Poster Sessions and Research Summaries
42nd Annual Conference of the
American Association of Bovine Practitioners

AABP POSTER SESSION

Thursday, September 10 (from 12:00 pm) and Friday, September 11 (until 4:00 pm)
Presenters will be available for questions 12:00-1:00 pm Friday, September 11

#01 Beet Pulp- A Solution for Reducing Fat Cows’ Body Condition Scores (BCS) Ehsan Mahjoubi

#02 Effect of Energy and Protein Density in the Diet and Milking Frequency on Milk Production in Early Lactating Dairy Cows Ehsan Mahjoubi

#03 Effects of Feeding Xylose-treated Soybean Meal and Parity on Performance of Dairy Cows in Early Lactation Meghdad Jahani Moghadam

#04 Automated Detection of Lameness in Dairy Cows Using Measurements of Weight Distribution Nuria Chapinal

#05 Passive Immunity to a Commercial E. coli-SRP® Vaccine in Beef Cattle Colostrum from Cows Grazing Native Range Ben Wileman

#06 Assessing and Predicting Feedlot Mortality and Culling Using Standard Feedlot Arrival Data Abram Babcock

#07 Fatty Acid Profiles and Eicosanoid Biosynthesis in Transition Dairy Cows G. Andres Contreras

#08 Evaluation of Thoracic Ultrasonography as a Diagnostic and Prognostic Tool for Early Bovine Respiratory Disease of Feedlot Calves in Western Canada Sherry Hannon

#09 Effects of Feeding OmniGen-AF on Phagocytic Ability of Neutrophils Isolated from Dairy Cattle, Rats and Mice Angela Rowson

#10 Examination of the Use of Intrauterine or Systemic Antimicrobial Therapy to Prevent Puerperal Metritis in Dairy Cows with Dystocia Juan Pinos-Rodriguez

#11 Beyond Perception: Assessing Reproductive Modules within a Continuing Education Program for Dairy Veterinarians Gustavo Schuenemann

#12 Flunixin Meglumine Residues and Injection Site Damage…a Serious Problem That Needs Our Profession’s Attention Dee Griffin

AABP RESEARCH SUMMARIES
(* Presentation is part of the Graduate Student Competition)

RESEARCH SUMMARIES 1
Thursday, September 10 1:30-5:30 pm
Moderators: Dan Givens and Terry Lehenbauer

1:30-1:45 pm Outcome on Calves with Diarrhea Fed Oral Electrolyte in the Milk Compared to an Oral Electrolyte Fed Separately in Water Greg Goodell

1:45-2:00 pm Effect of Oral Flunixin Meglumine on Heart Rate, Physical Activity, and Salivary Cortisol Concentration following Cautery Disbudding of Dairy Calves Dawn Morin

2:00-2:15 pm Effect of Nutritional Plane on Health and Performance in Dairy Calves after Experimental Infection with Cryptosporidium parvum Theresa Ollivett

2:15-2:30 pm Lameness in Dairy Cattle: A Debilitating Disease or a Disease of Debilitated Cattle? A Cross-sectional Study of Lameness Prevalence and Thickness of the Digital Cushion Luciano Caixeta
RESEARCH SUMMARIES 2
Friday, September 11  8:00 am-12:00 pm
Moderators: Jared Taylor and Terry Lehenbauer

8:00-8:15 am  Determining the Prevalence of Bovine Viral Diarrhea Virus Persistently Infected Calves Originating from a Number of Modern Western Well-vaccinated Dairy Herds
Thomas Shelton

8:15-8:30 am  The Association of Level Milk Production with Reproductive Performance in Dairy Cattle
Stephen LeBlanc

8:30-8:45 am  Evaluation of 14 Western Dairy Herds Using FirstStep™: A Novel Tool to Troubleshoot and Prevent Lameness in Dairy Herds
Jeffrey DeFrain

8:45-9:00 am  Dairy Beef Quality Assurance: Do Reproductive Hormone Injections in Dairy Cows Cause Significant Edible Tissue Damage?  Sarah Wagner

*9:00-9:15 am  Johne’s Disease Control in Ontario and Western Canada
Ulrike Sorge

*9:15-9:30 am  Preliminary Results on the Effect of Feeding Heat-treated Colostrum on Health and Growth in Pre-weaned Dairy Calves
Mary Donahue

*9:30-9:45 am  Effect of Flunixin Meglumine Treatment Following Partuition on Cow Health and Milk Production
Heather Putnam Dingwell

10:00-10:30 am  Milk/Refreshment Break

*10:30-10:45 am  Herd Alarm Levels for Health, Reproductive and Production Effects Based on NEFA and BHB Concentrations in Dairy Herds
Paula Ospina

10:45-11:00 am  Validation of a Rapid Cow-side Test for the Measurement of Blood Beta-Hydroxybutyrate in Fresh Cows
Katie Konkol

*3:30-3:45 pm  A Randomized and Blinded Field Trial to Assess the Efficacy of an Autogenous Vaccine to Prevent Naturally Occurring Infectious Bovine Keratoconjunctivis (IBK) in Beef Calves
Lucas Funk

*2:45-3:00 pm  Evaluation of Retreatment and Case Fatality Rates for Calves Treated with Antimicrobials and Ancillary Flunixin Meglumine for BRD Complex
Eliot Linsenmeyer

*3:00-3:15 pm  Comparison of Three Tetracycline Antibiotic Treatment Regimens for Carrier Clearance of Persistent Anaplasma marginale Infection Derived under Field Condition
James Reinbold

3:30-4:00 pm  Milk/Refreshment Break

4:00-4:15 pm  Comparison of the Timing of the Second Dose of Prostaglandin F2 Alpha in a Five Day Progesterone-based Timed AI Synchronization Protocol in Angus Cross Beef Cows
William Dee Whittier

4:15-4:30 pm  Weight Gain in the First 28 Days after Weaning on Five Commercial Cow-calf Farms
John Currin

4:30-4:45 pm  Evaluating Health, Performance and Behavior in Beef Stocker Calves Administered Two Preventive Health Protocols
Gregg Hanzlicek

4:45-5:00 pm  Bilingual, Digital, Audio-visual Training Modules Improve Technical Knowledge of Feedlot Workers
Chris Reinhardt

5:00-5:15 pm  Preliminary Investigation of the Association between Feeding Starch-based Ethanol Co-products and Salmonella species Shedding in Commercial Feedlots
Jason Osterstock

8:00-12:00 pm  RESEARCH SUMMARIES 2
Saturday, September 12
8:00 am-12:00 pm
Moderators: Jared Taylor and Terry Lehenbauer
11:00-11:15 am Periparturient Effects of Feeding a Low Dietary Cation-Anion Difference Diet on the Metabolism of High-Producing Dairy Cows Walter Gruenberg

11:15-11:30 am Serum Amyloid-A and Haptoglobin Concentrations and Liver Fat Percentage in Lactating Dairy Cows with Abomasal Displacement Ismail Sen

11:30-11:45 am Preliminary Validation of a ‘Calf-Side’ Test for Measurement of Serum IgG in Dairy Calves Stephanie Stewart

1:30-1:45 pm Rumenotomy and Rumenostomy in Cattle: A Retrospective Study of Twenty-five Cases (1999-2005) David Anderson

1:45-2:00 pm Association between Serum Total Protein and Immunoglobulin G Measures in Calves Fed a Whole Colostrum Derived Colostrum Replacer Jennifer Belz

2:00-2:15 pm Use of Three-Dimensional Accelerometry for Non-Contact, Continuous Characterization of Behavior Using an Induced Arthritis Model in Calves David Anderson

2:15-2:30 pm Quantitative Electroencephalographic Findings Associated with Nociception Following Surgical Castration in Conscious Calves Luciana Bergamasco

2:30-2:45 pm Apparent Differences in Xylazine, Ketamine and Butorphanol Pharmacokinetics Linked with Pain Associated with Dehorning and Castration Hans Coetzee

2:45-3:00 pm Veterinary Opinion and Evidence-Based Medicine Regarding the Best Management Practice for a Bovine Uterine Prolapse Wendela Wapenaar

*3:00-3:15 pm Analgesic Efficacy of Sodium Salicylate in an Amphotericin B Induced Bovine Synovitis-Arthritis Model Jamie Kotschwar

3:30-4:00 pm Milk/Refreshment Break

4:00-4:15 pm Evaluation of the Conference Proceedings and Peer-reviewed Publications for Vaccine-related Studies Presented at the Annual Meeting of the American Association of Bovine Practitioners from 1988 to 2003 Samantha Brace

*4:15-4:30 pm Variation in Viremic Concentration among Cattle Persistently Infected with Bovine Viral Diarrhea Virus Jason Nickell

*4:30-4:45 pm Incidence of Herds Infected with Bovine Viral Diarrhea Virus in Four Western Counties Enrolled in the Michigan Upper Peninsula BVDV Eradication Program Erik Corbett

4:45-5:00 pm Transmission of Bovine Viral Diarrhea Virus from Acutely Infected White-tailed Deer to Cattle via Indirect Contact Julia Ridpath

5:00-5:15 pm Establishing Guidelines for Reporting Clinical Trials: An Extension of CONSORT Statement for Trials Involving Livestock with Production, Health, and Food Safety Outcomes Annette O’Connor
RESEARCH SUMMARIES 4
Saturday, September 12  8:00-11:15 am
Moderators: Pat Gorden and Earl Aalseth

8:00-8:15 am  Single-Drug and Multi-Drug Resistance Exhibited by Gram-Positive Mastitis Pathogens
Pamela Ruegg

8:15-8:30 am  Impact of a Coagulase-Negative Staphylococci or Staphylococcus aureus Intramammary Infection during the First Month of Lactation on Somatic Cell Count, Milk Yield and Culling in Primiparous Cows
Marie-E`ve Paradis

8:30-8:45 am  Impact of Intramammary Infection of Serratia Species on Milk Production, Somatic Cell Count, and Survival in Dairy Cattle
Matthew Chuff

*8:30-8:45 am  Impact of Intramammary Infection of Serratia Species on Milk Production, Somatic Cell Count, and Survival in Dairy Cattle
Matthew Chuff

*8:45-9:00 am  Risk of New Intramammary Infections during the Dry Period in Holstein Dairy Cattle Enrolled in the CBMRN National Cohort of Dairy Farms
Christopher Calloway

*9:00-9:15 am  Effect of the Treatment of Clinical Mastitis Based on On-Farm Culture on Secondary Therapy, Days to Clinical Cure, Days out of Tank, Mastitis Recurrence, Somatic Cell Count, Milk Yield and Culling
Alfonso Lago

*9:15-9:30 am  An Investigation into the Coliform Growth of Digested Manure Solids on a Large Commercial Michigan Dairy
John Tulloch

*9:30-9:45 am  Efficacy of Two Fresh Cow Subclinical Mastitis Treatment Programs on Antibiotic Use, Days out of Tank, Bacteriological Cure, Clinical Mastitis, Somatic Cell Count, Milk Yield, Reproduction and Culling
Alfonso Lago

*9:45-10:00 am  Ovsynch versus Ultrasynch: A Clinical Trial of Breeding Efficiency Utilizing Corpus Luteum Function
Jessica McArt

10:00-10:30 am  Milk/Refreshment Break

*10:30-10:45 am  Milk Production and Reproductive Performance in Postpartum Dairy Cows Diagnosed and Treated for Metritis Using a Health Monitoring Program
Maria Rabaglino

10:45-11:00 am  Evaluation of Techniques for Diagnosis of Endometritis in Dairy Cows
Stephen LeBlanc

11:00-11:15 am  Effect of High Somatic Cell Counts on Reproductive Performance of Chilean Dairy Cattle
Pablo Pinedo

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