American Journal of Veterinary Research

Index for Volume 67
No. 1 – 12 January – December 2006

Published by

AMERICAN VETERINARY MEDICAL ASSOCIATION

1931 N MEACHAM RD, SUITE 100, SCHAUMBURG, IL 60173-4360
Index to News

Accreditation
Education council schedules site visits, 8, 556
Iowa State, Nebraska pursuing cooperative veterinary program, 1097
Seven resolutions slated for House of Delegates action, 1098
Education council schedules site visits, 1099
Proposal separates accreditation for companion animals, all species, 1099
Education council schedules site visits, 1654

Acts
FDA seeks comment on Animal Drug Fair User Fee Act, 205
Executive Board approves research, education recommendations, 1276
Animal rights militants for terror campaign, 1817
FDA to allow more drugs for nonfood minor species, 1817

ACVP/STP Coalition for Veterinary Pathology Fellows
Coalition helps establish six pathology residencies, 8

Adverse Events
Executive Board considers recommendations involving research, education, 744

Alabama
Education council schedules site visits, 8
Tuskegee appoints Habtermariam as dean, 384
Education council schedules site visits, 556
Alumns donate $1 million for Auburn professorship, 746
Auburn receives $1 million for diabetes research, 1096
Education council schedules site visits, 1099
Donations support a plethora of programs at colleges, 1653
Education council schedules site visits, 1654

Alpacas
Morris Animal Foundation funds $4.3 million in animal health studies, 1944

American Animal Hospital Association (AAHA)
Cats contract avian influenza virus, 744

American Association of Feline Practitioners (AAFP)
Feline practitioners seek research proposals, 1818

American Association of Swine Veterinarians (AASV)
Company introduces monitoring program for porcine circovirus, 1469

American Association of Veterinary Clinicians (AAVC)
Teaching hospitals short on specialists, 1278

American Association of Veterinary Immunologists (AAVI)
CRWAD dedicated to Mengling, 555

American Association of Veterinary Parasitologists (AAVP)
CRWAD dedicated to Mengling, 555

American College of Laboratory Animal Medicine (ACLAM)
Hundredds attend Veterinary Scholars Symposium, 1653

American College of Veterinary Clinical Pharmacology (ACVCP)
American College of Veterinary Clinical Pharmacology announces diplomates, 1470

American College of Veterinary Microbiologists (ACVM)
CRWAD dedicated to Mengling, 556

American College of Veterinary Pathologists (ACVP)
Coalition helps establish six pathology residencies, 8
American College of Veterinary Pathologists announces diplomates, 384

American College of Veterinary Surgeons (ACVS)
Teaching hospitals short on specialists, 1278

American Veterinary Medical Association (AVMA)
Hundreds attend Veterinary Scholars Symposium, 1653
AVMA welcomes nominations for 2007 awards, 1818
AVMA seeks veterinary leaders, 1819

American Veterinary Medical Foundation (AVMF)
New forms available for disaster relief, 384

Analytic and Diagnostic Techniques
Company introduces monitoring program for porcine circovirus, 1469
SDSU helps develop CWD test, 1469

Animal Enterprise Protection Act
Animal rights militants for terror campaign, 1817

Animal Health
Morris Animal Foundation funds $4.3 million in animal health studies, 1944

Animal Health Research Center
University of Georgia opens research center, 1653

Animal Rights
Animal rights militants for terror campaign, 1817

Animal Testing
European industries plan to reduce animal testing, 203
Oxford resumes building controversial laboratory, 203

Animal Transport
Report addresses transportation of research animals, 383
USDA issues emergency order to contain fish disease, 1945

Animal Welfare
New charges brought against PETA employees, 9
Oxford resumes building controversial laboratory, 203
NIH requests information on care of laboratory animals, 204
AVMA board expedites animal welfare advisory board, 383
Report addresses transportation of research animals, 383
Seven resolutions slated for House of Delegates action, 1098
Animal rights militants for terror campaign, 1817

Appointments
AVMA board expedites animal welfare advisory board, 383
Tuskegee appoints Habtermariam as dean, 384
Florida dean leaves to head Tennessee agriculture; interim dean appointed, 556
Oregon State names interim dean, 556
Perryman to lead AAVMC, 746
Smith to step down after second term as Cornell dean, 929
Tufts names Kochevar as new dean, 929
Lautner leading National Veterinary Services Laboratories, 1097
Dean retires at Louisiana State, 1098
Hoblet to head Mississippi veterinary college, 1098
2006-2007 AVMA Fellows announced, 1277
Michigan State appoints Brown as dean, 1469
USP appoints veterinarian as member at large, 1470
Hoffsis to head Florida veterinary college, 1653

AJVR, Vol 67, No. 1–12, January–December, 2006 Index
Wisconsin names first director of new laboratory, 1653
Appointments, awards go to academics, 1819
Institute of Medicine elects Palmer as member, 1946
Purdue appoints Reed to be dean, 1946
University of Missouri names interim dean, 1946

Assistance Animals
Oregon State students to staff humane society’s medical center, 1470

Association for Veterinary Epidemiology and Preventive Medicine (AVEPM)
CRWAD dedicated to Mengling, 555

Association of American Veterinary Medical Colleges (AAVMC)
Perryman to lead AAVMC, 746
Teaching hospitals short on specialists, 1278
Hundreds attend Veterinary Scholars Symposium, 1653

Association of Avian Veterinarians (AAV)
Executive Board considers recommendations involving research, education, 744

Association of Veterinarians for Animal Rights (AVAR)
Seven resolutions slated for House of Delegates action, 1098

Astemizole
Purdue researchers find genetic switch for muscle atrophy, 1097

Australia
Education council schedules site visits, 8

Avian Influenza
British journals explore link between animal, human health, 203
Federal government creates Web site on pandemic influenza, 554
Vaccines and veterinarians to tackle the spread of avian influenza, 554
Cats contract avian influenza virus, 744
Executive Board considers recommendations involving research, education, 744
Combination vaccines developed for avian influenza, Newcastle disease, 1096
USDA, DOI expand wild bird monitoring for avian influenza, 1652

Avian Influenza Symposium
Executive Board considers recommendations involving research, education, 744

AVMA/AAVMC Joint Committee
Executive Board approves research, education recommendations, 1276

AVMA Animal Welfare Advisory Committee (AWAC)
AVMA board expedites animal welfare advisory board, 383

AVMA Animal Welfare Division
AVNA fills top two Animal Welfare Division positions, 928

AVMA Animal Welfare Governance Task Force
Executive Board considers recommendations involving research, education, 744

AVMA Annual Convention
Honolulu hosts AVMA House of Delegates, Annual Convention, 1468

AVMA Committee on Veterinary Technician Education and Activities (CVTEA)
Executive Board approves research, education recommendations, 1276

AVMA Congressional Science Fellowship
2006-2007 AVMA Fellows announced, 1277

AVMA Constitution and Bylaws
Executive Board considers recommendations involving research, education, 744
Proposed bylaws published for AVMA members, 928
Honolulu hosts AVMA House of Delegates, Annual Convention, 1468

AVMA Council on Education (COE)
Education council schedules site visits, 8, 556
Iowa State, Nebraska pursuing cooperative veterinary program, 1097
Education council schedules site visits, 1099, 1654

AVMA Council on Research (COR)
Animal research, stem cell positions approved, 7
AVMA seeks nominees for new award honoring lifework in research, 7

AVMA Educational Commission for Foreign Veterinary Graduates (ECFVG)
Executive Board considers recommendations involving research, education, 744
Survey will assess knowledge necessary for certification, 929
ECFVG seeks question writers for new examination, 1278

AVMA Education and Research Division
Education council schedules site visits, 8

AVMA Executive Board (EB)
Animal research, stem cell positions approved, 7
AVMA seeks nominees for new award honoring lifework in research, 7
AVMA board expedites animal welfare advisory board, 383
Executive Board considers recommendations involving research, education, 744
Fobian, Cohn elected to AVMA Executive Board, 745
AVNA fills top two Animal Welfare Division positions, 928
Executive Board approves research, education recommendations, 1276

AVMA Finances
Seven resolutions slated for House of Delegates action, 1098

AVMA House Advisory Committee (HAC)
Executive Board considers recommendations involving research, education, 744

AVMA House of Delegates (HOD)
AVMA board expedites animal welfare advisory board, 383
Seven resolutions slated for House of Delegates action, 1098
Honolulu hosts AVMA House of Delegates, Annual Convention, 1468

AVMA Lifetime Excellence in Research Award
AVMA seeks nominees for new award honoring lifework in research, 7

AVMA Model Animal Euthanasia Consent Form
Executive Board considers recommendations involving research, education, 744

AVMA Officers
AVMA Executive Vice President Little announces target retirement date, 1277

AVMA Policies
Executive Board considers recommendations involving research, education, 744

AVMA Position Statements
Animal research, stem cell positions approved, 7
AVMA Resolutions
Seven resolutions slated for House of Delegates action, 1098

AVMA Scientific Activities Division
AVNA fills top two Animal Welfare Division positions, 928

AVMA Staff
AVNA fills top two Animal Welfare Division positions, 928
AVMA Executive Vice President Little announces target retirement date, 1277

AVMA Standard Consent Form
Executive Board considers recommendations involving research, education, 744

AVMA Strategic Plan
Executive Board considers recommendations involving research, education, 744

AVMA Veterinary Leadership Conference
AVMA board expedites animal welfare advisory board, 383

Awards
AVMA seeks nominees for new award honoring lifework in research, 7
Research awards conferred, 9
Agricultural Research Service recognizes Beard, 205
CRWAD dedicated to Mengling, 555
Agricultural Research Service recognizes veterinarian, 746
ACVIM honors researchers, announces diplomats, 1279
Phi Zeta presents annual research awards, 1470
AVMA welcomes nominations for 2007 awards, 1818
Appointments, awards go to academics, 1819

Banfield, The Pet Hospital
Syndromic surveillance tracks signs, symptoms of disease, 1096

Biosecurity
NIH gives biodefense grants to veterinary colleges, 8
Government seeks site for National Bio and Agro-Defense Facility, 383
Summer course offers training in foreign animal diseases, 385
Executive Board considers recommendations involving research, education, 744
Syndromic surveillance tracks signs, symptoms of disease, 1096

BioSense
Syndromic surveillance tracks signs, symptoms of disease, 1096

Boehringer Ingelheim Vetmedica, Inc
Company to fund research on porcine circovirus, 1279
Company introduces monitoring program for porcine circovirus, 1469
Company gives grants for study of porcine circovirus, 1818
Funding available for PRRS research, 1818

Bristol-Myers Squibb
Coalition helps establish six pathology residencies, 8

British Medical Journal
British journals explore link between animal, human health, 203

California
Coalition helps establish six pathology residencies, 8
Marine Mammal Center begins rebuilding project, 385
Teaching hospitals short on specialists, 1278
Researchers use NASA date to track virus, 1469
List narrows for possible homes for research facility, 1652
Donations support a plethora of programs at colleges, 1653

Calls for Comments
CDC seeks comments on Health Protection Research Guide, 8
NIH requests information on care of laboratory animals, 204
FDA seeks comment on Animal Drug Fair User Fee Act, 205
Proposed bylaws published for AVMA members, 928

Calls for Nominations
AVMA seeks nominees for new award honoring lifework in research, 7
AVMA welcomes nominations for 2007 awards, 1818
AVMA seeks veterinary leaders, 1819

Calls for Proposals
Company to fund research on porcine circovirus, 1279
Grants for feline health research available, 1653
Feline practitioners seek research proposals, 1818
Proposals addressing dog overpopulation sought, 1819

Calls for Volunteers
Vaccines and veterinarians to tackle the spread of avian influenza, 554

Center for Comparative Medicine and Translational Research
NC State establishes center for comparative medicine, 930

Center for Global Health
University of Wisconsin establishes Center for Global Health, 9

Centers for Disease Control and Prevention (CDC)
CDC seeks comments on Health Protection Research Guide, 8
Vaccines and veterinarians to tackle the spread of avian influenza, 554
Syndromic surveillance tracks signs, symptoms of disease, 1096
Researchers use NASA date to track virus, 1469

Certification
Survey will assess knowledge necessary for certification, 929

Chronic Wasting Disease (CWD)
SDSU helps to develop CWD test, 1469
Study: chronic wasting disease spread through blood, saliva, 1944

Circovirus Disease
Company introduces monitoring program for porcine circovirus, 1469

Coalitions
Coalition helps establish six pathology residencies, 8

Colorado
Coalition helps establish six pathology residencies, 8
NIH gives biodefense grants to veterinary colleges, 8
Donations support a plethora of programs at colleges, 1653
Study: chronic wasting disease spread through blood, saliva, 1944

Companion Animals
University of Missouri opens research center, 9

Comparative Medicine
University of Wisconsin establishes Center for Global Health, 9
British journals explore link between animal, human health, 203
Michigan State opens cancer care clinic, 205

Compounding
Court files order in pharmacies’ case against FDA, 1817

Conference of Research Workers in Animal Diseases (CRWAD)
CRWAD dedicated to Mengling, 555
Continuing Veterinary Education
Summer course offers training in foreign animal diseases, 385
Hundreds attend Veterinary Scholars Symposium, 1653
USDA releases 2005 Animal Health Report, 1945

Controlled Substances
DEA lists embutradmide as schedule III controlled substance, 1945

Crime
New charges brought against PETA employees, 9
Animal rights militants for terror campaign, 1817

Databases
Syndromic surveillance tracks signs, symptoms of disease, 1096
Company introduces monitoring program for porcine circovirus, 1469
Global warning system for zoonotic diseases launched, 1652

Democratic Republic of the Congo
Morris Animal Foundation funds $4.3 million in animal health studies, 1944

Diet
Texas A&M research may impact the way dogs are fed, 745

Diplomates
American College of Veterinary Pathologists announces diplomates, 384
CRWAD dedicated to Mengling, 384
ACVIM honors researchers, announces diplomates, 1279
American College of Veterinary Clinical Pharmacology announces diplomates, 1470

Disasters
New forms available for disaster relief, 384
Seven resolutions slated for House of Delegates action, 1098

DNA
Researchers publish genome of Canis familiaris, 204

DNA Banking
Cornell animal hospital starts DNA bank, 930

Docosahexaenoic Acid
Texas A&M research may impact the way dogs are fed, 745

Drug Enforcement Administration (DEA)
DEA lists embutradmide as schedule III controlled substance, 1945

Drugs
FDA to allow more drugs for nonfood minor species, 1817

Elections
CRWAD dedicated to Mengling, 555
Fobian, Cohn elected to AVMA Executive Board, 745
Honolulu hosts AVMA House of Delegates, Annual Convention, 1468

Embutradmide
DEA lists embutradmide as schedule III controlled substance, 1945

Emerging Infectious Diseases
Tindamax being studied as treatment for trichomoniasis in cats, 385
Syndromic surveillance tracks signs, symptoms of disease, 1096

Epidemiology
British journals explore link between animal, human health, 203
Researchers use NASA date to track virus, 1469

Escherichia coli
Study seeks sources of E coli in California leafy greens, 1944

European Center for Disease Control and Prevention
Cats contract avian influenza virus, 744

European Commission
European industries plan to reduce animal testing, 203

European Partnership to Promote Alternative Approaches to Animal Testing
European industries plan to reduce animal testing, 203

Examinations
Survey will assess knowledge necessary for certification, 929
ECFVG seeks question writers for new examination, 1278

Experimental Pathology Laboratories, Inc
Coalition helps establish six pathology residencies, 8

Farm Sanctuary
Seven resolutions slated for House of Delegates action, 1098

Florida
Florida dean leaves to head Tennessee agriculture; interim dean appointed, 556
Hoffsis to head Florida veterinary college, 1653
Morris Animal Foundation funds $4.3 million in animal health studies, 1944

Foals
Fortified plasma helps sick foals, 1097

Food and Agriculture Organization (FAO)
Global warning system for zoonotic diseases launched, 1652

Food and Drug Administration (FDA)
FDA seeks comment on Animal Drug Fair User Fee Act, 205
FDA celebrates centennial, 929
Court files order in pharmacies’ case against FDA, 1817
FDA to allow more drugs for nonfood minor species, 1817

Food and Drug Administration (FDA)
FDA seeks comment on Animal Drug Fair User Fee Act, 205

France
USDA awards $10 million to sequence swine genome, 383
Executive Board considers recommendations involving research, education, 744

Funding
Morris pledges $4 million for ’06 animal health studies, 8
NIH gives biodefense grants to veterinary colleges, 8
FDA seeks comment on Animal Drug Fair User Fee Act, 205
USDA awards $10 million to sequence swine genome, 383
New forms available for disaster relief, 384
Marine Mammal Center begins rebuilding project, 385
Tindamax being studied as treatment for trichomoniasis in cats, 385
Executive Board considers recommendations involving research, education, 744
Alumnus donates $1 million for Auburn professorship, 746
Cornell animal hospital starts DNA bank, 930
University of Wisconsin announces influenza institute, 930
Auburn receives $1 million for diabetes research, 1096
Michigan State alumna starts research scholarship, 1097
Kansas veterinary students can work off debt in rural practice, 1098
Seven resolutions slated for House of Delegates action, 1098
Executive Board approves research, education recommendations, 1276
Company to fund research on porcine circoivirus, 1279
Pennsylvania receives grant for large animal hospital, 1279
SDSU helps to develop CWD test, 1469
Donations support a plethora of programs at colleges, 1653
Grants for feline health research available, 1653
Cornell to build diagnostic center, 1654
Company gives grants for study of porcine circoivirus, 1818
Feline practitioners seek research proposals, 1818
Funding available for PRRS research, 1818
Morris Animal Foundation funds $4.3 million in animal health studies, 1944
Study seeks sources of E coli in California leafy greens, 1944

Genetics
Researchers publish genome of Canis familiaris, 204
USDA awards $10 million to sequence swine genome, 383
Cornell animal hospital starts DNA bank, 930

Georgia
Education council schedules site visits, 556
List narrows for possible homes for research facility, 1652
University of Georgia opens research center, 1653

Germany
Combination vaccines developed for avian influenza, Newcastle disease, 1096

GlaxoSmithKline
Coalition helps establish six pathology residencies, 8

Global Early Warning and Response System (GEWRS)
Global warning system for zoonotic diseases launched, 1652

Great Britain
British journals explore link between animal, human health, 203
Oxford resumes building controversial laboratory, 203

Health Protection Research Guide
CDC seeks comments on Health Protection Research Guide, 8

Healthy Animals 2010
Executive Board considers recommendations involving research, education, 744

Human-Animal Bond
University of Missouri opens research center, 9
Researchers study noise, human contact in shelters, 1654

Huntingdon Life Sciences
Animal rights militants for terror campaign, 1817

Illinois
Coalition helps establish six pathology residencies, 8
Education council schedules site visits, 8
USDA awards $10 million to sequence swine genome, 383
Education council schedules site visits, 556
Researchers study noise, human contact in shelters, 1654

Immunology
Reagent network to benefit veterinary immunologists, 1096

Indebtedness
Kansas veterinary students can work off debt in rural practice, 1098

Index of Legally Marketed Unapproved New Animal Drugs for Minor Species
FDA to allow more drugs for nonfood minor species, 1817

Indiana
Coalition helps establish six pathology residencies, 8
Vaccines and veterinarians to tackle the spread of avian influenza, 554
Syndromic surveillance tracks signs, symptoms of disease, 1096
Purdue researchers find genetic switch for muscle atrophy, 1097
Teaching hospitals short on specialists, 1278
Purdue appoints Reed to be dean, 1946

Institute of Medicine
Institute of Medicine elects Palmer as member, 1946

International Studies
University of Wisconsin establishes Center for Global Health, 9

International Veterinary Medicine
University of Wisconsin establishes Center for Global Health, 9

Internet
Federal government creates Web site on pandemic influenza, 554
Global warning system for zoonotic diseases launched, 1652

Intervet, Inc
Combination vaccines developed for avian influenza, Newcastle disease, 1096

Iowa
USDA awards $10 million to sequence swine genome, 383
Iowa State, Nebraska pursuing cooperative veterinary program, 1097
Laurington leading National Veterinary Services Laboratories, 1097
SDSU helps to develop CWD test, 1469

Iowa Pork Producers Association
USDA awards $10 million to sequence swine genome, 383

Ireland
Education council schedules site visits, 8, 556, 1099

Kansas
Syndromic surveillance tracks signs, symptoms of disease, 1096

Kentucky
List narrows for possible homes for research facility, 1652

Laminitis
Purdue researchers find genetic switch for muscle atrophy, 1097

Laminitis
Morris Animal Foundation funds $4.3 million in animal health studies, 1944
**Lettuce**
Study seeks sources of *E. coli* in California leafy greens, 1944

**Litigation**
New charges brought against PETA employees, 9
Oxford resumes building controversial laboratory, 203
Animal rights militants for terror campaign, 1817
Court files order in pharmacies’ case against FDA, 1817

**Livestock**
Study seeks sources of *E. coli* in California leafy greens, 1944

**Llamas**
Morris Animal Foundation funds $4.3 million in animal health studies, 1944

**Louisiana**
Dean retires at Louisiana State, 1098
Hundreds attend Veterinary Scholars Symposium, 1653
Morris Animal Foundation funds $4.3 million in animal health studies, 1944

**Macrocyclic Lactones**
Monograph on macrocyclic lactones released, 385

**Marine Mammal Center**
Marine Mammal Center begins rebuilding project, 385

**Maryland**
Yeast sugar may help fight mastitis in cows, 746
List narrows for possible homes for research facility, 1652
Morris Animal Foundation funds $4.3 million in animal health studies, 1944

**Massachusetts**
NIH gives biodefense grants to veterinary colleges, 8
Researchers publish genome of *Canis familiaris*, 204
Tufts names Kochevar as new dean, 929
Reagent network to benefit veterinary immunologists, 1096

**Mastitis**
Yeast sugar may help fight mastitis in cows, 746

**Medical Center Pharmacy**
Court files order in pharmacies’ case against FDA, 1817

**Medical Education**
University of Wisconsin establishes Center for Global Health, 9

**Merck Foundation**
Hundreds attend Veterinary Scholars Symposium, 1653

**Merck-Merial Veterinary Scholars Symposium**
Executive Board considers recommendations involving research, education, 744
Hundreds attend Veterinary Scholars Symposium, 1653

**Merg1a K+**
Purdue researchers find genetic switch for muscle atrophy, 1097

**Merial Ltd**
Hundreds attend Veterinary Scholars Symposium, 1653

**Mexico**
Education council schedules site visits, 8, 556

**Michigan**
Michigan State opens cancer care clinic, 205
Michigan State alumnus starts research scholarship, 1097
Michigan State appoints Brown as dean, 1469

**Minnesota**
Donations support a plethora of programs at colleges, 1653

**Minor Use and Minor Species Animal Health Act (MUMS)**
FDA to allow more drugs for nonfood minor species, 1817

**Mississippi**
Hoblet to head Mississippi veterinary college, 1098
List narrows for possible homes for research facility, 1652

**Missouri**
Education council schedules site visits, 8
University of Missouri opens research center, 9
Teaching hospitals short on specialists, 1278
List narrows for possible homes for research facility, 1652
Morris Animal Foundation funds $4.3 million in animal health studies, 1944
University of Missouri names interim dean, 1946

**Monitoring Assignment for Global Insight of Circovirus Diseases (MAGIC)**
Company introduces monitoring program for porcine circovirus, 1469

**Morris Animal Foundation**
Morris pledges $4 million for ‘06 animal health studies, 8
Proposals addressing dog overpopulation sought, 1819
Morris Animal Foundation funds $4.3 million in animal health studies, 1944

**Mountain Gorilla Veterinary Project**
Morris pledges $4 million for ‘06 animal health studies, 8
Morris Animal Foundation funds $4.3 million in animal health studies, 1944

**Muscle Atrophy**
Purdue researchers find genetic switch for muscle atrophy, 1097

**National Academy of Science (NAS)**
Combination vaccines developed for avian influenza, Newcastle disease, 1096
Institute of Medicine elects Palmer as member, 1946

**National Aeronautics and Space Administration (NASA)**
Researchers use NASA date to track virus, 1469

**National Animal Health Laboratory Network**
Executive Board considers recommendations involving research, education, 744

**National Animal Identification System**
USDA releases 2005 Animal Health Report, 1945

**National Aquatic Animal Health Plan**
USDA releases 2005 Animal Health Report, 1945

**National Bio and Agro-Defense Facility**
List narrows for possible homes for research facility, 1652

**National Center for Research Resources**
Chimpanzee breeding moratorium extended, 204

**National Human Genome Research Institute (NIGRI)**
Researchers publish genome of *Canis familiaris*, 204

**National Institutes of Health (NIH)**
NIH gives biodefense grants to veterinary colleges, 8
Chimpanzee breeding moratorium extended, 204
NIH requests information on care of laboratory animals, 204
Researchers publish genome of *Canis familiaris*, 204
Study: chronic wasting disease spread through blood, saliva, 1944
National Pork Board
USDA awards $10 million to sequence swine genome, 383

National Primate Research Centers
Report addresses transportation of research animals, 383

National Research Council (NRC)
Report addresses transportation of research animals, 383
Executive Board considers recommendations involving research, education, 744

National Veterinary Accreditation Program
USDA releases 2005 Animal Health Report, 1945

Nebraska
USDA awards $10 million to sequence swine genome, 383
Iowa State, Nebraska pursuing cooperative veterinary program, 1097

Nevada
USDA awards $10 million to sequence swine genome, 383

Newcastle Disease
Combination vaccines developed for avian influenza, Newcastle disease, 1096

New Mexico
Syndromic surveillance tracks signs, symptoms of disease, 1096

New York
Government seeks site for National Bio and Agro-Defense Facility, 383
Cats contract avian influenza virus, 744
Smith to step down after second term as Cornell dean, 929
Cornell animal hospital starts DNA bank, 930
Donations support a plethora of programs at colleges, 1653
Cornell to build diagnostic center, 1654
USDA issues emergency order to contain fish disease, 1945

Noise
Researchers study noise, human contact in shelters, 1654

North Carolina
Coalition helps establish six pathology residencies, 8
New charges brought against PETA employees, 9
Pennsylvania
Vaccines and veterinarians to tackle the spread of avian influenza, 554
Pennsylvania receives grant for large animal hospital, 1279

People for the Ethical Treatment of Animals (PETA)
New charges brought against PETA employees, 9

Pfizer Animal Health
Coalition helps establish six pathology residencies, 8
Research awards conferred, 9

Pharmacies
Court files order in pharmacies' case against FDA, 1817

Pharmacy Education
University of Wisconsin establishes Center for Global Health, 9

Phi Zeta Honor Society
Phi Zeta presents annual research awards, 1470
Hundreds attend Veterinary Scholars Symposium, 1653

Plum Island Animal Disease Center
Government seeks site for National Bio and Agro-Defense Facility, 383
Executive Board considers recommendations involving research, education, 744

Porcine Circovirus
Company gives grants for study of porcine circovirus, 1818

Porcine Reproductive and Respiratory Syndrome (PRRS)
Funding available for PRRS research, 1818

Prescriptions
Court files order in pharmacies’ case against FDA, 1817

Presutti Laboratories
Tindamax being studied as treatment for trichomoniasis in cats, 385

Prions
Study: chronic wasting disease spread through blood, saliva, 1944

Public Health
Federal government creates Web site on pandemic influenza, 554
Global warning system for zoonotic diseases launched, 1652

Ohio
Coalition helps establish six pathology residencies, 8
Education council schedules site visits, 8, 556
Hoblet to head Mississippi veterinary college, 1098
Education council schedules site visits, 1099
Teaching hospitals short on specialists, 1278
Education council schedules site visits, 1654

Index 7

Proposals addressing dog overpopulation sought, 1819

Pennsylvania
Vaccines and veterinarians to tackle the spread of avian influenza, 554
Pennsylvania receives grant for large animal hospital, 1279

Public Health
Federal government creates Web site on pandemic influenza, 554
Global warning system for zoonotic diseases launched, 1652

Regulations
Proposal separates accreditation for companion animals, all species, 1099

Regulations
Proposal separates accreditation for companion animals, all species, 1099

Office International des Epizooties (OIE)
Vaccines and veterinarians to tackle the spread of avian influenza, 554
Global warming system for zoonotic diseases launched, 1652

Ohio
Coalition helps establish six pathology residencies, 8
Education council schedules site visits, 8, 556
Hoblet to head Mississippi veterinary college, 1098
Education council schedules site visits, 1099
Teaching hospitals short on specialists, 1278
Education council schedules site visits, 1654

Oklahoma
List narrows for possible homes for research facility, 1652

Oregon
Oregon State names interim dean, 556
Oregon State students to staff humane society’s medical center, 1470

Overpopulation
Proposals addressing dog overpopulation sought, 1819

Pfizer Animal Health
Coalition helps establish six pathology residencies, 8
Research awards conferred, 9
DEA lists embutradine as schedule III controlled substance, 1945
USDA issues emergency order to contain fish disease, 1945

Research Center for Human-Animal Interaction
University of Missouri opens research center, 9

Research Facilities
Oxford resumes building controversial laboratory, 203
Chimpanzee breeding moratorium extended, 204
USDA building new center for poultry research, 205
Work under way on Virginia Tech laboratory, 205
Government seeks site for National Bio and Agro-Defense Facility, 383
NC State establishes center for comparative medicine, 930
List narrows for possible homes for research facility, 1652
Wisconsin names first director of new laboratory, 1653

Residencies
Coalition helps establish six pathology residencies, 8

Rural Technologies, Inc
SDSU helps to develop CWD test, 1469

Rural Veterinary Medicine
Kansas veterinary students can work off debt in rural practice, 1098
sanofi-aventis
Coalition helps establish six pathology residencies, 8

Satellite Communications
Researchers use NASA date to track virus, 1469

Scotland
Education council schedules site visits, 8, 556

Shelters
Oregon State students to staff humane society’s medical center, 1470
Researchers study noise, human contact in shelters, 1654

Society for Toxicologic Pathology (STP)
Coalition helps establish six pathology residencies, 8

Society for Tropical Veterinary Medicine (STVM)
CRWAD dedicated to Mengling, 555

South Dakota
SDSU helps to develop CWD test, 1469

Spinach
Study seeks sources of E. coli in California leafy greens, 1944

Stop Huntingdon Animal Cruelty USA (SHAC)
Animal rights militants for terror campaign, 1817

Surveillance
Syndromic surveillance tracks signs, symptoms of disease, 1096
Company introduces monitoring program for porcine circovirus, 1469
Global warning system for zoonotic diseases launched, 1652
USDA, DOI expand wild bird monitoring for avian influenza, 1652
USDA releases 2005 Animal Health Report, 1945

Surveys
Survey will assess knowledge necessary for certification, 929
Executive Board approves research, education recommendations, 1276
Company introduces monitoring program for porcine circovirus, 1469

Symposia
Executive Board considers recommendations involving research, education, 744
Teaching hospitals short on specialists, 1278
Hundreds attend Veterinary Scholars Symposium, 1653

Syndromes
Syndromic surveillance tracks signs, symptoms of disease, 1096

Tennessee
Florida dean leaves to head Tennessee agriculture; interim dean appointed, 556
List narrows for possible homes for research facility, 1652

Terrorism
NIH gives biodefense grants to veterinary colleges, 8
British journals explore link between animal, human health, 203
Government seeks site for National Bio and Agro-Defense Facility, 383
Syndromic surveillance tracks signs, symptoms of disease, 1096
Animal rights militants for terror campaign, 1817

Texas
Executive Board considers recommendations involving research, education, 744
Texas A&M research may impact the way dogs are fed, 745
List narrows for possible homes for research facility, 1652
Court files order in pharmacies’ case against FDA, 1817

Thomson Prometric
ECFVG seeks question writers for new examination, 1278

Tindamax
Tindamax being studied as treatment for trichomoniasis in cats, 385

Trade
USDA issues emergency order to contain fish disease, 1945

Uganda
Morris Animal Foundation funds $4.3 million in animal health studies, 1944

United Kingdom
USDA awards $10 million to sequence swine genome, 383

US Department of Agriculture (USDA)
Agricultural Research Service recognizes Beard, 205
USDA building new center for poultry research, 205
Government seeks site for National Bio and Agro-Defense Facility, 383
USDA awards $10 million to sequence swine genome, 383
Summer course offers training in foreign animal diseases, 385
Vaccines and veterinarians to tackle the spread of avian influenza, 554
Executive Board considers recommendations involving research, education, 744
Agricultural Research Service recognizes veterinarian, 746
Yeast sugar may help fight mastitis in cows, 746
Reagent network to benefit veterinary immunologists, 1096
Lautner leading National Veterinary Services Laboratories, 1097
Proposal separates accreditation for companion animals, all species, 1099
USDA, DOI expand wild bird monitoring for avian influenza, 1652
Study seeks sources of E. coli in California leafy greens, 1944
USDA issues emergency order to contain fish disease, 1945
USDA releases 2005 Animal Health Report, 1945
World Wide Web
Federal government creates Web site on pandemic influenza, Z
Global warning system for zoonotic diseases launched, 1652

Zoonoses
CDC seeks comments on Health Protection Research Guide, 8
British journals explore link between animal, human health, 203
Vaccines and veterinarians to tackle the spread of avian influenza, 554
Cats contract avian influenza virus, 744
Global warning system for zoonotic diseases launched, 1652
<table>
<thead>
<tr>
<th>Name</th>
<th>Index</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kolb, John</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Kolenda-Roberts, Holly M</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Kornegay, Joe</td>
<td>1946</td>
<td></td>
</tr>
<tr>
<td>Kosch, Philip C</td>
<td>929</td>
<td></td>
</tr>
<tr>
<td>Kudej, Raymond J</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Kuruvilla, Sabu</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Labelle, Philippe</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Lambert, Andre-Jean</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Lamerato-Kozicki, Angela</td>
<td>1819</td>
<td></td>
</tr>
<tr>
<td>Lancaster, Malcolm J</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Lautner, Elizabeth</td>
<td>1097</td>
<td></td>
</tr>
<tr>
<td>Lawrence, Mark</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Legendre, Alfred</td>
<td>1279</td>
<td></td>
</tr>
<tr>
<td>Lewis, Bridget S</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Li, Shulin</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Lin, Patricia</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Little, Bruce W</td>
<td>1098, 1277, 1819</td>
<td></td>
</tr>
<tr>
<td>Liu, Annie</td>
<td>929, 1278</td>
<td></td>
</tr>
<tr>
<td>Lord, Linda</td>
<td>555</td>
<td></td>
</tr>
<tr>
<td>Lowder, Charlotte</td>
<td>1653</td>
<td></td>
</tr>
<tr>
<td>Lowder, Robert</td>
<td>1653</td>
<td></td>
</tr>
<tr>
<td>Luther, Trudy</td>
<td>1818</td>
<td></td>
</tr>
<tr>
<td>Lutschauing, Mark</td>
<td>1278</td>
<td></td>
</tr>
<tr>
<td>Maas, Alexander</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Macpherson, CNL</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Magdigan, John E</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Mahr, Roger K</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Martin, Carolyn</td>
<td>929</td>
<td></td>
</tr>
<tr>
<td>Martin, Dawn</td>
<td>1279</td>
<td></td>
</tr>
<tr>
<td>Mather, Edward C</td>
<td>555</td>
<td></td>
</tr>
<tr>
<td>Meadows, Richard</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Meens, Jochen</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Mengeling, William L</td>
<td>555</td>
<td></td>
</tr>
<tr>
<td>Meyerholz, David K</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Miller, Janice M</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Miyahara, Allen Y</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Moore, Cecil</td>
<td>1278, 1946</td>
<td></td>
</tr>
<tr>
<td>Moore, George</td>
<td>555</td>
<td></td>
</tr>
<tr>
<td>Morrison, James P</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Mundt, Egbert</td>
<td>1819</td>
<td></td>
</tr>
<tr>
<td>Murphy, Keith</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Nave, James E</td>
<td>1277</td>
<td></td>
</tr>
<tr>
<td>Newman, Michael</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Olsen, Christopher</td>
<td>385</td>
<td></td>
</tr>
<tr>
<td>Opriessneg, Tanja</td>
<td>1818</td>
<td></td>
</tr>
<tr>
<td>Palmer, Guy</td>
<td>1946</td>
<td></td>
</tr>
<tr>
<td>Papaioanou, Marguerite</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Paul, Prem</td>
<td>555</td>
<td></td>
</tr>
<tr>
<td>Peddiredhi, Lalitha</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Peek, Simon</td>
<td>1097</td>
<td></td>
</tr>
<tr>
<td>Pelzer, Kevin D</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Penraat, Kelley A</td>
<td>385</td>
<td></td>
</tr>
<tr>
<td>Perez S, 556</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perryman, Lance E</td>
<td>746</td>
<td></td>
</tr>
<tr>
<td>Peyrou, Mathieu</td>
<td>1469</td>
<td></td>
</tr>
<tr>
<td>Phillips, Gregory J</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Pinkert, Carl A</td>
<td>1819</td>
<td></td>
</tr>
<tr>
<td>Plummer, PJ</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Pratt, Bruce</td>
<td>746</td>
<td></td>
</tr>
<tr>
<td>Price, V Hugh, Jr</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Quackenbush, Sandra</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Rambeaud, M</td>
<td>555</td>
<td></td>
</tr>
<tr>
<td>Rashid, Jamila</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Raskin, Rose</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Read, Robert W</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Reed, Willie M</td>
<td>1946</td>
<td></td>
</tr>
<tr>
<td>Reicks, Darwin L</td>
<td>1818</td>
<td></td>
</tr>
<tr>
<td>Reinero, Carol Norris</td>
<td>1944</td>
<td></td>
</tr>
<tr>
<td>Reisen, William K</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Rendell, Edward G</td>
<td>1279</td>
<td></td>
</tr>
<tr>
<td>Rhodes, R Tracy</td>
<td>745, 1468</td>
<td></td>
</tr>
<tr>
<td>Rice, Dean</td>
<td>745</td>
<td></td>
</tr>
<tr>
<td>Richards, James</td>
<td>744</td>
<td></td>
</tr>
<tr>
<td>Richardson, Ralph</td>
<td>1098</td>
<td></td>
</tr>
<tr>
<td>Rizzi, Theresa E</td>
<td>385</td>
<td></td>
</tr>
<tr>
<td>Roberts, John F</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Robinson, Narda</td>
<td>1819</td>
<td></td>
</tr>
<tr>
<td>Rockey, Daniel</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Roosevelt, Theodore</td>
<td>929</td>
<td></td>
</tr>
<tr>
<td>Roth, James A</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Roudabush, Alice D</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Rowland, JM</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Rowland, RRR</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Russell, Leon H</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Samuels, Joan M</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Sanders, RA</td>
<td>1279</td>
<td></td>
</tr>
<tr>
<td>Sangena Boyina, R</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Sannerud, Christine A</td>
<td>1945</td>
<td></td>
</tr>
<tr>
<td>Saville, William JA</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Schaefer, John</td>
<td>555</td>
<td></td>
</tr>
<tr>
<td>Sherman, David M</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Shoieb, Ahmed M</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Shokek, Amy B</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Sibbel, Richard</td>
<td>745</td>
<td></td>
</tr>
<tr>
<td>Simmons, Donald G</td>
<td>8, 556, 1099, 1564</td>
<td></td>
</tr>
<tr>
<td>Simon, J</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Singu, Vijayakrishna</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Sirigireddy, Kamesh R</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Smith, Donald F</td>
<td>929</td>
<td></td>
</tr>
<tr>
<td>Smith, Ronald D</td>
<td>555</td>
<td></td>
</tr>
<tr>
<td>Spangler, Elizabeth</td>
<td>385</td>
<td></td>
</tr>
<tr>
<td>Spangler, Taylor</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Splinter, Gary A</td>
<td>555</td>
<td></td>
</tr>
<tr>
<td>Steele, James H</td>
<td>555, 1819</td>
<td></td>
</tr>
<tr>
<td>Steinbach, Thomas J</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Steinberg, Jennifer D</td>
<td>385</td>
<td></td>
</tr>
<tr>
<td>Stepanian, Andrew</td>
<td>1818</td>
<td></td>
</tr>
<tr>
<td>Stokes, Ashley M</td>
<td>1945</td>
<td></td>
</tr>
<tr>
<td>Stokes, William S</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Swanson, Janet</td>
<td>1654</td>
<td></td>
</tr>
<tr>
<td>Szabo, Kathleen A</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Tarpley, Heather L</td>
<td>928</td>
<td></td>
</tr>
<tr>
<td>Tewari, Deeanker, André</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Thomas-Tikhonenko, André,</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Thompson, Craig A</td>
<td>385</td>
<td></td>
</tr>
<tr>
<td>Thompson, James P</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Thomson, John U</td>
<td>1097</td>
<td></td>
</tr>
<tr>
<td>Torres, Audrey</td>
<td>555</td>
<td></td>
</tr>
<tr>
<td>Trincado, Carlos</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Tripp, Ralph</td>
<td>1653</td>
<td></td>
</tr>
<tr>
<td>Turk, James R</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Twisselmann, Birte</td>
<td>203</td>
<td></td>
</tr>
<tr>
<td>Twisselmann, Easton</td>
<td>203</td>
<td></td>
</tr>
<tr>
<td>Twomey, Leanne</td>
<td>385</td>
<td></td>
</tr>
<tr>
<td>Veazey, Ronald</td>
<td>1653</td>
<td></td>
</tr>
<tr>
<td>Vogel, Lyle P</td>
<td>928</td>
<td></td>
</tr>
<tr>
<td>von Eschenbach, Andrew C</td>
<td>929</td>
<td></td>
</tr>
<tr>
<td>Waters, W Ray</td>
<td>746</td>
<td></td>
</tr>
<tr>
<td>Westworth, Diccon</td>
<td>1279</td>
<td></td>
</tr>
<tr>
<td>Wilkes, Rebecca P</td>
<td>556</td>
<td></td>
</tr>
<tr>
<td>Wills, Tamara B</td>
<td>385</td>
<td></td>
</tr>
<tr>
<td>Winkler, Abby</td>
<td>1654</td>
<td></td>
</tr>
<tr>
<td>Winklerried, Jon</td>
<td>1654</td>
<td></td>
</tr>
<tr>
<td>Witter, Richard L</td>
<td>1097</td>
<td></td>
</tr>
<tr>
<td>Wood, Mark D</td>
<td>1468</td>
<td></td>
</tr>
<tr>
<td>Wu, Ching Ching</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Xiao, Yanjing</td>
<td>555</td>
<td></td>
</tr>
<tr>
<td>Xu, Xuemin</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Yamamoto, Janet K</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Yehualaeshet, Teshome</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Zhang, Q</td>
<td>556</td>
<td></td>
</tr>
</tbody>
</table>
**Index to Subjects**

### Abomasopexy
Comparison of laparoscopic-guided abomasopexy versus omentopexy via right flank laparotomy for the treatment of left abomasal displacement in dairy cows [T Seeger et al], 472

### Abomasum
Comparison of laparoscopic-guided abomasopexy versus omentopexy via right flank laparotomy for the treatment of left abomasal displacement in dairy cows [T Seeger et al], 472

Effect of suckling isotonic or hypertonic solutions of sodium bicarbonate or glucose on abomasal emptying rate in calves [I Sen et al], 1377

Distribution of muscarinic receptor subtypes and interstitial cells of Cajal in the gastrointestinal tract of healthy dairy cows [MH Stoffel et al], 1992

### Abortion
Serologic evidence of vesivirus-specific antibodies associated with abortion in horses [A Kurth et al], 2006;67:1033

Correction: 2006;67:1265

### Absorption
Evaluation of gastrointestinal permeability and mucosal absorptive capacity in dogs with chronic enteropathy [K Allenspach et al], 479

### Acetic Acid
In vitro effects of hydrochloric acid and various concentrations of acetic, propionic, butyric, or valeric acids on bioelectronic properties of equine gastric squamous mucosa [FM Andrews et al], 1873

### Acidosis
Effect of changes in ionized calcium concentration in arterial blood and metabolic acidosis on the arterial partial pressure of oxygen in dogs [I Lopez et al], 801

### Acoustic Waves
Evaluation of acoustic wave propagation velocities in the ocular lens and vitreous tissue of pigs, dogs, and rabbits [C Görig et al], 380

### Acrosome
Evaluation of Coomassie blue staining of the acrosome of equine and canine spermatozoa [AM Brum et al], 358

### ACTH
Effect of mitotane on pituitary corticotrophs in clinically normal dogs [T Taoda et al], 1385

### Actinobacillus spp
Classification of *Actinobacillus* spp isolates from horses involved in mare reproductive loss syndrome [JM Donohue et al], 1426

### Acute Phase Proteins
Concentrations of serum amyloid A in serum and synovial fluid from healthy horses and horses with joint disease [S Jacobsen et al], 1738

### Adenovirus
Evaluation of permissiveness and cytotoxic effects in equine chondrocytes, synovial cells, and stem cells in response to infection with adenovirus 5 vectors for gene delivery [A Ishihara et al], 1145

### Adrenal Glands
Effects of oral administration of controlled-ileal-release budesonide and assessment of pituitary-adrenocortical axis suppression in clinically normal dogs [ST Stroup et al], 1173

Effect of adrenalectomy on cholecystokinin-8-induced Fos-like immunoreactivity in myenteric neurons and the dorsal vagal complex in rats [SJ Raboin et al], 1552

### Adrenergic Receptors
Quantitative mRNA analysis of adrenergic receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dislocation [B Kobel et al], 1367

mRNA expression and binding sites for \( \alpha_2 \)-adrenergic receptor subtypes in muscle layers of the ileum and spiral colon of dairy cows [EC Ontsouka et al], 1883

### Adrenocorticotropic Hormone
Effects of oral administration of controlled-ileal-release budesonide and assessment of pituitary-adrenocortical axis suppression in clinically normal dogs [ST Stroup et al], 1173

### Aeroallergens
Temporal clinical exacerbation of summer pasture-associated recurrent airway obstruction and relationship with climate and aeroallergens in horses [LRR Costa et al], 1635

### Aeromonas salmonicida
Epidemiologic cutoff values for antimicrobial agents against *Aeromonas salmonicida* isolates determined by frequency distributions of minimal inhibitory concentration and diameter of zone of inhibition data [RA Miller et al], 1837

### Age
Evaluation of the effects of animal age, concurrent bacterial infection, and pathogenicity of porcine reproductive and respiratory syndrome virus on virus concentration in pigs [JG Cho et al], 489

### AJVR Reviewers, 2005, 380

### Aldose Reductase
Effects of topical administration of an aldose reductase inhibitor on cataract formation in dogs fed a diet high in galactose [PF Kador et al], 1783

### Allergens
Temporal clinical exacerbation of summer pasture-associated recurrent airway obstruction and relationship with climate and aeroallergens in horses [LRR Costa et al], 1635

### Alpacas
Microanatomic features of pancreatic islets and immunocolorization of glucose transporters in tissues of llamas and alpacas [CK Cebra et al], 524

Pharmacokinetics of intravenously administered caffeine in healthy alpacas (*Lama pacos*) and llamas (*Lama glama*) [J Lakritz et al], 1063

Clinical, humoral, and pathologic findings in adult alpacas with experimentally induced *Corne bacterium pseudo tuberculosis* infection [WU Braga et al], 1570

### Alveoli
Effects of an alveolar recruitment maneuver on cardiovascular and respiratory parameters during total intravenous anesthesia in ponies [D Wettstein et al], 152

### Aminopyrine
Comparison of various doses of carbon 13-labeled aminopyrine
for a carbon 13-labeled aminopyrine demethylation blood test in healthy dogs [EM Moeller et al], 1110

Amiodarone
Evaluation of the pharmacokinetics and bioavailability of intravenously and orally administered amiodarone in horses [D De Cierco et al], 448

Amoxicillin
Effects of doxycycline, amoxicillin, cephalixin, and enrofloxacin on hemostasis in healthy dogs [JA Webb et al], 569
Pharmacokinetics of amoxicillin administered in drinking water to recently weaned 3- to 4-week-old pigs with diarrhea experimentally induced by *Escherichia coli* O149:F4 [GM Jensen et al], 548

Amyloid
Concentrations of serum amyloid A in serum and synovial fluid from healthy horses and horses with joint disease [S Jacobsen et al], 1738

Analgesia
Analgesic effects of epidural administration of hydromorphone in horses [CC Natalini et al], 11
Effects of intravenous administration of lidocaine on the thermal threshold in cats [BH Pypendop et al], 16
Serum concentrations and analgesic effects of liposome-encapsulated and standard butorphanol tartrate in parrots [KK Sladky et al], 775
Analgesic effects of subarachnoidally administered hyperbaric opioids in horses [CC Natalini et al], 941
Evaluation of the effects of the opioid agonist morphine on gastrointestinal tract function in horses [P Boscan et al], 992
Pharmacokinetics of the opioid antagonist N-methylnaloxone and evaluation of its effects on gastrointestinal tract function in horses treated or not treated with morphine [P Boscan et al], 998
Pharmacokinetics and clinical effects of a subanesthetic continuous rate infusion of ketamine in awake horses [CL Fielding et al], 1494
Cardiopulmonary effects of buprenorphine in horses [AB Carregaro et al], 1675

Analytic and Diagnostic Techniques
Antemortem detection of latent infection with neuropathogenic strains of equine herpesvirus-1 in horses [GP Allen et al], 2006;67:1401
Letter [FR Reilly], 2006;67:1820
Evaluation of the sensitivity and specificity of four laboratory tests for detection of occult blood in cockatiel (*Nymphicus hollandicus*) excrement [PM Gibbons et al], 2006;67:1326
Correction: 2006;67:1594
Comparison of ultrasonographic characteristics of the thyroid gland in healthy small-, medium-, and large-breed dogs [C Brömel et al], 70
Comparison of the use of new handheld tonometers and established application tonometers in dogs [C Görg et al], 134
Comparison of an indirect immunofluorescence assay, western blot analysis, and a commercially available ELISA for detection of *Ehrlichia canis* antibodies in canine sera [TP O’Connor et al], 206
Development of a collagen-binding activity assay as a screening test for type II von Willebrand disease in dogs [EP Sabino et al], 242
Measurement of total thyroxine concentration in serum from dogs and cats by use of various methods [RJ Kempainen et al], 259
Fractionation of calcium and magnesium in equine serum [I Lopez et al], 463
Evaluation of assay procedures for prediction of passive transfer status in lambs [G Massimini et al], 593
Analytical, physiologic, and clinical validation of a radiomunnoassay for measurement of procollagen type III amino terminal propeptide in serum and bronchialveolar lavage fluid obtained from dogs [S Schuller et al], 749
Detection of autoantibodies against thyroid peroxidase in serum samples of hypothyroid dogs [E Skopek et al], 809
Evaluation of cost-effectiveness of targeted sampling methods for detection of *Mycobacterium avium* subsp. *paratuberculosis* infection in dairy herds [S Tavompanich et al], 821
Indirect fluorescent antibody testing of cerebrospinal fluid for diagnosis of equine protozoal myeloencephalitis [PC Duarte et al], 869
Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 890
Evaluation of the prevalence and onset of lung lesions and their impact on growth of lambs [JA Daniel et al], 890
Serum concentrations of the third component of complement in healthy dogs and dogs with protein-losing nephropathy [MJ Acierno et al], 1105
Comparison of various doses of carbon 13-labeled aminopyrine for a carbon 13-labeled aminopyrine demethylation blood test in healthy dogs [EM Moeller et al], 1110
Use of infrared spectroscopy for diagnosis of traumatic arthritis in horses [M Vijarnsorn et al], 1286
Serum concentrations of calcium, phosphorus, magnesium, and calcitropic hormones in donkeys [I Lopez et al], 1333
Concentrations of serum amyloid A in serum and synovial fluid from healthy horses and horses with joint disease [S Jacobsen et al], 1738
Intraobserver and interobserver repeatability of oculomotor biometric measurements obtained by means of B-mode ultrasonography in dogs [SAEB Boroffka et al], 1743
Development of a fecal sample collection strategy for extraction and quantification of fecal immunoglobulin A in dogs [U Tress et al], 1756
Evaluation of recombinant human thyroid-stimulating hormone to test thyroid function in dogs suspected of having hypothyroidism [FS Boretti et al], 2012
In vitro evaluation of three bacterial culture systems for the recovery of *Escherichia coli* from equine blood [M Loenza-Figueras et al], 2025
Detection of novel papillomaviruslike sequences in paraffin-embedded specimens of invasive and in situ squamous cell carcinomas from cats [G Nespeca et al], 2036

Anatomy
Effects of anatomic conformation on three-dimensional motion of the caudal lumbar and lumbosacral portions of the vertebral column of dogs [MI Benninger et al], 43
Assessment of the geometry of the cubital (elbow) joint of dogs by use of magnetic resonance imaging [KJ Janach et al], 211
Association between limb conformation and retention of sows through the second parity [KJ Tiranti et al], 505
Correlation of magnetic resonance images with anatomic features of the equine tarsus [R Latorre et al], 201
Sectional anatomic and magnetic resonance imaging features of coelomic structures of loggerhead sea turtles [ALS Valente et al], 1347
Cytoarchitecture, morphology, and lumbosacral spinal cord projections of the red nucleus in cattle [R Chiocchetti et al], 1662

Anesthesiology
Effect of intravenous administration of ketamine on the minimum alveolar concentration of isoflurane in anesthetized dogs [AM Solano et al], 21
Influence of metoclopramide on gastroesophageal reflux in anesthetized dogs [DV Wilson et al], 26
Comparison of hemodynamic, clinicopathologic, and gastrointestinal motility effects and recovery characteristics of anesthesia with isoflurane and halothane in horses undergoing arthroscopic surgery [S Durongphongtorn et al], 32
Effects of an alveolar recruitment maneuver on cardiovascular...
and respiratory parameters during total intravenous anesthesia in ponies [D Wettstein et al], 152
Effect of body position on cranial migration of epidurally injected methylene blue in recumbent dogs [AA Gorgi et al], 219
Effects of preoperative epidural administration of racemic ketamine for analgesia in sheep undergoing surgery [AGP Guedes et al], 222
Influence of gastrointestinal tract disease on pharmacokinetics of lidocaine after intravenous infusion in anesthetized horses [DJ Feary et al], 317
Cardiovascular effects of desflurane in mechanically ventilated calves [RD Keegan et al], 387
Median effective dose of isoflurane, sevoflurane, and desflurane in green iguanas [LS Barter et al], 392
Effect of intratracheal administration of lidocaine on cardiovascular responses to castration in isoflurane-anesthetized stallions [HA Haga et al], 403
Use of force plate analysis to assess the analgesic effects of etodolac in horses with navicular syndrome [KD Symonds et al], 587
Evaluation of administration of isoflurane at approximately the minimum alveolar concentration on depression of a nociceptive withdrawal reflex evoked by transected electrical stimulation in ponies [C Spadavecchia et al], 762
Effect of meloxicam and butorphanol on minimum alveolar concentration of isoflurane in rabbits [PV Turner et al], 770
Serum concentrations and analgesic effects of liposome-encapsulated and standard butorphanol tartrate in parrots [KK Sladky et al], 775
Effect of medetomidine on respiration and minimum alveolar concentration in halothane- and isoflurane-anesthetized dogs [P Lerche et al], 782
Effect of changes in ionized calcium concentration in arterial blood and metabolic acidosis on the arterial partial pressure of oxygen in dogs [I Lopez et al], 801
Gait abnormalities caused by selective anesthesia of the supraspinal nerve in horses [DV Devine et al], 834
Evaluation of isoflurane and sevoflurane vaporizers over a wide range of oxygen flow rates [TD Ambrioso et al], 896
Impact of dopamine or dobutamine infusions on cardiovascular variables after rapid blood loss and volume replacement during isoflurane-induced anesthesia in dogs [DH Dyson et al], 1121
Use of end-tidal partial pressure of carbon dioxide to predict arterial partial pressure of carbon dioxide in hamp seals during isoflurane-induced anesthesia [DSJ Pang et al], 1131
Effects of ketamine, diazepam, and their combination on intraocular pressures in clinically normal dogs [DH Hofmeister et al], 1136
Effect of four sedative and anesthetic protocols on quantitative thyroid scintigraphy in euthyroid cats [AG Schaafsmia et al], 1362
Effects of epidural administration of morphine and buprenorphine on the minimum alveolar concentration of isoflurane in cats [BH Pypendop et al], 1471
Comparison of high (5%) and low (1%) concentrations of micellar microemulsion propofol formulations with a standard (1%) lipid emulsion in horses [P Boscain et al], 1476
Pharmacokinetics and clinical effects of a subanesthetic continuous rate infusion of ketamine in awake horses [CL Fielding et al], 1484
Effects of increasing infusion rates of dopamine, dobutamine, epinephrine, and phenylephrine in healthy anesthetized cats [PJ Pascoe et al], 1491
Pharmacokinetics of inhaled anesthetics in green iguanas (Iguana iguana), 1670
Cardiopulmonary effects of buprenorphine in horses [AB Carregaro et al], 1675
Effects of dobutamine, norepinephrine, and vasopressin on cardiovascular function in anesthetized neonatal foals with induced hypotension [A Valverde et al], 1730
Duration of corneal anesthesia following topical administration of 0.5% propacaine hydrochloride solution in clinically normal cats [DR Binder et al], 1780
Influence of halothane, isoflurane, and sevoflurane on gastrointestinal reflux during anesthesia in dogs [DV Wilson et al], 1821
Comparison of variability in cardiorespiratory measurements following desflurane anesthesia at a multiple of the minimum alveolar concentration for each dog versus a multiple of a single predetermined minimum alveolar concentration for all dogs in a group [BH Pypendop et al], 1956
Effects of ketamine and magnesium on the minimum alveolar concentration of isoflurane in goats [P Queiroz-Castro et al], 1962
Effects of carprofen on renal function during medetomidine-propofol-isoflurane anesthesia in dogs [JHM Frendin et al], 1967

Anions
Detection of superoxide anion generation by equine spermatozoa [K Sabeur et al], 701

Annulus
Quantitative assessment of velocities of the annulus of the left atrioventricular valve and left ventricular free wall in healthy cats by use of two-dimensional color tissue Doppler imaging [V Chetboul et al], 2006;67:250
Correction, 2006;67:488

Anthrelmintics
Pharmacokinetics of a novel formulation of ivermectin after administration to goats [A González et al], 323

Antibodies
Serologic evidence of vesivirus-specific antibodies associated with abortion in horses [A Kurth et al], 2006;67:1033
Correction: 2006;67:1265

Anticoagulants
Assessment of ruminal degradation, oral bioavailability, and toxic effects of anticoagulant rodenticides in sheep [PJ Berny et al], 363

Antifungal Drugs
Pharmacokinetics of voriconazole after oral and intravenous administration to horses [JL Davis et al], 1070

Antimicrobial Resistance
Role of coreistance in the development of resistance to chloramphenicol in Escherichia coli isolated from sick cattle and kittens [K Harada et al], 230
Use of a simulation model to evaluate sampling strategies for characterization of antimicrobial resistance in non–type-specific Escherichia coli isolated from dairy cows [A Villarroel et al], 951
Clinical, microbiological, and molecular characterization of methicillin-resistant Staphylococcus aureus infections of cats [DO Morris et al], 1421
Prevalence and antimicrobial resistance patterns of Salmonella enterica in preweaned calves from dairies and calf ranches [DH Gian et al], 1580
Association between cefotiofur use and isolation of Escherichia coli with reduced susceptibility to ceftriaxone from fecal samples of dairy cows [LA Tragesser et al], 1696
In vitro analysis of nonthermal plasma as a disinfecting agent [AE Watts et al], 2030

Antimicrobials
Evaluation of concentration of voriconazole in aqueous humor after topical and oral administration in horses [AB Clode et al], 296
Pharmacokinetics and tissue distribution of doxycycline after oral administration of single and multiple doses in horses [JL Davis et al], 310
Gentamicin concentrations in synovial fluid and joint tissues during intravenous administration or continuous intra-articular infusion of the tarsocrural joint of clinically normal horses [TB Lescun et al], 409
Pharmacokinetics of fluconazole after oral administration of single and multiple doses in African grey parrots [K Flammer et al], 417

In vitro efficacy of a buffered chelating solution as an antimicrobial potential for antifungal drugs against fungal pathogens obtained from horses with mycotic keratitis [WL Weinstein et al], 562

Effects of doxycycline, amoxicillin, cephalaxin, and enrofloxacin on hemostasis in healthy dogs [JA Webb et al], 569

Endotoxin-neutralizing activity of polymyxin B in blood after IV administration in horses [PR Morresey et al], 642

Pharmacokinetics of amoxicillin administered in drinking water to recently weaned 3- to 4-week-old pigs with diarrhea experimentally induced by Escherichia coli O149:F4 [GM Jensen et al], 648


Effect of intraluminal distension or ischemic strangulation obstruction on the equine jejunal motilin receptors and binding of erythromycin lactobionate [JB Koenig et al], 815

Pharmacokinetics of marbofloxacin in blue and gold macaws (Ara ararauna) [JW Carpenter et al], 947

In vitro activity of an ear rinse containing temomethane, EDTA, and benzyl alcohol on bacterial pathogens from dogs with otitis [LK Cole et al], 1040

Pharmacokinetics of difloxacin after intravenous, intramuscular, and intragastric administration to horses [E Fernández-Varón et al], 1076

Assessment of antimicrobial transfer from treated to untreated mammary gland quarters by use of high-pressure liquid chromatography for detection of cloxacinil in milk samples from nonlactating dairy cows [CJ Sanford et al], 1140

Gentamicin concentrations in synovial fluid obtained from the tarsocural joints of horses after implantation of gentamicin-impregnated collagen sponges [KM Ivester et al], 1519

Pharmacokinetics of clarithromycin and concentrations in body fluids and bronchoalveolar cells of foals [AY Womble et al], 1681

Pharmacokinetics and pharmacodynamics of enrofloxacin and a low dose of amikacin administered via regional intravenous limb perfusion in standing horses [A Parra-Sanchez et al], 1687

Association between cefetamyl use and isolation of Escherichia coli with reduced susceptibility to ceftriaxone from fecal samples of dairy cows [LA Tragesser et al], 1696

Evaluation of safety and pharmacokinetics of vancomycin after intraosseous regional limb perfusion and comparison of results with those obtained after intravenous regional limb perfusion in horses [LM Rubio-Martinez et al], 1701

Epidemiologic cutoff values for antimicrobial agents against Aeromonas salmonicida isolates determined by frequency distributions of minimal inhibitory concentration and diameter of zone of inhibition data [RA Miller et al], 1837

Evaluation of a model for Escherichia coli O157:H7 colonization in streptococmy-treated adult cattle [TSA Snider et al], 1914

Antimicrobial Susceptibility


Genetic diversity and antimicrobial susceptibility profiles among mastitis-causing Staphylococcus aureus isolated from bovine milk samples [KL Anderson et al], 1195

Antioxidants

Effect of dietary lipoic acid on metabolic hormones and acute-phase proteins during challenge with infectious bovine rhinotracheitis virus in cattle [TB Schmidt et al], 1192

Aqueous Humor

Evaluation of concentration of voriconazole in aqueous humor after topical and oral administration in horses [AB Clode et al], 296

Arrhythmias

Evaluation of the pharmacokinetics and bioavailability of intravenously and orally administered amiodarone in horses [D De Clercq et al], 448

Arterial Pressure

Comparison of variability in cardiorespiratory measurements following desflurane anesthesia at a multiple of the minimum alveolar concentration for each dog versus a multiple of a single predetermined minimum alveolar concentration for all dogs in a group [BH PyPEND et al], 1956

Arteries

Accuracy of an oscillometric blood pressure monitor during phenylephrine-induced hypertension in dogs [RM McMurphy et al], 1541

Arthritis

Use of infrared spectroscopy for diagnosis of traumatic arthritis in horses [M Vijnarnsorn et al], 1286

Arthrodesis

Use of intra-articular administration of ethyl alcohol for arthrodesis of the tarsometatarsal joint in healthy horses [RW Shoemaker et al], 850

Aspirin

Effects of deracoxib and aspirin on serum concentrations of thyroxine, 3,5,3-triiodothyronine, free thyroxine, and thyroid-stimulating hormone in healthy dogs [DL Panciera et al], 599

ATP2A1

Exclusion of linkage of the RYR1, CACNA1S, and ATP2A1 genes to recurrent exertional rhabdomyolysis in Thoroughbreds [PK Dranchak et al], 1395

Autoantibodies

Detection of autoantibodies against thyroid peroxidase in serum samples of hypothyroid dogs [E Skopek et al], 809

B

Bacteria

Evaluation of the effects of short-chain fatty acids and extracellular pH on bovine neutrophil function in vitro [SW Mills et al], 2006;67:1901

Correction: 2006;67:2035

Role of coresistance in the development of resistance to chloramphenicol in Escherichia coli isolated from sick cattle and pigs [K Harada et al], 230

Evaluation of the effects of animal age, concurrent bacterial infection, and pathogenicity of porcine reproductive and respiratory syndrome virus on virus concentration in pigs [JG Cho et al], 489

Attempted transmission of Candidatus Mycoplasma haemominutum and Mycoplasma haemofelis by feeding cats infected with Ctenocephalides felis [JE Woods et al], 494

Evaluation of historical factors influencing the occurrence and distribution of Mycobacterium bovis infection among wildlife in Michigan [R Miller et al], 604

Associations among Listeria monocytogenes genotypes and distinct clinical manifestations of listeriosis in cattle [MA Pohl et al], 616

Pharmacokinetics of amoxicillin administered in drinking water to recently weaned 3- to 4-week-old pigs with diarrhea experimentally induced by Escherichia coli O149:F4 [GM Jensen et al], 648

Evaluation of changes in antimicrobial susceptibility patterns of Pasteurella multocida subsp multocida isolates from pigs in
Evaluation of cost-effectiveness of targeted sampling methods for detection of *Mycobacterium avium* subsp *paratuberculosis* infection in dairy herds [S Tavolpanich et al], 821

Prevalence of exposure to *Salmonella* spp in finishing swine marketed in Iowa [AM O’Connor et al], 829

Use of a simulation model to evaluate sampling strategies for characterization of antimicrobial resistance in non-type-specific *Escherichia coli* isolated from dairy cows [A Villarroel et al], 951

Effects of *Lactobacillus acidophilus* DSM13241 as a probiotic in healthy adult cats [ZV Marshall-Jones et al], 1005

Effect of fetal bovine serum and heat-inactivated fetal bovine serum on microbial cell wall-induced expression of procoagulant activity by equine and canine mononuclear cells in vitro [S Okano et al], 1020

In vitro activity of an ear rinse containing tromethamine, EDTA, and benzyl alcohol on bacterial pathogens from dogs with otitis [LK Cole et al], 1040

Expression of molecular markers in blood of neonatal foals with sepsis [N Pusterla et al], 1045

Genetic diversity and antimicrobial susceptibility profiles among mastitis-causing *Staphylococcus aureus* isolated from bovine milk samples [KL Anderson et al], 1185

Genotypic relatedness of staphylococcal strains isolated from pustules and carriage sites in dogs with superficial bacterial folliculitis [LR Pinchbeck et al], 1337

Clinical, microbiological, and molecular characterization of methillin-resistant *Staphylococcus aureus* infections of cats [DO Morris et al], 1421

Classification of *Actinobacillus* spp isolates from horses involved in mare reproductive loss syndrome [JM Donohue et al], 1426

Clinical, humoral, and pathologic findings in adult alpacas with experimentally induced *Corne bacterium pseudotuberculosis* infection [WU Braga et al], 1570

Prevalence and antimicrobial resistance patterns of *Salmonella enteritica* in preweaned calves from dairies and calf ranches [DH Qian et al], 1580

Association between cefotilur use and isolation of *Escherichia coli* with reduced susceptibility to ceftriaxone from fecal samples of dairy cows [LA Tragesser et al], 1696

Parenteral vaccination of domestic pigs with *Brucella abortus* strain RB51 [WC Stoffregen et al], 1802

Epidemiologic cutoff values for antimicrobial agents against *Aeromonas salmonicida* isolates determined by frequency distributions of minimal inhibitory concentration and diameter of zone of inhibition data [RA Miller et al], 1837

Age-dependent seroprevalence of antibodies against a *Helicobacter pylori*-like organism and *Helicobacter pylori* in commercially reared swine [JA Ellis et al], 1890

Evaluation of a model for *Escherichia coli* O157:H7 colonization in streptomycin-treated adult cattle [TA Snider et al], 1914

**Bacteroides** spp

Evaluation of the effects of short-chain fatty acids and extracellular pH on bovine neutrophil function in vitro [SW Mills et al], 2006;67:1901

Correction: 2006;67:2035

Bears

Blood lipid concentrations and lipoprotein patterns in captive and wild American black bears (*Ursus americanus*) [N Frank et al], 335

Bovine Cattle

Prevalence of vesivirus in a laboratory-based set of serum samples obtained from dairy and beef cattle [A Kurth et al], 114

Behavior

Elimination behavior patterns of domestic cats (*Felis catus*) with and without elimination behavior problems [W Sung et al], 1500

**Benzyl Alcohol**

In vitro activity of an ear rinse containing tromethamine, EDTA, and benzyl alcohol on bacterial pathogens from dogs with otitis [LK Cole et al], 1040

**Bicarbonate**

Effect of suckling isotonic or hypertonic solutions of sodium bicarbonate or glucose on abomasal emptying rate in calves [LS Sen et al], 1377

β III-tubulin

Expression of neural markers on bone marrow-derived canine mesenchymal stem cells [H Kamishina et al], 1921

**Bioelectric Properties**

In vitro effects of hydrochloric acid and various concentrations of acetic, propionic, butyric, or valeric acids on bioelectric properties of equine gastric squamous mucosa [PM Andrews et al], 1873

**Biomechanics**

Effects of anatomic conformation on three-dimensional motion of the caudal lumbar and lumbosacral portions of the vertebral column of dogs [MT Benninger et al], 43

Biomechanical and histologic comparison of single-layer continuous Cushin and simple continuous appositional cystotomy closure by use of poliglecaprone 25 in rats with experimentally induced inflammation of the urinary bladder [BE Hildreth III et al], 686

Effect of width of disk fenestration and a ventral slot on biomechanics of the canine C5-C6 vertebral motion unit [AE Fauber et al], 1844

**Biometrics**

Intraobserver and interobserver repeatability of ocular biometric measurements obtained by means of B-mode ultrasonography in dogs [SAE Borofka et al], 1743

**Birds**

Serum concentrations and analgesic effects of liposome-encapsulated and standard butorphanol tartrate in parrots [KK Sladky et al], 775

Pharmacokinetics of marbofloxacin in blue and gold macaws (*Ara ararauna*) [JO Carpenter et al], 947

Isolation and characterization of a coronavirus from pigeons with pancreatitis [DH Qian et al], 1575

**Bladder**

Biomechanical and histologic comparison of single-layer continuous Cushin and simple continuous appositional cystotomy closure by use of poliglecaprone 25 in rats with experimentally induced inflammation of the urinary bladder [BE Hildreth III et al], 686

Evaluation of the effects of stress in cats with idiopathic cystitis [JL Westropp et al], 731

**Blalock-Taussig Procedure**

Use of a jugular vein graft in a modified Blalock-Taussig procedure in dogs [A Pelosi et al], 174

**Blood**

Evaluation of the sensitivity and specificity of four laboratory tests for detection of occult blood in cockatiel (*Nymphicus hollandicus*) excrement [PM Gibbons et al], 2006;67:1326

Correction: 2006;67:1594

Endotoxin-neutralizing activity of polymyxin B in blood after IV administration in horses [FR Moreno et al], 642

Activity of feline interferon-omega after ocular or oral administration in cats as indicated by Mx protein expression in conjunctival and white blood cells [T Bracklein et al], 1025
Blood Cultures
In vitro evaluation of three bacterial culture systems for the recovery of Escherichia coli from equine blood [M Loenza-Figueras et al], 2025

Blood Gases
Effect of changes in ionized calcium concentration in arterial blood and metabolic acidosis on the arterial partial pressure of oxygen in dogs [I Lopez et al], 801

Blood Pressure
Effects of dobutamine, norepinephrine, and vasopressin on cardiovascular function in anesthetized neonatal foals with induced hypotension [A Valverde et al], 1730

Blood Vessels
Use of flow-mediated vasodilation technique to assess endothelial function in dogs [GD Puglia et al], 1533
Evaluation of peripheral and central venous pressure in awake dogs and cats [RS Chow et al], 1987

B-mode
Comparison of B-mode and Doppler ultrasonographic findings with histologic features of benign and malignant superficial lymph nodes in dogs [HT Nyman et al], 978

Body Size
Evaluation of association between body size and intestinal transit time in healthy dogs [DC Hernot et al], 342

Bone
Vascular distribution of contrast medium during intraosseous regional perfusion of the distal portion of the equine forelimb [GJ Keys et al], 1445
Relationship between stages of the estrous cycle and bone cell activity in Thoroughbreds [BF Jackson et al], 1527

Bone Marrow
Evaluation of permissiveness and cytotoxic effects in equine chondrocytes, synovial cells, and stem cells in response to infection with adenovirus 5 vectors for gene delivery [A Ishihara et al], 1145
Use of a centrifugation-based, point-of-care device for production of canine autologous bone marrow and platelet concentrates [MS Thoesen et al], 1655
Expression of neural markers on bone marrow-derived canine mesenchymal stem cells [H Kamishina et al], 1921

Bones
Evaluation of delayed-image bone scintigraphy to assess bone formation after distraction osteogenesis in dogs [LF Theyse et al], 790
Assessment of bone mineral density of the femoral head in dogs with early osteoarthritis [HJ Chalmers et al], 796
Genetic analyses of the radiographic appearance of the distal sesamoid bones in Hanoverian Warmblood horses [KF Stock et al], 1013
Histomorphometric analysis of articular cartilage, zone of calcified cartilage, and subchondral bone plate in femoral heads from clinically normal dogs and dogs with moderate or severe osteoarthritis [BM Daubs et al], 1719

Bovine Coronavirus
Transmission of bovine coronavirus and serologic responses in feedlot calves under field conditions [CJ Thomas et al], 1412

Bovine Herpesvirus
Induction of antigen-specific T-cell subset activation to bovine respiratory disease viruses by a modified-live virus vaccine [R Platt et al], 1179

Bovine Respiratory Syncytial Virus (BRSV)
Induction of antigen-specific T-cell subset activation to bovine respiratory disease viruses by a modified-live virus vaccine [R Platt et al], 1179

Bovine Viral Diarrhea Virus (BVDV)
Induction of antigen-specific T-cell subset activation to bovine respiratory disease viruses by a modified-live virus vaccine [R Platt et al], 1179

Brain
Association between incubation time and genotype in sheep experimentally inoculated with scrapie-positive brain homogenate [MS Bulgin et al], 498

Bronadiolone
Assessment of ruminal degradation, oral bioavailability, and toxic effects of anticoagulant rodenticides in sheep [PJ Berny et al], 363

Bronchial
Cellular composition of bronchial brushings obtained from healthy dogs and dogs with chronic cough and cytologic composition of bronchoalveolar lavage fluid obtained from dogs with chronic cough [EC Hawkins et al], 160
Immunohistochemical determination of the expression of endothelin receptors in bronchial smooth muscle and epithelium of healthy horses and horses affected by summer pasture-associated obstructive pulmonary disease [S Polikephad et al], 348
Time-dependent alterations in gene expression of interleukin-8 in the bronchial epithelium of horses with recurrent airway obstruction [DM Ainsworth et al], 669

Bronchoalveolar Cells
Pharmacokinetics of clarithromycin and concentrations in body fluids and bronchoalveolar cells of foals [AY Womble et al], 1681

Bronchoalveolar Lavage
Cellular composition of bronchial brushings obtained from healthy dogs and dogs with chronic cough and cytologic composition of bronchoalveolar lavage fluid obtained from dogs with chronic cough [EC Hawkins et al], 160

Brucella spp
Parenteral vaccination of domestic pigs with Brucella abortus strain RB51 [WC Stoffregen et al], 1802

Budesonide
Effects of oral administration of controlled-ileal-release budesonide and assessment of pituitary-adrenocortical axis suppression in clinically normal dogs [ST Stroup et al], 1173

Buprenorphine
Effects of epidural administration of morphine and buprenorphine on the minimum alveolar concentration of isoflurane in cats [BH Pypendop et al], 1471
Cardiopulmonary effects of buprenorphine in horses [AB Carregar et al], 1875

Butorphanol
Effect of meloxicam and butorphanol on minimum alveolar concentration of isoflurane in rabbits [PV Turner et al], 770
Serum concentrations and analgesic effects of liposome-encapsulated and standard butorphanol tartrate in parrots [KK Sladky et al], 775
Butyric Acid
In vitro effects of hydrochloric acid and various concentrations of acetic, propionic, butyric, or valeric acids on bioelectronic properties of equine gastric squamous mucosa [FM Andrews et al], 1873

CACNA1S
Exclusion of linkage of the RYR1, CACNA1S, and ATP2A1 genes to recurrent exrtentional rhabdomyolysis in Thoroughbreds [PK Dranchak et al], 1395

Calcitriol
Serum concentrations of calcium, phosphorus, magnesium, and calcitropic hormones in donkeys [I Lopez et al], 1333

Calcium
Fractionation of calcium and magnesium in equine serum [I Lopez et al], 463
Effect of changes in ionized calcium concentration in arterial blood and metabolic acidosis on the arterial partial pressure of oxygen in dogs [I Lopez et al], 801
Serum concentrations of calcium, phosphorus, magnesium, and calcitropic hormones in donkeys [I Lopez et al], 1333

Calcium Carbonate
In vitro effects of hydrochloric acid and various concentrations of acetic, propionic, butyric, or valeric acids on bioelectronic properties of equine gastric squamous mucosa [FM Andrews et al], 1873

Cancer
Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 877

Capnography
Use of end-tidal partial pressure of carbon dioxide to predict arterial partial pressure of carbon dioxide in harsps during isoflurane-induced anesthesia [DSJ Pang et al], 1131

Carbohydrates
Effects of endothelin receptor antagonist and nitroglycerin on digital vascular function in horses during the prodromal stages of carbohydrate overload-induced laminitis [SC Eades et al], 1204
Role of cholecystokinin in the gastric motor response to a meal in horses [M Lorenzo-Figuera et al], 1998

Carbon 13
Comparison of various doses of carbon 13-labeled aminopyrine for a carbon 13-labeled aminopyrine demethylation blood test in healthy dogs [EM Moeller et al], 1110

Carbon Dioxide
Use of end-tidal partial pressure of carbon dioxide to predict arterial partial pressure of carbon dioxide in harsps during isoflurane-induced anesthesia [DSJ Pang et al], 1131

Carcinoma
Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 890
Detection of novel papillomavirus-like sequences in paraffin-embedded specimens of invasive and in situ squamous cell carcinomas from cats [G Nespècca et al], 2036

Cardiology
Evaluation of the pharmacokinetics and bioavailability of intravenously and orally administered amiodarone in horses [D De Clercq et al], 448

Cardiomyopathy
Neurohormonal, hemodynamic, and electrophysiologic evaluations of healthy dogs receiving long-term administration of doxorubicin [R Chamié Alves de Souza et al], 2006;67:1319
Correction: 2006;67:1779
Characterization of canine mitochondrial protein expression in natural and induced forms of idiopathic dilated cardiomyopathy [R Lopes et al], 963
Correlation of mitochondrial protein expression in complexes I to V with natural and induced forms of canine idiopathic dilated cardiomyopathy [R Lopes et al], 971
Correlation between activation of the sympathetic nervous system estimated by plasma concentrations of norepinephrine and Doppler echocardiographic variables in dogs with acquired heart disease [MM Santos et al], 1163

Cardiovascular System
Neurohormonal, hemodynamic, and electrophysiologic evaluations of healthy dogs receiving long-term administration of doxorubicin [R Chamié Alves de Souza et al], 2006;67:1319
Correction: 2006;67:1779
Quantitative assessment of velocities of the annulus of the left atrioventricular valve and left ventricular free wall in healthy cats by use of two-dimensional color tissue Doppler imaging [V Chetboul et al], 2006;67:250
Correction: 2006;67:488
Effects of an alveolar recruitment maneuver on cardiovascular and respiratory parameters during total intravenous anesthesia in ponies [D Wettstein et al], 152
Use of a jugular vein graft in a modified Blalock-Taussig procedure in dogs [A Pelosi et al], 174
Cardiovascular effects of desflurane in mechanically ventilated calves [RD Keegan et al], 387
Effect of intratracheal injection of lidocaine on cardiovascular responses to castration in isoflurane-anesthetized stallions [HA Haga et al], 403
Changes in heart rate and heart rate variability in Thoroughbreds during prolonged road transportation [H Ohmura et al], 455
Hemodynamic effects of methylprednisolone acetate administration in cats [T Ployngam et al], 583
Effect of changes in ionized calcium concentration in arterial blood and metabolic acidosis on the arterial partial pressure of oxygen in dogs [I Lopez et al], 801
Characterization of canine mitochondrial protein expression in natural and induced forms of idiopathic dilated cardiomyopathy [R Lopes et al], 963
Correlation of mitochondrial protein expression in complexes I to V with natural and induced forms of canine idiopathic dilated cardiomyopathy [R Lopes et al], 971
Impact of dopamine or dobutamine infusions on cardiovascular variables after rapid blood loss and volume replacement during isoflurane-induced anesthesia in dogs [DH Dysaon et al], 1121
Correlation between activation of the sympathetic nervous system estimated by plasma concentrations of norepinephrine and Doppler echocardiographic variables in dogs with acquired heart disease [MM Santos et al], 1163
Effects of endothelin receptor antagonist and nitroglycerin on digital vascular function in horses during the prodromal stages of carbohydrate overload-induced laminitis [SC Eades et al], 1204
Effects of ramipril on renal function during progressive overpacing-induced heart failure in dogs [M Mathieu et al], 1236
Genomic expression patterns of mitral valve tissues from dogs with degenerative mitral valve disease [MA Oyama et al], 1307
Vascular distribution of contrast medium during intravascular regional perfusion of the distal portion of the equine forelimb [GJ Keys et al], 1445
Evaluation of manufacturing variability, diffusion of filling solutions, and long-term maintenance of occlusion in silicone hydraulic occluders [CW Sereda et al], 1453
Effects of increasing infusion rates of dopamine, dobutamine, epinephrine, and phenylephrine in healthy anesthetized cats [FJ Pascoe et al], 1491
Use of flow-mediated vasodilation technique to assess endothelial function in dogs [GD Puglia et al], 1533
Accuracy of an oscillometric blood pressure monitor during phenylephrine-induced hypertension in dogs [RM McMurphy et al], 1541
Evaluation of a covered-rod silicone implant containing ivermectin for long-term prevention of heartworm infection in dogs [CP Cunningham et al], 1564
Cardiopulmonary effects of buprenorphine in horses [AB Carregaro et al], 1675
M-mode and Doppler echocardiographic reference values for male New Zealand white rabbits [APN Fontes-Sousa et al], 1725
Effects of dobutamine, norepinephrine, and vasopressin on cardiovascular function in anesthetized neonatal foals with induced hypotension [A Valverde et al], 1730
Comparison of variability in cardiorespiratory measurements following desflurane anesthesia at a multiple of the minimum alveolar concentration for each dog versus a multiple of a single predetermined minimum alveolar concentration for all dogs in a group [BH Pypendop et al], 1956
Carprofen
Effect of short-term sequential administration of nonsteroidal anti-inflammatory drugs on the stomach and proximal portion of the duodenum in healthy dogs [KL Dowers et al], 1794
Effects of carprofen on renal function during medetomidine-propofol-isoflurane anesthesia in dogs [JHM Frendin et al], 1920
Cardilage
Measurement of urinary glycosaminoglycans in dogs [DC Grant et al], 51
Assessment of the catabolic effects of interleukin-1β on proteoglycan metabolism in equine cartilage cocultured with synoviocytes [AJ Gregg et al], 957
Evaluation of permissiveness and cytotoxic effects in equine chondrocytes, synovial cells, and stem cells in response to infection with adenovirus 5 vectors for gene delivery [A Ishihara et al], 1145
Cartilage-derived biomarkers and lipid mediators of inflammation in horses with osteochondritis dissecans of the distal intermediate ridge of the tibia [JC de Grauw et al], 1156
Comparison of techniques for determination of chondrocyte viability after thermal injury [B Rauch et al], 1280
Gross, histologic, and gene expression characteristics of osteoarthritic articular cartilage of the metacarpal condyle of horses [KJ Smith et al], 1299
Assessment of the use of RNA quality metrics for the screening of articular cartilage specimens from clinically normal dogs and dogs with osteoarthritis [DN Clements et al], 1438
Effects of thermal energy on chondrocyte viability [JR Voss et al], 1708
Histomorphometric analysis of articular cartilage, zone of calcified cartilage, and subchondral bone plate in femoral heads from clinically normal dogs and dogs with moderate or severe osteoarthritis [BM Daubs et al], 1719
Castration
Effect of intratesticular injection of lidocaine on cardiovascular responses to castration in isoflurane-anesthetized stallions [HA Haga et al], 403
Catabolism
Assessment of the catabolic effects of interleukin-1β on proteoglycan metabolism in equine cartilage cocultured with synoviocytes [AJ Gregg et al], 957
Cataracts
Effects of topical administration of an aldose reductase inhibitor on cataract formation in dogs fed a diet high in galactose [PF Kador et al], 1783
Catecholamines
Evaluation of the effects of stress in cats with idiopathic cystitis [JL Westropp et al], 731
Catheters
Evaluation of peripheral and central venous pressure in awake dogs and cats [RS Chow et al], 1987
Cattle
Prevalence of vesivirus in a laboratory-based set of serum samples normal obtained from dairy and beef cattle [A Kurth et al], 114
Evaluation of cost-effectiveness of targeted sampling methods for detection of Mycobacterium avium subsp paratuberculosis infection in dairy herds [S Tavornpanich et al], 821
Monitoring responses by use of five-color flow cytometry in subsets of peripheral T cells obtained from cattle inoculated with a killed Mycobacterium avium subsp paratuberculosis vaccine [R Platt et al], 2050
Cecal Dilatation-Dislocation
Distribution of mRNA coding for 5-hydroxytryptamine receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dislocation [LJ Engle et al], 95
Cecum
Quantitative mRNA analysis of adrenergic receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dislocation [B Kobel et al], 1367
Distribution of muscarinic receptor subtypes and interstitial cells of Cajal in the gastrointestinal tract of healthy dairy cows [MH Stoffel et al], 1992
Ceftiofur
Association between ceftiofur use and isolation of Escherichia coli with reduced susceptibility to ceftriaxone from fecal samples of dairy cows [LA Tragesser et al], 1696
Ceftriaxone
Association between ceftiofur use and isolation of Escherichia coli with reduced susceptibility to ceftriaxone from fecal samples of dairy cows [LA Tragesser et al], 1696
Cell Culture
Comparison of cell populations derived from canine olfactory bulb and olfactory mucosal cultures [D Itto et al], 1050
Centrifugation
Use of a centrifugation-based, point-of-care device for production of canine autologous bone marrow and platelet concentrates [MS Thoesen et al], 1655
Cephalexin
Effects of doxycycline, amoxicillin, cephalaxin, and enrofloxacin on hemostasis in healthy dogs [JA Webb et al], 569
Cerebrospinal Fluid
Matrix metalloproteinase-9 activity in the cerebrospinal fluid and serum of dogs with acute spinal cord trauma from intervertebral disk disease [JM Levine et al], 283
Indirect fluorescent antibody testing of cerebrospinal fluid for diagnosis of equine protozoal myelonecephalitis [PC Duarte et al], 869
Comparison analysis of cytokine gene expression in cerebrospinal fluid of horses without neurologic signs or with selected neurologic disorders [N Pusterla et al], 1433
Cerebrospinal fluid
Matrix metalloproteinase-9 activity in the cerebrospinal fluid and serum of dogs with acute spinal cord trauma from intervertebral disk disease [JM Levine et al], 283
Cheetahs
Analysis of genetic mutations in the 7a7b open reading frame of coronavirus of cheetahs (Acinonyx jubatus) [MA Kennedy et al], 627

Chelation
In vitro efficacy of a buffered chelating solution as an antimicrobial potentiator for antifungal drugs against fungal pathogens obtained from horses with mycotic keratitis [WL Weinstein et al], 562

Chemotherapy
Neurohormonal, hemodynamic, and electrocardiographic evaluations of healthy dogs receiving long-term administration of doxorubicin [R Chamié Alves de Souza et al], 2006;67:1319 Correction: 2006;67:1779
Evaluation of the effects of dietary n-3 fatty acid supplementation on the pharmacokinetics of doxorubicin in dogs with lymphoma [KA Selting et al], 145
Phase I and pharmacokinetic evaluation of the combination of orally administered docetaxel and cyclosporin A in tumor-bearing dogs [MC McEntee et al], 1057

Chloramphenicol
Role of coresistance in the development of resistance to chloramphenicol in Escherichia coli isolated from sick cattle and pigs [K Harada et al], 230

Chlorophacine
Assessment of ruminal degradation, oral bioavailability, and toxic effects of anticoagulant rodenticides in sheep [PJ Berny et al], 363

Cholecystokinin
Effect of adrenalectomy on cholecystokinin-8-induced Fos-like immunoreactivity in myenteric neurons and the dorsal vagal complex in rats [SJ Raboin et al], 1552
Role of cholecystokinin in the gastric motor response to a meal in horses [M Lorenza-Figueras et al], 1998

Chondrocytes
Evaluation of permissiveness and cytotoxic effects in equine chondrocytes, synovial cells, and stem cells in response to infection with adenovirus 5 vectors for gene delivery [A Ishihara et al], 1145
Comparison of techniques for determination of chondrocyte viability after thermal injury [B Rauch et al], 1280
Effects of thermal energy on chondrocyte viability [JR Voss et al], 1708
Effects of sodium hyaluronate and methylprednisolone acetate on proteoglycan metabolism in equine articular chondrocytes treated with interleukin-1 [AC Yates et al], 1980

Clarithromycin
Pharmacokinetics of clarithromycin and concentrations in body fluids and bronchoalveolar cells of foals [AY Womble et al], 1681

Climate
Temporal clinical exacerbation of summer pasture-associated recurrent airway obstruction and relationship with climate and aeroallergens in horses [LRR Costa et al], 1635

Clinical Pathology
Effects of phenylbutazone alone or in combination with flunixin meglumine on blood protein concentrations in horses [SK Reed et al], 2006;67:398
Letter [FK Reilly], 2006;67:747
Response [SK Reed et al], 2006;67:747
Serum lipase activities and pancreatic lipase immunoreactivity concentrations in dogs with exocrine insufficiency [JM Steiner et al], 84

Fractionation of calcium and magnesium in equine serum [I Lopez et al], 463
Hemodynamic effects of methylprednisone acetate administration in cats [T Ployngam et al], 583
Evaluation of assay procedures for prediction of passive transfer status in lambs [G Massimini et al], 593
Serum concentrations of the third component of complement in healthy dogs and dogs with protein-losing nephropathy [MJ Acierno et al], 1105
Effects of dexamethasone and isoflupredone acetate on plasma potassium concentrations and other biochemical measurements in dairy cows in early lactation [NJ Coffey et al], 1244
Serum concentrations of calcium, phosphorus, magnesium, and calciotropic hormones in donkeys [I Lopez et al], 1333
Differences in hematocrit of blood samples obtained from two venipuncture sites in sharks [ND Mylniczenko et al], 1861

Cloxacillin
Assessment of antimicrobial transfer from treated to untreated mammary gland quarters by use of high-pressure liquid chromatography for detection of cloxacillin in milk samples from nonlactating dairy cows [CJ Sanford et al], 1140

Coagulation
Detection of activated platelets in canine blood by use of flow cytometry [TB Wills et al], 56
Development of a collagen-binding activity assay as a screening test for type II von Willebrand disease in dogs [EP Sabino et al], 242
Effects of doxycycline, amoxicillin, cephalaxin, and enrofloxacin on hemostasis in healthy dogs [JA Webb et al], 569
Effect of fetal bovine serum and heat-inactivated fetal bovine serum on microbial cell wall-induced expression of procoagulant activity by equine and canine mononuclear cells in vitro [S Okano et al], 1020
Safety of reduced-dosage ketoprofen for long-term oral administration in healthy dogs [T Narita et al], 1115

Cockatiels
Evaluation of the sensitivity and specificity of four laboratory tests for detection of occult blood in cockatiel (Nymphicus hollandicus) excrement [PM Gibbons et al], 2006;67:1326 Correction: 2006;67:1594

Coelom
Sectional anatomic and magnetic resonance imaging features of coelomic structures of loggerhead sea turtles [ALS Valente et al], 1347

Colic
Influence of gastrointestinal tract disease on pharmacokinetics of lidocaine after intravenous infusion in anesthetized horses [DJ Feary et al], 317
Effects of indwelling nasogastric intubation on gastric emptying of a liquid marker in horses [AM Cruz et al], 1100

Collagen
Development of a collagen-binding activity assay as a screening test for type II von Willebrand disease in dogs [EP Sabino et al], 242
Analytical, physiologic, and clinical validation of a radioimmunoassay for measurement of procollagen type III amino terminal propeptide in serum and bronchoalveolar lavage fluid obtained from dogs [S Schuller et al], 749
Cartilage-derived biomarkers and lipid mediators of inflammation in horses with osteochondritis dissecans of the distal intermediate ridge of the tibia [JC de Grauw et al], 1156
Gentamicin concentrations in synovial fluid obtained from the tarsocrural joints of horses after implantation of gentamicin-impregnated collagen sponges [KM Ivest et al], 1519
Relationship between stages of the estrous cycle and bone cell activity in Thoroughbreds [BF Jackson et al], 1527
Assessment of collagen genes involved in fragmented medial coronoid process development in Labrador Retrievers as determined by affected sibling-pair analysis [KG Salg et al], 1713

Colon
mRNA expression and binding sites for \( \alpha_2 \)-adrenergic receptor subtypes in muscle layers of the ileum and spiral colon of dairy cows [EC Ontsouka et al], 1883

Colonization
Evaluation of a model for Escherichia coli O157:H7 colonization in streptomycin-treated adult cattle [TA Snider et al], 1914

Complement
Serum concentrations of the third component of complement in healthy dogs and dogs with protein-losing nephropathy [MJ Acierno et al], 1105

Computed Tomography
Use of helical computed tomography for measurement of thyroid glands in clinically normal cats [WT Drost et al], 467
Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 877
Intraobserver and interobserver agreement, reproducibility, and accuracy of computed tomographic measurements of pituitary gland dimensions in healthy dogs [RH van de Vlugt-Meijer et al], 1750
Postprandial changes in leptin concentrations of cerebrospinal fluid in dogs during development of obesity [N Nishii et al], 2006

Condyles
Effect of diameter of the drill hole on torque of screw insertion and pushout strength for headless tapered compression screws in simulated fractures of the lateral condyle of the equine third metacarpal bone [RS Carpenter et al], 895
Gross, histologic, and gene expression characteristics of osteoarthritic articular cartilage of the metacarpal condyle of horses [KJ Smith et al], 1299

Conjunctiva
Activity of feline interferon-omega after ocular or oral administration in cats as indicated by Mx protein expression in conjunctival and white blood cells [T Bracklein et al], 1625

Contrast Medium
Vascular distribution of contrast medium during intraosseous regional perfusion of the distal portion of the equine forelimb [GJ Keys et al], 1445

Coomassie Blue
Evaluation of Coomassie blue staining of the acrosome of equine and canine spermatozoa [AM Brum et al], 358

Copper
Effect of size of the drill hole on torque of screw insertion and pushout strength for headless tapered compression screws in simulated fractures of the lateral condyle of the equine third metacarpal bone [RS Carpenter et al], 895
Gross, histologic, and gene expression characteristics of osteoarthritic articular cartilage of the metacarpal condyle of horses [KJ Smith et al], 1299

Correlation
Role of coexistence in the development of resistance to chloramphenicol in Escherichia coli isolated from sick cattle and pigs [K Harada et al], 230

Corneas
Duration of corneal anesthesia following topical administration of 0.5% proparacaine hydrochloride solution in clinically normal cats [DR Binder et al], 1780

Coronavirus
Analysis of genetic mutations in the 7a7b open reading frame of coronavirus of cheetahs (Acinonyx jubatus) [MA Kennedy et al], 627
Transmission of bovine coronavirus and serologic responses in feedlot calves under field conditions [CJ Thomas et al], 1412
Isolation and characterization of a coronavirus from pigeons with pancreatitis [DH Qian et al], 1575

Coronoid Process
Assessment of collagen genes involved in fragmented medial coronoid process development in Labrador Retrievers as determined by affected sibling-pair analysis [KG Salg et al], 1713

Corrections
Quantitative assessment of velocities of the annulus of the left atrioventricular valve and ventricular free wall in healthy cats by use of two-dimensional color tissue Doppler imaging [V Chetboul et al] 2006;67:250-258, 488
Comparison of proteoglycan and collagen in articular cartilage of horses with naturally developing osteochondrosis and healing osteochondral fragments of experimentally induced fractures [AL Bertone et al] 2005;66:1881-1890, 504
Serologic evidence of vesivirus-specific antibodies associated with abortion in horses [A Kurth et al], 2006;67:1033, 1265
Evaluation of the sensitivity and specificity of four laboratory tests for detection of occult blood in cockatiel (Nymphicus hollandicus) excrement [PM Gibbons et al], 2006;67:1326, 1594
Nucleotide structure of equine platelet-derived growth factor-A and -B and expression in horses with induced acute tendinitis [BP Donnelly et al], 2006;67:1218, 1827
Neurohormonal, hemodynamic, and electrocardiographic evaluations of healthy dogs receiving long-term administration of doxorubicin [R Chamié Alves de Souza et al], 2006;67:1319, 1779
Evaluation of the effects of short-chain fatty acids and extracellular pH on bovine neutrophil function in vitro [SW Mills et al], 2006;67:1901, 2035

Corticosteroids
Effect of oral administration of clinically relevant doses of dexamethasone on regulation of cytochrome P450 subfamilies in hepatic microsomes from dogs and rats [K Zhang et al], 329

Corticotrophs
Effect of mitotane on pituitary corticotrophs in clinically normal dogs [T Taoda et al], 1385

Cortisol
Evaluation of the effects of stress in cats with idiopathic cystitis [JL Westropp et al], 731

Cortisone
Pharmacokinetics of methylprednisolone acetate after intra-articular administration and its effect on endogenous hydrocortisone and cortisone secretion in horses [LR Soma et al], 654

Corynebacterium spp
Clinical, humoral, and pathologic findings in adult alpacas with experimentally induced Corine bacterium pseudotuberculosis infection [WU Braga et al], 1570

Cost Effectiveness
Evaluation of cost-effectiveness of targeted sampling methods for detection of Mycobacterium avium subsp paratuberculosis infection in dairy herds [S Tavornpanich et al], 821

Cough
Cellular composition of bronchial brushings obtained from…
healthy dogs and dogs with chronic cough and cytologic composition of bronchoalveolar lavage fluid obtained from dogs with chronic cough [EC Hawkins et al], 160

**Coxofemoral Joint**

Evaluation of gait kinetics in puppies with coxofemoral joint laxity [MJ Lopez et al], 236

**Cranial Cruciate Ligament**

Serum and synovial fluid concentrations of keratan sulfate and hyaluronan in dogs with induced stifle joint osteoarthritis following cranial cruciate ligament transection [SC Budsberg et al], 429

Effects of early intensive postoperative physiotherapy on limb function after tibial plateau leveling osteotomy in dogs with deficiency of the cranial cruciate ligament [ML Monk et al], 529

Angle between the patellar ligament and tibial plateau in dogs with partial rupture of the cranial cruciate ligament [CS Schwanet al], 1855

**Ctenocephalides felis**

Attempted transmission of Candidatus *Mycoplasma haemominutum* and *Mycoplasma haemofelis* by feeding cats infected with *Ctenocephalides felis* [JE Woods et al], 494

**Culling**

Association between limb conformation and retention of sows through the second parity [KJ Tiranti et al], 505

**Culture**

Establishment of optimal conditions for long-term culture of erythrocytic stages of *Theileria uilenbergi* [JPG Miranda et al], 1908

**Cushing**

Biomechanical and histologic comparison of single-layer continuous Cushing and simple continuous appositional cystotomy closure by use of poliglecaprone 25 in rats with experimentally induced inflammation of the urinary bladder [BE Hildreth Ill et al], 686

**Cyclooxygenase**

Effects of sodium hyaluronate and methylprednisolone acetate on proteoglycan metabolism in equine articular chondrocytes treated with interleukin-1 [AC Yates et al], 1980

**Cyclosporin A**

Phase I and pharmacokinetic evaluation of the combination of orally administered docetaxel and cyclosporin A in tumor-bearing dogs [MC McEntee et al], 1057

**Cytochrome P450**

Effect of oral administration of clinically relevant doses of dexamethasone on regulation of cytochrome P450 subfamilies in hepatic microsomes from dogs and rats [K Zhang et al], 329

**Cytokines**

Comparison analysis of cytokine gene expression in cerebrospinal fluid of horses without neurologic signs or with selected neurologic disorders [N Pusterla et al], 1433

Regulation by Jun N-terminal kinase/stress activated protein kinase of cytokine expression in *Mycobacterium avium* subsp *paratuberculosis*-infected bovine monocytes [CD Souza et al], 1760

**Cytology**

Cellular composition of bronchial brushings obtained from healthy dogs and dogs with chronic cough and cytologic composition of bronchoalveolar lavage fluid obtained from dogs with chronic cough [EC Hawkins et al], 160

**Cytotoxicosis**

Evaluation of permissiveness and cytotoxic effects in equine chondrocytes, synovial cells, and stem cells in response to infection with adenovirus 5 vectors for gene delivery [A Ishihara et al], 1145

**Dairy Cattle**

Prevalence of vesivirus in a laboratory-based set of serum samples obtained from dairy and beef cattle [A Kurth et al], 114

Use of a simulation model to evaluate sampling strategies for characterization of antimicrobial resistance in non–type-specific *Escherichia coli* isolated from dairy cows [A Villarreal et al], 951

Assessment of antimicrobial transfer from treated to untreated mammary gland quarters by use of high-pressure liquid chromatography for detection of doxycycline in milk samples from nonlactating dairy cows [CJ Sanford et al], 1140

Effects of dexamethasone and isoflupredone acetate on plasma potassium concentrations and other biochemical measurements in dairy cows in early lactation [NJ Coff er et al], 1244

Quantitative mRNA analysis of adrenergic receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dilocation [B Kobel et al], 1367

Prevalence and antimicrobial resistance patterns of *Salmonella enterica* in preweaned calves from dairies and calf ranches [DH Qian et al], 1580

Association between ceftiofur use and isolation of *Escherichia coli* with reduced susceptibility to ceftriaxone from fecal samples of dairy cows [LA Tragesser et al], 1696

mRNA expression and binding sites for α2-adrenergic receptor subtypes in muscle layers of the ileum and spiral colon of dairy cows [EC Ontsouka et al], 1883

Distribution of muscarinic receptor subtypes and interstitial cells of Cajal in the gastrointestinal tract of healthy dairy cows [MH Stoffel et al], 1992

Modeled detection time for surveillance for foot-and-mouth disease virus in bulk tank milk [MC Thurmond et al], 2017

**Decontamination**

In vitro analysis of nonthermal plasma as a disinfecting agent [AE Watts et al], 2030

**Defecation**

Elimination behavior patterns of domestic cats (*Felis catus*) with and without elimination behavior problems [W Sung et al], 1500

**Deracoxib**

Effects of deracoxib and aspirin on serum concentrations of thyroxine, 3,5,3’-triiodothyronine, free thyroxine, and thyroid-stimulating hormone in healthy dogs [DL Panciera et al], 599

Effect of short-term sequential administration of nonsteroidal anti-inflammatory drugs on the stomach and proximal portion of the duodenum in healthy dogs [KL Dowers et al], 1794
Desflurane
Cardiovascular effects of desflurane in mechanically ventilated calves [RD Keegan et al], 387
Median effective dose of isoflurane, sevoflurane, and desflurane in green iguanas [LS Barter et al], 392
Pharmacokinetics of inhaled anesthetics in green iguanas
(Iguana iguana), 1670
Comparison of variability in cardiorespiratory measurements following desflurane anesthesia at a multiple of the minimum alveolar concentration for each dog versus a multiple of a single predetermined minimum alveolar concentration for all dogs in a group [BH Pypendop et al], 1956

Dexamethasone
Effect of oral administration of clinically relevant doses of dexamethasone on regulation of cytochrome P450 subfamilies in hepatic microsomes from dogs and rats [K Zhang et al], 329
Effects of dexamethasone and isoflupredone acetate on plasma potassium concentrations and other biochemical measurements in dairy cows in early lactation [NJ Coffen et al], 1244

Diarrhea
Pharmacokinetics of amoxicillin administered in drinking water to recently weaned 3- to 4-week-old pigs with diarrhea experimentally induced by Escherichia coli O149:F4 [GM Jensen et al], 648

Diazepam
Effects of ketamine, diazepam, and their combination on intraocular pressures in clinically normal dogs [EH Hofmeister et al], 1136

Diet
In vivo measurement of flatulence and nutrient digestibility in dogs fed poultry by-product meal, conventional soybean meal, and low-oligosaccharide low-phytate soybean meal [RM Yamka et al], 88
Evaluation of the risk of motor neuron disease in horses fed a diet low in vitamin E and high in copper and iron [TJ Divers et al], 120
Evaluation of the effects of dietary n-3 fatty acid supplementation on the pharmacokinetics of doxorubicin in dogs with lymphoma [KA Selting et al], 145
Effects of administration of glucocorticoids and feedings status on plasma leptin concentrations in dogs [N Nishi et al], 266
Immunologic responses against hydrolyzed soy protein in dogs with experimentally induced soy hypersensitivity [A Puigdemont et al], 484
Effects of topical administration of an aldose reductase inhibitor on cataract formation in dogs fed a diet high in galactose [PF Kadel et al], 1783
Effects of ultraviolet radiation on 25-hydroxyvitamin D$_3$ synthesis in red-eared slider turtles (Trachemys scripta elegans) [MJ Acierno et al], 2046

Difloxacin
Pharmacokinetics of difloxacin after intravenous, intramuscular, and intragastric administration to horses [E Fernández-Varón et al], 1076

Digestibility
In vivo measurement of flatulence and nutrient digestibility in dogs fed poultry by-product meal, conventional soybean meal, and low-oligosaccharide low-phytate soybean meal [RM Yamka et al], 88

Digestive System
Influence of metoclopramide on gastroesophageal reflux in anesthetized dogs [DV Wilson et al], 26
Measurement of urinary 11-dehydro-thromboxane B$_2$ excretion in dogs with gastric dilatation-volvulus [WI Baltzer et al], 78
Serum lipase activities and pancreatic lipase immunoreactivity concentrations in dogs with exocrine insufficiency [JM Steiner et al], 84
In vivo measurement of flatulence and nutrient digestibility in dogs fed poultry by-product meal, conventional soybean meal, and low-oligosaccharide low-phytate soybean meal [RM Yamka et al], 88
Distribution of mRNA coding for 5-hydroxytryptamine receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dislocation [L Engel et al], 95
Influence of gastrointestinal tract disease on pharmacokinetics of lidocaine after intravenous infusion in anesthetized horses [DJ Feary et al], 317
Evaluation of association between body size and intestinal transit time in healthy dogs [DC Hernandez et al], 342
Comparison of laparoscopic-guided abomasopexy versus omentopexy via right flank laparotomy for the treatment of left abomasal displacement in dairy cows [T Seeger et al], 472
Evaluation of gastrointestinal permeability and mucosal absorptive capacity in dogs with chronic enteropathy [K Allenspach et al], 479
Microanatomic features of pancreatic islets and immunocytological localization of glucose transporters in tissues of llamas and alpacas [CK Cebra et al], 524
Pharmacokinetics of amoxicillin administered in drinking water to recently weaned 3- to 4-week-old pigs with diarrhea experimentally induced by Escherichia coli O149:F4 [GM Jensen et al], 648
Effects of ergotamine and ergovaline on the electromyographic activity of smooth muscle of the rectum and rumen of sheep [LM McLeay et al], 707
Effect of intraluminal distension or ischemic strangulation obstruction on the equine jejunal motilin receptors and binding of erythromycin lactobionate [JB Koenig et al], 815
Evaluation of cost-effectiveness of targeted sampling methods for detection of Mycobacterium avium subsp paratuberculosis infection in dairy herds [S Tavornpanich et al], 821
Oral administration of sucrose solutions and measurement of serum sucrose concentrations to evaluate gastric permeability in adult bottlenose dolphins (Tursiops truncatus) [KK Buddington et al], 931
Evaluation of the effects of the opioid agonist morphine on gastrointestinal tract function in horses [P Boscain et al], 992
Pharmacokinetics of the opioid antagonist N-methylnaloxone and evaluation of its effects on gastrointestinal tract function in horses treated or not treated with morphine [P Boscain et al], 998
Effects of Lactobacillus acidophilus DSM13241 as a probiotic in healthy adult cats [ZV Marshall-Jones et al], 1005
Effects of indwelling nasogastric intubation on gastric emptying of a liquid marker in horses [AM Cruz et al], 1100
Comparison of various doses of carbon 13-labeled aminopyrine for a carbon 13-labeled aminopyrine demethylation blood test in healthy dogs [EM Moeller et al], 1110
Safety of reduced-dosage ketoprofen for long-term oral administration in healthy dogs [T Narita et al], 1115
Effects of oral administration of controlled-release budesonide and assessment of pulititary-adrenocortical axis suppression in clinically normal dogs [ST Stroup et al], 1173
Quantitative mRNA analysis of adrenergic receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dislocation [B Kobel et al], 1367
Effect of suckling isotonic or hypertonic solutions of sodium bicarbonate or glucose on abomasal emptying rate in calves [I Sen et al], 1377
Transmission of bovine coronavirus and serologic responses in feedlot calves under field conditions [CJ Thomas et al], 1412
Isolation and characterization of a coronavirus from pigeons with pancreatitis [DH Qian et al], 1575
Prevalence and antimicrobial resistance patterns of Salmonella enterica in preweaned calves from dairies and calf ranches [DH Qian et al], 1580
Development of a fecal sample collection strategy for extraction and quantification of fecal immunoglobulin A in dogs [U Tress et al], 1756

Effect of short-term sequential administration of nonsteroidal anti-inflammatory drugs on the stomach and proximal portion of the duodenum in healthy dogs [KL Dowers et al], 1794

Influence of halothane, isoflurane, and sevoflurane on gastrointestinal reflex during anesthesia in dogs [DV Wilson et al], 1821

In vitro effects of hydrochloric acid and various concentrations of acetic, propionic, butyric, or valeric acids on bioelectronic properties of equine gastric squamous mucosa [FM Andrews et al], 1873

mRNA expression and binding sites for α2-adrenergic receptor subtypes in muscle layers of the ileum and spiral colon of dairy cows [EC Ontsouka et al], 1883

Evaluation of a model for Escherichia coli O157:H7 colonization in streptomycin-treated adult cattle [TA Snider et al], 1914

Role of cholecystokinin in the gastric motor response to a meal in horses [M Lorenza-Figueras et al], 1998

Digitization
Comparison of digitized and conventional radiographic images for assessment of hip joint conformation in dogs [S Essman et al], 1546

Digs
Effects of endothelin receptor antagonist and nitroglycerin on digital vascular function in horses during the prodomal stages of carbohydrate overload-induced laminitis [SC Eades et al], 1204

Dilatation
Quantitative mRNA analysis of adrenergic receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dislocation [B Kobel et al], 1367

Dilated Cardiomyopathy
Characterization of canine mitochondrial protein expression in natural and induced forms of idiopathic dilated cardiomyopathy [R Lopes et al], 963

Correlation of mitochondrial protein expression in complexes I to V with natural and induced forms of canine idiopathic dilated cardiomyopathy [R Lopes et al], 971

Effects of ramipril on renal function during progressive overpacking-induced heart failure in dogs [M Mathieu et al], 1236

Dirofilaria spp
Evaluation of a covered-rod silicone implant containing ivermectin for long-term prevention of heartworm infection in dogs [CP Cunningham et al], 1564

Disks
Concentrations of 15F/d2t/D isoprostane in urine of dogs with intervertebral disk disease [MA McMichael et al], 1226

Diuretics
Effects of administration of fluids and diuretics on glomerular filtration rate, renal blood flow, and urine output in healthy awake cats [JM McClellan et al], 715

Doberman Pinschers
Morphologic and morphometric magnetic resonance imaging features of Doberman Pinschers with and without clinical signs of cervical spondylomyelopathy [RC da Costa et al], 1801

Correlation of motor evoked potentials with magnetic resonance imaging and neurologic findings in Doberman Pinschers with and without signs of cervical spondylomyelopathy [RC da Costa et al], 1613

Dobutamine
Impact of dopamine or dobutamine infusions on cardiovascular variables after rapid blood loss and volume replacement during isoflurane-induced anesthesia in dogs [DH Dysaon et al], 1121

Effects of increasing infusion rates of dopamine, dobutamine, epinephrine, and phenylephrine in healthy anesthetized cats [PJ Pascoe et al], 1491

Docetaxel
Phase I and pharmacokinetic evaluation of the combination of orally administered docetaxel and cyclosporin A in tumor-bearing dogs [MC McEntee et al], 1057

Dolphins
Oral administration of sucrose solutions and measurement of serum sucrose concentrations to evaluate gastric permeability in adult bottlenose dolphins (Tursiops truncatus) [KK Buddington et al], 931

Donkeys
Comparative pharmacokinetics of meloxicam in clinically normal horses and donkeys [MD Sinclair et al], 1082

Serum concentrations of calcium, phosphorus, magnesium, and calciotropic hormones in donkeys [I Lopez et al], 1333

Dopamine
Impact of dopamine or dobutamine infusions on cardiovascular variables after rapid blood loss and volume replacement during isoflurane-induced anesthesia in dogs [DH Dysaon et al], 1121

Effects of increasing infusion rates of dopamine, dobutamine, epinephrine, and phenylephrine in healthy anesthetized cats [PJ Pascoe et al], 1491

Doppler Ultrasonography
Comparison of B-mode and Doppler ultrasonographic findings with histologic features of benign and malignant superficial lymph nodes in dogs [HT Nyman et al], 978

Correlation between activation of the sympathetic nervous system estimated by plasma concentrations of norepinephrine and Doppler echocardiographic variables in dogs with acquired heart disease [MM Santos et al], 1163

Evaluation of nonunion fractures in dogs by use of B-mode ultrasonography, power Doppler ultrasonography, radiography, and histologic examination [M Risselada et al], 1354

Doxorubicin
Neurohormonal, hemodynamic, and electrocardiographic evaluations of healthy dogs receiving long-term administration of doxorubicin [R Chamié Alves de Souza et al], 2006;67:1319

Correction: 2006;67:1779

Evaluation of the effects of dietary n-3 fatty acid supplementation on the pharmacokinetics of doxorubicin in dogs with lymphoma [KA Selting et al], 145

Doxycycline
Pharmacokinetics and tissue distribution of doxycycline after oral administration of single and multiple doses in horses [JL Davis et al], 310

Effects of doxycycline, amoxicillin, cephalaxin, and enrofloxacin on hemostasis in healthy dogs [JA Webb et al], 569

Duodenum
Effect of short-term sequential administration of nonsteroidal anti-inflammatory drugs on the stomach and proximal portion of the duodenum in healthy dogs [KL Dowers et al], 1794

Dura Mater
Evaluation of the anatomic effect of physical therapy exercises for mobilization of lumbar spinal nerves and the dura mater in dogs [FI Gruenenfelder et al], 1773

Dysplasia
Genetic basis of secondary osteoarthritis in dogs with joint dysplasia [DN Clements et al], 909
Dystocia
Effect of administration of a controlled-release monensin capsule on incidence of calving-related disorders, fertility, and milk yield in dairy cows [P Melendez et al], 537

Ears
In vitro activity of an ear rinse containing tromethamine, EDTA, and benzyl alcohol on bacterial pathogens from dogs with otitis [LK Cole et al], 1040

Echocardiography
Correlation between activation of the sympathetic nervous system estimated by plasma concentrations of norepinephrine and Doppler echocardiographic variables in dogs with acquired heart disease [MM Santos et al], 1163
M-mode and Doppler echocardiographic reference values for male New Zealand white rabbits [APN Fontes-Sousa et al], 1725

EDTA
In vitro activity of an ear rinse containing tromethamine, EDTA, and benzyl alcohol on bacterial pathogens from dogs with otitis [LK Cole et al], 1040

Ehrlichia spp
Comparison of an indirect immunofluorescence assay, western blot analysis, and a commercially available ELISA for detection of Ehrlichia canis antibodies in canine sera [TP O’Connor et al], 206

Elbow Joint
Assessment of the geometry of the cubital (elbow) joint of dogs by use of magnetic resonance imaging [KJ Janach et al], 211

Electricity
Effect of microcurrent electrical tissue stimulation on equine tenocytes in culture [Y-L Lin et al], 271

Electrocardiography
Neurohormonal, hemodynamic, and electrocardiographic evaluations of healthy dogs receiving long-term administration of doxorubicin [R Chamié Alves de Souza et al], 2006;67:1319
Correction: 2006;67:1779

Electrodes
Influence of electrode placement on effective field strength in the superficial digital flexor tendon of horses [Y Lin et al], 845

Electrolytes
Effect of changes in ionized calcium concentration in arterial blood and metabolic acidosis on the arterial partial pressure of oxygen in dogs [I Lopez et al], 801
Effects of dexamethasone and isoflupredone acetate on plasma potassium concentrations and other biochemical measurements in dairy cows in early lactation [NJ Coffer et al], 1244

Electromyography
Effects of ergotamine and ergovaline on the electromyographic activity of smooth muscle of the reticulum and rumen of sheep [LM McLeay et al], 707
Evaluation of administration of isoflurane at approximately the minimum alveolar concentration on depression of a nociceptive withdrawal reflex evoked by transcutaneous electrical stimulation in ponies [C Spadavecchia et al], 762

Electrophoresis
Genotypic relatedness of staphylococcal strains isolated from pustules and carriage sites in dogs with superficial bacterial folliculitis [LR Pinchbeck et al], 1337

Elephants
Results of vaccination of Asian elephants (Elephas maximus) with monovalent inactivated rabies vaccine [R Isaza et al], 1934

Elimination
Elimination behavior patterns of domestic cats (Felis catus) with and without elimination behavior problems [W Sung et al], 1500

ELISA
Comparison of an indirect immunofluorescence assay, western blot analysis, and a commercially available ELISA for detection of Ehrlichia canis antibodies in canine sera [TP O’Connor et al], 206
Serum concentrations of the third component of complement in healthy dogs and dogs with protein-losing nephropathy [MJ Aciero et al], 1105

Encephalitis
Associations among Listeria monocytogenes genotypes and distinct clinical manifestations of listeriosis in cattle [MA Pohl et al], 616

Endocrinology
Comparison of ultrasonographic characteristics of the thyroid gland in healthy small-, medium-, and large-breed dogs [C Brömel et al], 70
Ghrelin, an endogenous growth hormone secretagogue with diverse endocrine and nonendocrine effects [SF Bahetti et al], 180
Measurement of total thyroxine concentration in serum from dogs and cats by use of various methods [RJ Kemppainen et al], 259
Use of helical computed tomography for measurement of thyroid glands in clinically normal cats [WT Drost et al], 467
Effects of deracoxib and aspirin on serum concentrations of thyroxine, 3,5,3’-triiodothyronine, free thyroxine, and thyroid-stimulating hormone in healthy dogs [DL Panciera et al], 599
Pharmacokinetics of methylprednisolone acetate after intra-articular administration and its effect on endogenous hydrocortisone and cortisone secretion in horses [LR Soma et al], 654
Evaluation of the effects of stress in cats with idiopathic cystitis [JL Westropp et al], 731
Detection of autoantibodies against thyroid peroxidase in serum samples of hypothyroid dogs [E Skopek et al], 809
Correlation between activation of the sympathetic nervous system estimated by plasma concentrations of norepinephrine and Doppler echocardiographic variables in dogs with acquired heart disease [MM Santos et al], 1163
Comparison of the biological activity of recombinant human thyroïd-stimulating hormone with bovine thyroïd-stimulating hormone and evaluation of recombinant human thyroïd-stimulating hormone in healthy dogs of different breeds [FS Boretti et al], 1169
Effects of oral administration of controlled-ileal-release budesonide and assessment of pituitary-adrenocortical axis suppression in clinically normal dogs [ST Stroup et al], 1173
Serum concentrations of calcium, phosphorus, magnesium, and calcitropic hormones in donkeys [I Lopez et al], 1333
Effect of four sedative and anesthetic protocols on quantitative thyroid scintigraphy in euthyroid cats [IA Schaafsma et al], 1362
Effect of mitotane on pituitary corticotrophs in clinically normal dogs [T Taoda et al], 1385
Effect of adrenocorticotrophin on cholecystokinin-8-induced Fos-like immunoreactivity in myenteric neurons and the dorsal vagal complex in rats [SJ Raboin et al], 1552
Intraobserver and interobserver agreement, reproducibility, and accuracy of computed tomographic measurements of pituitary gland dimensions in healthy dogs [RH van de Vlugt-Meijer et al], 1750
Thin-slice three-dimensional gradient-echo magnetic resonance imaging of the pituitary gland in healthy dogs [RH van der Vlugt-Meijer et al], 1085
Evaluation of recombinant human thyroid-stimulating hormone to test thyroid function in dogs suspected of having hypothyroidism [FS Boretti et al], 2012

Endoscopy
Comparison of laparoscopic-guided abomasopexy versus omentopexy via right flank laparotomy for the treatment of left abomasal displacement in dairy cows [T Seeger et al], 472

Endothelin
Immunohistochemical determination of the expression of endothelin receptors in bronchial smooth muscle and epithelium of healthy horses and horses affected by summer pasture-associated obstructive pulmonary disease [S Polikepahad et al], 348
Effects of endothelin receptor antagonist and nitroglycerin on digital vascular function in horses during the prodromal stages of carbohydrate overload-induced laminitis [SC Eades et al], 1204

Endothelium
Use of flow-mediated vasodilation technique to assess endothelial function in dogs [GD Puglia et al], 1533

Endotoxin
Endotoxin-neutralizing activity of polymyxin B in blood after IV administration in horses [PR Morresey et al], 642

Energy
Effects of thermal energy on chondrocyte viability [JR Voss et al], 1708

Enrofloxacin
Effects of doxycycline, amoxicillin, cephalaxin, and enrofloxacin on hemostasis in healthy dogs [JA Webb et al], 569
Pharmacokinetics and pharmacodynamics of enrofloxacin and a low dose of amikacin administered via regional intravenous limb perfusion in standing horses [A Parra-Sanchez et al], 1687

Enteropathy
Evaluation of gastrointestinal permeability and mucosal absorptive capacity in dogs with chronic enteropathy [K Allenspach et al], 479

Ephedrine
Evaluation of the urodynamic and hemodynamic effects of orally administered phenylpropanolamine and ephedrine in female dogs [F Carolfiglio et al], 723

Epidemiology
Identification of case clusters and counties with high infective connectivity in the 2001 epidemic of foot-and-mouth disease in Uruguay [G Chowell et al], 102
Prevalence of vesivirus in a laboratory-based set of serum samples obtained from dairy and beef cattle [A Kurth et al], 114
Evaluation of cost-effectiveness of targeted sampling methods for detection of Mycobacterium avium subsp paratuberculosis infection in dairy herds [S Tavompanich et al], 821
Prevalence of exposure to Salmonella spp in finishing swine marketed in Iowa [AM O’Connor et al], 829
Evaluation of the prevalence and onset of lung lesions and their impact on growth of lambs [JA Daniel et al], 890
Use of a simulation model to evaluate sampling strategies for characterization of antimicrobial resistance in non–type-specific Escherichia coli isolated from dairy cows [A Villarroel et al], 951
Transmission of bovine coronavirus and serologic responses in feedlot calves under field conditions [CJ Thomas et al], 1412
Prevalence and antimicrobial resistance patterns of Salmonella enterica in preweaned calves from dairies and calf ranches [DH Qian et al], 1580
Epidemiologic cutoff values for antimicrobial agents against Aeromonas salmonicida isolates determined by frequency distributions of minimal inhibitory concentration and diameter of zone of inhibition data [RA Miller et al], 1837
Modeled detection time for surveillance for foot-and-mouth disease virus in bulk tank milk [MC Thurmond et al], 2017

Epidural Administration
Effect of body position on cranial migration of epidurally injected methylene blue in recumbent dogs [AA Gorgi et al], 219
Effects of preoperative epidural administration of racemic ketamine for analgesia in sheep undergoing surgery [AGP Guedes et al], 222
Effects of epidural administration of morphine and buprenorphine on the minimum alveolar concentration of isoflurane in cats [BH Pypendop et al], 1471

Epinephrine
Effects of increasing infusion rates of dopamine, dobutamine, epinephrine, and phenylephrine in healthy anesthetized cats [PJ Pascoe et al], 1491

Epithelium
Immunohistochemical determination of the expression of endothelin receptors in bronchial smooth muscle and epithelium of healthy horses and horses affected by summer pasture-associated obstructive pulmonary disease [S Polikepahad et al], 348
Time-dependent alterations in gene expression of interleukin-8 in the bronchial epithelium of horses with recurrent airway obstruction [DM Ainsworth et al], 569

Equine Herpesvirus
Antemortem detection of latent infection with neuropathogenic strains of equine herpesvirus-1 in horses [GP Allen et al], 2006;67:1401
Letter [FR Reilly], 2006;67:1820

Ergotamine
Effects of ergotamine and ergovaline on the electromyographic activity of smooth muscle of the rectum and rumen of sheep [LM McLeay et al], 707

Ergovaline
Effects of ergotamine and ergovaline on the electromyographic activity of smooth muscle of the rectum and rumen of sheep [LM McLeay et al], 707

Erythromycin
Effect of intraluminal distension or ischemic strangulation obstruction on the equine jejunal motilin receptors and binding of erythromycin lactobionate [JB Koenig et al], 815

Escherichia coli
Role of coexistence in the development of resistance to chloramphenicol in Escherichia coli isolated from sick cattle and pigs [K Harada et al], 230
Pharmacokinetics of amoxicillin administered in drinking water to recently weaned 3- to 4-week-old pigs with diarrhea experimentally induced by Escherichia coli O149:F4 [GM Jensen et al], 648
Use of a simulation model to evaluate sampling strategies for characterization of antimicrobial resistance in non–type-specific Escherichia coli isolated from dairy cows [A Villarroel et al], 951
Association between ceftiofur use and isolation of Escherichia coli with reduced susceptibility to ceftriaxone from fecal samples of dairy cows [LA Trageress et al], 1696
Evaluation of a model for Escherichia coli O157:H7 colonization in streptomycin-treated adult cattle [TA Snider et al], 1914
In vitro evaluation of three bacterial culture systems for the recovery of Escherichia coli from equine blood [M Loenza-Figueras et al], 2025

Esophagus

Influence of metoclopramide on gastroesophageal reflux in anesthetized dogs [DV Wilson et al], 26
Influence of halothane, isoflurane, and sevoflurane on gastroesophageal reflux during anesthesia in dogs [DV Wilson et al], 1821

Estriol

Urodynamic and morphologic changes in the lower portion of the urogenital tract after administration of estriol alone and in combination with phenytoin in sexually intact and spayed female dogs [AJ Hamadeh et al], 901

Estrus

Relationship between stages of the estrous cycle and bone cell activity in thoroughbreds [BF Jackson et al], 1527

Ethyl Alcohol

Use of intra-articular administration of ethyl alcohol for arthrodesis of the tarsometatarsal joint in healthy horses [RW Shoemaker et al], 850

Etodolac

Use of force plate analysis to assess the analgesic effects of etodolac in horses with navicular syndrome [KD Symonds et al], 557

Exercise

Quantification of spontaneous locomotion activity in foals kept in pastures under various management conditions [CMH Chantal Kuvers et al], 1212

Exercise Physiology

Effect of exercise on activation of the p38 mitogen-activated protein kinase pathway, c-Jun NH2 terminal kinase, and heat shock protein 27 in equine skeletal muscle [MM Evan Ginneken et al], 837

Exocrine Pancreatic Insufficiency

Serum lipase activities and pancreatic lipase immunoreactivity concentrations in dogs with exocrine insufficiency [JM Steiner et al], 84

Experimental Design

Single-case experimental designs in veterinary research [RB Evans et al], 189

Extracorporeal Shock Wave Therapy

Histomorphologic evaluation of extracorporeal shock wave therapy of the fourth metatarsal bone and the origin of the suspensory ligament in horses without lameness [S Bischofberger et al], 577

Eyes

Evaluation of acoustic wave propagation velocities in the ocular lens and vitreous tissue of pigs, dogs, and rabbits [C Görg et al], 288
Evaluation of concentration of voriconazole in aqueous humor after topical and oral administration in horses [AB Clode et al], 296
Assessment of glutamate loss from the ganglion cell layer of young DBA/2J mice with glaucoma [HC Low et al], 302
Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 877
Effect of head position on intraocular pressure in horses [AM Komaromy et al], 1232
Duration of corneal anesthesia following topical administration of 0.5% proparacaine hydrochloride solution in clinically normal cats [DR Binder et al], 1780
Effects of topical administration of an aldose reductase inhibitor on cataract formation in dogs fed a diet high in galactose [PF Kador et al], 1783
In vitro fungistatic and fungicidal activities of silver sulfadiazine and natamycin on pathogenic fungi isolated from horses with keratomycosis [CM Betbeze et al], 1788
Evaluation of retinal images for identifying individual dogs [JR Gionfriddo et al], 2042

Fatty Acids

Evaluation of the effects of short-chain fatty acids and extracellular pH on bovine neutrophil function in vitro [SW Mills et al], 2006;67:1901
Correction: 2006;67:2035
Evaluation of the effects of dietary n-3 fatty acid supplementation on the pharmacokinetics of doxorubicin in dogs with lymphoma [KA Selting et al], 145

Fecal Samples

Development of a fecal sample collection strategy for extraction and quantification of fecal immunoglobulin A in dogs [U Tress et al], 1756

Feces

Evaluation of the sensitivity and specificity of four laboratory tests for detection of occult blood in cockatiel (Nymphicus hollandicus) excrement [PM Gibbons et al], 2006;67:1326
Correction: 2006;67:1594
Development of a fecal sample collection strategy for extraction and quantification of fecal immunoglobulin A in dogs [U Tress et al], 1756

Feedlots

Transmission of bovine coronavirus and serologic responses in feedlot calves under feedlot conditions [CJ Thomas et al], 1412

Feline Coronavirus

Analysis of genetic mutations in the 7a7b open reading frame of coronavirus of cheetahs (Acinonyx jubatus) [MA Kennedy et al], 627

Feline Herpesvirus

Effects of human recombinant alpha-2b interferon and feline recombinant omega interferon on in vitro replication of feline herpesvirus-1 [N Siebeck et al], 1406

Femorotibial Joint

Characterization of experimentally induced post-traumatic osteoarthritis in the medial femorotibial joint of horses [CJ Bolam et al], 433

Femur

Effects of femur position on radiographic assessment of completeness of femoral head and neck excision in medium- to large-breed dogs [A Vinayak et al], 64
Assessment of bone mineral density of the femoral head in dogs with early osteoarthritis [HU Chalmers et al], 796
Histomorphometric analysis of articular cartilage, zone of calcified cartilage, and subchondral bone plate in femoral heads from clinically normal dogs and dogs with moderate or severe osteoarthritis [BM Daubs et al], 1719

Fenestration

Effect of width of disk fenestration and a ventral slot on biomechanics of the canine C5-C6 vertebral motion unit [AE Fauber et al], 1844

Fertility

Effect of administration of a controlled-release monensin capsule on incidence of calving-related disorders, fertility, and milk yield in dairy cows [P Melendez et al], 537
Fetal Bovine Serum
Effect of fetal bovine serum and heat-inactivated fetal bovine serum on microbial cell wall-induced expression of procoagulant activity by equine and canine mononuclear cells in vitro [S Okano et al], 1020

Field Strength
Influence of electrode placement on effective field strength in the superficial digital flexor tendon of horses [Y Lin et al], 845

Fish
Differences in hematocrit of blood samples obtained from two venipuncture sites in sharks [ND Mylniczenko et al], 1861

Flatulence
In vivo measurement of flatulence and nutrient digestibility in dogs fed poultry by-product meal, conventional soybean meal, and low-oligosaccharide low-phytate soybean meal [RM Yamka et al], 88

Fleas
Attempted transmission of Candidatus Mycoplasma haemominutum and Mycoplasma haemofelis by feeding cats infected with Ctenocephalides felis [JE Woods et al], 494

Flexion Angle
Inclination of the patellar ligament in relation to flexion angle in stifle joints of dogs without degenerative joint disease [R Dennier et al], 1849

Flow Cytometry
Detection of activated platelets in canine blood by use of flow cytometry [TB Wills et al], 56
Monitoring responses by use of five-color flow cytometry in subsets of peripheral T cells obtained from cattle inoculated with a killed Mycobacterium avium subsp paratuberculosis vaccine [R Platt et al], 2050

Fluconazole
Pharmacokinetics of fluconazole after oral administration of single and multiple doses in African grey parrots [K Flammer et al], 417

Fluids
Effects of administration of fluids and diuretics on glomerular filtration rate, renal blood flow, and urine output in healthy awake cats [JM McClellan et al], 715

Flunixin
Effects of phenylbutazone alone or in combination with flunixin meglumine on blood protein concentrations in horses [SK Reed et al], 2006;67:398
Letter [FK Reilly], 2006;67:747
Response [SK Reed et al], 2006;67:747

Foals
Quantification of spontaneous locomotion activity in foals kept in pastures under various management conditions [CMH Chantel Kurvers et al], 1212
Pharmacokinetics of clarithromycin and concentrations in body fluids and bronchoalveolar cells of foals [AY Womble et al], 1681
Effects of dobutamine, norepinephrine, and vasopressin on cardiovascular function in anesthetized neonatal foals with induced hypotension [A Valverde et al], 1730

Folliculitis
Genotypic relatedness of staphylococcal strains isolated from pustules and carriage sites in dogs with superficial bacterial folliculitis [LR Pinchbeck et al], 1337

Food
Effects of food intake and food withholding on plasma ghrelin concentrations in healthy dogs [SF Bhatti et al], 1557

Foot-and-Mouth Disease (FMD)
Identification of case clusters and counties with high infective connectivity in the 2001 epidemic of foot-and-mouth disease in Uruguay [G Chowell et al], 102
Modeled detection time for surveillance for foot-and-mouth disease virus in bulk tank milk [MC Thurmond et al], 2017

Fool Rot
Evaluation of the effects of short-chain fatty acids and extracellular pH on bovine neutrophil function in vitro [SW Mills et al], 2006;67:1901
Correction: 2006;67:2035

Force Plates
Use of force plate analysis to assess the analgesic effects of etodolac in horses with navicular syndrome [KD Symonds et al], 557

Forelimb
Vascular distribution of contrast medium during intraosseous regional perfusion of the distal portion of the equine forelimb [GJ Keys et al], 1445
Development and evaluation of a noninvasive marker cluster technique to assess three-dimensional kinematics of the distal portion of the forelimb in horses [SJ Hobbs et al], 1511

Fos-like Immunoreactivity
Effect of adrenalectomy on cholecystokinin-8-induced Fos-like immunoreactivity in myenteric neurons and the dorsal vagal complex in rats [SJ Raboin et al], 1552

Fractionation
Fractionation of calcium and magnesium in equine serum [I Lopez et al], 463

Fractures
Association between findings on palmarodorsal radiographic images and detection of a fracture in the proximal sesamoid bones of forelimbs obtained from cadavers of racing Thoroughbreds [LA Anthenill et al], 858
Effect of diameter of the drill hole on torque of screw insertion and pushout strength for headless tapered compression screws in simulated fractures of the lateral condyle of the equine third metacarpal bone [RS Carpenter et al], 895
Evaluation of nonunion fractures in dogs by use of B-mode ultrasonography, power Doppler ultrasonography, radiography, and histologic examination [M Risselada et al], 1354

FTTY720
In vitro evaluation of the effect of a novel immunosuppressive agent, FTTY720, on the function of feline neutrophils [Y-J Chen et al], 588

Fungi
In vitro fungistatic and fungicidal activities of silver sulfadiazine and natamycin on pathogenic fungi isolated from horses with keratomycosis [CM Betbeze et al], 1788

G

Gait Analysis
Evaluation of gait kinetics in puppies with coxofemoral joint laxity [MU Lopez et al], 236
Evaluation of a pressure walkway system for measurement of vertical limb forces in clinically normal dogs [BDX Lascelles et al], 277
Use of force plate analysis to assess the analgesic effects of etodolac in horses with navicular syndrome [KD Symonds et al], 557
Gait abnormalities caused by selective anesthesia of the suprascapular nerve in horses [DV Devine et al], 834
Compensation for changes in hoof conformation between shoeing sessions through the adaptation of angular kinematics of the distal segments of the limbs of horses [MCV van Heel et al], 1199

Effect of trotting velocity on work patterns of the hind limbs of Greyhounds [GR Colborne et al], 1293

Locomotor mechanics of the tölt in Icelandic horses [AR Biknevicius et al], 1505

Development and evaluation of a noninvasive marker cluster technique to assess three-dimensional kinematics of the distal portion of the forelimb in horses [SJ Hobbs et al], 1511

Galactose
Effect of topical administration of an aldose reductase inhibitor on cataract formation in dogs fed a diet high in galactose [PF Kador et al], 1783

Ganglion Cells
Assessment of glutamate loss from the ganglion cell layer of young DBA/2J mice with glaucoma [HC Low et al], 302

Gastric Dilatation-Volvulus
Measurement of urinary 11-dehydro-thromboxane B₂ excretion in dogs with gastric dilatation-volvulus [VI Baltzer et al], 78

Gastric Emptying
Effect of sucking isotonic or hypertonic solutions of sodium bicarbonate or glucose on abomasal emptying rate in calves [I Sen et al], 1377

Role of cholecystokinin in the gastric motor response to a meal in horses [M Lorensa-Figuerras et al], 1998

Gastroesophageal Reflux
Influence of halothane, isoflurane, and sevoflurane on gastroesophageal reflux during anesthesia in dogs [DV Wilson et al], 1821

Gastrointestinal Tract
Evaluation of the effects of the opioid agonist morphine on gastrointestinal tract function in horses [P Boscan et al], 992

Pharmacokinetics of the opioid antagonist N-methylnaltroxone and evaluation of its effects on gastrointestinal tract function in horses treated or not treated with morphine [P Boscan et al], 998

Distribution of muscarinic receptor subtypes and interstitial cells of Cajal in the gastrointestinal tract of healthy dairy cows [MH Stoffel et al], 1992

Role of cholecystokinin in the gastric motor response to a meal in horses [M Lorensa-Figuerras et al], 1998

Genetic Analysis
Nucleotide structure of equine platelet-derived growth factor-A and -B and expression in horses with induced acute tendinitis [BP Donnelly et al], 2006;67:1218

Correction: 2006;67:1627

Expression of the PTEN tumor suppressor gene in malignant mammary gland tumors of dogs [Y Kanae et al], 127

Associations among Listeria monocytogenes genotypes and distinct clinical manifestations of listeriosis in cattle [MA Pohl et al], 616

Analysis of genetic mutations in the 7a7b open reading frame of coronavirus of cheetahs (Acinonyx jubatus) [MA Kennedy et al], 627

Time-dependent alterations in gene expression of interleukin-8 in the bronchial epithelium of horses with recurrent airway obstruction [DM Ainsworth et al], 669

Genetic basis of secondary osteoarthritis in dogs with joint dysplasia [DN Clements et al], 909

Genetic analyses of the radiographic appearance of the distal sesamoid bones in Hanoverian Warmblood horses [KF Stock et al], 1013

Evaluation of permissiveness and cytotoxic effects in equine chondrocytes, synovial cells, and stem cells in response to infection with adenovirus 5 vectors for gene delivery [A Ishihara et al], 1145

Genetic diversity and antimicrobial susceptibility profiles among mastitis-causing Staphylococcus aureus isolated from bovine milk samples [KL Anderson et al], 1185

Gross, histologic, and gene expression characteristics of osteoarthritic articular cartilage of the metacarpal condyle of horses [KJ Smith et al], 1299

Genomic expression patterns of mitral valve tissues from dogs with degenerative mitral valve disease [MA Oyama et al], 1307

Genotypic relatedness of staphylococcal strains isolated from pustules and carriage sites in dogs with superficial bacterial folliculitis [LR Pinchbeck et al], 1337

Exclusion of linkage of the RYR1, CACNA1S, and ATP2A1 genes to recurrent exertional rhabdomyolysis in Thoroughbreds [PK Dranchak et al], 1395

Clinical, microbiological, and molecular characterization of methicillin-resistant Staphylococcus aureus infections of cats [DO Morris et al], 1421

Assessment of collagen genes involved in fragmented medial coronary process development in Labrador Retrievers as determined by affected sibling-pair analysis [KG Salg et al], 1713

Somatic alterations of the p53 tumor suppressor gene in vaccine-associated feline sarcoma [N Banerji et al], 1766

Gentamicin
Gentamicin concentrations in synovial fluid and joint tissues during intravenous administration or continuous intra-articular infusion of the tarsocrural joint of clinically normal horses [TB Lesun et al], 409

Gentamicin concentrations in synovial fluid obtained from the tarsocrural joints of horses after implantation of gentamicin-impregnated collagen sponges [KM Iwester et al], 1519

Geometry
Assessment of the geometry of the cubital (elbow) joint of dogs by use of magnetic resonance imaging [KJ Janach et al], 211

Ghrelin
Ghrelin, an endogenous growth hormone secretagogue with diverse endocrine and nonendocrine effects [SF Bahti et al], 180

Effects of food intake and food withholding on plasma ghrelin concentrations in healthy dogs [SF Bahti et al], 1557

Glaucoma
Assessment of glutamate loss from the ganglion cell layer of young DBA/2J mice with glaucoma [HC Low et al], 302

Effects of ketamine, diazepam, and their combination on intraocular pressures in clinically normal horses [EH Hofmeister et al], 1136

Effect of head position on intraocular pressure in horses [AM Komáromy et al], 1232

Glial Fibrillary Acidic Protein
Expression of neural markers on bone marrow-derived canine mesenchymal stem cells [H Kamishina et al], 1921

Glucocorticoids
Effects of administration of glucocorticoids and feedings status on plasma leptin concentrations in dogs [N Nishii et al], 266

Effects of oral administration of controlled-ileal-release budesonide and assessment of pituitary-adrenocortical axis suppression in clinically normal dogs [ST Stroup et al], 1173

Glucose
Effects of administration of glucocorticoids and feedings status on plasma leptin concentrations in dogs [N Nishii et al], 266

Effects of oral administration of controlled-ileal-release budesonide and assessment of pituitary-adrenocortical axis suppression in clinically normal dogs [ST Stroup et al], 1173

Glucose transporters in tissues of llamas and alpacas [CK Cebra et al], 524

Effect of sucking isotonic or hypertonic solutions of sodium bicarbonate or glucose on abomasal emptying rate in calves [I Sen et al], 1377

Index
AJVR, Vol 67, No. 1–12, January–December, 2006
Proglycogen, macroglycogen, glucose, and glucose-6-phosphate concentrations in skeletal muscles of horses with polysaccharide storage myopathy performing light exercise [JT Bröjer et al], 1589

Glucose-6-phosphate
Proglycogen, macroglycogen, glucose, and glucose-6-phosphate concentrations in skeletal muscles of horses with polysaccharide storage myopathy performing light exercise [JT Bröjer et al], 1589

Glutamate
Assessment of glutamate loss from the ganglion cell layer of young DBA/2J mice with glaucoma [HC Low et al], 302

á-Glutamyltransferase
Evaluation of assay procedures for prediction of passive transfer status in lambs [G Massimini et al], 593

Glycosaminoglycan
Measurement of urinary glycosaminoglycans in dogs [DC Grant et al], 51
Assessment of the catabolic effects of interleukin-1β on proteoglycan metabolism in equine cartilage cocultured with synoviocytes [AJ Gregg et al], 957
Cartilage-derived biomarkers and lipid mediators of inflammation in horses with osteochondritis dissecans of the distal intermediate ridge of the tibia [JC de Grauw et al], 1156
Effects of sodium hyaluronate and methylprednisolone acetate on proteoglycan metabolism in equine articular chondrocytes treated with interleukin-1 [AC Yates et al], 1980

Goats
Pharmacokinetics of a novel formulation of ivermectin after administration to goats [A González et al], 323
Effects of ketamine and magnesium on the minimum alveolar concentration of isoflurane in goats [P Queiroz-Castro et al], 1962

Grafts
Use of a jugular vein graft in a modified Blalock-Taussig procedure in dogs [A Pelosi et al], 174
Use of a centrifugation-based, point-of-care device for production of canine autologous bone marrow and platelet concentrates [MS Thoesen et al], 1655

Greyhounds
Effect of trotting velocity on work patterns of the hind limbs of Greyhounds [GR Colborne et al], 1293

Ground Reaction Forces
Evaluation of a pressure walkway system for measurement of vertical limb forces in clinically normal dogs [BDX Lascelles et al], 277

Growth
Age-dependent seroprevalence of antibodies against a Helicobacter pylori-like organism and Helicobacter pylori in commercially reared swine [JA Ellis et al], 1890

Growth Hormone
Ghrelin, an endogenous growth hormone secretagogue with diverse endocrine and nonendocrine effects [SF Bahtti et al], 180

H
Halothane
Comparison of hemodynamic, clinico-pathologic, and gastrointestinal motility effects and recovery characteristics of anesthesia with isoflurane and halothane in horses undergoing arthroscopic surgery [S Durongphongtorn et al], 32
Effect of medetomidine on respiration and minimum alveolar concentration in halothane- and isoflurane-anesthetized dogs [P Lerche et al], 782

Influence of halothane, isoflurane, and sevoflurane on gastrointestinal reflux during anesthesia in dogs [DV Wilson et al], 1821

Hanoverian Warmbloods
Genetic analyses of the radiographic appearance of the distal sesamoid bones in Hanoverian Warmblood horses [KF Stock et al], 1013

Head Position
Effect of head position on intraocular pressure in horses [AM Komáromy et al], 1232

Heart
Neurohormonal, hemodynamic, and electrocardiographic evaluations of healthy dogs receiving long-term administration of doxorubicin [R Chamié Alves de Souza et al], 2006;67:1319
Correction: 2006;67:1779
Quantitative assessment of velocities of the annulus of the left atrioventricular and left ventricular free wall in healthy cats by use of two-dimensional color tissue Doppler imaging [V Chetboul et al], 2006;67:250
Correction, 2006;67:488
Use of a jugular vein graft in a modified Blalock-Taussig procedure in dogs [A Pelosi et al], 174
Characterization of canine mitochondrial protein expression in natural and induced forms of idiopathic dilated cardiomyopathy [R Lopes et al], 971
Correlation of mitochondrial protein expression in complexes I to V with natural and induced forms of canine idiopathic dilated cardiomyopathy [R Lopes et al], 971
Correlation between activation of the sympathetic nervous system estimated by plasma concentrations of norepinephrine and Doppler echocardiographic variables in dogs with acquired heart disease [MM Santos et al], 1163
Effects of ramipril on renal function during progressive overpac ing-induced heart failure in dogs [M Mathieu et al], 1236
Genomic expression patterns of mitral valve tissues from dogs with degenerative mitral valve disease [MA Oyama et al], 1307

Heart Rate
Changes in heart rate and heart rate variability in Thoroughbreds during prolonged road transportation [H Ohmura et al], 455

Heartworm
Evaluation of a covered-rod silicone implant containing ivermectin for long-term prevention of heartworm infection in dogs [CP Cunningham et al], 1564

Heaves
In vitro inhibition of matrix metalloproteinase activity in tracheal epithelial lining fluid from horses with recurrent airway obstruction [SM Raulo et al], 1252

Hematocrit
Differences in hematocrit of blood samples obtained from two venipuncture sites in sharks [ND Mylniczenko et al], 1861

Hematopoietic System
Effects of phenylbutazone alone or in combination with flunixin meglumine on blood protein concentrations in horses [SK Reed et al], 2006;67:398
Letter [FK Reilly], 2006;67:747
Response [SK Reed et al], 2006;67:747
Detection of activated platelets in canine blood by use of flow cytometry [TB Wills et al], 56
Development of a collagen-binding activity assay as a screening test for type II von Willebrand disease in dogs [EP Sabino et al], 242
Blood lipid concentrations and lipoprotein patterns in captive and wild American black bears (Ursus americanus) [N Frank et al], 335

AJVR, Vol 67, No. 1–12, January–December, 2006 Index 35
Assessment of ruminal degradation, oral bioavailability, and toxic effects of anticoagulant rodenticides in sheep [PJ Berny et al], 363

Fractionation of calcium and magnesium in equine serum [I Lopez et al], 463

Attempted transmission of Candidatus Mycoplasma haemominutum and Mycoplasma haemofelis by feeding cats infected with Ctenocephalides felis [JE Woods et al], 494

Effects of doxycycline, amoxicillin, cephalaxin, and enrofloxacin on hemostasis in healthy dogs [JA Webb et al], 569

Hemodynamic effects of methylprednisolone acetate administration in cats [T Ployngam et al], 583

In vitro evaluation of the effect of a novel immunosuppressive agent, FTY720, on the function of feline neutrophils [Y-J Chen et al], 588

Effect of fetal bovine serum and heat-inactivated fetal bovine serum on microbial cell wall-induced expression of procoagulant activity by equine and canine mononuclear cells in vitro [S Okano et al], 1020

Safety of reduced-dosage ketoprofen for long-term oral administration in healthy dogs [T Narita et al], 1115

Effects of dexamethasone and isoflupredone acetate on plasma potassium concentrations and other biochemical measurements in dairy cows in early lactation [NJ Coffer et al], 1244

Use of a centrifugation-based, point-of-care device for production of canine autologous bone marrow and platelet concentrates [MS Thoesen et al], 1655

Hemodynamics

Neurohormonal, hemodynamic, and electrocardiographic evaluations of healthy dogs receiving long-term administration of doxorubicin [R Chamié Alves de Souza et al], 2006;67:1319

Correction: 2006;67:1779

Hemodynamic effects of methylprednisolone acetate administration in cats [T Ployngam et al], 583

Evaluation of the urodynamic and hemodynamic effects of orally administered phenylephrine in female dogs [F Carofiglio et al], 723

Effects of ramipril on renal function during progressive overpacing-induced heart failure in dogs [M Mathieu et al], 1236

Hemorrhage

Impact of dopamine or dobutamine infusions on cardiovascular variables after rapid blood loss and volume replacement during isoflurane-induced anesthesia in dogs [DH Dysaon et al], 1121

Herpesvirus

Antemortem detection of latent infection with neuropathogenic strains of equine herpesvirus-1 in horses [GP Allen et al], 2006;67:1401

Letter [FR Reilly], 2006;67:1820

Induction of antigen-specific T-cell subset activation to bovine respiratory disease viruses by a modified-live virus vaccine [R Platt et al], 1179

Effects of human recombinant alpha-2b interferon and feline herpesvirus-1 on replication of feline herpesvirus-1 [N Siebeck et al], 1406

High-pressure Liquid Chromatography

Assessment of antimicrobial transfer from treated to untreated mammary gland quarters by use of high-pressure liquid chromatography for detection of cloxacillin in milk samples from nonlactating dairy cows [CJ Sanford et al], 1140

Hip Dysplasia

Evaluation of gait kinetics in puppies with coxofemoral joint laxity [MJ Lopez et al], 236

Hip Joints

Comparison of digitized and conventional radiographic images for assessment of hip joint conformation in dogs [S Essman et al], 1546

Histology

Evaluation of Coomassie blue staining of the acrosome of equine and canine spermatozoa [AM Brum et al], 358

Microanatomic features of pancreatic islets and immunocytolysis of glucose transporters in tissues of llamas and alpacas [CK Cebra et al], 524

Biomechanical and histologic comparison of single-layer continuous Cushing and simple continuous appositional cystotomy closure by use of poliglecaprone 25 in rats with experimentally induced inflammation of the urinary bladder [BE Hildreth III et al], 686

Comparison of B-mode and Doppler ultrasonographic findings with histologic features of benign and malignant superficial lymph nodes in dogs [HT Nyman et al], 978

Comparison of B-mode and Doppler ultrasonographic findings with histologic features of benign and malignant mammary tumors in dogs [HT Nyman et al], 985

Gross, histologic, and gene expression characteristics of osteoarthritic articular cartilage of the metacarpal condyle of horses [KJ Smith et al], 1299

Evaluation of nonunion fractures in dogs by use of B-mode ultrasonography, power Doppler ultrasonography, radiography, and histologic examination [M Risselada et al], 1354

Proglucagon, macroglycogen, glucose, and glucose-6-phosphate concentrations in skeletal muscles of horses with polysaccharide storage myopathy performing light exercise [JT Bröjer et al], 1589

Effects of platelet-derived growth factor-BB on the metabolic function and morphologic features of equine tendon in explant culture [JL Haupt et al], 1595

Immunohistochemical staining of urokinase plasminogen activator-like and urokinase plasminogen activator receptor-like proteins in the urinary tract of healthy dogs [TR Bailey et al], 1628

Cytoarchitecture, morphology, and lumbosacral spinal cord projections of the red nucleus in cattle [R Chioccetti et al], 1662

Histomorphology

Histomorphologic evaluation of extracorporeal shock wave therapy of the fourth metatarsal bone and the origin of the suspensory ligament in horses without lameness [S Bischofberger et al], 577

Histomorphometry

Histomorphometric analysis of articular cartilage, zone of calcified cartilage, and subchondral bone plate in femoral heads from clinically normal dogs and dogs with moderate or severe osteoarthritis [BM Daubs et al], 1719

Hooves

Compensation for changes in hoof conformation between shoeing sessions through the adaptation of angular kinematics of the distal segments of the limbs of horses [MCV van Heel et al], 1199

Effects of endothelin receptor antagonist and nitroglycerin on digital vascular function in horses during the prodromal stages of carbohydrate overload-induced laminitis [SC Eades et al], 1204

Evaluation of changes in architecture of the stratum internum of the hoof wall from fetal, newborn, and yearling horses [LA Bidwell et al], 1947

Horseshoes

Compensation for changes in hoof conformation between shoeing sessions through the adaptation of angular kinematics of the distal segments of the limbs of horses [MCV van Heel et al], 1199

Humans

Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 877
Hyaluronan
Serum and synovial fluid concentrations of keratan sulfate and hyaluronan in dogs with induced stifle joint osteoarthritis following cranial cruciate ligament transection [SC Budsberg et al], 429

Hydraulic Occluders
Evaluation of manufacturing variability, diffusion of filling solutions, and long-term maintenance of occlusion in silicone hydraulic occluders [CW Sereda et al], 1453

Hydrochloric Acid
In vitro effects of hydrochloric acid and various concentrations of acetic, propionic, butyric, or valeric acids on bioelectronic properties of equine gastric squamous mucosa [FM Andrews et al], 1873

Hydrocortisone
Pharmacokinetics of methylprednisolone acetate after intrarticular administration and its effect on endogenous hydrocortisone and cortisol secretion in horses [LR Soma et al], 654

Hydrolysis
Immunologic responses against hydrolyzed soy protein in dogs with experimentally induced soy hypersensitivity [A Puigdemont et al], 484

Hydromorphone
Analogic effects of epidural administration of hydromorphone in horses [CC Natalini et al], 11

5-hydroxytryptamine
Distribution of mRNA coding for 5-hydroxytryptamine receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dislocation [L Engel et al], 95

Hypersensitivity
Immunologic responses against hydrolyzed soy protein in dogs with experimentally induced soy hypersensitivity [A Puigdemont et al], 484

Hypertension
Accuracy of an oscillometric blood pressure monitor during phenylephrine-induced hypertension in dogs [RM McMurphy et al], 1541

Hyperthyroidism
Use of helical computed tomography for measurement of thyroid glands in clinically normal cats [WT Drost et al], 467

Hypokalemia
Effects of dexamethasone and isoflupredone acetate on plasma potassium concentrations and other biochemical measurements in dairy cows in early lactation [NJ Coffer et al], 1244

Hypotension
Impact of dopamine or dobutamine infusions on cardiovascular variables after rapid blood loss and volume replacement during isoflurane-induced anesthesia in dogs [DH Dysaon et al], 1121

Effects of dexamethasone, norepinephrine, and vasopressin on cardiovascular function in anesthetized neonatal foals with induced hypotension [A Valverde et al], 1730

Hypothyroidism
Measurement of total thyroxine concentration in serum from dogs and cats by use of various methods [RJ Kemppainen et al], 259

Detection of autoantibodies against thyroid peroxidase in serum samples of hypothyroid dogs [E Skopek et al], 809

Evaluation of recombinant human thyroid-stimulating hormone to test thyroid function in dogs suspected of having hypothyroidism [FS Boretti et al], 2012

Hypovolemia
Impact of dopamine or dobutamine infusions on cardiovascular variables after rapid blood loss and volume replacement during isoflurane-induced anesthesia in dogs [DH Dysaon et al], 1121

Icelandic Horses
Locomotor mechanics of the tölt in Icelandic horses [AR Biknevicius et al], 1505

Identification
Evaluation of retinal images for identifying individual dogs [JR Gionfriddo et al], 2042

Ifoasamide
Phase I trial and pharmacokinetic analysis of ifosamide in cats with sarcomas [KM Rassnick et al], 510

Results of phase II clinical trial on the use of ifosamide for treatment of cats with vaccine-associated sarcomas [KM Rassnick et al], 517

IgE
Assessment of IgE binding to native and hydrolyzed soy protein in serum obtained from dogs with experimentally induced soy protein hypersensitivity [M Serra et al], 1895

Iguanas
Median effective dose of isoflurane, sevoflurane, and desflurane in green iguanas [LS Barter et al], 392

Pharmacokinetics of inhaled anesthetics in green iguanas (Iguana iguana), 1670

Ileum
mRNA expression and binding sites for α2-adrenergic receptor subtypes in muscle layers of the ileum and spiral colon of dairy cows [EC Ontsouka et al], 1883

Ileus
Effect of intraluminal distension or ischemic strangulation obstruction on the equine jejunal motilin receptors and binding of erythromycin lactobionate [JB Koenig et al], 815

Evaluation of the effects of the opioid agonist morphine on gastrointestinal tract function in horses [P Boscan et al], 992

Pharmacokinetics of the opioid antagonist N-methylaltrexone and evaluation of its effects on gastrointestinal tract function in horses treated or not treated with morphine [P Boscan et al], 998

Effects of indwelling nasogastric intubation on gastric emptying of a liquid marker in horses [AM Cruz et al], 1100

Immunoglobulin A
Development of a fecal sample collection strategy for extraction and quantification of fecal immunoglobulin A in dogs [U Tress et al], 1756

Immunohistochemistry
Immunohistochemical determination of the expression of endothelin receptors in bronchial smooth muscle and epithelium of healthy horses and horses affected by summer pasture-associated obstructive pulmonary disease [S Polikepahad et al], 348

Immunohistochemical staining of urokinase plasminogen activator-like and urokinase plasminogen activator receptor-like proteins in the urinary tract of healthy dogs [TR Bailey et al], 1628

Immunology
Immunologic responses against hydrolyzed soy protein in dogs
with experimentally induced soy hypersensitivity [A Puigdemont et al], 484
In vitro evaluation of the effect of a novel immunosuppressive agent, FTY720, on the function of feline neutrophils [Y-J Chen et al], 588
Evaluation of assay procedures for prediction of passive transfer status in lambs [G Massimini et al], 593
Serum concentrations of the third component of complement in healthy dogs and dogs with protein-losing nephropathy [MJ Acierno et al], 1105
Induction of antigen-specific T-cell subset activation to bovine respiratory disease viruses by a modified-live virus vaccine [R Platt et al], 1179
Temporal clinical exacerbation of summer pasture-associated recurrent airway obstruction and relationship with climate and aeroallergens in horses [LRR Costa et al], 1635
Development of a fecal sample collection strategy for extraction and quantification of fecal immunoglobulin A in dogs [U Tress et al], 1756
Assessment of IgE binding to native and hydrolyzed soy protein in serum obtained from dogs with experimentally induced soy protein hypersensitivity [M Serra et al], 1895
Monitoring responses by use of five-color flow cytometry in subsets of peripheral T cells obtained from cattle inoculated with a killed Mycobacterium avium subsp paratuberculosis vaccine [R Platt et al], 2050
Immunoreactivity
Serum lipase activities and pancreatic lipase immunoreactivity concentrations in dogs with exocrine insufficiency [JM Steiner et al], 84
Immunosuppression
In vitro evaluation of the effect of a novel immunosuppressive agent, FTY720, on the function of feline neutrophils [Y-J Chen et al], 588
Incontinence
Evaluation of the urodynamic and hemodynamic effects of orally administered phenylpropanolamine and ephedrine in female dogs [F Carolfio et al], 723
Urodynamic and morphologic changes in the lower portion of the urogenital tract after administration of estril alone and in combination with phenylpropanolamine in sexually intact and spayed female dogs [AJ Hamaide et al], 901
Incubation
Association between incubation time and genotype in sheep experimentally inoculated with scrapie-positive brain homogenate [MS Bulgin et al], 498
Indirect Fluorescent Antibody
Indirect fluorescent antibody testing of cerebrospinal fluid for diagnosis of equine protozoal myelonephritis [PC Duarte et al], 869
Infectious Bovine Rhinotracheitis Virus (IBRV)
Effect of dietary lipic acid on metabolic hormones and acute-phase proteins during challenge with infectious bovine rhinotracheitis virus in cattle [TB Schmidt et al], 1192
Inflammation
Cartilage-derived biomarkers and lipid mediators of inflammation in horses with osteochondritis dissecans of the distal intermediate ridge of the tibia [JC de Grauw et al], 1156
Effect of dietary lipic acid on metabolic hormones and acute-phase proteins during challenge with infectious bovine rhinotracheitis virus in cattle [TB Schmidt et al], 1192
Concentrations of serum amyloid A in serum and synovial fluid from healthy horses and horses with joint disease [S Jacobsen et al], 1738
Regulation by Jun N-terminal kinase/stress activated protein kinase of cytokine expression in Mycobacterium avium subsp paratuberculosis-infected bovine monocytes [CD Souza et al], 1760
Inflammatory Bowel Disease
Effects of oral administration of controlled-ileal-release budesonide and assessment of pituitary-adrenocortical axis suppression in clinically normal dogs [ST Stroup et al], 1173
Integumentary System
Genotypic relatedness of staphylococcal strains isolated from pustules and carriage sites in dogs with superficial bacterial folliculitis [LR Pinchebeck et al], 1337
In vitro analysis of nonthermal plasma as a disinfecting agent [AE Watts et al], 2030
Detection of novel papillomavirus-like sequences in paraffin-embedded specimens of invasive and in situ squamous cell carcinomas from cats [G Nespeca et al], 2036
Interferon
Activity of feline interferon-omega after ocular or oral administration in cats as indicated by Mx protein expression in conjunctival and white blood cells [T Brackelean et al], 1025
Effects of human recombinant alpha-2b interferon and feline recombinant omega interferon on in vitro replication of feline herpesvirus-1 [N Siebeck et al], 1406
Comparison analysis of cytokine gene expression in cerebrospinal fluid of horses without neurologic signs or with selected neurologic disorders [N Pusterla et al], 1433
Monitoring responses by use of five-color flow cytometry in subsets of peripheral T cells obtained from cattle inoculated with a killed Mycobacterium avium subsp paratuberculosis vaccine [R Platt et al], 2050
Interleukins
Time-dependent alterations in gene expression of interleukin-8 in the bronchial epithelium of horses with recurrent airway obstruction [DM Ainsworth et al], 669
Assessment of the catabolic effects of interleukin-1β on proteoglycan metabolism in equine cartilage cocultured with synoviocytes [AJ Gregg et al], 957
Expression of molecular markers in blood of neonatal foals with sepsis [N Pusterla et al], 1045
Comparison analysis of cytokine gene expression in cerebrospinal fluid of horses without neurologic signs or with selected neurologic disorders [N Pusterla et al], 1433
Effects of sodium hyaluronate and methylprednisolone acetate on proteoglycan metabolism in equine articular chondrocytes treated with interleukin-1 [AC Yates et al], 1980
Intestinal Cells of Cajal
Distribution of muscarinic receptor subtypes and interstitial cells of Cajal in the gastrointestinal tract of healthy dairy cows [MH Stoffel et al], 1992
Intervertebral Disks
Matrix metalloproteinase-9 activity in the cerebrospinal fluid and serum of dogs with acute spinal cord trauma from intervertebral disk disease [JM Levine et al], 283
Concentrations of 15F/d2t/D isoprostane in urine of dogs with intervertebral disk disease [MA McMichael et al], 1226
Effect of width of disk fenestration and a ventral slot on biomechanics of the canine C5-C6 vertebral motion unit [AE Fauber et al], 1944
Intestine
Quantitative mRNA analysis of adrenergic receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dislocation [B Kobel et al], 1367
Intraocular Pressure
Comparison of the use of new handheld tonometers and established application tonometers in dogs [C Görg et al], 134
Effects of ketamine, diazepam, and their combination on intraocular pressures in clinically normal dogs [EH Hofmeister et al], 1136
Effect of head position on intraocular pressure in horses [AM Komáromy et al], 1232

**Intraosseous Regional Limb Perfusion**
Vascular distribution of contrast medium during intraosseous regional perfusion of the distal portion of the equine forelimb [GJ Keys et al], 1445
Evaluation of safety and pharmacokinetics of vancomycin after intraosseous regional limb perfusion and comparison of results with those obtained after intravenous regional limb perfusion in horses [LM Rubio-Martinez et al], 1701

**Intravenous Regional Limb Perfusion**
Evaluation of safety and pharmacokinetics of vancomycin after intraosseous regional limb perfusion and comparison of results with those obtained after intravenous regional limb perfusion in horses [LM Rubio-Martinez et al], 1701

**Intubation**
Effects of indwelling nasogastric intubation on gastric emptying of a liquid marker in horses [AM Cruz et al], 1100

**Iowa**
Prevalence of exposure to Salmonella spp in finishing swine marketed in Iowa [AM O’Connor et al], 829

**Iron**
Evaluation of the risk of motor neuron disease in horses fed a diet low in vitamin E and high in copper and iron [TJ Divers et al], 120

**Ischemia**
Effect of intraluminal distension or ischemic strangulation obstruction on the equine jejunal motilin receptors and binding of erythromycin lactobionate [JB Koenig et al], 815

**Islets**
Microanatomic features of pancreatic islets and immunocolocalization of glucose transporters in tissues of llamas and alpacas [CK Cebra et al], 524

**Isoflupredone**
Effects of dexamethasone and isoflupredone acetate on plasma potassium concentrations and other biochemical measurements in dairy cows in early lactation [NJ Coffer et al], 1244

**Isoflurane**
Effect of intravenous administration of ketamine on the minimum alveolar concentration of isoflurane in anesthetized dogs [AM Solano et al], 21
Comparison of hemodynamic, clinicopathologic, and gastrointestinal motility effects and recovery characteristics of anesthesia with isoflurane and halothane in horses undergoing arthroscopic surgery [S Durongphongtorn et al], 32
Median effective dose of isoflurane, sevoflurane, and desflurane in green iguanas [LS Barter et al], 392
Effect of intratesticular injection of lidocaine on cardiovascular responses to castration in isoflurane-anesthetized stallions [HA Haga et al], 403
Evaluation of administration of isoflurane at approximately the median effective alveolar concentration of ketamine on the minimum alveolar concentration of depression of a nociceptive withdrawal reflex evoked by transcutaneous electrical stimulation in ponies [C Spadavecchia et al], 762
Effect of meloxicam and butorphanol on minimum alveolar concentration of isoflurane in rabbits [PV Turner et al], 770
Effect of medetomidine on respiration and minimum alveolar concentration in halothane- and isoflurane-anesthetized dogs [P Lerche et al], 782
Evaluation of isoflurane and sevoflurane vaporizers over a wide range of oxygen flow rates [TD Ambrisko et al], 936
Impact of dopamine or dobutamine infusions on cardiovascular variables after rapid blood loss and volume replacement during isoflurane-induced anesthesia in dogs [DH Dysaon et al], 1121
Use of end-tidal partial pressure of carbon dioxide to predict arterial partial pressure of carbon dioxide in harp seals during isoflurane-induced anesthesia [DSJ Pang et al], 1131
Effects of epidural administration of morphine and buprenorphine on the minimum alveolar concentration of isoflurane in cats [BH Pyperndop et al], 1471
Pharmacokinetics of inhaled anesthetics in green iguanas (Iguana iguana), 1670
Influence of halothane, isoflurane, and sevoflurane on gastrointestinal reflex during anesthesia in dogs [DV Wilson et al], 1821
Effects of ketamine and magnesium on the minimum alveolar concentration of isoflurane in goats [P Queiroz-Castro et al], 1962
Effects of carprofen on renal function during medetomidine-propofol-isoflurane anesthesia in dogs [JHM Freindlin et al], 1967

**Isoprostane**
Concentrations of 15F2t/D isoprostane in urine of dogs with intervertebral disk disease [MA McMichael et al], 1226

**Ivermectin**
Pharmacokinetics of a novel formulation of ivermectin after administration to goats [A González et al], 323
Evaluation of a covered-rod silicone implant containing ivermectin for long-term prevention of heartworm infection in dogs [CP Cunningham et al], 1564

**Jejunum**
Effect of intraluminal distension or ischemic strangulation obstruction on the equine jejunal motilin receptors and binding of erythromycin lactobionate [JB Koenig et al], 815

**Joints**
Measurement of urinary glycosaminoglycans in dogs [DC Grant et al], 51
Assessment of the geometry of the cubital (elbow) joint of dogs by use of magnetic resonance imaging [KJ Janach et al], 211
Evaluation of gait kinetics in puppies with coxofemoral joint laxity [MJ Lopez et al], 236
Gentamicin concentrations in synovial fluid and joint tissues during intravenous administration or continuous intra-articular infusion of the tarsocrural joint of clinically normal horses [TB Lescun et al], 409
Kinematics of the equine temporomandibular joint [SJ Bonin et al], 423
Serum and synovial fluid concentrations of keratan sulfate and hyaluronan in dogs with induced stifle joint osteoarthritis following cranial cruciate ligament transection [SC Budsgen et al], 429
Characterization of experimentally induced post-traumatic osteoarthritis in the medial femorotibial joint of horses [CJ Bolam et al], 433
Effects of early intensive postoperative physiotherapy on limb function after tibial plateau leveling osteotomy in dogs with deficiency of the cranial cruciate ligament [ML Monk et al], 529
Pharmacokinetics of methylprednisolone acetate after intrarticular administration and its effect on endogenous hydrocortisone and cortisone secretion in horses [LR Soma et al], 654
Correlation of magnetic resonance images with anatomic features of the equine tarsus [R Latorre et al], 756
Assessment of bone mineral density of the femoral head in dogs with early osteoarthritis [HJ Chalmers et al], 796
Gait abnormalities caused by selective anesthesia of the suprascapular nerve in horses [DV Devine et al], 834
Use of intra-articular administration of ethyl alcohol for arthrodesis of the tarsometatarsal joint in healthy horses [RW Shoemaker et al], 850

AJVR, Vol 67, No. 1–12, January–December, 2006  Index 39
Genetic basis of secondary osteoarthritis in dogs with joint dysplasia [DN Clements et al], 909
Assessment of the catabolic effects of interleukin-1β on proteoglycan metabolism in equine cartilage cocultured with synoviocytes [AJ Gregg et al], 957
Cartilage-derived biomarkers and lipid mediators of inflammation in horses with osteochondritis dissecans of the distal intermediate ridge of the tibia [JC de Grauw et al], 1156
Compensation for changes in hoof conformation between shoeing sessions through the adaptation of angular kinematics of the distal segments of the limbs of horses [MVC van Heel et al], 1199
Comparison of techniques for determination of chondrocyte viability after thermal injury [B Rauch et al], 1280
Use of infrared spectroscopy for diagnosis of traumatic arthritis in horses [M Vijnvorsn et al], 1286
Gross, histologic, and gene expression characteristics of osteoarthritic articular cartilage of the metacarpal condyle of horses [KJ Smith et al], 1299
Assessment of the use of DNA quality metrics for the screening of articular cartilage specimens from clinically normal dogs and dogs with osteoarthritis [DN Clements et al], 1438
Gentamicin concentrations in synovial fluid obtained from the tarsocrural joints of horses after implantation of gentamicin-impregnated collagen sponges [KM Ivester et al], 1519
Comparison of digitized and conventional radiographic images for assessment of hip joint conformation in dogs [S Essman et al], 1546
Effects of thermal energy on chondrocyte viability [JR Voss et al], 1708
Histomorphometric analysis of articular cartilage, zone of calcified cartilage, and subchondral bone plate in femoral heads from clinically normal dogs and dogs with moderate or severe osteoarthritis [BM Daubs et al], 1719
Concentrations of serum amyloid A in serum and synovial fluid from healthy horses and horses with joint disease [S Jacobsen et al], 1738
Inclination of the patellar ligament in relation to flexion angle in stifle joints of dogs without degenerative joint disease [R Dennier et al], 1849
Angle between the patellar ligament and tibial plateau in dogs with partial rupture of the cranial cruciate ligament [CS Biknevicius et al], 1505
Comparison of measurements obtained by use of an electrogoniometer and a universal plastic goniometer for the assessment of joint motion in dogs [TM Thomas et al], 1974

Jugular Vein
Use of a jugular vein graft in a modified Blalock-Taussig procedure in dogs [A Pelosi et al], 174

Jun N-terminal Kinase
Regulation by Jun N-terminal kinase/stress activated protein kinase of cytokine expression in Mycobacterium avium subsp paratuberculosis-infected bovine monocytes [CD Souza et al], 1760

Keratan Sulfate
Serum and synovial fluid concentrations of keratan sulfate and hyaluronan in dogs with induced stifle joint osteoarthritis following cranial cruciate ligament transection [SC Budisberg et al], 429

Keratitis
In vitro efficacy of a buffered chelating solution as an antimicrobial potentiator for antifungal drugs against fungal pathogens obtained from horses with mycotic keratitis [WL Weinstein et al], 562

Keratometry
In vitro fungicidal and fungidical activities of silver sulfadiazine and natamycin on pathogenic fungi isolated from horses with keratomyocoris [CM Bebbeze et al], 1788

Ketamine
Effect of intravenous administration of ketamine on the minimum alveolar concentration of isoflurane in anesthetized dogs [AM Solano et al], 21
Effects of preoperative epidural administration of racemic ketamine for analgesia in sheep undergoing surgery [AGP Guedes et al], 222
Effects of ketamine, diazepam, and their combination on intraocular pressures in clinically normal dogs [EH Hofmeister et al], 1136
Pharmacokinetics and clinical effects of a subanesthetic continuous rate infusion of ketamine in awake horses [CL Fielding et al], 1484
Effects of ketamine and magnesium on the minimum alveolar concentration of isoflurane in goats [P Queiroz-Castro et al], 1962

Ketoprofen
Safety of reduced-dosage ketoprofen for long-term oral administration in healthy dogs [T Narita et al], 1115

Kinase
Effect of exercise on activation of the p38 mitogen-activated protein kinase pathway, c-Jun NH2 terminal kinase, and heat shock protein 27 in equine skeletal muscle [MM Evan Ginneken et al], 837
Regulation by Jun N-terminal kinase/stress activated protein kinase of cytokine expression in Mycobacterium avium subsp paratuberculosis-infected bovine monocytes [CD Souza et al], 1760

Kinematics
Kinematics of the equine temporomandibular joint [SJ Bonin et al], 1505
Compensation for changes in hoof conformation between shoeing sessions through the adaptation of angular kinematics of the distal segments of the limbs of horses [MVC van Heel et al], 1199
Locomotor mechanics of the tölt in Icelandic horses [AR Biknevicius et al], 1505
Development and evaluation of a noninvasive marker cluster technique to assess three-dimensional kinematics of the distal portion of the forelimb in horses [SJ Hobbs et al], 1511

Labrador Retrievers
Assessment of collagen genes involved in fragmented medial coronoid process development in Labrador Retrievers as determined by affected sibling-pair analysis [KG Salg et al], 1713

Lactation
Assessment of antimicrobial transfer from treated to untreated mammary gland quarters by use of high-pressure liquid chromatography for detection of cloxacillin in milk samples from nonlactating dairy cows [CJ Sanford et al], 1140
Effects of dexamethasone and isoflupredone acetate on plasma potassium concentrations and other biochemical measurements in dairy cows in early lactation [NJ Coffer et al], 1244

Lactobacillus spp
Effects of Lactobacillus acidophilus DSM13241 as a probiotic in healthy adult cats [ZV Marshall-Jones et al], 1005

Lambs
Evaluation of the prevalence and onset of lung lesions and their impact on growth of lambs [JA Daniel et al], 890

Lameness
Association between limb conformation and retention of sows through the second parity [KJ Tiranti et al], 505
Gait abnormalities caused by selective anesthesia of the suprascapular nerve in horses [DV Devine et al], 834
Use of intra-articular administration of ethyl alcohol for arthodesis of the tarsometatarsal joint in healthy horses [RW Shoemaker et al], 850

Laminae Evaluation of changes in architecture of the stratum internum of the hoof wall from fetal, newborn, and yearling horses [LA Bidwell et al], 1947

Laminitis Effects of endothelin receptor antagonist and nitroglycerin on digital vascular function in horses during the prodromal stages of carbohydrate overload-induced laminitis [SC Eades et al], 1204

Laparoscopy Comparison of mesenteric lymphadenography performed via surgical and laparoscopic approaches in dogs [BA Brisson et al], 168

Lavage Effects of the bronchoalveolar lavage procedure on lung function in horses with clinical exacerbation of recurrent airway obstruction [R Léguilliette et al], 1929

Left Displaced Abomasum Comparison of laparoscopic-guided abomasopexy versus omentopexy via right flank laparotomy for the treatment of left abomasal displacement in dairy cows [T Seeger et al], 472

Lens Evaluation of acoustic wave propagation velocities in the ocular lens and vitreous tissue of pigs, dogs, and rabbits [C Görg et al], 288

Effects of topical administration of an aldose reductase inhibitor on cataract formation in dogs fed a diet high in galactose [PF Kador et al], 1783

Leptin Effects of administration of glucocorticoids and feedings status on plasma leptin concentrations in dogs [N Nishii et al], 266

Postprandial changes in leptin concentrations of cerebrospinal fluid in dogs during development of obesity [N Nishii et al], 2006

Letters to the Editor Antemortem detection of latent infection with neuropathogenic strains of equine herpesvirus-1 in horses [GP Allen] 2006;67:1401

Questions applications and conclusions in equine herpesvirus study [FR Reilly], 2006;67:1820

Effects of phenylbutazone alone or in combination... [SK Reed et al], 2006;67:398

Questions dosage used in equine study [FK Reilly], 2006;67:747

Response [SK Reed et al], 2006;67:747

Lidocaine Effects of intravenous administration of lidocaine on the thermal threshold in cats [BH Pypendop et al], 16

Influence of gastrointestinal tract disease on pharmacokinetics of lidocaine after intravenous infusion in anesthetized horses [DJ Feary et al], 317

Effect of intratesticular injection of lidocaine on cardiovascular responses to castration in isoflurane-anesthetized stallions [HA Haga et al], 403

Ligaments Serum and synovial fluid concentrations of keratan sulfate and hyaluronan in dogs with induced stifle joint osteoarthritis following cranial cruciate ligament transection [SC Budsberg et al], 429

Effects of early intensive postoperative physiotherapy on limb function after tibial plateau leveling osteotomy in dogs with deficiency of the cranial cruciate ligament [ML Monk et al], 529

Histomorphologic evaluation of extracorporeal shock wave therapy of the fourth metatarsal bone and the origin of the suspensory ligament in horses without lameness [S Bischofberger et al], 577

Material properties of and tissue reaction to the Slocum TPLO plate [RJ Boudrieau et al], 1258

Inclination of the patellar ligament in relation to flexion angle in stifle joints of dogs without degenerative joint disease [R Dennier et al], 1849

Angle between the patellar ligament and tibial plateau in dogs with partial rupture of the cranial cruciate ligament [CS Schwandt et al], 1855

Lims Association between limb conformation and retention of sows through the second parity [KJ Tiranti et al], 505

Effect of trotting velocity on work patterns of the hind limbs of Greyhounds [GR Colborne et al], 1293

Pharmacokinetics and pharmacodynamics of enrofloxacin and a low dose of amikacin administered via regional intravenous limb perfusion in standing horses [A Parra-Sanchez et al], 1687

Evaluation of safety and pharmacokinetics of vancomycin after intraosseous regional limb perfusion and comparison of results with those obtained after intravenous regional limb perfusion in horses [LM Rubio-Martinez et al], 1701

Lipase Serum lipase activities and pancreatic lipase immunoreactivity concentrations in dogs with exocrine insufficiency [JM Steiner et al], 84

Lipids Blood lipid concentrations and lipoprotein patterns in captive and wild American black bears (Ursus americanus) [N Frank et al], 335

Cartilage-derived biomarkers and lipid mediators of inflammation in horses with osteochondritis dissecans of the distal intermediate ridge of the tibia [JC de Grauw et al], 1156

Lipoic Acid Effect of dietary lipoic acid on metabolic hormones and acute-phase proteins during challenge with infectious bovine rhinotracheitis virus in cattle [TB Schmidt et al], 1192

Lipoprotein Blood lipid concentrations and lipoprotein patterns in captive and wild American black bears (Ursus americanus) [N Frank et al], 335

Liposomes Serum concentrations and analgesic effects of liposome-encapsulated and standard butorphanol tartrate in parrots [KK Sladky et al], 775

Listeria monocyctogenes Associations among Listeria monocyctogenes genotypes and distinct clinical manifestations of listeriosis in cattle [MA Pohl et al], 616

Litter Box Elimination behavior patterns of domestic cats (Felis catus) with and without elimination behavior problems [W Sung et al], 1500

Liver Effect of oral administration of clinically relevant doses of dexamethasone on regulation of cytochrome P450 subfamilies in hepatic microsomes from dogs and rats [K Zhang et al], 329
Comparison of various doses of carbon 13-labeled aminopyrine for a carbon 13-labeled aminopyrine demethylation blood test in healthy dogs [EM Moeller et al], 1110

Llamas
Microanatomic features of pancreatic islets and immunocolocalization of glucose transporters in tissues of llamas and alpacas [CK Cebra et al], 524
Pharmacokinetics of intravenously administered caffeine in healthy alpacas (Lama pacos) and llamas (Lama glama) [J Lakritz et al], 1063

Locomotion
Quantification of spontaneous locomotion activity in foals kept in pastures under various management conditions [CMH Chantal Kurvers et al], 1212

Lungs
Evaluation of the prevalence and onset of lung lesions and their impact on growth of lambs [JA Daniel et al], 890
Temporal clinical exacerbation of summer pasture-associated recurrent airway obstruction and relationship with climate and aeroallergens in horses [LRR Costa et al], 1635
Age-dependent seroprevalence of antibodies against a Helicobacter pylori-like organism and Helicobacter pylori in commercially reared swine [JA Ellis et al], 1890
Effects of the bronchoalveolar lavage procedure on lung function in horses with clinical exacerbation of recurrent airway obstruction [R Léguillette et al], 1929

Lymphadenography
Comparison of mesenteric lymphadenography performed via surgical and laparoscopic approaches in dogs [BA Brisson et al], 168

Lymphatic System
Comparison of mesenteric lymphadenography performed via surgical and laparoscopic approaches in dogs [BA Brisson et al], 168
Comparison of B-mode and Doppler ultrasonographic findings with histologic features of benign and malignant superficial lymph nodes in dogs [HT Nyman et al], 978

Lymphoma
Evaluation of the effects of dietary n-3 fatty acid supplementation on the pharmacokinetics of doxorubicin in dogs with lymphoma [KA Seling et al], 145

Macaws
Pharmacokinetics of marbofloxacin in blue and gold macaws (Ara ararauna) [JW Carpenter et al], 947

Macroglycogen
Proglycogen, macroglycogen, glucose, and glucose-6-phosphate concentrations in skeletal muscles of horses with polysaccharide storage myopathy performing light exercise [JT Bröjer et al], 1589

Magnesium
Fractionation of calcium and magnesium in equine serum [I Lopez et al], 463
Serum concentrations of calcium, phosphorus, magnesium, and calcitropic hormones in donkeys [I Lopez et al], 1333
Effects of ketamine and magnesium on the minimum alveolar concentration of isoflurane in goats [P Queiroz-Gastro et al], 1962

Magnetic Resonance Imaging
Assessment of the geometry of the cubital (elbow) joint of dogs by use of magnetic resonance imaging [KJ Janach et al], 211
Correlation of magnetic resonance images with anatomic features of the equine tarsus [R Latorre et al], 756
Sectional anatomic and magnetic resonance imaging features of coelomic structures of loggerhead sea turtles [ALS Valente et al], 1347
Morphologic and morphometric magnetic resonance imaging features of Doberman Pinschers with and without clinical signs of cervical spondylomyelopathy [RC da Costa et al], 1601
Correlation of motor evoked potentials with magnetic resonance imaging and neurologic findings in Doberman Pinschers with and without signs of cervical spondylomyelopathy [RC da Costa et al], 1613

Mammary Glands
Expression of the PTEN tumor suppressor gene in malignant mammary gland tumors of dogs [Y Kanee et al], 127
Comparison of B-mode and Doppler ultrasonographic findings with histologic features of benign and malignant mammary tumors in dogs [HT Nyman et al], 985
Assessment of antimicrobial transfer from treated to untreated mammary gland quarters by use of high-pressure liquid chromatography for detection of cloxacillin in milk samples from nonlactating dairy cows [CJ Sanford et al], 1140

Mannheimia hemolytica
Age-dependent seroprevalence of antibodies against a Helicobacter pylori-like organism and Helicobacter pylori in commercially reared swine [JA Ellis et al], 1890

Marbofloxacin
Pharmacokinetics of marbofloxacin in blue and gold macaws (Ara ararauna) [JW Carpenter et al], 947

Mare Reproductive Loss Syndrome
Classification of Actinobacillus spp isolates from horses involved in mare reproductive loss syndrome [JM Donohue et al], 1426

Marker Cluster
Development and evaluation of a noninvasive marker cluster technique to assess three-dimensional kinematics of the distal portion of the forelimb in horses [SJ Hobbs et al], 1511

Mastectomy
Kinematics of the equine temporomandibular joint [SJ Bonin et al], 423

Mastitis
Assessment of antimicrobial transfer from treated to untreated mammary gland quarters by use of high-pressure liquid chromatography for detection of cloxacillin in milk samples from nonlactating dairy cows [CJ Sanford et al], 1140
Genetic diversity and antimicrobial susceptibility profiles among mastitis-causing Staphylococcus aureus isolated from bovine milk samples [KL Anderson et al], 1185

Materials
Material properties of and tissue reaction to the Slocum TPLO plate [RJ Boudrieau et al], 1258

Matrix Metalloproteinases
Matrix metalloproteinase-9 activity in the cerebrospinal fluid and serum of dogs with acute spinal cord trauma from intervertebral disk disease [JM Levine et al], 283
Assessment of the catabolic effects of interleukin-1β on proteoglycan metabolism in equine cartilage cocultured with synoviocytes [AJ Gregg et al], 957
In vitro inhibition of matrix metalloproteinase activity in tracheal epithelial lining fluid from horses with recurrent airway obstruction [SM Raulo et al], 1252

Medetomidine
Effect of medetomidine on respiration and minimum alveolar concentration in halothane- and isoflurane-anesthetized dogs [P Lerche et al], 782
Metabolism
Assessment of the catabolic effects of interleukin-1β on proteoglycan metabolism in equine cartilage cocultured with synoviocytes [AJ Gregg et al], 957
Proglycogen, macroglycogen, glucose, and glucose-6-phosphate concentrations in skeletal muscles of horses with poly saccharide storage myopathy performing light exercise [JT Bröjer et al], 1589

Metacarpal Bone
Effect of diameter of the drill hole on torque of screw insertion and pushout strength for headless tapered compression screws in simulated fractures of the lateral condyle of the equine third metacarpal bone [RS Carpenter et al], 895
Gross, histologic, and gene expression characteristics of osteoarthritic articular cartilage of the metacarpal condyle of horses [KJ Smith et al], 1299

Metatarsal Bone
Histomorphologic evaluation of extracorporeal shock wave therapy of the fourth metatarsal bone and the origin of the suspensory ligament in horses without lameness [S Bischofberger et al], 577

Methicillin
Clinical, microbiological, and molecular characterization of methicillin-resistant Staphylococcus aureus infections of cats [DO Morris et al], 1421

Methylene Blue
Effect of body position on cranial migration of epidurally injected methylene blue in recumbent dogs [AA Gorgi et al], 219

Methylprednisolone
Hemodynamic effects of methylprednisolone acetate administration in cats [T Ployngam et al], 583
Pharmacokinetics of methylprednisolone acetate after intrarticular administration and its effect on endogenous hydrocortisone and cortisol secretion in horses [LR Soma et al], 654
Effects of sodium hyaluronate and methylprednisolone acetate on proteoglycan metabolism in equine articular chondrocytes treated with interleukin-1 [AC Yates et al], 1980

Metoclopramide
Influence of metoclopramide on gastroesophageal reflux in anesthetized dogs [DV Wilson et al], 26

Metrics
Assessment of the use of RNA quality metrics for the screening of articular cartilage specimens from clinically normal dogs and dogs with osteoarthritis [DN Clements et al], 1438

Michigan
Evaluation of historical factors influencing the occurrence and distribution of Mycobacterium bovis infection among wildlife in Michigan [R Miller et al], 604

Microcurrent
Effect of microcurrent electrical tissue stimulation on equine tenocytes in culture [Y-L Lin et al], 271
Influence of electrode placement on effective field strength in the superficial digital flexor tendon of horses [Y Lin et al], 845

Microemulsion
Comparison of high (5%) and low (1%) concentrations of micellar microemulsion propofol formulations with a standard (1%) lipid emulsion in horses [P Boscana et al], 1476

Microsomes
Effect of oral administration of clinically relevant doses of dexamethasone on regulation of cytochrome P450 subfamilies in hepatic microsomes from dogs and rats [K Zhang et al], 329

Milk
Effect of administration of a controlled-release monensin capsule on incidence of calving-related disorders, fertility, and milk yield in dairy cows [P Melendez et al], 537
Assessment of antimicrobial transfer from treated to untreated mammary gland quarters by use of high-pressure liquid chromatography for detection of cloxacillin in milk samples from nonlactating dairy cows [CJ Sanford et al], 1140
Genetic diversity and antimicrobial susceptibility profiles among mastitis-causing Staphylococcus aureus isolated from bovine milk samples [KL Anderson et al], 1185
Modeled detection time for surveillance for foot-and-mouth disease virus in bulk tank milk [MC Thurmond et al], 2017

Minerals
Fractionation of calcium and magnesium in equine serum [I Lopez et al], 463
Assessment of bone mineral density of the femoral head in dogs with early osteoarthritis [HJ Chalmers et al], 796
Serum concentrations of calcium, phosphorus, magnesium, and calciotropic hormones in donkeys [I Lopez et al], 1333

Minimal Inhibitory Concentration
Epidemiologic cutoff values for antimicrobial agents against Aeromonas salmonicida isolates determined by frequency distributions of minimal inhibitory concentration and diameter of zone of inhibition data [RA Miller et al], 1837

Minimum Alveolar Concentration
Effect of intravenous administration of ketamine on the minimum alveolar concentration of isoflurane in anesthetized dogs [AM Solano et al], 21
Evaluation of administration of isoflurane at approximately the minimum alveolar concentration on depression of a nociceptive withdrawal reflex evoked by transcutaneous electrical stimulation in ponies [C Spadavecchia et al], 762
Effect of meloxicam and butorphanol on minimum alveolar concentration of isoflurane in rabbits [PV Turner et al], 770
Effect of medetomidine on respiration and minimum alveolar concentration of isoflurane in halothane- and isoflurane-anesthetized dogs [P Lerche et al], 782
Comparison of variability in cardiorespiratory measurements following desflurane anesthesia at a multiple of the minimum alveolar concentration for each dog versus a multiple of a single predetermined minimum alveolar concentration for all dogs in a group [BH Pypendop et al], 1956
Effects of ketamine and magnesium on the minimum alveolar concentration of isoflurane in goats [P Queiroz-Castro et al], 1962

Mitochondria
Characterization of canine mitochondrial protein expression in natural and induced forms of idiopathic dilated cardiomyopathy [R Lopes et al], 963
Correlation of mitochondrial protein expression in complexes I
to V with natural and induced forms of canine idiopathic dilated cardiomyopathy [R Lopes et al], 971

Mitogen
Effect of exercise on activation of the p38 mitogen-activated protein kinase pathway, c-Jun NH2 terminal kinase, and heat shock protein 27 in equine skeletal muscle [MM Ginneken et al], 837

Mitotane
Effect of mitotane on pituitary corticotrophs in clinically normal dogs [T Taoda et al], 1385

Mitrval Valve
Correlation between activation of the sympathetic nervous system estimated by plasma concentrations of norepinephrine and Doppler echocardiographic variables in dogs with acquired heart disease [MM Santos et al], 1163
Genomic expression patterns of mitral valve tissues from dogs with degenerative mitral valve disease [MA Oyama et al], 1307

Molecular Biology
Activity of feline interferon-omega after ocular or oral administration in cats as indicated by Mx protein expression in conjunctival and white blood cells [T Bracklein et al], 1025
Expression of molecular markers in blood of neonatal foals with sepsis [N Pusterla et al], 1045

Monensin
Effect of administration of a controlled-release monensin capsule on incidence of calving-related disorders, fertility, and milk yield in dairy cows [P Melendez et al], 1050

Monocytes
Regulation by Jun N-terminal kinase/stress activated protein kinase of cytokine expression in Mycobacterium avium subsp paratuberculosis-infected bovine monocytes [CD Souza et al], 1760

Mononuclear Cells
Effect of fetal bovine serum and heat-inactivated fetal bovine serum on microbial cell wall-induced expression of procoagulant activity by equine and canine mononuclear cells in vitro [S Okano et al], 1020

Morphine
Evaluation of the effects of the opioid agonist morphine on gastrointestinal tract function in horses [P Boscan et al], 992
Pharmacokinetics of the opioid antagonist N-methyl-naltrexone and evaluation of its effects on gastrointestinal tract function in horses treated or not treated with morphine [P Boscan et al], 998
Effects of epidural administration of morphine and buprenorphine on the minimum alveolar concentration of isoflurane in cats [BH Pypendon et al], 1471

Morphology
Prostaglandin, macrocyclic, glucose, and glucose-6-phosphate concentrations in skeletal muscles of horses with poly-saccharide storage myopathy performing light exercise [JT Bröjer et al], 1598
Effects of platelet-derived growth factor-BB on the metabolic function and morphologic features of equine tendon in explant culture [JL Haut et al], 1595
Morphologic and morphometric magnetic resonance imaging features of Doberman Pinschers with and without clinical signs of cervical spondyloomyelopathy [RC da Costa et al], 1601
Evaluation of changes in architecture of the stratum internum of the hoof wall from fetal, newborn, and yearling horses [LA Bidwell et al], 1947

Morphometry
Morphologic and morphometric magnetic resonance imaging features of Doberman Pinschers with and without clinical signs of cervical spondyloomyelopathy [RC da Costa et al], 1601

Motor Evoked Potentials
Correlation of motor evoked potentials with magnetic resonance imaging and neurologic findings in Doberman Pinschers with and without signs of cervical spondyloomyelopathy [RC da Costa et al], 1613

Motor Neuron Disease
Evaluation of the risk of motor neuron disease in horses fed a diet low in vitamin E and high in copper and iron [TJ Divers et al], 120

mRNA
Distribution of mRNA coding for 5-hydroxytryptamine receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dislocation [L Engel et al], 96
Quantitative mRNA analysis of adrenergic receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dislocation [B Kobel et al], 1367
mRNA expression and binding sites for α2-adrenergic receptor subtypes in muscle layers of the ileum and spiral colon of dairy cows [EC Otsouka et al], 1883

Mucosa
Comparison of cell populations derived from canine olfactory bulb and olfactory mucosal cultures [D Otto et al], 1050
In vitro effects of hydrochloric acid and various concentrations of acetic, propionic, butyric, or valeric acids on bioelectronic properties of equine gastric squamous mucosa [FM Andrews et al], 1873

Muscarinic Receptors
Distribution of muscarinic receptor subtypes and interstitial cells of Cajal in the gastrointestinal tract of healthy dairy cows [MH Stoffel et al], 1992

Muscle
Effect of exercise on activation of the p38 mitogen-activated protein kinase pathway, c-Jun NH2 terminal kinase, and heat shock protein 27 in equine skeletal muscle [MM Ginneken et al], 837
mRNA expression and binding sites for α2-adrenergic receptor subtypes in muscle layers of the ileum and spiral colon of dairy cows [EC Otsouka et al], 1883

Musculoskeletal System
Effects of anatomic conformation on three-dimensional motion of the caudal lumbar and lumbosacral portions of the vertebral column of dogs [MI Benninger et al], 43
Effects of femur position on radiographic assessment of completeness of femoral head and neck excision in medium- to large-breed dogs [A Vinayak et al], 64
Effect of micronutrient electrical tissue stimulation on equine tenocytes in culture [Y-L Lin et al], 271
Matrix metalloproteinase-9 activity in the cerebrospinal fluid and serum of dogs with acute spinal cord trauma from intervertebral disk disease [JM Levine et al], 283
Association between limb conformation and retention of sows through the second parity [KJ Tiranti et al], 505
Effects of early intensive postoperative physiotherapy on limb function after tibial plateau leveling osteotomy in dogs with deficiency of the cranial cruciate ligament [ML Monk et al], 529
Use of force plate analysis to assess the analgesic effects of etodolac in horses with navicular syndrome [KD Symonds et al], 557
Histo morphologic evaluation of extracorporeal shock wave therapy of the fourth metatarsal bone and the origin of the sus-
Assessment of collagen genes involved in fragmented medial

Evaluation of safety and pharmacokinetics of vancomycin after

Pharmacokinetics and pharmacodynamics of enrofloxacin and

Morphologic and morphometric magnetic resonance imaging

Effects of platelet-derived growth factor-BB on the metabolic

Proglycogen, macroglycogen, glucose, and glucose-6-phos-

Relationship between stages of the estrous cycle and bone cell

Vascular distribution of contrast medium during intraosseous

Association between findings on palmarodorsal radiographic images and detection of a fracture in the proximal sesamoid bones of forelimbs obtained from cadavers of racing Thoroughbreds [LA Anthenil et al], 858

Effect of diameter of the drill hole on torque of screw insertion and pushout strength for headless tapered compression screws in simulated fractures of the lateral condyle of the equine third metacarpal bone [RS Carpenter et al], 895

Genetic analyses of the radiographic appearance of the distal sesamoid bones in Hanoverian Warmblood horses [KF Stock et al], 1013

Concentrations of 15F/d2t/D isoprostane in urine of dogs with intervertebral disk disease [MA Michael et al], 1226

Evaluation of nonunion fractures in dogs by use of B-mode ultrasonography, power Doppler ultrasonography, radiography, and histologic examination [M Risselada et al], 1354

Exclusion of linkage of the RYR1, CACNA1S, and ATP2A1 genes to recurrent exertional rhabdomyolysis in Thoroughbreds [PK Dranchak et al], 1395

Vascular distribution of contrast medium during intraosseous regional perfusion of the distal portion of the equine forelimb [GJ Keys et al], 1445

Development and evaluation of a noninvasive marker cluster technique to assess three-dimensional kinematics of the distal portion of the forelimb in horses [SJ Hobbs et al], 1511

Relationship between stages of the estrous cycle and bone cell activity in Thoroughbreds [BF Jackson et al], 1527

Proglycogen, macroglycogen, glucose, and glucose-6-phosphate concentrations in skeletal muscles of horses with poly-saccharide storage myopathy performing light exercise [JT Bröjer et al], 1589

Effects of platelet-derived growth factor-BB on the metabolic function and morphologic features of equine tendon in explant culture [JL Haupt et al], 1595

Morphologic and morphometric magnetic resonance imaging features of Doberman Pinschers with and without clinical signs of cervical spondylopathy [RC da Costa et al], 1601

Correlation of motor evoked potentials with magnetic resonance imaging and neurologic findings in Doberman Pinschers with and without signs of cervical spondylomyelopathy [RC da Costa et al], 1613

Pharmacokinetics and pharmacodynamics of enrofloxacin and a low dose of amikacin administered via regional intravenous limb perfusion in standing horses [A Parra-Sanchez et al], 1687

Evaluation of safety and pharmacokinetics of vancomycin after intraosseous regional limb perfusion and comparison of results with those obtained after intravenous regional limb perfusion in horses [LM Rubio-Martinez et al], 1701

Assessment of collagen genes involved in fragmented medial coronoid process development in Labrador Retrievers as determined by affected sibling-pair analysis [KG Salg et al], 1713

Histomorphometric analysis of articular cartilage, zone of calcified cartilage, and subchondral bone plate in femoral heads from clinically normal dogs and dogs with moderate or severe osteoarthritis [BM Daubs et al], 1719

Effect of width of disk fenestration and a ventral slot on biomechanics of the canine C5-C6 vertebral motion unit [AE Fauber et al], 1844

Effects of sodium hyaluronate and methylprednisolone acetate on proteoglycan metabolism in equine articular chondrocytes treated with interleukin-1 [AC Yates et al], 1980

Mycobacterium spp

Evaluation of historical factors influencing the occurrence and distribution of Mycobacterium bovis infection among wildlife in Michigan [R Miller et al], 604

Evaluation of cost-effectiveness of targeted sampling methods for detection of Mycobacterium avium subsp paratuberculosis infection in dairy herds [S Tavornpanich et al], 821

Regulation by Jun N-terminal kinase/stress activated protein kinase of cytokine expression in Mycobacterium avium subsp paratuberculosis-infected bovine monocytes [CD Souza et al], 1760

Monitoring responses by use of five-color flow cytometry in subsets of peripheral T cells obtained from cattle inoculated with a killed Mycobacterium avium subsp paratuberculosis vaccine [R Platt et al], 2050

Mycoplasma spp

Attempted transmission of Candidatus Mycoplasma haemominutum and Mycoplasma haemofelis by feeding cats infected with Ctenocephalides felis [JE Woods et al], 494

Mycoses

Pharmacokinetics of fluconazole after oral administration of single and multiple doses in African grey parrots [F Hamm et al], 417

In vitro efficacy of a buffered chelating solution as an antimicrobial potentiator for antifungal drugs against fungal pathogens obtained from horses with mycotic keratitis [WL Weinstein et al], 562

In vitro fungistatic and fungicidal activities of silver sulfadiazine and natamycin on pathogenic fungi isolated from horses with keratomycosis [CM Betbeze et al], 1788

Myelin Basic Protein

Expression of neural markers on bone marrow-derived canine mesenchymal stem cells [H Kamishina et al], 1921

Myeloencephalitis

Indirect fluorescent antibody testing of cerebrospinal fluid for diagnosis of equine protozoal myeloencephalitis [PC Duarte et al], 869

Myenteric Plexus

Effect of adrenalectomy on cholecystokinin-8-induced Fos-like immunoreactivity in myenteric neurons and the dorsal vagal complex in rats [SJ Raboin et al], 1552

Mycoplasma haemophilus

Effect of adrenalectomy on cholecystokinin-8-induced Fos-like immunoreactivity in myenteric neurons and the dorsal vagal complex in rats [SJ Raboin et al], 1552

Myopathy

Proglycogen, macroglycogen, glucose, and glucose-6-phosphate concentrations in skeletal muscles of horses with poly-saccharide storage myopathy performing light exercise [JT Bröjer et al], 1589

Nail

In vitro mechanical evaluation of torsional loading in simulated canine tibiae for a novel hourglass-shaped interlocking nail with a self-tapping tapered locking design [LM Dejardin et al], 678

Natamycin

In vitro fungistatic and fungicidal activities of silver sulfadiazine and natamycin on pathogenic fungi isolated from horses with keratomycosis [CM Betbeze et al], 1788
Acierno et al., 2006;67:1820

*Neuropathy*

Assessment of glutamate loss from the ganglion cell layer of normal, familial, and transgenic rats [DV Devine et al], 834

Effects of phenylbutazone alone or in combination with flunixin meglumine on blood protein concentrations in horses [SK Reed et al], 882

Evaluation of the anatomic effect of physical therapy exercises on cataract formation in dogs fed a diet high in galactose [PB Kador et al], 778

In vitro fungistatic and fungicidal activities of silver sulfadiazine and natamycin on pathogenic fungi isolated from horses with keratomycosis [CM Betbeze et al], 1788

Distribution of muscarinic receptor subtypes and interstitial cells of Cajal in the gastrointestinal tract of healthy dairy cows [MH Stoffel et al], 1992

*Neurons*

Effect of adrenalectomy on cholecystokinin-8-induced Fos-like immunoreactivity in myenteric neurons and the dorsal vaginal complex in rats [SJ Raboin et al], 1552

**Neuropeptide Y**

Evaluation of the effects of short-chain fatty acids and extracellular pH on bovine neutrophil function in vitro [SW Mills et al], 2006;67:1901

Correction: 2006;67:2035

In vitro evaluation of the effect of a novel immunosuppressive agent, FTY720, on the function of feline neutrophils [Y-J Chen et al], 588

*Nitroglycerin*

Effects of endothelin receptor antagonist and nitroglycerin on digital vascular function in horses during the prodromal stages of carbohydrate overload-induced laminitis [SC Eades et al], 1204

*N-methyl-L-tryptophan*

Pharmacokinetics of the opioid antagonist N-methyl-L-tryptophan and evaluation of its effects on gastrointestinal tract function in horses treated or not treated with morphine [P Boscand et al], 998

**Nociception**

Evaluation of administration of isoflurane at approximately the minimum alveolar concentration on depression of a nociceptive withdrawal reflex evoked by transcutaneous electrical stimulation in ponies [C Spadavecchia et al], 762

Gait abnormalities caused by selective anesthesia of the suprascapular nerve in horses [DV Devine et al], 834

Chronic effects of ketamine, diazepam, and their combination on intraocular pressures in clinically normal dogs [EH Hofmeister et al], 1136

Correlation between activation of the sympathetic nervous system estimated by plasma concentrations of norepinephrine and Doppler echocardiographic variables in dogs with acquired heart disease [MM Santos et al], 1163

Effect of head position on intraocular pressure in horses [AM Komáromy et al], 1232

Comparison analysis of cytokine gene expression in cerebrospinal fluid of horses without neurologic signs or with selected neurologic disorders [N Pusterla et al], 1433

Effect of adrenalectomy on cholecystokinin-8-induced Fos-like immunoreactivity in myenteric neurons and the dorsal vaginal complex in rats [SJ Raboin et al], 1552

Morphologic and morphometric magnetic resonance imaging features of Doberman Pinschers with and without clinical signs of cervical spondylomyelopathy [RC da Costa et al], 1601

Correlation of motor evoked potentials with magnetic resonance imaging and neurologic findings in Doberman Pinschers with and without signs of cervical spondylomyelopathy [RC da Costa et al], 1613

Cytoarchitecture, morphology, and lumbosacral spinal cord projections of the red nucleus in cattle [R Chiochetti et al], 1662

Intraobserver and interobserver agreement, reproducibility, and accuracy of computed tomographic measurements of pituitary gland dimensions in healthy dogs [RH van de Vlugt-Meijer et al], 1750

Evaluation of the anatomic effect of physical therapy exercises for mobilization of lumbar spinal nerves and the dura mater in dogs [FI Bruinenfelder et al], 1773

Duration of corneal anaesthesia following topical administration of 0.5% proparacaine hydrochloride solution in clinically normal cats [DR Binder et al], 1780

Effects of topical administration of an aldose reductase inhibitor on cataract formation in dogs fed a diet high in galactose [PF Kador et al], 1783

In vitro fungistatic and fungicidal activities of silver sulfadiazine and natamycin on pathogenic fungi isolated from horses with keratomycosis [CM Betbeze et al], 1788

Distribution of muscarinic receptor subtypes and interstitial cells of Cajal in the gastrointestinal tract of healthy dairy cows [MH Stoffel et al], 1992

*Neurons*

Effect of adrenalectomy on cholecystokinin-8-induced Fos-like immunoreactivity in myenteric neurons and the dorsal vaginal complex in rats [SJ Raboin et al], 1552

*Neuropeptide Y**

Evaluation of the effects of short-chain fatty acids and extracellular pH on bovine neutrophil function in vitro [SW Mills et al], 2006;67:1901

Correction: 2006;67:2035

In vitro evaluation of the effect of a novel immunosuppressive agent, FTY720, on the function of feline neutrophils [Y-J Chen et al], 588

*Nitroglycerin*

Effects of endothelin receptor antagonist and nitroglycerin on digital vascular function in horses during the prodromal stages of carbohydrate overload-induced laminitis [SC Eades et al], 1204

*N-methyl-L-tryptophan*

Pharmacokinetics of the opioid antagonist N-methyl-L-tryptophan and evaluation of its effects on gastrointestinal tract function in horses treated or not treated with morphine [P Boscand et al], 998

**Nociception**

Evaluation of administration of isoflurane at approximately the minimum alveolar concentration on depression of a nociceptive withdrawal reflex evoked by transcutaneous electrical stimulation in ponies [C Spadavecchia et al], 762

Gait abnormalities caused by selective anesthesia of the suprascapular nerve in horses [DV Devine et al], 834

Indirect fluorescent antibody testing of cerebrospinal fluid for diagnosis of equine protozoal myeloencephalitis [PC Duarte et al], 557

Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 877

Quantitative assessment of nociceptive processes in conscious dogs by use of the nociceptive withdrawal reflex [A Bergadano et al], 882

Effects of ketamine, diazepam, and their combination on intraocular pressures in clinically normal dogs [EH Hofmeister et al], 1136

Correlation between activation of the sympathetic nervous system estimated by plasma concentrations of norepinephrine and Doppler echocardiographic variables in dogs with acquired heart disease [MM Santos et al], 1163

Effect of head position on intraocular pressure in horses [AM Komáromy et al], 1232

Comparison analysis of cytokine gene expression in cerebrospinal fluid of horses without neurologic signs or with selected neurologic disorders [N Pusterla et al], 1433

Effect of adrenalectomy on cholecystokinin-8-induced Fos-like immunoreactivity in myenteric neurons and the dorsal vaginal complex in rats [SJ Raboin et al], 1552

Morphologic and morphometric magnetic resonance imaging features of Doberman Pinschers with and without clinical signs of cervical spondylomyelopathy [RC da Costa et al], 1601

Correlation of motor evoked potentials with magnetic resonance imaging and neurologic findings in Doberman Pinschers with and without signs of cervical spondylomyelopathy [RC da Costa et al], 1613

Cytoarchitecture, morphology, and lumbosacral spinal cord projections of the red nucleus in cattle [R Chiochetti et al], 1662

Intraobserver and interobserver agreement, reproducibility, and accuracy of computed tomographic measurements of pituitary gland dimensions in healthy dogs [RH van de Vlugt-Meijer et al], 1750

Evaluation of the anatomic effect of physical therapy exercises for mobilization of lumbar spinal nerves and the dura mater in dogs [FI Bruinenfelder et al], 1773

Duration of corneal anaesthesia following topical administration of 0.5% proparacaine hydrochloride solution in clinically normal cats [DR Binder et al], 1780

Effects of topical administration of an aldose reductase inhibitor on cataract formation in dogs fed a diet high in galactose [PF Kador et al], 1783

In vitro fungistatic and fungicidal activities of silver sulfadiazine and natamycin on pathogenic fungi isolated from horses with keratomycosis [CM Betbeze et al], 1788

Distribution of muscarinic receptor subtypes and interstitial cells of Cajal in the gastrointestinal tract of healthy dairy cows [MH Stoffel et al], 1992

*Neurons*

Effect of adrenalectomy on cholecystokinin-8-induced Fos-like immunoreactivity in myenteric neurons and the dorsal vaginal complex in rats [SJ Raboin et al], 1552

*Neuropeptide Y*

Evaluation of the effects of short-chain fatty acids and extracellular pH on bovine neutrophil function in vitro [SW Mills et al], 2006;67:1901

Correction: 2006;67:2035

In vitro evaluation of the effect of a novel immunosuppressive agent, FTY720, on the function of feline neutrophils [Y-J Chen et al], 588

*Nitroglycerin*

Effects of endothelin receptor antagonist and nitroglycerin on digital vascular function in horses during the prodromal stages of carbohydrate overload-induced laminitis [SC Eades et al], 1204

*N-methyl-L-tryptophan*

Pharmacokinetics of the opioid antagonist N-methyl-L-tryptophan and evaluation of its effects on gastrointestinal tract function in horses treated or not treated with morphine [P Boscand et al], 998

**Nociception**

Evaluation of administration of isoflurane at approximately the minimum alveolar concentration on depression of a nociceptive withdrawal reflex evoked by transcutaneous electrical stimulation in ponies [C Spadavecchia et al], 762

Quantitative assessment of nociceptive processes in conscious dogs by use of the nociceptive withdrawal reflex [A Bergadano et al], 882

**Nonsteroidal Anti-inflammatory Drugs (NSAIDs)**

Effects of phenylbutazone alone or in combination with flunixin meglumine on blood protein concentrations in horses [SK Reed et al], 2006;67:398

Letter [FK Reilly], 2006;67:2035

Response [SK Reed et al], 2006;67:747

Use of force plate analysis to assess the analgesic effects of etodolac in horses with navicular syndrome [KD Symonds et al], 557

Comparative pharmacokinetics of meloxicam in clinically normal horses and donkeys [MD Sinclair et al], 1082

Safety of reduced-dosage ketoprofen for long-term oral administration in healthy dogs [T Nartia et al], 1115
Effect of short-term sequential administration of nonsteroidal anti-inflammatory drugs on the stomach and proximal portion of the duodenum in healthy dogs [KL Dowers et al], 1794

Effects of carprofen on renal function during medetomidine-propofol-isoflurane anesthesia in dogs [JHM Frendin et al], 1967

Nonthermal Plasma
In vitro analysis of nonthermal plasma as a disinfecting agent [AE Watts et al], 2030

Norepinephrine
Evaluation of the effects of stress in cats with idiopathic cystitis [JL Westropp et al], 731
Correlation between activation of the sympathetic nervous system estimated by plasma concentrations of norepinephrine and Doppler echocardiographic variables in dogs with acquired heart disease [MM Santos et al], 1163
Effects of dobutamine, norepinephrine, and vasopressin on cardiovascular function in anesthetized neonatal foals with induced hypotension [A Valverde et al], 1730

Nucleotides
Nucleotide structure of equine platelet-derived growth factor-A and -B and expression in horses with induced acute tendinitis [BP Donnelly et al], 2006;67:1218
Correction: 2006;67:1627

Nucleus
Cytoarchitecture, morphology, and lumbosacral spinal cord projections of the red nucleus in cattle [R Chiocchetti et al], 1662

Nutrition
Postprandial changes in leptin concentrations of cerebrospinal fluid in dogs during development of obesity [N Nishii et al], 2006

Obesity
Effects of administration of glucocorticoids and feedings status on plasma leptin concentrations in dogs [N Nishii et al], 266
Postprandial changes in leptin concentrations of cerebrospinal fluid in dogs during development of obesity [N Nishii et al], 2006

Obstructive Pulmonary Disease
Immunochemical determination of the expression of endothelin receptors in bronchial smooth muscle and epithelium of healthy horses and horses affected by summer pasture-associated obstructive pulmonary disease [S Polikepahad et al], 348

Oclusion
Evaluation of manufacturing variability, diffusion of filling solutions, and long-term maintenance of occlusion in silicone hydraulic occluders [CW Sereda et al], 1453

Olfactory Cells
Comparison of cell populations derived from canine olfactory bulb and olfactory mucosal cultures [D Ito et al], 1050

Oligosaccharides
In vivo measurement of flatulence and nutrient digestibility in dogs fed poultry by-product meal, conventional soybean meal, and low-oligosaccharide low-phytate soybean meal [RM Yamka et al], 88

Omentectomy
Comparison of laparoscopic-guided abomasopexy versus omentectomy via right flank laparotomy for the treatment of left abomasal displacement in dairy cows [T Seeeger et al], 472

Oncology
Neurohormonal, hemodynamic, and electrocardiographic evaluations of healthy dogs receiving long-term administration of doxorubicin [R Chamié Alves de Souza et al], 2006;67:1319
Correction: 2006;67:1779

Expression of the PTEN tumor suppressor gene in malignant mammary gland tumors of dogs [Y Kanae et al], 127
Evaluation of the effects of dietary n-3 fatty acid supplementation on the pharmacokinetics of doxorubicin in dogs with lymphoma [KA Selting et al], 145
Phase I trial and pharmacokinetic analysis of ifosamide in cats with sarcomas [KM Rassnick et al], 510
Results of phase II clinical trial on the use of ifosamide for treatment of cats with vaccine-associated sarcomas [KM Rassnick et al], 517

Evaluation of dysregulation of the receptor tyrosine kinases Kit, Flt3, and Met in histiocytic sarcomas in dogs [R Zavodovskaya et al], 633
Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 877, 890

Comparison of B-mode and Doppler ultrasonographic findings with histologic features of benign and malignant superficial lymph nodes in dogs [HT Nyman et al], 978

Comparison of B-mode and Doppler ultrasonographic findings with histologic features of benign and malignant mammary tumors in dogs [HT Nyman et al], 985

Phase I and pharmacokinetic evaluation of the combination of orally administered docetaxel and cyclosporin A in tumor-bearing dogs [MC McEntee et al], 1057

Material properties of and tissue reaction to the Slocum TPLO plate [RJ Boudrieau et al], 1258

Somatic alterations of the p53 tumor suppressor gene in vaccine-associated feline sarcoma [N Banerji et al], 1766
Detection of novel papillomaviruslike sequences in paraffin-embedded specimens of invasive and in situ squamous cell carcinomas from cats [G Nespeca et al], 2036

Ophthalmology
Comparison of the use of new handheld tonometers and established applanation tonometers in dogs [C Görg et al], 134
Evaluation of acoustic wave propagation velocities in the ocular lens and vitreous tissue of pigs, dogs, and rabbits [C Görg et al], 288

Evaluation of concentration of voriconazole in aqueous humor after topical and oral administration in horses [AB Clode et al], 296

Assessment of glutamate loss from the ganglion cell layer of young DBA/2J mice with glaucoma [HC Low et al], 302

Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 877, 890

Effects of ketamine, diazepam, and their combination on intraocular pressures in clinically normal dogs [EH Hofmeister et al], 1136

Intraobserver and interobserver repeatability of ocular biometric measurements obtained by means of B-mode ultrasonography in dogs [SAEB Boroffka et al], 1743

Duration of corneal anesthesia following topical administration of 0.5% proparacaine hydrochloride solution in clinically normal cats [DR Binder et al], 1780

Effects of topical administration of an aldose reductase inhibitor on cataract formation in dogs fed a diet high in galactose [PF Kador et al], 1783

In vitro fungistatic and fungicidal activities of silver sulfadiazine and natamycin on pathogenic fungi isolated from horses with keratomycosis [CM Betbeze et al], 1788

Evaluation of retinal images for identifying individual dogs [JR Gionfriddo et al], 2042
Opioids
Analgesic effects of subarachnoidally administered hyperbaric opioids in horses [CC Natalini et al], 941
Evaluation of the effects of the opioid agonist morphine on gastrointestinal tract function in horses [P Boscan et al], 992
Pharmacokinetics of the opioid antagonist N-methylnaltrixone and evaluation of its effects on gastrointestinal tract function in horses treated or not treated with morphine [P Boscan et al], 998

Orthopedics
Effects of femur position on radiographic assessment of completeness of femoral head and neck excision in medium- to large-breed dogs [A Vinayak et al], 64
Effects of early intensive postoperative physiotherapy on limb function after tibial plateau leveling osteotomy in dogs with deficiency of the cranial cruciate ligament [ML Monk et al], 529
In vitro mechanical evaluation of torsional loading in simulated canine tibiae for a novel hourglass-shaped interlocking nail with a self-tapping tapered locking design [LM Dejardin et al], 678
In vitro evaluation of five canine tibial plateau leveling methods [BE Hildreth III et al], 693
Evaluation of delayed-image bone scintigraphy to assess bone formation after distraction osteogenesis in dogs [LF Thysye et al], 790
Effect of diameter of the drill hole on torque of screw insertion and pushout strength for headless tapered compression screws in simulated fractures of the lateral condyle of the equine third metacarpal bone [RS Carpenter et al], 895
Material properties of and tissue reaction to the Slocum TPLO plate [RJ Boudrieau et al], 1258
Comparison of measurements obtained by use of an electrogoniometer and a universal plastic goniometer for the assessment of joint motion in dogs [TM Thomas et al], 1974
In vitro analysis of nonthermal plasma as a disinfecting agent [AE Watts et al], 2030

Oscillometry
Accuracy of an oscillometric blood pressure monitor during phenylephrine-induced hypertension in dogs [RM McMurphy et al], 1541

Osteoarthritis
Serum and synovial fluid concentrations of keratan sulfate and hyaluronic in dogs with induced stifle joint osteoarthritis following cranial cruciate ligament transaction [SC Budsberg et al], 429
Characterization of experimentally induced post-traumatic osteoarthritis in the medial femorotibial joint of horses [CJ Bolam et al], 433
Assessment of bone mineral density of the femoral head in dogs with early osteoarthritis [HJ Chalmers et al], 796
Gross, histologic, and gene expression characteristics of osteoarthritic articular cartilage of the metacarpal condyle of horses [KJ Smith et al], 1299
Assessment of the use of RNA quality metrics for the screening of articular cartilage specimens from clinically normal dogs and dogs with osteoarthritis [DN Clements et al], 1438
Histomorphometric analysis of articular cartilage, zone of calcified cartilage, and subchondral bone plate in femoral heads from clinically normal dogs and dogs with moderate or severe osteoarthritis [BM Daubs et al], 1719
Effects of sodium hyaluronate and methylprednisolone acetate on proteoglycan metabolism in equine articular chondrocytes treated with interleukin-1 [AC Yates et al], 1980

Osteocalcin
Relationship between stages of the estrous cycle and bone cell activity in Thoroughbreds [BF Jackson et al], 1527

Osteochondritis
Cartilage-derived biomarkers and lipid mediators of inflammation in horses with osteochondritis dissecans of the distal intermediate ridge of the tibia [JC de Grauw et al], 1156

Osteocytes
Relationship between stages of the estrous cycle and bone cell activity in Thoroughbreds [BF Jackson et al], 1527

Osteogenesis
Evaluation of delayed-image bone scintigraphy to assess bone formation after distraction osteogenesis in dogs [LF Thysye et al], 790

Osteotomy
Effects of early intensive postoperative physiotherapy on limb function after tibial plateau leveling osteotomy in dogs with deficiency of the cranial cruciate ligament [ML Monk et al], 529
Material properties of and tissue reaction to the Slocum TPLO plate [RJ Boudrieau et al], 1258

Otitis
In vitro activity of an ear rinse containing tretmethamine, EDTA, and benzyl alcohol on bacterial pathogens from dogs with otitis [LK Cole et al], 1040

Oxygen
Detection of superoxide anion generation by equine spermatozoa [K Sabeur et al], 701
Effect of changes in ionized calcium concentration in arterial blood and metabolic acidosis on the arterial partial pressure of oxygen in dogs [I Lopez et al], 801
Evaluation of isoflurane and sevoflurane vaporizers over a wide range of oxygen flow rates [TD Ambrisko et al], 936
Concentrations of 15F/d2t/D isoprostane in urine of dogs with intervertebral disk disease [MA McMichael et al], 1226

Pain
Quantitative assessment of nociceptive processes in conscious dogs by use of the nociceptive withdrawal reflex [A Bergadano et al], 882
Validation of a structure questionnaire as an instrument to measure chronic pain in dogs on the basis of effects on health-related-quality of life [ML Wiseman-Orr et al], 1826

Pancreas
Serum lipase activities and pancreatic lipase immunoreactivity concentrations in dogs with exocrine insufficiency [JM Steiner et al], 84
Microanatomic features of pancreatic islets and immunocytokinization of glucose transporters in tissues of llamas and alpacas [CK Cebra et al], 524

Pancreatitis
Isolation and characterization of a coronavirus from pigeons with pancreatitis [DH Qian et al], 1575

Papillomavirus
Detection of novel papillomaviruslike sequences in paraffin-embedded specimens of invasive and in situ squamous cell carcinomas from cats [G Nespeca et al], 2036

Parainfluenza Virus
Induction of antigen-specific T-cell subset activation to bovine respiratory disease viruses by a modified-live virus vaccine [R Platt et al], 1179

Parasitology
Pharmacokinetics of a novel formulation of ivermectin after administration to goats [A González et al], 323
Attempted transmission of Candidatus Mycoplasma haemomin-
Establishment of optimal conditions for long-term culture of erythrocytic stages of *Theileria ellenbergeri* [JP Miranda et al], 1908

**Parathyroid Hormone**
Serum concentrations of calcium, phosphorus, magnesium, and calcitropic hormones in donkeys [I Lopez et al], 1333

**Parrots**
Pharmacokinetics of fluconazole after oral administration of single and multiple doses in African grey parrots [K Flammer et al], 417
Serum concentrations and analgesic effects of liposome-encapsulated and standard butorphanol tartrate in parrots [KK Sladky et al], 775

**Passive Transfer**
Evaluation of assay procedures for prediction of passive transfer status in lambs [G Massimini et al], 593

**Pasteurella spp**
Age-dependent seroprevalence of antibodies against a *Helicobacter pylori*-like organism and *Helicobacter pylori* in commercially reared swine [JA Ellis et al], 1890

**Pasture**
Quantification of spontaneous locomotion activity in foals kept in pastures under various management conditions [CMH Chantal Kurvers et al], 1212
Temporal clinical exacerbation of summer pasture-associated recurrent airway obstruction and relationship with climate and aeroallergens in horses [LRR Costa et al], 1635

**Patellar Ligament**
Inclination of the patellar ligament in relation to flexion angle in stifles joints of dogs without degenerative joint disease [R Dennier et al], 1849
Angle between the patellar ligament and tibial plateau in dogs with partial rupture of the cranial cruciate ligament [CS Schwandt et al], 1855

**Pathogenesis**
Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 877

**Pathogenicity**
Evaluation of the effects of animal age, concurrent bacterial infection, and pathogenicity of porcine reproductive and respiratory syndrome virus on virus concentration in pigs [JG Cho et al], 489

**Pathology**
Gross, histologic, and gene expression characteristics of osteoarthritic articular cartilage of the metacarpal condyle of horses [KJ Smith et al], 1299
Clinical, humoral, and pathologic findings in adult alpacas with experimentally induced *Corne bacterium pseudotuberculosis* infection [WU Braga et al], 1570

**PCR Assay**
Antemortem detection of latent infection with neuropathogenic strains of equine herpesvirus-1 in horses [GP Allen et al], 2006;67:1401
Letter [FR Reilly], 2006;67:1820

**Pentoxifylline**
Pharmacokinetics of pentoxifylline and its 5-hydroxyhexyl metabolite after oral and intravenous administration of pentoxifylline to healthy adult horses [DA Liska et al], 1621

**Peptides**
Analytical, physiologic, and clinical validation of a radioimmunoassay for measurement of procollagen type III aminoterminal propeptide in serum and bronchoalveolar lavage fluid obtained from dogs [S Schuller et al], 749

**Perfusion**
Pharmacokinetics and pharmacodynamics of enrofloxacin and a low dose of amikacin administered via regional intravenous limb perfusion in standing horses [A Parra-Sanchez et al], 1687
Evaluation of safety and pharmacokinetics of vancomycin after intraosseous regional limb perfusion and comparison of results with those obtained after intravenous regional limb perfusion in horses [LM Rubio-Martinez et al], 1701

**Permeability**
Evaluation of gastrointestinal permeability and mucosal absorptive capacity in dogs with chronic enteropathy [K Allen sapch et al], 479
Oral administration of sucrose solutions and measurement of serum sucrose concentrations to evaluate gastric permeability in adult bottlenose dolphins (*Tursiops truncatus*) [KK Buddington et al], 931

**p53 Gene**
Somatic alterations of the p53 tumor suppressor gene in vaccine-associated feline sarcoma [N Banerji et al], 1766

**pH**
Evaluation of the effects of short-chain fatty acids and extracellular pH on bovine neutrophil function in vivo [SW Mills et al], 2006;67:1901
Correction: 2006;67:2035
Effect of changes in ionized calcium concentration in arterial blood and metabolic acidosis on the arterial partial pressure of oxygen in dogs [I Lopez et al], 801

**Pharmacokinetics**
Evaluation of the effects of dietary n-3 fatty acid supplementation on the pharmacokinetics of doxorubicin in dogs with lymphoma [KA Selting et al], 145
Evaluation of concentration of voriconazole in aqueous humor after topical and oral administration in horses [AB Clode et al], 296
Pharmacokinetics and tissue distribution of doxycycline after oral administration of single and multiple doses in horses [JL Davis et al], 310
Influence of gastrointestinal tract disease on pharmacokinetics of lidocaine after intravenous infusion in anesthetized horses [DJ Feary et al], 317
Pharmacokinetics of a novel formulation of ivermectin after administration to goats [A González et al], 323
Pharmacokinetics of fluconazole after oral administration of single and multiple doses in African grey parrots [K Flammer et al], 417
Evaluation of the pharmacokinetics and bioavailability of intra-venously and orally administered amiodarone in horses [D De Clercq et al], 448
Phase I trial and pharmacokinetic analysis of ifosfamide in cats with sarcomas [KM Rassnick et al], 510
Pharmacokinetics of amoxicillin administered in drinking water
to recently weaned 3- to 4-week-old pigs with diarrhea experimentally induced by *Escherichia coli* O149:F4 [GM Jensen et al], 648

Pharmacokinetics of methylprednisolone acetate after intrarticular administration and its effect on endogenous hydrocortisone and cortisone secretion in horses [LR Soma et al], 654

Pharmacokinetics of marbofloxacin in blue and gold macaws (*Ara ararauna*) [JW Carpenter et al], 947

Pharmacokinetics of the opioid antagonist N-methylaltrexone and evaluation of its effects on gastrointestinal tract function in horses treated or not treated with morphine [P Boscan et al], 998

Phase I and pharmacokinetic evaluation of the combination of orally administered docetaxel and cyclosporin A in tumor-bearing dogs [MC McEntee et al], 1057

Pharmacokinetics of intravenously administered caffeine in healthy alpacas (*Lama pacos*) and llamas (*Lama glama*) [J Lakritz et al], 1063

Pharmacokinetics of voriconazole after oral and intravenous administration to horses [JL Davis et al], 1070

Pharmacokinetics of diflucoxacin after intravenous, intramuscular, and intragastric administration to horses [E Fernández-Varón et al], 1076

Comparative pharmacokinetics of meloxicam in clinically normal horses and donkeys [MD Sinclair et al], 1082

Pharmacodynamics and clinical effects of a subanesthetic continuous rate infusion of ketamine in awake horses [CL Fielding et al], 1484

Pharmacokinetics of pentoxifylline and its 5-hydroxyhexyl metabolite after oral and intravenous administration of pentoxifylline to healthy adult horses [DA Liska et al], 1621

Pharmacokinetics of inhaled anesthetics in green iguanas (*Iguana iguana*), 1670

Pharmacokinetics of clarihtromycin and concentrations in body fluids and bronchoalveolar cells of foals [AY Womble et al], 1681

Pharmacokinetics and pharmacodynamics of enrofloxacin and a low dose of amikacin administered via regional intravenous limb perfusion in standing horses [A Parra-Sanchez et al], 1687

Evaluation of safety and pharmacokinetics of vancomycin after intraosseous regional limb perfusion and comparison of results with those obtained after intravenous regional limb perfusion in horses [LM Rubio-Martinez et al], 1701

Pharmacology

Assessment of ruminal degradation, oral bioavailability, and toxic effects of anticoagulant rodenticides in sheep [PJ Berny et al], 363

Phenylbutazone

Effects of phenylbutazone alone or in combination with flunixin meglumine on blood protein concentrations in horses [SK Reed et al], 2006;67:398
Letter [FK Reilly], 2006;67:747
Response [SK Reed et al], 2006;67:747

Phenylephrine

Effects of increasing infusion rates of dopamine, dobutamine, epinephrine, and phenylephrine in healthy anesthetized cats [PJ Pascoe et al], 1491

Accuracy of an oscillometric blood pressure monitor during phenylephrine-induced hypertension in dogs [RM McMurphy et al], 1541

Phenylpropanolamine

Evaluation of the urodynamic and hemodynamic effects of orally administered phenylpropanolamine and ephedrine in female dogs [F Caroffigo et al], 723

Urodynamic and morphologic changes in the lower portion of the urogenital tract after administration of estriol alone and in combination with phenylpropanolamine in sexually intact and spayed female dogs [AJ Hamaide et al], 901

Phlegmgon

Evaluation of the effects of short-chain fatty acids and extracellular pH on bovine neutrophil function in vitro [SW Mills et al], 2006;67:1901
Correction: 2006;67:2035

Phosphorus

Serum concentrations of calcium, phosphorus, magnesium, and calcitropic hormones in donkeys [I Lopez et al], 1333

Physiology

Distribution of mRNA coding for 5-hydroxytryptamine receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dislocation [L Engel et al], 95

Effects of administration of glucocorticoids and feedings status on plasma leptin concentrations in dogs [N Nishi et al], 266

Blood lipid concentrations and lipoprotein patterns in captive and wild American black bears (*Ursus americanus*) [N Frank et al], 335

Evaluation of association between body size and intestinal transit time in healthy dogs [DC Hemot et al], 342

Evaluation of gastrointestinal permeability and mucosal absorptive capacity in dogs with chronic enteropathy [K Allenspach et al], 479

Effects of administration of fluids and diuretics on glomerular filtration rate, renal blood flow, and urine output in healthy awake cats [JM McClellan et al], 715

Oral administration of sucrose solutions and measurement of serum sucrose concentrations to evaluate gastric permeability in adult bottlenose dolphins (*Tursiops truncatus*) [KK Buddington et al], 931

Evaluation of the effects of the opioid agonist morphine on gastrointestinal tract function in horses [P Boscan et al], 992

Effects of indwelling nasogastric intubation on gastric emptying of a liquid marker in horses [AM Cruz et al], 1100

Effect of suckling isotonic or hypertonic solutions of sodium bicarbonate or glucose on abomasal emptying rate in calves [I Sen et al], 1377

Effects of food intake and food withholding on plasma ghrelin concentrations in healthy dogs [SF Bhatti et al], 1557

Physiotherapy

Effects of early intensive postoperative physiotherapy on limb function after tibial plateau leveling osteotomy in dogs with deficiency of the cranial cruciate ligament [ML Monk et al], 529

Evaluation of the anatomic effect of physical therapy exercises for mobilization of lumbar spinal nerves and the dura mater in dogs [F Brunnenfelder et al], 1773

Pigeons

Isolation and characterization of a coronavirus from pigeons with pancreatitis [DH Qian et al], 1575

Pituitary Gland

Effects of oral administration of controlled-ileal-release budesonide and assessment of pituitary-adrenocortical axis suppression in clinically normal dogs [ST Stroup et al], 1173

Effect of mitotane on pituitary corticotrophs in clinically normal dogs [T Taoda et al], 1385

Intraobserver and interobserver agreement, reproducibility, and accuracy of computed tomographic measurements of pituitary gland dimensions in healthy dogs [RH van de Vlugt-Meijer et al], 1750

Thin-slice three-dimensional gradient-echo magnetic resonance imaging of the pituitary gland in healthy dogs [RH van der Vlugt-Meijer et al], 1865

Plasminogen

Immunohistochemical staining of urokinase plasminogen activator-like and urokinase plasminogen activator receptor-like proteins in the urinary tract of healthy dogs [TR Bailey et al], 1628
Platelet-derived Growth Factor
Nucleotide structure of equine platelet-derived growth factor-A and -B and expression in horses with induced acute tendinitis [BP Donnelly et al], 2006;67:1218
Correction: 2006;67:1627
Proglycogen, macroglycogen, glucose, and glucose-6-phosphate concentrations in skeletal muscles of horses with polysaccharide storage myopathy performing light exercise [JT Bröjer et al], 1589
Effects of platelet-derived growth factor-BB on the metabolic function and morphologic features of equine tendon in explant culture [JL Haupt et al], 1595

Platelets
Detection of activated platelets in canine blood by use of flow cytometry [TB Wills et al], 56
Proglycogen, macroglycogen, glucose, and glucose-6-phosphate concentrations in skeletal muscles of horses with polysaccharide storage myopathy performing light exercise [JT Bröjer et al], 1589
Effects of platelet-derived growth factor-BB on the metabolic function and morphologic features of equine tendon in explant culture [JL Haupt et al], 1595
Use of a centrifugation-based, point-of-care device for production of canine autologous bone marrow and platelet concentrate [MS Thoensen et al], 1655

Plates
Material properties of and tissue reaction to the Slocum TPLO plate [RJ Boudrieau et al], 1258

Pneumonia
Age-dependent seroprevalence of antibodies against a Helicobacter pylori-like organism and Helicobacter pylori in commercially reared swine [JA Ellis et al], 1890

Poliglecaprone 25
Biomechanical and histologic comparison of single-layer continuous Cushing and simple continuous appositional cystotomy closure by use of poliglecaprone 25 in rats with experimentally induced inflammation of the urinary bladder [BE Hildreth III et al], 686

Polymyxin B
Endotoxin-neutralizing activity of polymyxin B in blood after IV administration in horses [PR Morressey et al], 642

Polysaccharide
Proglycogen, macroglycogen, glucose, and glucose-6-phosphate concentrations in skeletal muscles of horses with polysaccharide storage myopathy performing light exercise [JT Bröjer et al], 1589

Porcine Reproductive and Respiratory Syndrome Virus (PRRS)
Evaluation of the effects of animal age, concurrent bacterial infection, and pathogenicity of porcine reproductive and respiratory syndrome virus on virus concentration in pigs [JG Cho et al], 499

Porphyromonas spp
Evaluation of the effects of short-chain fatty acids and extracellular pH on bovine neutrophil function in vitro [SW Mills et al], 2006;67:1901
Correction: 2006;67:2035

Potassium
Effects of dexamethasone and isoﬂupredone acetate on plasma potassium concentrations and other biochemical measurements in dairy cows in early lactation [NJ Coffer et al], 1244

Prevotella spp
Evaluation of the effects of short-chain fatty acids and extracellular pH on bovine neutrophil function in vitro [SW Mills et al], 2006;67:1901
Correction: 2006;67:2035

Probiotics
Effects of Lactobacillus acidophilus DSM13241 as a probiotic in healthy adult cats [ZV Marshall-Jones et al], 1005

Procalcitonin
Expression of molecular markers in blood of neonatal foals with sepsis [N Pusterla et al], 1045

Procoagulants
Effect of fetal bovine serum and heat-inactivated fetal bovine serum on microbial cell wall-induced expression of procoagulant activity by equine and canine mononuclear cells in vitro [S Okano et al], 1020

Procollagen
Analytical, physiologic, and clinical validation of a radioimmunoassay for measurement of procollagen type III amino terminal propeptide in serum and bronchoalveolar lavage fluid obtained from dogs [S Schuller et al], 749

Progesterone
Relationship between stages of the estrous cycle and bone cell activity in Thoroughbreds [BF Jackson et al], 1527

Proglycogen
Proglycogen, macroglycogen, glucose, and glucose-6-phosphate concentrations in skeletal muscles of horses with polysaccharide storage myopathy performing light exercise [JT Bröjer et al], 1589

Proparacaine
Duration of corneal anesthesia following topical administration of 0.5% proparacaine hydrochloride solution in clinically normal cats [DR Binder et al], 1780

Propionic Acid
In vitro effects of hydrochloric acid and various concentrations of acetate, propionate, butyrate, or valeric acids on biologic properties of equine gastric squamous mucosa [FM Andrews et al], 1873

Propofol
Comparison of high (5%) and low (1%) concentrations of micellar microemulsion propofol formulations with a standard (1%) lipid emulsion in horses [P Boscan et al], 1476
Effects of carprofen on renal function during medetomidine-propofol-isoflurane anesthesia in dogs [JHM Frendin et al], 1967

Protein
Effects of phenylbutazone alone or in combination with flunixin meglumine on blood protein concentrations in horses [SK Reed et al], 2006;67:398
Letter [FK Reilly], 2006;67:747
Response [SK Reed et al], 2006;67:747
Immunologic responses against hydrolyzed soy protein in dogs with experimentally induced soy hypersensitivity [A Puigdemont et al], 484
Evaluation of assay procedures for prediction of passive transfer status in lambs [G Massimini et al], 593
Effect of exercise on activation of the p38 mitogen-activated protein kinase pathway, c-Jun NH2 terminal kinase, and heat shock protein 27 in equine skeletal muscle [MM Evan Ginneken et al], 837
Characterization of canine mitochondrial protein expression in natural and induced forms of idiopathic dilated cardiomyopathy [R Lopes et al], 963
Correlation of mitochondrial protein expression in complexes I to V with natural and induced forms of canine idiopathic dilated cardiomyopathy [R Lopes et al], 971

Effect of fetal bovine serum and heat-inactivated fetal bovine serum on microbial cell wall-induced expression of procoagulant activity by equine and canine mononuclear cells in vitro [S Okano et al], 1020

Activity of feline interferon-omega after ocular or oral administration in cats as indicated by Mx protein expression in conjunctival and white blood cells [T Bracklein et al], 1025

Serum concentrations of the third component of complement in healthy dogs and dogs with protein-losing nephropathy [MJ Aciero et al], 1105

Effect of dietary lipoic acid on metabolic hormones and acute-phase proteins during challenge with infectious bovine rhinotracheitis virus in cattle [TB Schmidt et al], 1192

Assessment of IgE binding to native and hydrolyzed soy protein in serum obtained from dogs with experimentally induced soy protein hypersensitivity [M Serra et al], 1895

Protein Kinase
Regulation by Jun N-terminal kinase/stress activated protein kinase of cytokine expression in Mycobacterium avium subsp paratuberculosis-infected bovine monocytes [CD Souza et al], 1760

Proteoglycan
Assessment of the catabolic effects of interleukin-1β on proteoglycan metabolism in equine cartilage cocultured with synoviocytes [AJ Gregg et al], 957

Effects of sodium hyaluronate and methylprednisolone acetate on proteoglycan metabolism in equine articular chondrocytes treated with interleukin-1 [AC Yates et al], 1980

Protozoa
Indirect fluorescent antibody testing of cerebrospinal fluid for diagnosis of equine protozoal myeloencephalitis [PC Duarte et al], 869

Establishment of optimal conditions for long-term culture of erythrocytic stages of Theileria uilenbergi [JPG Miranda et al], 1908

PTEN Gene
Expression of the PTEN tumor suppressor gene in malignant mammary gland tumors of dogs [Y Kanae et al], 127

Quality of Life
Validation of a structure questionnaire as an instrument to measure chronic pain in dogs on the basis of effects on health-related quality of life [ML Wiseman-Orr et al], 1826

Questionnaires
Validation of a structure questionnaire as an instrument to measure chronic pain in dogs on the basis of effects on health-related quality of life [ML Wiseman-Orr et al], 1826

Rabbits
Evaluation of acoustic wave propagation velocities in the ocular lens and vitreous tissue of pigs, dogs, and rabbits [C Görig et al], 288

Effect of meloxicam and butorphanol on minimum alveolar concentration of isoflurane in rabbits [PV Turner et al], 770

M-mode and Doppler echocardiographic reference values for male New Zealand white rabbits [APN Fontes-Sousa et al], 1725

Rabies
Results of vaccination of Asian elephants (Elephas maximus) with monovalent inactivated rabies vaccine [R Isaza et al], 1934

Racing
Association between findings on palmarodorsal radiographic images and detection of a fracture in the proximal sesamoid bones of forelimbs obtained from cadavers of racing Thoroughbreds [LA Anthenill et al], 858

Radioimmunobassay
Analytical, physiologic, and clinical validation of a radioimmunobassay for measurement of procollagen type III amino terminal propeptide in serum and bronchoalveolar lavage fluid obtained from dogs [S Schuller et al], 749

Role of cholecystokinin in the gastric motor response to a meal in horses [M Lorenzo-Figuera et al], 1998

Radiology
Effects of femur position on radiographic assessment of completeness of femoral head and neck excursion in medium-to-large-breed dogs [A Vinayak et al], 64

Comparison of mesenteric lymphadenography performed via surgical and laparoscopic approaches in dogs [BA Brisson et al], 168

Association between findings on palmarodorsal radiographic images and detection of a fracture in the proximal sesamoid bones of forelimbs obtained from cadavers of racing Thoroughbreds [LA Anthenill et al], 858

Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 877

Genetic analyses of the radiographic appearance of the distal sesamoid bones in Hanoverian Warmblood horses [KF Stock et al], 1013

Evaluation of nonunion fractures in dogs by use of B-mode ultrasonography, power Doppler ultrasonography, radiography, and histologic examination [M Risselada et al], 1354

Vascular distribution of contrast medium during intraosseous regional perfusion of the distal portion of the equine forelimb [GJ Keys et al], 1445

Comparison of digitized and conventional radiographic images for assessment of hip joint conformation in dogs [S Essman et al], 1546

Inclination of the patellar ligament in relation to flexion angle in stifle joints of dogs without degenerative joint disease [R Dennier et al], 1849

Ramipril
Effects of ramipril on renal function during progressive overpacking-induced heart failure in dogs [M Mathieu et al], 1236

Rats
Biomechanical and histologic comparison of single-layer continuous Cushing and simple continuous appositional cystotomy closure by use of poliglecaprone 25 in rats with experimentally induced inflammation of the urinary bladder [BE Hildreth III et al], 686

Receptors
Quantitative mRNA analysis of adrenergic receptor subtypes in the intestines of healthy dairy cows and dairy cows with cecal dilatation-dislocation [B Kobel et al], 1367

Recurrent Airway Obstruction
Immunohistochemical determination of the expression of endothelin receptors in bronchial smooth muscle and epithelium of healthy horses and horses affected by summer pasteure-associated obstructive pulmonary disease [S Polikepahad et al], 348

Time-dependent alterations in gene expression of interleukin-8 in the bronchial epithelium of horses with recurrent airway obstruction [DM Ainsworth et al], 669

In vitro inhibition of matrix metalloproteinase activity in tracheal epithelial lining fluid from horses with recurrent airway obstruction [SM Raulo et al], 1252
Temporal clinical exacerbation of summer pasture-associated recurrent airway obstruction and relationship with climate and aeroallergens in horses [LRR Costa et al], 1635

Effects of the bronchoalveolar lavage procedure on lung function in horses with clinical exacerbation of recurrent airway obstruction [R Léguiellette et al], 1929

Recurrent Exertional Rhabdomyolysis
Exclusion of linkage of the RYR1, CACNA1S, and ATP2A1 genes to recurrent exertional rhabdomyolysis in Thoroughbreds [PK Dranchak et al], 1395

Red Nucleus
Cytoarchitecture, morphology, and lumbosacral spinal cord projections of the red nucleus in cattle [R Chiocchetti et al], 1662

Reference Values
M-mode and Doppler echocardiographic reference values for male New Zealand white rabbits [APN Fontes-Sousa et al], 1725

Reflexes
Evaluation of administration of isoflurane at approximately the minimum alveolar concentration on depression of a nociceptive withdrawal reflex evoked by transcutaneous electrical stimulation in ponies [C Spadavecchia et al], 762

Quantitative assessment of nociceptive processes in conscious dogs by use of the nociceptive withdrawal reflex [A Bergadano et al], 882

Reflux
Influence of metoclopramide on gastroesophageal reflux in anesthetized dogs [DV Wilson et al], 28

Renal Function
Effects of carprofen on renal function during medetomidine-propofol-isoflurane anesthesia in dogs [JHM Frendin et al], 1057

Repeatability
Intraobserver and interobserver repeatability of ocular biometric measurements obtained by means of B-mode ultrasonography in dogs [SAEB Boroffka et al], 1743

Reproductive System
Expression of the PTEN tumor suppressor gene in malignant mammary gland tumors of dogs [Y Kanaei et al], 127

Evaluation of Coomassie blue staining of the acrosome of equine and canine spermatozoa [AM Brum et al], 358

Effect of intratesticular injection of lidocaine on cardiovascular responses to castration in isolurane-anesthetized stallions [HA Haga et al], 403

Effect of administration of a controlled-release monensin capsule on incidence of calving-related disorders, fertility, and milk yield in dairy cows [P Melendez et al], 537

Detection of superoxide anion generation by equine spermatozoa [K Sabour et al], 701

Assessment of antimicrobial transfer from treated to untreated mammary gland quarters by use of high-pressure liquid chromatography for detection of cloxacillin in milk samples from nonlactating dairy cows [CJ Sanford et al], 1140

Effects of ultraviolet radiation on 25-hydroxyvitamin D3 synthesis in healthy dogs and dogs with chronic cough and cytologic composition of bronchoalveolar lavage fluid obtained from dogs with chronic cough [EC Hawkins et al], 160

Immunohistochemical determination of the expression of endothelin receptors in bronchial smooth muscle and epithelium of healthy horses and horses affected by summer pasture-associated obstructive pulmonary disease [SP Polikepahad et al], 348


Time-dependent alterations in gene expression of interleukin-8 in the bronchial epithelium of horses with recurrent airway obstruction [DM Ainsworth et al], 669

Analytical, physiologic, and clinical validation of a radioimmunoassay for measurement of procollagen type III amino terminal propeptide in serum and bronchoalveolar lavage fluid obtained from dogs [S Schuller et al], 749

Effect of medetomidine on respiration and minimum alveolar concentration in halothane- and isoflurane-anesthetized dogs [P Lerche et al], 782

Evaluation of the prevalence and onset of lung lesions and their impact on growth of lambs [JA Daniel et al], 890

Use of end-tidal partial pressure of carbon dioxide to predict arterial partial pressure of carbon dioxide in horses during isoflurane-induced anesthesia [DSJ Pang et al], 1131

Effect of dietary lipic acid on metabolic hormones and acute-phase proteins during challenge with infectious bovine rhinotracheitis virus in cattle [TB Schmidt et al], 1192

In vitro inhibition of matrix metalloproteinases activity in tracheal epithelial lining fluid from horses with recurrent airway obstruction [SM Raulo et al], 1252

Transmission of bovine coronavirus and serologic responses in feedlot calves under field conditions [CJ Thomas et al], 1412

Effects of increasing infusion rates of dopamine, dobutamine, epinephrine, and phenylephrine in healthy anesthetized cats [PJ Pascoe et al], 1491

Temporal clinical exacerbation of summer pasture-associated recurrent airway obstruction and relationship with climate and aeroallergens in horses [LRR Costa et al], 1635

Cardiopulmonary effects of buprenorphine in horses [AB Carregaro et al], 1676

Pharmacokinetics of clarithromycin and concentrations in body fluids and bronchoalveolar cells of foals [AV Womble et al], 1681

Age-dependent seroprevalence of antibodies against a Helicobacter pylori-like organism and Helicobacter pylori in commercially reared swine [JA Ellis et al], 1830

Effects of the bronchoalveolar lavage procedure on lung function in horses with clinical exacerbation of recurrent airway obstruction [R Léguiellette et al], 1929

Comparison of variability in cardiorespiratory measurements following desflurane anesthesia at a multiple of the minimum alveolar concentration for each dog versus a multiple of a single predetermined minimum alveolar concentration for all dogs in a group [BH Pypendop et al], 1956

Reticulum
Effects of ergotamine and ergovaline on the electromyographic activity of smooth muscle of the reticulum and rumen of sheep [LM McLeay et al], 707

Retina
Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 877, 890

Evaluation of retinal images for identifying individual dogs [JR Gionfriddo et al], 2042

Review Articles
Ghrelin, an endogenous growth hormone secretagogue with diverse endocrine and nondendocrine effects [SF Bahtti et al], 180

Single-case experimental designs in veterinary research [RB Evans et al], 189
Genetic basis of secondary osteoarthritis in dogs with joint dysplasia [DN Clements et al], 909

Rinses
In vitro activity of an ear rinse containing tromethamine, EDTA, and benzyl alcohol on bacterial pathogens from dogs with otitis [LK Cole et al], 1040

Risk Analysis
Evaluation of the risk of motor neuron disease in horses fed a diet low in vitamin E and high in copper and iron [TJ Divers et al], 120

RNA
Assessment of the use of RNA quality metrics for the screening of articular cartilage specimens from clinically normal dogs and dogs with osteoarthritis [DN Clements et al], 1438

Rodenticides
Assessment of ruminal degradation, oral bioavailability, and toxic effects of anticoagulant rodenticides in sheep [PJ Berny et al], 363

Rumen
Assessment of ruminal degradation, oral bioavailability, and toxic effects of anticoagulant rodenticides in sheep [PJ Berny et al], 363
Effects of ergotamine and ergovaline on the electromyographic activity of smooth muscle of the reticulum and rumen of sheep [LM McLeay et al], 707

Ryr1
Exclusion of linkage of the Ryr1, Cacna1s, and ATP2a1 genes to recurrent exertional rhabdomyolysis in Thoroughbreds [PK Dranchak et al], 1395

Safety
Safety of reduced-dosage ketoprofen for long-term oral administration in healthy dogs [T Narita et al], 1115

Salmonella spp
Prevalence of exposure to Salmonella spp in finishing swine marketed in Iowa [AM O’Connor et al], 829
Prevalence and antimicrobial resistance patterns of Salmonella enterica in preweaned calves from dairies and calf ranches [DH Qian et al], 1580

Sampling
Use of a simulation model to evaluate sampling strategies for characterization of antimicrobial resistance in non-type-specific Escherichia coli isolated from dairy cows [A Villarreal et al], 951

Sarcoma
Phase I trial and pharmacokinetic analysis of ifosfamide in cats with sarcomas [KM Rassnick et al], 510
Results of phase II clinical trial on the use of ifosfamide for treatment of cats with vaccine-associated sarcomas [KM Rassnick et al], 517
Evaluation of dysregulation of the receptor tyrosine kinases Kit, Flt3, and Met in histiocytic sarcomas in dogs [R Zavadovskaya et al], 633
Somatic alterations of the p53 tumor suppressor gene in vaccine-associated feline sarcoma [N Banerji et al], 1766

Scintigraphy
Evaluation of delayed-image bone scintigraphy to assess bone formation after distraction osteogenesis in dogs [LF Theyse et al], 790
Effect of four sedative and anesthetic protocols on quantitative thyroid scintigraphy in euthyroid cats [IA Schafferma et al], 1362

Scrapie
Association between incubation time and genotype in sheep experimentally inoculated with scrapie-positive brain homogenate [MS Bulgin et al], 498

Screws
Effect of diameter of the drill hole on torque of screw insertion and pushout strength for headless tapered compression screws in simulated fractures of the lateral condyle of the equine third metacarpal bone [RS Carpenter et al], 895

Seals
Use of end-tidal partial pressure of carbon dioxide to predict arterial partial pressure of carbon dioxide in harp seals during isoflurane-induced anesthesia [DSJ Pang et al], 1131

Sepsis
Expression of molecular markers in blood of neonatal foals with sepsis [N Pusterla et al], 1045

Septicemia
Associations among Listeria monocytogenes genotypes and distinct clinical manifestations of listeriosis in cattle [MA Pohl et al], 616

Serology
Serologic evidence of vesivirus-specific antibodies associated with abortion in horses [A Kurth et al], 2006;67:1033
Correction: 2006;67:1265
Comparison of an indirect immunofluorescence assay, western blot analysis, and a commercially available ELISA for detection of Ehrlichia canis antibodies in canine sera [TP O’Connor et al], 206
Prevalence of exposure to Salmonella spp in finishing swine marketed in Iowa [AM O’Connor et al], 829
Transmission of bovine coronavirus and serologic responses in feedlot calves under field conditions [CJ Thomas et al], 1412

Sesamoid Bones
Association between findings on palmarodorsal radiographic images and detection of a fracture in the proximal sesamoid bones of forelimbs obtained from cadavers of racing Thoroughbreds [LA Anthenill et al], 858
Genetic analyses of the radiographic appearance of the distal sesamoid bones in Hanoverian Warmblood horses [KF Stock et al], 1013

Sevoflurane
Median effective dose of isoflurane, sevoflurane, and desflurane in green iguanas [LS Barter et al], 392
Evaluation of isoflurane and sevoflurane vaporizers over a wide range of oxygen flow rates [TD Ambrisko et al], 936
Pharmacokinetics of inhaled anesthetics in green iguanas (Iguana iguana), 1670
Influence of halothane, isoflurane, and sevoflurane on gastro-esophageal reflux during anesthesia in dogs [DV Wilson et al], 1821

Sharks
Differences in hematocrit of blood samples obtained from two venipuncture sites in sharks [ND Mylniczenko et al], 1861

Shock Waves
Histomorphologic evaluation of extracorporeal shock wave therapy of the fourth metatarsal bone and the origin of the suspensory ligament in horses without lameness [S Bischofberger et al], 577

Silicone
Evaluation of manufacturing variability, diffusion of filling solutions, and long-term maintenance of occlusion in silicone hydraulic occluders [CW Sereda et al], 1453
Evaluation of a covered-rod silicone implant containing iver-

**Single-Case Designs**

Single-case experimental designs in veterinary research [RB Evans et al], 189

**Skeletal Muscle**

Effect of exercise on activation of the p38 mitogen-activated protein kinase pathway, c-Jun NH2 terminal kinase, and heat shock protein 27 in equine skeletal muscle [MM Evan Ginneken et al], 837

**Skin**

Genotypic relatedness of staphylococcal strains isolated from pustules and carriage sites in dogs with superficial bacterial folliculitis [LR Pinchebeck et al], 1337

In vitro analysis of nonthermal plasma as a disinfecting agent [AE Watts et al], 2030

Detection of novel papillomaviruslike sequences in paraffin-embedded specimens of invasive and in situ squamous cell carcinomas from cats [G Nesperca et al], 2036

**Slocum**

Material properties of and tissue reaction to the Slocum TPLO plate [RJ Boudrieau et al], 1258

**Smooth Muscle**

Immunohistochemical determination of the expression of endothelin receptors in bronchial smooth muscle and epithelium of healthy horses and horses affected by summer pasture-associated obstructive pulmonary disease [S Polikepahad et al], 348

Effects of ergotamine and ergovaline on the electromyographic activity of smooth muscle of the recticulum and rumen of sheep [LM McLeay et al], 707

mRNA expression and binding sites for α,β-adrenergic receptor subtypes in muscle layers of the ileum and spiral colon of dairy cows [EC Ontsouka et al], 1883

**Sodium Bicarbonate**

Effect of suckling isotonic or hypertonic solutions of sodium bicarbonate or glucose on abomasal emptying rate in calves [I Sen et al], 1377

**Soy**

Immunologic responses against hydrolyzed soy protein in dogs with experimentally induced soy hypersensitivity [A Puigdemont et al], 484

Assessment of IgE binding to native and hydrolyzed soy protein in serum obtained from dogs with experimentally induced soy protein hypersensitivity [M Serra et al], 1895

**Soybean**

In vivo measurement of flatulence and nutrient digestibility in dogs fed poultry by-product meal, conventional soybean meal, and low-oligosaccharide low-phytate soybean meal [RM Yamka et al], 88

**Spain**


**Spavin**

Use of intra-articular administration of ethyl alcohol for arthrodesis of the tarsometatarsal joint in healthy horses [RW Shoemaker et al], 850

**Spectroscopy**

Use of infrared spectroscopy for diagnosis of traumatic arthritis in horses [M Vjarnsorn et al], 1286

Spermatozoa

Evaluation of Coomassie blue staining of the acrosome of equine and canine spermatozoa [AM Brum et al], 358

Detection of superoxide anion generation by equine spermatozoa [K Sabeur et al], 701

**Spinal Cord**

Matrix metalloproteinase-9 activity in the cerebrospinal fluid and serum of dogs with acute spinal cord trauma from intervertebral disk disease [JM Levine et al], 283

Cytoarchitecture, morphology, and lumbosacral spinal cord projections of the red nucleus in cattle [R Chiocchetti et al], 1662

**Spinal Nerves**

Evaluation of the anatomic effect of physical therapy exercises for mobilization of lumbar spinal nerves and the dura mater in dogs [FI Gruenenfelder et al], 1773

**Spondylomyelopathy**

Morphologic and morphometric magnetic resonance imaging features of Doberman Pinschers with and without clinical signs of cervical spondylomyelopathy [RC da Costa et al], 1601

Correlation of motor evoked potentials with magnetic resonance imaging and neurologic findings in Doberman Pinschers with and without signs of cervical spondylomyelopathy [RC da Costa et al], 1613

**Sponges**

Gentamicin concentrations in synovial fluid obtained from the tarsocreal joints of horses after implantation of gentamicin-impregnated collagen sponges [KM Ivester et al], 1519

**Squamous Cell Carcinoma**

Detection of novel papillomaviruslike sequences in paraffin-embedded specimens of invasive and in situ squamous cell carcinomas from cats [G Nesperca et al], 2036

**Stains**

Evaluation of Coomassie blue staining of the acrosome of equine and canine spermatozoa [AM Brum et al], 358

Staphylococcus spp

Genetic diversity and antimicrobial susceptibility profiles among mastitis-causing *Staphylococcus aureus* isolated from bovine milk samples [KL Anderson et al], 1185

Genotypic relatedness of staphylococcal strains isolated from pustules and carriage sites in dogs with superficial bacterial folliculitis [LR Pinchebeck et al], 1337

Clinical, microbiological, and molecular characterization of methicillin-resistant *Staphylococcus aureus* infections of cats [DO Morris et al], 1421

In vitro analysis of nonthermal plasma as a disinfecting agent [AE Watts et al], 2030

**Stem Cells**

Evaluation of permissiveness and cytotoxic effects in equine chondrocytes, synovial cells, and stem cells in response to infection with adenovirus 5 vectors for gene delivery [A Ishihara et al], 1145

Expression of neural markers on bone marrow-derived canine mesenchymal stem cells [H Kamishina et al], 1921

**Stifle Joint**

Serum and synovial fluid concentrations of keratan sulfate and hyaluronan in dogs with induced stifle joint osteoarthritis following cranial cruciate ligament transection [SC Budsberg et al], 429

Inclination of the patellar ligament in relation to flexion angle in stifle joints of dogs without degenerative joint disease [R Dennier et al], 1849

---

AJVR, Vol 67, No. 1–12, January–December, 2006

Index 55
Stomach
Measurement of urinary 11-dehydro-thromboxane B₂ excretion in dogs with gastric dilation-volvulus [WI Baltzer et al], 78
Oral administration of sucrose solutions and measurement of serum sucrose concentrations to evaluate gastric permeability in adult bottlenose dolphins (Tursiops truncatus) [KK Buddington et al], 931
Effects of indwelling nasogastric intubation on gastric emptying of a liquid marker in horses [AM Cruz et al], 1100
Effect of short-term sequential administration of nonsteroidal anti-inflammatory drugs on the stomach and proximal portion of the duodenum in healthy dogs [KL Dowers et al], 1794
Influence of halothane, isoflurane, and sevoflurane on gastroesophageal reflux during anesthesia in dogs [DV Wilson et al], 1821
In vitro effects of hydrochloric acid and various concentrations of acetic, propionic, butyric, or valeric acids on bioelectronic properties of equine gastric squamous mucosa [FM Andrews et al], 1873

Strangulation
Effect of intraluminal distension or ischemic strangulation obstruction on the equine jejunal motilin receptors and binding of erythromycin lactobionate [JB Koenig et al], 815

Stratum Internum
Evaluation of changes in architecture of the stratum internum of the hoof wall from fetal, newborn, and yearling horses [LA Bidwell et al], 1947

Streptomycin
Evaluation of a model for Escherichia coli O157:H7 colonization in streptomycin-treated adult cattle [TA Snider et al], 1914

Stress
Changes in heart rate and heart rate variability in Thoroughbreds during prolonged road transportation [H Ohmura et al], 455
Evaluation of the effects of stress in cats with idiopathic cystitis [JL Westropp et al], 731

Subarachnoid Administration
Analgesic effects of subarachnoidally administered hyperbaric opioids in horses [CC Natalini et al], 941

Sucrose
Oral administration of sucrose solutions and measurement of serum sucrose concentrations to evaluate gastric permeability in adult bottlenose dolphins (Tursiops truncatus) [KK Buddington et al], 931

Sulfadiazine
In vitro fungistatic and fungicidal activities of silver sulfadiazine and natamycin on pathogenic fungi isolated from horses with keratomycosis [CM Betbeze et al], 1788

Superficial Digital Flexor
Influence of electrode placement on effective field strength in the superficial digital flexor tendon of horses [Y Lin et al], 845

Superoxide
Detection of superoxide anion generation by equine spermatozoa [K Sabeur et al], 701

Supraspinal Nerves
Gait abnormalities caused by selective anesthesia of the supraspinal nerve in horses [DV Devine et al], 834

Surgery
Measurement of urinary 11-dehydro-thromboxane B₂ excretion in dogs with gastric dilation-volvulus [WI Baltzer et al], 78
Comparison of mesenteric lymphadenography performed via surgical and laparoscopic approaches in dogs [BA Brisson et al], 168
Use of a jugular vein graft in a modified Blalock-Taussig procedure in dogs [A Pelosi et al], 174
Effects of preoperative epidural administration of racemic ketamine for analgesia in sheep undergoing surgery [AGP Guedes et al], 222
Comparison of laparoscopic-guided abomasopexy versus omentopexy via right flank laparotomy for the treatment of left abomasal displacement in dairy cows [T Seeger et al], 472
Biomechanical and histologic comparison of single-layer continuous Cushing and simple continuous appositional cystotomy closure by use of poliglecaprone 25 in rats with experimentally induced inflammation of the urinary bladder [BE Hildreth III et al], 686
Effects of ketamine, diazepam, and their combination on intraocular pressures in clinically normal dogs [EH Hofmeister et al], 1136
In vitro analysis of nonthermal plasma as a disinfecting agent [AE Watts et al], 2030

Surveys
Validation of a structure questionnaire as an instrument to measure chronic pain in dogs on the basis of effects on health related-quality of life [ML Wiseman-Orr et al], 1826

Suspensory Ligament
Histomorphologic evaluation of extracorporeal shock wave therapy of the fourth metatarsal bone and the origin of the suspensory ligament in horses without lameness [S Bischofberger et al], 577

Suture
Biomechanical and histologic comparison of single-layer continuous Cushing and simple continuous appositional cystotomy closure by use of poliglecaprone 25 in rats with experimentally induced inflammation of the urinary bladder [BE Hildreth III et al], 686

Sweeny
Gait abnormalities caused by selective anesthesia of the supraspinal nerve in horses [DV Devine et al], 834

Synovial Fluid
Gentamicin concentrations in synovial fluid and joint tissues during intravenous administration or continuous intra-articular infusion of the tarsocrural joint of clinically normal horses [TB Lescon et al], 409
Serum and synovial fluid concentrations of keratan sulfate and hyaluronan in dogs with induced stifle joint osteoarthritis following cranial cruciate ligament transection [SC Budsberg et al], 429
Gentamicin concentrations in synovial fluid obtained from the tarsocrural joints of horses after implantation of gentamicin-impregnated collagen sponges [KM Iwester et al], 1519
Concentrations of serum amyloid A in serum and synovial fluid from healthy horses and horses with joint disease [S Jacobsen et al], 1738

Synoviocytes
Assessment of the catabolic effects of interleukin-1β on proteoglycan metabolism in equine cartilage cocultured with synoviocytes [AJ Gregg et al], 957

Synovium
Evaluation of permissiveness and cytotoxic effects in equine chondrocytes, synovial cells, and stem cells in response to infection with adenovirus 5 vectors for gene delivery [AI Ishihara et al], 1145
Tarsocrural Joint
Gentamicin concentrations in synovial fluid and joint tissues during intravenous administration or continuous intra-articular infusion of the tarsocural joint of clinically normal horses [TB Lescun et al], 409
Gentamicin concentrations in synovial fluid obtained from the tarsocural joints of horses after implantation of gentamicin-impregnated collagen sponges [KM Ivester et al], 1519

Theriogenology
Effect of administration of a controlled-release monensin capsule on incidence of calving-related disorders, fertility, and milk yield in dairy cows [P Melendez et al], 537
Classification of Actinobacillus spp isolates from horses involved in mare reproductive loss syndrome [JM Donohue et al], 1426
Relationship between stages of the estrous cycle and bone cell activity in Thoroughbreds [BF Jackson et al], 1527

Thermal Energy
Effects of thermal energy on chondrocyte viability [JR Voss et al], 1708

Thermal Injury
Comparison of techniques for determination of chondrocyte viability after thermal injury [B Rauch et al], 1280

Thermal Threshold
Effects of intravenous administration of lidocaine on the thermal threshold in cats [BH Pypendop et al], 16

Therapeutic Vaccines
Comparison of the biological activity of recombinant human thyrotropin with bovine thyroid-stimulating hormone in healthy dogs [DL Panciera et al], 599
 Comparison of ultrasonographic characteristics of the thyroid gland in healthy small-, medium-, and large-breed dogs [C Brömel et al], 70
Use of helical computed tomography for measurement of thyroid gland in clinically normal cats [WT Drost et al], 467
Detection of autoantibodies against thyroid peroxidase in serum samples of hypothyroid dogs [E Skopek et al], 809
Exclusion of linkage of the RYR1, CACNA1S, and ATP2A1 genes to recurrent exertional rhabdomyolysis in thoroughbreds [PK Dranchak et al], 1395
Relationship between stages of the estrous cycle and bone cell activity in Thoroughbreds [BF Jackson et al], 1527

Thromboxane B2
Measurement of urinary 11-dehydro-thromboxane B2 excretion in dogs with gastric dilatation-volvulus [WI Baltzer et al], 78

Thyroid Gland
Comparison of ultrasonographic characteristics of the thyroid gland in healthy small-, medium-, and large-breed dogs [C Brömel et al], 70
Use of helical computed tomography for measurement of thyroid gland in clinically normal cats [WT Drost et al], 467
Detection of autoantibodies against thyroid peroxidase in serum samples of hypothyroid dogs [E Skopek et al], 809
Exclusion of four sedative and anesthetic protocols on quantitative thyroid scintigraphy in euthyroid cats [IA Schaafsma et al], 1362

Thyroid-Stimulating Hormone
Effects of deracoxib and aspirin on serum concentrations of thyroxine, 3,5,3′-triiodothyronine, free thyroxine, and thyroid-stimulating hormone in healthy dogs [DL Panciera et al], 599
Comparison of the biological activity of recombinant human thyroid-stimulating hormone with bovine thyroid-stimulating hormone and evaluation of recombinant human thyroid-stimulating hormone in healthy dogs of different breeds [FS Boretti et al], 1169
Evaluation of recombinant human thyroid-stimulating hormone to test thyroid function in dogs suspected of having hypothyroidism [FS Boretti et al], 2012

Thyroxine
Measurement of total thyroxine concentration in serum from dogs and cats by use of various methods [RJ Kemppainen et al], 259
Effects of deracoxib and aspirin on serum concentrations of thyroxine, 3,5,3′-triiodothyronine, free thyroxine, and thyroid-stimulating hormone in healthy dogs [DL Panciera et al], 599
Comparison of the biological activity of recombinant human thy-
Tibia
In vitro mechanical evaluation of torsional loading in simulated canine tibiae for a novel hourglass-shaped interlocking nail with a self-tapping tapered locking design [LM Dejardin et al], 678
In vitro evaluation of five canine tibial plateau leveling methods [BE Hildreth III et al], 693
Cartilage-derived biomarkers and lipid mediators of inflammation in horses with osteochondritis dissecans of the distal intermediate ridge of the tibia [JC de Graauw et al], 1156
Material properties of and tissue reaction to the Slocum TPLO plate [RJ Boudrieau et al], 1258
Angle between the patellar ligament and tibial plateau in dogs with partial rupture of the cranial cruciate ligament [CS Schwandt et al], 1855

Tibial Plateau
In vitro evaluation of five canine tibial plateau leveling methods [BE Hildreth III et al], 693
Angle between the patellar ligament and tibial plateau in dogs with partial rupture of the cranial cruciate ligament [CS Schwandt et al], 1855

Tissue Factor
Effect of fetal bovine serum and heat-inactivated fetal bovine serum on microbial cell wall-induced expression of procoagulant activity by equine and canine mononuclear cells in vitro [S Okano et al], 1020

Töt
Locomotor mechanics of the töit in Icelandic horses [AR Biknevicius et al], 1505

Tonometers
Comparison of the use of new handheld tonometers and established applanation tonometers in dogs [C Görg et al], 134

Torque
Effect of diameter of the drill hole on torque of screw insertion and pushout strength for headless tapered compression screws in simulated fractures of the lateral condyle of the equine third metacarpal bone [RS Carpenter et al], 895

Torsional Loading
In vitro mechanical evaluation of torsional loading in simulated canine tibiae for a novel hourglass-shaped interlocking nail with a self-tapping tapered locking design [LM Dejardin et al], 678

Total Intravenous Anesthesia
Effects of an alveolar recruitment maneuver on cardiovascular and respiratory parameters during total intravenous anesthesia in ponies [D Wettstein et al], 152

Toxicology
Assessment of ruminal degradation, oral bioavailability, and toxic effects of anticoagulant rodenticides in sheep [PJ Berny et al], 363
Effects of ergotamine and ergovaline on the electromyographic activity of smooth muscle of the reticulum and rumen of sheep [LM McLeay et al], 707

Transcutaneous Electrical Stimulation
Evaluation of administration of isoflurane at approximately the minimum alveolar concentration on depression of a nocicep-
tive withdrawal reflex evoked by transcutaneous electrical stimulation in ponies [C Spadavecchia et al], 762

Transforming Growth Factor
Expression of molecular markers in blood of neonatal foals with sepsis [N Pusterla et al], 1045

Transit Time
Evaluation of association between body size and intestinal transit time in healthy dogs [DC Hernot et al], 342

Transmissible Spongiform Encephalopathies (TSEs)
Association between incubation time and genotype in sheep experimentally inoculated with scrapie-positive brain homogenate [MS Bulgin et al], 498

Transportation
Changes in heart rate and heart rate variability in Thoroughbreds during prolonged road transportation [H Ohmura et al], 455

Triiodothyronine
Effects of deracoxib and aspirin on serum concentrations of thyroxine, 3,5,3'-triiodothyronine, free thyroxine, and thyroid-stimulating hormone in healthy dogs [DL Panciera et al], 599
Comparison of the biological activity of recombinant human thyroid-stimulating hormone with bovine thyroid-stimulating hor-
one and evaluation of recombinant human thyroid-stimulat-
ing hormone in healthy dogs of different breeds [FS Boretti et al], 1169

Tromethamine
In vitro activity of an ear rinse containing tromethamine, EDTA, and benzyl alcohol on bacterial pathogens from dogs with otitis [LK Cole et al], 1040

Trotting
Effect of trotting velocity on work patterns of the hind limbs of Greyhounds [GR Colborne et al], 1293

Tumor Necrosis Factor
Expression of molecular markers in blood of neonatal foals with sepsis [N Pusterla et al], 1045
Comparison analysis of cytokine gene expression in cerebrospinal fluid of horses without neurologic signs or with selected neurologic disorders [N Pusterla et al], 1433

Turtles
Sectional anatomic and magnetic resonance imaging features of coelomic structures of loggerhead sea turtles [ALS Valente et al], 1347
Effects of ultraviolet radiation on 25-hydroxyvitamin D3 synthesis in red-eared slider turtles (Trachemys scripta elegans) [MJ Acierno et al], 2046

Tyrosine Kinase
Evaluation of dysregulation of the receptor tyrosine kinases Kit, Flt3, and Met in histiocytic sarcomas in dogs [R Zavodovskaya et al], 633

U
Ulcers
Effect of short-term sequential administration of nonsteroidal anti-inflammatory drugs on the stomach and proximal portion of the duodenum in healthy dogs [KL Dowers et al], 1794

Ultrasonography
Quantitative assessment of velocities of the annulus of the left atrioventricular valve and left ventricular free wall in healthy cats by use of two-dimensional color tissue Doppler imaging [V Chetboul et al], 2006;67:250
Correction, 2006;67:290
Comparison of ultrasonographic characteristics of the thyroid
Evaluation of the urodynamic and hemodynamic effects of orally administered phenylpropanolamine and ephedrine in female dogs [F Carofiglio et al], 723

Urinary System: Measurement of urinary glycosaminoglycans in dogs [DC Grant et al], 51 Biomechanical and histologic comparison of single-layer continuous Cushing and simple continuous appositional cystotomy closure by use of poliglecaprone 25 in rats with experimentally induced inflammation of the urinary bladder [BE Hildreth III et al], 686 Effects of administration of fluids and diuretics on glomerular filtration rate, renal blood flow, and urine output in healthy awake cats [JM McClellan et al], 715 Evaluation of the urodynamic and hemodynamic effects of orally administered phenylpropanolamine and ephedrine in female dogs [F Carofiglio et al], 723 Evaluation of the effects of stress in cats with idiopathic cystitis [JL Westropp et al], 731 Urodynamic and morphologic changes in the lower portion of the urogenital tract after administration of estriol alone and in combination with phenylpropanolamine in sexually intact and spayed female dogs [AJ Hamaide et al], 901 Serum concentrations of the third component of complement in healthy dogs and dogs with protein-losing nephropathy [MJ Aciero et al], 1105 Effects of ramipril on renal function during progressive overpacking-induced heart failure in dogs [M Mathieu et al], 1236 Elimination behavior patterns of domestic cats (Felis catus) with and without elimination behavior problems [W Sung et al], 1500 Immunohistochemical staining of urokinase plasminogen activator-like and urokinase plasminogen activator receptor-like proteins in the urinary tract of healthy dogs [TR Bailey et al], 1628

Urination: Elimination behavior patterns of domestic cats (Felis catus) with and without elimination behavior problems [W Sung et al], 1500

Urine: Concentrations of 15F/d2t/D isoprostane in urine of dogs with intervertebral disk disease [MA McMichael et al], 1226

Urodynamics: Evaluation of the urodynamic and hemodynamic effects of orally administered phenylpropanolamine and ephedrine in female dogs [F Carofiglio et al], 723 Urodynamic and morphologic changes in the lower portion of the urogenital tract after administration of estriol alone and in combination with phenylpropanolamine in sexually intact and spayed female dogs [AJ Hamaide et al], 901

Urokinase: Immunohistochemical staining of urokinase plasminogen activator-like and urokinase plasminogen activator receptor-like proteins in the urinary tract of healthy dogs [TR Bailey et al], 1628

Urodynamic and morphologic changes in the lower portion of the urogenital tract after administration of estriol alone and in combination with phenylpropanolamine and ephedrine in female dogs [F Carofiglio et al], 723 Evaluation of nonunion fractures in dogs by use of B-mode ultrasonography, power Doppler ultrasonography, radiography, and histologic examination [M Risselada et al], 1354 Intraobserver and interobserver repeatability of ocular biometric measurements obtained by means of B-mode ultrasonography in dogs [SAEB Boroffka et al], 1743

Ultraviolet Radiation: Effects of ultraviolet radiation on 25-hydroxyvitamin D3 synthesis in red-eared slider turtles (Trachemys scripta elegans) [MJ Aciero et al], 2046

Urethra: Evaluation of the urodynamic and hemodynamic effects of orally administered phenylpropanolamine and ephedrine in female dogs [F Carofiglio et al], 723

Urination: Elimination behavior patterns of domestic cats (Felis catus) with and without elimination behavior problems [W Sung et al], 1500

Urine: Concentrations of 15F/d2t/D isoprostane in urine of dogs with intervertebral disk disease [MA McMichael et al], 1226

Urodynamic and morphologic changes in the lower portion of the urogenital tract after administration of estriol alone and in combination with phenylpropanolamine in sexually intact and spayed female dogs [AJ Hamaide et al], 901

Urokinase: Immunohistochemical staining of urokinase plasminogen activator-like and urokinase plasminogen activator receptor-like proteins in the urinary tract of healthy dogs [TR Bailey et al], 1628

Uruguay: Identification of case clusters and counties with high infective connectivity in the 2001 epidemic of foot-and-mouth disease in Uruguay [G Chowell et al], 102

Vaccine-associated Sarcomas: Results of phase II clinical trial on the use of ifosamide for treatment of cats with vaccine-associated sarcomas [KM Rassnick et al], 517 Somatic alterations of the p53 tumor suppressor gene in vaccine-associated feline sarcoma [N Banerji et al], 1766

Vaccinology: Induction of antigen-specific T-cell subset activation to bovine respiratory disease viruses by a modified-live virus vaccine [R Platt et al], 1179 Parenteral vaccination of domestic pigs with Brucella abortus strain RB51 [WC Stoffregen et al], 1802 Results of vaccination of Asian elephants (Elephas maximus) with monovalent inactivated rabies vaccine [R Isaza et al], 1934 Monitoring responses by use of five-color flow cytometry in subsets of peripheral T cells obtained from cattle inoculated with a killed Mycobacterium avium subsp paratuberculosis vaccine [R Platt et al], 2050

Vagus: Effect of adrenalectomy on cholecystokinin-8-induced Fos-like immunoreactivity in myenteric neurons and the dorsal vagal complex in rats [SJ Raboin et al], 1552

Valeric Acid: In vitro effects of hydrochloric acid and various concentrations of acetic, propionic, butyric, or valeric acids on bioelectronic properties of equine gastric squamous mucosa [FM Andrews et al], 1873

Valves: Correlation between activation of the sympathetic nervous system estimated by plasma concentrations of norepinephrine and Doppler echocardiographic variables in dogs with acquired heart disease [MM Santos et al], 1163

Vancomycin: Evaluation of safety and pharmacokinetics of vancomycin after intraosseous regional limb perfusion and comparison of results with those obtained after intravenous regional limb perfusion in horses [LM Rubio-Martinez et al], 1701

Vaporizers: Evaluation of isoflurane and sevoflurane vaporizers over a wide range of oxygen flow rates [TD Ambrisko et al], 936

Variability: Evaluation of manufacturing variability, diffusion of filling solutions, and long-term maintenance of occlusion in silicone hydraulic occluders [CW Sereda et al], 1453

Vasodilation: Use of flow-mediated vasodilation technique to assess endothelial function in dogs [GD Puglia et al], 1533
Vasopressin
Effects of dobutamine, norepinephrine, and vasopressin on cardiovascular function in anesthetized neonatal foals with induced hypotension [A Valverde et al], 1730

Vectors
Evaluation of permissiveness and cytotoxic effects in equine chondrocytes, synovial cells, and stem cells in response to infection with adenovirus 5 vectors for gene delivery [A Ishihara et al], 1145

Velocity
Effect of trotting velocity on work patterns of the hind limbs of Greyhounds [GR Colborne et al], 1293

Venous Pressure
Evaluation of peripheral and central venous pressure in awake dogs and cats [RS Chow et al], 1987

Ventricle
Quantitative assessment of velocities of the annulus of the left atrioventricular valve and left ventricular free wall in healthy cats by use of two-dimensional color tissue Doppler imaging [V Chetboul et al], 2006;67:250
Correction, 2006;67:488

Vertebral Column
Effects of anatomic conformation on three-dimensional motion of the caudal lumbar and lumbosacral portions of the vertebral column of dogs [MI Benninger et al], 43
Concentrations of 15F/d2t/D isoprostane in urine of dogs with intervertebral disk disease [MA McMichael et al], 1226
Morphologic and morphometric magnetic resonance imaging features of Doberman Pinschers with and without clinical signs of cervical spondylomyelopathy [RC da Costa et al], 1601
Correlation of motor evoked potentials with magnetic resonance imaging and neurologic findings in Doberman Pinschers with and without signs of cervical spondylomyelopathy [RC da Costa et al], 1613
Evaluation of the anatomic effect of physical therapy exercises for mobilization of lumbar spinal nerves and the dura mater in dogs [FI Gruenenfelder et al], 1773
Effect of width of disk fenestration and a ventral slot on biomechanics of the canine C5-C6 vertebral motion unit [AE Fauber et al], 1844

Vesivirus
Serologic evidence of vesivirus-specific antibodies associated with abortion in horses [A Kurth et al], 2006;67:1033
Correction: 2006;67:1265
Prevalence of vesivirus in a laboratory-based set of serum samples obtained from dairy and beef cattle [A Kurth et al], 114

Virology
Antemortem detection of latent infection with neuropathogenic strains of equine herpesvirus-1 in horses [GP Allen et al], 2006;67:1401
Letter [FR Reilly], 2006;67:1820
Serologic evidence of vesivirus-specific antibodies associated with abortion in horses [A Kurth et al], 2006;67:1033
Correction: 2006;67:1265
Identification of case clusters and counties with high infective connectivity in the 2001 epidemic of foot-and-mouth disease in Uruguay [G Chowell et al], 102
Prevalence of vesivirus in a laboratory-based set of serum samples obtained from dairy and beef cattle [A Kurth et al], 114

Evaluation of the effects of animal age, concurrent bacterial infection, and pathogenicity of porcine reproductive and respiratory syndrome virus on virus concentration in pigs [JG Cho et al], 489
Analysis of genetic mutations in the 7a7b open reading frame of coronavirus of cheetahs (Acinonyx jubatus) [MA Kennedy et al], 627
Evaluation of permissiveness and cytotoxic effects in equine chondrocytes, synovial cells, and stem cells in response to infection with adenovirus 5 vectors for gene delivery [A Ishihara et al], 1145
Induction of antigen-specific T-cell subset activation to bovine respiratory disease viruses by a modified-live virus vaccine [R Platt et al], 1179
Effect of dietary lipoic acid on metabolic hormones and acute-phase proteins during challenge with infectious bovine rhinotracheitis virus in cattle [TB Schmidt et al], 1192
Effects of human recombinant alpha-2b interferon and feline recombinant omega interferon on in vitro replication of feline herpesvirus-1 [N Siebeck et al], 1406
Transmission of bovine coronavirus and serologic responses in feedlot calves under field conditions [CJ Thomas et al], 1412
Isolation and characterization of a coronavirus from pigeons with pancreatitis [DH Qian et al], 1575
Results of vaccination of Asian elephants (Elephas maximus) with monovalent inactivated rabies vaccine [R Isaza et al], 1934
Modeled detection time for surveillance for foot-and-mouth disease virus in bulk tank milk [MC Thurmond et al], 2017
Detection of novel papillomaviruslike sequences in paraffin-embedded specimens of invasive and in situ squamous cell carcinomas from cats [G Nespeca et al], 2036

Vitamin D
Effects of ultraviolet radiation on 25-hydroxyvitamin D3 synthesis in red-eared slider turtles (Trachemys scripta elegans) [MJ Acierno et al], 2046

Vitamin E
Evaluation of the risk of motor neuron disease in horses fed a diet low in vitamin E and high in copper and iron [TJ Divers et al], 120

Vitreous Humor
Evaluation of acoustic wave propagation velocities in the ocular lens and vitreous tissue of pigs, dogs, and rabbits [C Görig et al], 288

Volatile Fatty Acids
In vitro effects of hydrochloric acid and various concentrations of acetic, propionic, butyric, or valeric acids on bi-electronic properties of equine gastric squamous mucosa [FM Andrews et al], 1873

von Willebrand Disease
Development of a collagen-binding activity assay as a screening test for type II von Willebrand disease in dogs [EP Sabino et al], 242

Voriconazole
Evaluation of concentration of voriconazole in aqueous humor after topical and oral administration in horses [AB Clode et al], 296
Pharmacokinetics of voriconazole after oral and intravenous administration to horses [JL Davis et al], 1070

Walkway
Evaluation of a pressure walkway system for measurement of vertical limb forces in clinically normal dogs [BDX Lascelles et al], 277
Warfarin
Assessment of ruminal degradation, oral bioavailability, and toxic effects of anticoagulant rodenticides in sheep [PJ Berny et al], 363

Western Blot Analysis
Evaluation of a comparative pathogenesis between cancer-associated retinopathy in humans and sudden acquired retinal degeneration syndrome in dogs via diagnostic imaging and western blot analysis [MA Gilmour et al], 877, 890

Wildlife
Evaluation of historical factors influencing the occurrence and distribution of Mycobacterium bovis infection among wildlife in Michigan [R Miller et al], 604

Withdrawal Reflex
Quantitative assessment of nociceptive processes in conscious dogs by use of the nociceptive withdrawal reflect [A Bergadano et al], 882

Zone of Inhibition
Epidemiologic cutoff values for antimicrobial agents against Aeromonas salmonicida isolates determined by frequency distributions of minimal inhibitory concentration and diameter of zone of inhibition data [RA Miller et al], 1837

Zoonoses
Clinical, microbiological, and molecular characterization of methicillin-resistant Staphylococcus aureus infections of cats [DO Morris et al], 1421