

American Association of Avian Pathologists
July 24-28, 2004
Philadelphia, Pennsylvania

Poster Sessions

Monday, July 26 – Wednesday, July 28, 2004

Adeno

1. **Concurrent Avian Adenovirus and Enteropathogenic *E. coli* Infection are Associated with Enteritis and Decreased Performance in Young Turkeys**
Guy, James S., John Barnes, and Lynda Smith

Antibiotic Use/Resistance/Sensitivity

2. **Residue Determination of some β -lactam Antibiotics in Table Eggs**
Mousa, Heba S.

Avian Influenza

3. **Effects of H3N2 Influenza Challenge on Broiler Breeders**
Miles, Andrea M., G. Clark Gray, and James S. Guy
4. **The History and the Effect of Avian Influenza Virus subtype N9N2 on the Poultry Industry in Iran**
Mirsalimi, Seyed Mehdi

Bacteria, Miscellaneous

5. ***Pasteurella multocida*: Serotypes and Fingerprints from Mississippi Isolates**
Magee, Danny L.
6. **Detection and quantification of *Chlamydophila psittaci* Carriage in Birds: a SYBR[®] Green Quantitative PCR Approach**
Leon, Oliver, Benoît Sraka, Charles Facon, and Jean-Luc Guerin
7. **Pathologic Features of Avian Tuberculosis in Wild Birds**
Fitzgerald, Scott D., Mark J. Hoenerhoff, and Heather A. Simmons
8. **Prevalence of *Gallibacterium* species in California Poultry over Past 10 Years (1994-2003) from Diagnostic Specimens**
Zellner, David E., Bruce R. Charlton, George Cooper, and Art A. Bickford
9. **Effect of In-house Composting of Poultry Carcasses on Coliform and Clostridial Counts**
Tablante, Nathaniel L., Daniel A. Bautista, Lewis E. Carr, and George Malone

Campylobacter

10. **Antimicrobial Resistance of *Campylobacter* spp. Isolated from Conventional and Organic Poultry Operations**
Luangtongkum, Taradon, Teresa Y. Morishita, Aaron J. Ison, Patrick F. McDermott, and Qijing Zhang

Chicken Anemia Virus

11. **Antibodies against Chicken Anemia Virus (CAV): A Survey and their Role in Determining the Effective Use of a Live Chicken Anemia Virus (CAV) Vaccine in Commercial Broilers**
Hopkins, Brett A. and Joan Leonard

Education, General Disease and Small Flock

12. **Disseminated *Haemoprotus lophortyz* in Bobwhite Quail**
Shivaprasad, H. L., Bill Johnson, Mark Anderson, Bradd Barr, Richard P. Chin, Leslie Woods, and Rocio Crespo
13. **Seasonal Botulism in Commercial Caponized Chickens**
Trampel, Darrell W., Tonie E. Rocke, and Susan R. Smith
14. **Cancer of the Ovary and Oviduct of Older Laying Hens**
Barnes, H. John, Luisa Adochiles, Donna K. Carver, and Gustavo C. Rodriguez
15. **Fractured thoracic Vertebrae and Osteomyelitis in Male Breeder Turkeys**
Chin, Richard P. and Rocio Crespo
16. **Assessment of Chick Quality Evaluation Programs**
Hubbard, Sue A.
17. **Pansteatitis in a Boat-billed Heron**
Lockaby, Susan B. and Anna L. Ogburn
18. **Histopathologic Lesions Induced by Intramuscular and Subcutaneous Injection of Inactivated Vaccines**
Brown, Tom P., Jeanna L. Wilson, and David D. Smith
19. **Molecular Characterization of Viral Pathogens: Extraction of Genomic RNA from Paraffin-embedded Tissues**
Hamoud, Mohamed M., Ziv Raviv, Mary J. Pantin-Jackwood, and Tom P. Brown
20. **Application of the FTA Technology for the Collection, Shipment, and Processing of Avian DNA and RNA Viruses**
Moscoso, Hugo, Stephan G. Thayer, and Charles L. Hofacre
21. **2004 Poultry Health Management School: Continuing Education for the Poultry Health Professional**
Porter, Robert E., Teresa Morishita, Richard Fulton, Ralph Stonerock, and Todd Applegate
22. **Columbid circovirus Prevalence and Capsid Gene Sequence Variability in the Central Valley of California**
Charlton, Bruce R., Carol J. Cardona, and Cathrn R. Bauer
23. **Implications of Lead Poisoning on Conservation of the California Condor (*Gymnogyps californianus*)**
Church, Molly E., Kelly Sorenson, C. Page Chamberlain, Robert Risebrough, Roberto Gwiazda, Donald R. Smith

Escherichia coli

24. ***Escherichia coli* Isolates Incriminated in Human Urinary Track Infections and Avian Colibacillosis: A Comparative Study**
Siek, Kylie E., Catherine W. Giddings, Shelley M. Horne, and Lisa K. Nolan
25. **Comparison of Antimicrobial Sensitivity Patterns for *E. coli* Isolates from Chickens <7 Days of Age with those from Chickens >7 Days of Age**

- Magee, Danny L.
26. **Plasmid-Mediated Virulence and Antimicrobial Resistance in Avian *Escherichia coli***
Nolan, Lisa K., Timothy J. Johnson, Catherine W. Giddings, Jerod A. Skyberg, Aaron M. Lynne, and Kylie R. Siek
27. **Analysis of a Virulence Plasmid of Avian *Escherichia coli***
Skyberg, Jerod A., Timothy J. Johnson, and Lisa K. Nolan
28. **Protection of Neonatal Chicks against a Lethal Challenge of *E. coli* by *in ovo* Delivery of Oligonucleotides Containing CpG Motifs (CpG ODN)**
Gomis, Susantha M., Lorne Babiuk, Andrew Potter, Brenda Allan, Edwin Waters, and Philip Willson
29. **Antimicrobial Susceptibility of *Escherichia coli* Isolated from Organic and Commercial Turkey Operations**
Ison, Aaron J.

Goose

30. **Pathology of Goose hemorrhagic polyomavirus Infection**
Guerin, Jean-Luc, Caroline Lacroux, Bruno Payre, Olivier Andreoletti

Immunology, Immunity and Vaccines

31. **Spraying Vaccination Method: An Update**
Núñez, Pedro, and Mauricio González
32. **Results with the Use of the Spray Vaccination Method in Gumboro**
Lechuga, Mario

Infectious Bronchitis Virus

33. **Development of Vaccines from Taiwanese Infectious Bronchitis Virus Strains**
Huang, Yuan-Ping and Ching-Ho Wang
34. **Evaluation of Safety and Efficacy of Attenuated Nephropathogenic Type Infectious Bronchitis Virus K2 Vaccine Strain in SPF and Broiler Chickens**
Song, Chang-Seon, Youn-Jeong Lee, Hyun-Jeong Lee, Hae-Hong Kim, and Young-Kuk Kwon
35. **Differential Detection of Turkey Coronavirus, Infectious Bronchitis Virus, and Bovine Coronavirus by a Multiplex Polymerase Chain Reaction**
Lin, Tsang Long, Chien Chang Loa, Ching Ching Wu, Thomas A. Bryan, Tom Hooper, and Donna Schrader
36. **Development of a Real-Time RT-PCR Assay for the Detection of Infectious Bronchitis Virus in Biological Samples**
Callison, Scott A., Deborah A. Hilt, and Mark W. Jackwood
37. **Sequence Analysis of the Hypervariable Region of the S1 Gene following *in vitro* Passage of Turkey Coronavirus**
Boynton, Tye W., Deborah A. Hilt, Scott A. Callison, and Mark W. Jackwood

Infectious Bursal Disease

38. **Evaluation of a Recombinant Infectious Bursal Disease Virus Vaccine *in ovo***
Moura, Lenita, Vikram Vakharia, and Meihong Liu
39. **Infectious Bursal Disease Virus Polyprotein induces Immunosuppression Independently of Virus Infection**

Wu, Ching Ching, Michelle Peters, and Tsang Long Lin

40. **Detection of Infectious Bursal Disease Viruses by Real-Time RT-PCR from Formalin-fixed Paraffin-embedded Bursas**
Pantin-Jackwood, Mary J., Mohamed Hamoud, Ziv Raviv, and Thomas P. Brown
41. **Sequence Analysis of an Infectious Bursal Disease Virus Isolated from Penguins in the United Kingdom**
Jackwood, Daral J., Susan E. Sommer, Richard E. Gough, S. E. Drury, D. de B. Welchman, J. R. Chitty, and G. E. S. Summerhays
42. **Analysis of IBDV-induced Immunosuppression and *C. jejuni* Colonization and Shedding in Chickens**
Subler, Kathryn A., Claudia O. Silva, and Daral J. Jackwood
43. **Development of Multiplex PCR for Simultaneous Detection of Avian Immunosuppressive Viruses**
Khan, Mazhar, Kristen M. Caterina, Salvatore Frasca, Jr., Theodore Girschick

Leukosis

44. **Molecular Characterization of Recent Field Isolates of Reticuloendotheliosis (REV) Virus**
Cheng, Sunny N. and Guillermo Zavala
45. **Identification of the Unique ORF873 Gene Product that Localizes in the Cytoplasm of Marek's Disease Virus Type-2 Infected Cells**
Jang, Hyung-Kwan and Yoshihiro Izumiya
46. **Current Epidemiology of RNA Tumor Viruses in Poultry**
Zavala, Guillermo
47. **The Use of the DF-1 Cell Line for Propagation of Avian Viruses**
Jones, Kelli H., Pedro Villegas, and Guillermo Zavala

Laryngotracheitis

48. **Comparison of Methods for Detection of Infectious Laryngotracheitis Virus at Different Time Points Post-infection**
García, Maricarmen, Ivomar Oldoni, Sylva M. Riblet, Holly Sellers, and Rey S. Resurreccion
49. **Detection of Infectious Laryngotracheitis Virus Nuclei Acid in Trachea and Ganglia Tissues during the Latent Phase of Infection**
Oldoni, Ivomar, Holly Sellers, Scott Hafner, Corrie C. Brown, and Maricarmen García,

Mycoplasma

50. **Molecular Typing of Avian Mycoplasma Species by Amplified Fragment Length Polymorphism**
Hong, Yang, Victoria Leiting, Maricarmen García, and Stanley H. Kleven
51. **Natural *Mycoplasma gallisepticum* Infection in Domestic Sparrows (*Passer domesticus*)**
Mousa, Salah A.
52. **Molecular Heterogeneity among *Mycoplasma gallisepticum* Strains from some Colombian Poultry Companies determined by Nested Polymerase Chain Reaction-Restriction Fragment Length Polymorphism (Nested PCR-RRFLP)**
Mossos, Nestor Alfonso, Guillermo Alvarez, Juan C. Corredor, Nidia J. Torres, and Gustavo Cardenas
53. **Evaluation of Methods for PCR Analysis of *Mycoplasma gallisepticum* Infection**
García, Maricarmen, Nilo Ikuta, Sharon Levisohn, and Stanley H. Kleven

54. **Emerging Variability of House Finch Strain *Mycoplasma gallisepticum* Detected by Random Amplification of Polymorphic DNA (RAPD) Analyses**
Ley, David H.
55. **A Survey of Mycoplasmas from Raptors based on PCR/RFLP and 16SrRNA Sequence**
Li, Lanqing, Michael R. Luther, Jill J. Heatley, and Frederic J. Hoerr
56. **Case Report: *Mycoplasma gallisepticum* Infection in Red Golden Pheasants**
Kelly, Donna J.
57. **Standardization and Evaluation of Reproducibility of RAPD for Subspecie Typing of *Mycoplasma gallisepticum***
Barbour, Elie K., Hussam A. Cheib, Rabih S. Talhouk, and Shadi K. Hamadeh
58. **Safety and Efficacy of the *Mycoplasma synoviae* MS-H Vaccine in Turkeys**
Noormohammadi, Amir H. and Kevin G. Whithear

Newcastle

59. **Virus Replication and Onset of Protection following *in ovo* Vaccination with a Novel Newcastle Disease Vaccine in SPF Bird**
Nagaraj, Ramki, Haddad, Eid E., Don E. Grosse, Donald B. Link, Rosemary D. Stowers, and Craig E. Whitfill

Paramyxovirus

60. **Experimental Virulence Assessment of Exotic Newcastle Disease Virus from an Outbreak in California during 2002-2003 for Chickens, Turkeys, and Pigeons**
Wakamatsu, Nobuko, Corrie C. Brown, Darrell R. Kapczynski, Bruce S. Seal, and Daniel J. King
61. **Pathogenic Effects of Pigeon Paramyxovirus Associated with other Avian Pathogens in Chickens**
Toro, Haroldo, Christine Dykstra, Sharon Roberts, Kristy Farmer, and Fred J. Hoerr
62. **Evaluation of the Efficacy of Newcastle Disease Vaccine (Newplex™) in the Commercial Broiler**
Mo, In-Pil and Hang-Sik Roh
63. **Comparing Serological Response of Exotic Newcastle Disease Virus and Newcastle Vaccination in Chickens**
Zellner, David E., Bruce R. Charlton, George Cooper, Art A. Bickford, Deryek Read, and Hailu Kinde

Parasitic Diseases

64. **Evaluation of Mannan-oligosaccharide Based Products, BioMos and Natustat on the Performance of Broiler Chickens Vaccinated with Coccidiosis**
Duffy, Cepta F., Steve Collett, and Greg F. Mathis
65. **Digit Necrosis Associated with Scaly-leg Mite Infestation**
Morishita, Teresa Y., Grant Johnson, Galen Johnson, John Thilsted, Benjamas Promsopone, and Crystal Newcomer
66. **Production and Characterization of Mouse Monoclonal Antibodies detecting *E. tenella* apical Complex Proteins**
Lillehoj, Hyun S., Xicheng Ding, Ray Fetterer, Sung W. Kim

Pneumovirus

67. **Analysis of Evolutionary Changes in the Genome of Avian Pneumovirus (APV) Strain isolated from 1997 to 2003**
Nagaraja, Kamabi V., Binu T. Velayudhan, Richard Bennet, Vanessa C. Lopes, and David A. Halvorson
68. **Development of a Virosome Vaccine for Protecting Turkey Poults against Subtype C Avian Metapneumovirus**
Kapczynski, Darrell R.

Poult Enteritis Mortality Syndrome

69. **Multiplex Real-Time RT-PCR for Turkey Coronavirus, Turkey Astrovirus, and Turkey Reovirus**
Spackman, Erica

Processing

70. **Detection of Bone Marrow Effects Produced by "Sep/Tox" and "IP" Disposition Conditions in Poultry using a Simple Histomorphometric Method**
Wilson, Floyd D., Tim S. Cummings, Sue A. Hubbard, and Danny L. Magee
71. **An Investigation of Undersized Broilers Condemned at Processing as Sep-Tox**
Hoerr, Frederic J., Haroldo Toro, and Sacit F. Bilgili
72. **Septicemia/Toxemia Disposition of Broilers: Increasing Accuracy within Current Regulations**
Brown, Tom P., Nancy L. Stedman, Fred Hoerr, Sacit Bilgili, Tim Cummings, William Maslin, and Marty Ewing

Reovirus

73. **Characterization of a Reovirus Isolated from Georgia Chickens**
Davis, Jim and Arun Kulkarni

Salmonella

74. **Probiotics Plus Bacteriophage to Reduce *Salmonella* Shedding from Chicks**
Toro, Haroldo, Stuart B. Price, Shelly R. McKee, and Fred J. Hoerr
75. **The Application of FTA Paper to Transporting Samples for PCR Tests Associated with Detection and Subsequent Identification of *Salmonella* Serotypes**
Liu, Tongrui, Hugo Moscoso, Yang Hong, Christine Lobsinger, Charles L. Hofacre, and John J. Maurer

Toxins

76. **Monitoring of the Cadmium Effect in Poultry in a Heavily Polluted Area**
Bianu, Elisabeta G. and Daniela A. Nica
77. **A Case of Intoxication with Narasin in Turkeys**
Nica, Daniela A. and Elisabeta G. Bianu

West Nile Virus

78. **Survey of Prevalence of West Nile Virus Infection in Wild Captured Birds in Missouri**
Bermudez, Alex J., John Schulz, Gayle Johnson, Steve Kleiboeker, and Howard Pue
79. **Outbreak of West-Nile Related Mortalities in Impeyan Pheasants (*Lophophorus impeyanus*)**
Bautista, Daniel A., Virginia Pierce, Paul George Miller, Conrad Pope, Fidelis Hegngi