing national herds in the world. A staff of over 30 highly educated and motivated people who combine the knowledge of dairy farming with modern IT skills is the backbone of the company.

UNIFORM-Agri is well known for its capacity to join forces with other organisations (milking machine, veterinarians, feed and breeding organisations). Over 6000 individual dairy farmers in over 25 countries (> 20 languages) are using this modern Windows software program on a daily basis.

**Virbac**

Founded in 1968 by a French veterinarian, Virbac is the first independent laboratory worldwide, exclusively dedicated to animal health. Present in more than 100 countries, the company develops, makes and distributes the widest range of products and services intended for the prevention and treatment of the main pathologies in companion and food producing animals.

**Wageningen Academic Publishers**

Wageningen Academic Publishers is a publishing company in the field of life sciences. Visit our digital bookshop (www.wageningenacademic.com/bookshop) for an overview of all our titles. Tables of contents of all recently published books can be downloaded. We are always looking for new authors and manuscripts to further develop our list. So, if you have an idea for a new book, or you are organising a conference and looking for a publisher, we look forward to hearing from you (info@wageningenacademic.com).

**WestfaliaSurge**

From milk harvesting and milk cooling equipment to computer supported management, WestfaliaSurge offers a comprehensive product range for professional, high-quality milk production. This also includes professional advice and service to enhance your success: The ProFormance, ProMilk and ProDairySupplies products and services support dairy businesses worldwide in the quest for the best milk quality from your system. ProMilk stands for WestfaliaSurge’s hygiene competence. We offer structured hygiene systems using an extensive product range for the animal, installation and farm hygiene.

Visit us – Stand 28!
PRID®
Nothing replaces experience
1 SYMA Sport- and Event Center (Congress Venue)
2 Palace of Arts
3 Gala Dinner
4 New York Palace Boscolo*****
5 Intercontinental Hotel Budapest*****
6 Kempinski Hotel Corvinus Budapest*****
7 Sofitel Budapest*****
8 Westend Hilton*****
9 Danubius Hotel Astoria*****
10 Best Western Hotel Hungária****
11 Mercure Budapest Korona****
12 Mercure Budapest Metropol*****
13 Mercure Budapest Nemzeti*****
14 Novotel Budapest Centrum****
15 IBIS Budapest Heroes Square***
16 City Hotel Mátyás***
17 Hotel Erzsébet***
18 Domina Inn Fiesta Hotel***
19 Ibis Budapest Emke***
20 Hotel Stadion***
21 Richter Hotel & Panzió***
22 Veritas Hotel***
23 Hotel Unio***
24 Hotel Zugló***
25 Hotel Benczúr***
26 ELTE Youth Hostel
Hungarian Association for Buiatrics
István Str. 2, H-1078 Budapest, Hungary
Phone: +36 29 521 301 • Fax: 36 1 383 5247
E-mail: szenci.otto@aotk.szie.hu
Website: www.xxvwbc2008.com

Blaguss Ltd. Congress Bureau
POB 42., H-1364 Budapest 4., Hungary
Phone: + 36 1 374 7030 • Fax: + 36 1 312 1582
E-mail: wbc2008@blaguss-congress.hu
Website: www.xxvwbc2008.com