

- 1519 General Anesthesia in Geriatric Dogs with Propofol-Isoflurane, Propofol- Sevoflurane, Alphaxalone-Isoflurane, Alphaxalone-Sevoflurane and Their Comparison of Biochemical, Hemodynamic and Cardiopulmonary Effects**
Zeynep Bilgen Şen & Nuh Kılıç
- 1520 Retrospective Study of Adverse Events of Chemotherapy in Cats**
Simone Carvalho dos Santos Cunha, Franciele Basso Silva, Katia Barão Corgozinho, Kássia Valéria Gomes Coelho da Silva & Ana Maria Reis Ferreira
- 1521 Assessment of the Bilateral Block of the Trunk of the Pudendal Nerve in Cats with Urethral Obstruction**
Kath Freire de Vasconcelos, Raquel Guedes Ximenes, Francisco Sávio de Moura Martins, Aline de Sousa Alves, Sabrina Barros Araújo, Jéssica Kária de Andrade, José Rômulo Soares dos Santos & Pedro Isidro da Nóbrega Neto
- 1522 Essential Oils and Their Bioactive Compounds in the Control of Gastrointestinal Nematodes of Small Ruminants**
Weibson Paz Pinheiro André, Wesley Lyerterton Correia Ribeiro, Lorena Mayana Beserra de Oliveira, Iara Tertia Freitas Macedo, Fernanda Cristina Macedo Rondon & Claudia Maria Leal Bevilqua
- 1523 Contrast-enhanced Ocular Ultrasonography in Brachycephalic Dogs**
Thais Guimarães Morato Abreu, Marcus Antônio Rossi Feliciano, Marjury Cristina Maronezi, Ricardo Andres Ramirez Uscategui, Gabriela Morais Madruga, Karina Kamachi Kobashigawa, Roberta Martins Crivelaro, Roberto Thiesen & José Luiz Laus
- 1524 Comparison of the Effectiveness of Halofuginone Lactate and Paromomycin in the Treatment of Calves Naturally Infected with Cryptosporidium parvum**
Ugur Aydogdu, Nermin Isik, Ozlem Derinbay Ekici, Ramazan Yildiz, Ismail Sen & Alparslan Coskun
- 1525 Virulence Factors and Antimicrobial Resistance Profile of Escherichia coli Isolated from Nursery Piglets and Drinking Water**
Carolina Maciel Malgarin, Karine Ludwig Takeuti, Anne Caroline de Lara & David Emilio Santos Neves de Barcellos
- 1526 Prevalence of *Campylobacter fetus* subsp. *venerealis* in Dairy Cows from Brejo Paraibano, Brazil**
Ruy Brayner de Oliveira Filho, Karla Campos Malta, Érica Chaves Lúcio, Gláucia Grazielle Nascimento, Lucas da Costa Dutra, Rinaldo Aparecido Mota & José Wilton Pinheiro Jr.
- 1527 The Antioxidant Status and Biochemical Parameters in Kid Goats Naturally Infected with Peste Des Petits Ruminants Virus**
Ersoy Baydar, Abdurrauf Yuce, Metin Gürçay & Omer Kızıl
- 1528 Biofilm Formation by Coagulase-Positive *Staphylococcus aureus* Isolated from Mozzarella Cheese Elaborated with Buffalo Milk and its Effect on Sensitivity to Sanitizers**
Anelise Bravo Friedriczewski, Eliezer Ávila Gandra, Rita de Cássia dos Santos da Conceição, Natacha Deboni Cereser, Lauren Machado Moreira & Cláudio Dias Timm
- 1529 Serum Biochemical Profile of Nile Tilapias (*Oreochromis niloticus*) Bred in Net Cages during Summer and Winter**
Gustavo Moya Rodrigues, Fernanda Gatti de Oliveira Nascimento, Amanda Biziare, Wilson Junior Oliveira, Ednaldo Carvalho Guimarães & Antonio Vicente Mundim
- 1530 Low Density Lipoproteins at 2% Concentration Can Replace Whole Egg Yolk in TES-Tris-Milk Extender for Freezing Buffalo Sperm Cells**
Mayara Ferreira Brito, Beatriz Parzewski Neves, Guilherme de Oliveira Andrade, Rafael Ruas Gouvêa, Jaci Almeida, Camila Leite Moraes, Olindo Assis Martins Filho, Márcio Sobreira Silva Araújo, Maria Isabel Vaz de Melo & Marc Henry
- 1531 Determination of the Efficiencies of the Prokinetics in Ruminants with Postoperative Ileus Using Pro-Inflammatory Markers**
Semih Altan, Kaan Dönmez, Feray Altan & Fahrettin Alkan
- 1532 *Cinnamomum zeylanicum* Essential Oil Reduces Infestation by *Alphitobius diaperinus* in Poultry Litter**
Manuela Testa, Julia Corá Segat, Rafael Alan Baggio, Gabriela Miotti Galli, Carolina Riviera Duarte Maluche Baretta, Ricardo Evandro Mendes, Aleksandro Schafer da Silva & Dilmar Baretta
- 1533 *Mycoplasma agalactiae* in Dairy Goat Flocks Bred in State of Ceará in Association with Caprine Arthritis Encephalitis Virus**
Renato Mesquita Peixoto, Alice Andrioli, Raymundo Rizaldo Pinheiro, Francisco Selmo Fernandes Alves, Vanderlan Warlington Souza dos Santos, Maximiana Mesquita de Sousa, Dalva Alana Aragão de Azevedo, Edgar Marques Damasceno & Maria Fátima da Silva Teixeira

- 1534 ATP-Bioluminescence and Conventional Microbiology for Hygiene Evaluation of Cutting Room Surfaces in Poultry Slaughterhouse**
Laura Beatriz Rodrigues, Luciana Ruschel dos Santos, Natalie Nadin Rizzo, Daiane Ferreira, Amauri Picollo de Oliveira, Rafael Levandowski, Bruna Webber & Vladimir Pinheiro do Nascimento
- 1535 Serum Metabolic Markers Pre and Postpartum in Holstein Cows According to the Mastitis Occurrence**
Elizabeth Schwegler, Augusto Schneider, Ana Rita Tavares Krause, Paula Montagner, Eduardo Schmitt, Francisco Augusto Burkert Del Pino, Viviane Rohrig Rabassa, Eduardo Gularde Xavier, Cláudia Faccio Demarco, Vanessa Peripolli & Marcio Nunes Corrêa
- 1536 Induction of Ovulation in Mangalarga Marchador Mares by hCG or GnRH**
José Carlos Ferreira-Silva, Pábola Santos Nascimento, Marcelo Tigre Moura, Sarah Romini Lima Basto, Marlon Vasconcelos Azevedo, Jorge Motta Rocha, José Pompeu Santos Filho & Marcos Antonio Lemos Oliveira
- 1537 Avascular Necrosis of the Femoral Head in Dogs - Retrospective Study**
Catarina Borges Cardoso, Sheila Canevese Rahal, Maria Jaqueline Mamprim, Hugo Salvador Oliveira, Alessandra Melchert, Jeniffer Gabriela Figueiroa Coris & Luciane dos Reis Mesquita
- 1538 Antimicrobial Resistance in ESBL-Producing *Escherichia coli* Isolated from Layer and Pig Farms in Thailand**
Aniroot Nuangmek, Suvichai Rojanasthien, Suwit Chotinun, Panuwat Yamsakul, Pakpoom Tadee, Visanu Thamlikitkul, Nattasit Tansakul & Prapas Patchanee
- 1539 Macroscopic Anatomy and Brain Vascularization in the Greater Rhea (*Rhea americana americana*)**
Herson da Silva Costa, Hélio Noberto de Araújo Júnior, Ferdinando Vinícius Fernandes Bezerra, Carlos Eduardo Vale Rebouças, Danilo José Ayres de Menezes, Carlos Eduardo Bezerra de Moura & Moacir Franco de Oliveira
- 1540 Occurrence of Subclinical Endometritis in Dairy Cattle and Effect on Reproductive Efficiency**
Dario Vallejo, Carlos Chaves, Carmenza Benavides, Juan Astaiza & Wilmer Zambrano
- 1541 Production and Evaluation of Immunoglobulin Y Anti-*Brucella abortus* (Vaccinal Strain B19)**
Polyanna Mafra Soares, Mayara Mafra Soares, Mariane Pacheco dos Santos Lourençetti, Muriell Ribeiro Ganda, Mariana Assunção de Souza, Tatiane Cristina Fernandes Tavares, Álvaro Ferreira Júnior & Anna Monteiro Correia Lima
- 1542 Photosensitization in Cattle Caused by Spontaneous and Experimentally Ingestion of *Stryphnodendron fissuratum***
Neylisa Dario Lazaro, Flavia Barbieri Bacha, Rayane Chitolina Pupin, Juliana Paniago Lordello de Paula, Paula Velozo Leal, Arnildo Pott, Danilo Carloto Gomes & Ricardo Antônio Amaral de Lemos
- 1543 The Investigation of the Pharmacokinetics of Two Enrofloxacin Preparations Following Parenteral Administration in Calves**
Gül Banu Çiçek Bideci & Sezai Kaya
- 1544 Dynamic of Metabolic Indicators, Insulin Like-growth Factor I (IGF-I) and Cortisol in Holstein Cows during the Transition Period**
Vinicius Alvim Passos Baldacim, Karina Medici Madureira, Jean Silva Ramos, Cynthia Pereira da Costa e Silva, Clara Satsuki Mori, Maylson Rennan Borges Dias & Viviani Gomes
- 1545 Evaluation of Ventral Laparoscopic Abomasopexy Using Surgical Staples Associated with Suture Material in Dairy Cattle**
Rodrigo Romero Corrêa, Luis Cláudio Lopes Correia da Silva, Julio David Spagnolo, Leonardo Maggio de Castro, Felipe Silveira Rego Monteiro de Andrade, Natalia Franco de Oliveira e Oliveira, Aline Magalhães Ambrósio & André Luis do Valle de Zoppa
- 1546 Cholinesterase Activities and Oxidative Stress in Cattle Experimentally Exposed to Nitrate/Nitrite in Cultivated Pasture with Different Fertilization Schemes**
Ricardo Christ, Aleksandro Schafer Da Silva, Mateus Eloir Gabriel, Luan Cleber Henker, Renan Augusto Cechin, Manoela Marchezan Piva, Nathieli Bianchin Bottari, Maria Rosa Chitolina Schetinger, Matheus Pedrotti De Cesaro, Vera Maria Morsch & Ricardo Evandro Mendes
- 1547 Safety of Antithelial Drug Buparvaquone in Rams**
Nermin Isik, Ozlem Derinbay Ekici, Ceylan Ilhan & Devran Coskun
- 1548 Clinical, Hematological and Biochemical Profiles of Dogs with *Leishmania infantum***
Stela Maria Argôlo Montargil, Fábio Santos Carvalho, Gabriela Mota Sena de Oliveira, Alexandre Dias Munhoz, Renata Santiago Alberto Carlos & Amauri Arias Wenceslau
- 1549 Cardiovascular Evaluation in Bitches in Oestrus, Pregnancy and Puerperium**
Mayara Cristini Ferreira Aguiar, Karina Preising Aptekmann, Leandro Egert, Afonso Cassa Reis, Ana Paula Madureira & Márcio Paiva Barcellos

- 1550 Diet Composition and Seasonal Fluctuations in the Feeding Habit of Snow Barbel (*Schizothorax plagiostomus*) in River Indus, Pakistan**
Muhammad Qayash Khan, Muhammad Zubair Anjum, Shamim Akhter, Irfan Khattak, Muhammad Adnan & Abid Ali
- 1551 Evaluation of Trace Element Levels and Antioxidant Metabolism in Cattle with Cutaneous Papillomatosis**
Handan Hilal Arslan, Duygu Tarhan, Sena Cenesiz, Fatma Ates Alkan, Umit Ozcan, Esma Tongut Arslan, Umit Bora Barutcu & Mehmet Erman Or
- 1552 Effects of the Bull on Conception Rate of Dairy Cows in Different Seasons and According to AI Type**
Gabriela Bueno Luz, Andressa Stein Maffi, Lucas Balinhas Farias, Eduardo Goulart Xavier, Márcio Erpen Lima, Marcio Nunes Corrêa & Cássio Cassal Brauner
- 1553 Stereological and Morphometric Study of Type 3 Collagen Formation in the Cutaneous Wounds of Diabetic Mice Treated with Mesenchymal Stem Cells**
Huanna Waleska Soares Rodrigues, Betânia Souza Monteiro, Lucilene dos Santos Silva, Maria Acelina Martins de Carvalho & Napoleão Martins Argôlo Neto
- 1554 Comparison of the Efficacy of Hydrogen Peroxide and Salt for Control of Fungal Infections on Brown Trout (*Salmo trutta*) Eggs**
Nikolina Novakov , Vladislav Mandić, Brankica Kartalović, Bojana Vidović, Nenad Stojanac, Zorana Kovačević & Nada Plavša
- 1555 Xenogeneic Mesenchymal Stem Cells in the Formation of Hyaline Cartilage in Osteochondral Goat Failure**
Lais Meireles Costa Silva, Mariá Andrade de Carvalho Rocha, Marllos Henrique Vieira Nunes, Brenda Lurian do Nascimento Medeiros, Yulla Klinger de Carvalho Leite, Huanna Waleska Soares Rodrigues, Marcelo Campos Rodrigues, Herminio José da Rocha Neto, Maria Acelina Martins de Carvalho & Napoleão Martins Argôlo Neto
- 1556 Estrogen and Progesterone Synthesis with Cellular Response in a C57BL/6 Mouse Model of Cuprizone-Induced Demyelination**
Mehmet Önder Karayığit & Murat Yarım
- 1557 Isolation and Molecular Characterization of *Dichelobacter nodosus* Isolated from Sheep in Bahia, Brazil**
Vitor Santiago de Carvalho, Charles Fernando Capinos Scherer, Maicon Pereira Lents, José Eugênio Guimarães, Juliana Targino Silva Almeida e Macêdo, Karla Alvarenga Nascimento & Pedro Miguel Ocampos Pedroso
- 1558 Genetic Characterization of *Toxocara vitulorum* in Turkey by Mitochondrial Gene Markers (cox1)**
Bekir Oguz
- 1559 The Slaughtering Causes with Dental and Gingival Lesions in Dairy Cows within Postmortem Period**
Ibrahim Yurdakul, Ozge Ozdemir & İlker Sen
- 1560 A Cardioprotective Role of *Nerium oleander* with the Expression of Hypoxia Inducible Factor 2A mRNA by Increasing Antioxidant Enzymes in Rat Heart Tissue**
Mustafa Hıtit, Orhan Corum, Duygu Durna Corum, Huseyin Donmez, Gul Cetin, Burak Dik & Ayse Er
- 1561 Development of a Fatty Liver Model by Restricted Feeding of Lactating Sheep**
Wei Yang, Xiaobing Li, Guowen Liu, Hongyou Zhang, Yuanyuan Chen, Cheng Xia & Chuang Xu
- 1562 The Effect of Different Hormones and Antibiotics on Activity of AST Enzyme and its Isozymes in Wistar Rats**
Minoo Azani, Ali Asghar Moshtaghe & Ali Asghar Rastegari
- 1563 Epidemiological Characterization and Risk Assessment Associated with the Presence of Diptera Order in Laying Poultry Farms**
Tiago Mendonça de Oliveira, Cristina Mara Teixeira, Isabela de Lourdes Araujo, Leandro do Carmo Rezende, Lucas Maciel Cunha, Rui Pitágoras de Lima Castro Filho, Soraia Araújo Diniz & Marcos Xavier Silva
- 1564 Pentoxyfylline May Restore Kanamycin-Induced Renal Damage in Rats**
Orhan Corum, Ozgur Ozdemir, Mustafa Hıtit, Duygu Durna Corum, Devran Coskun & Ayse Er
- 1565 Influence of Follicular Growth Stimulation on Fertility of Beef Cows Treated with eCG or FSH in FTAI Protocols**
Diego Xavier Thedy, Carolina Gabriela Becker Berlitz, Carolina Rodrigues Oliveira, Débora Schneid Vaz Luiz, Gabriella dos Santos Velho, André Gustavo Cabrera Dalto & João Batista Souza Borges
- 1566 Hepatic and Renal Lesions in Free Ranging Black Caimans (*Melanosuchus niger*) in the Brazilian Amazon for Human Consumption**
Adriana Maciel de Castro Cardoso, Alex Junior Souza de Souza, Rodrigo Caldas Menezes, Natália Freitas de Souza, Washington Luiz Assunção Pereira & Rogério Tortelly

- 1567 Evaluation of Postoperative Residual Analgesia of Two Solutions Used for Local Anesthesia by Tumescence in Bitches who Underwent a Unilateral Mastectomy**
Lianna Ghisi Gomes, Deborah Braga Pytlak, Ângela Renata Bólico do Amaral, Dábila Araújo Sônego, Samuel Monzem, Giulia Maria Dilda Campos, Marcos de Almeida Souza, Alexandre Pinto Ribeiro, Fabíola Niederauer Flôres & Luciana Dambrósio Guimarães
- 1568 Ultrasound Evaluation of Lung Fields in Healthy Dogs: Scanning Technic and Aspects of Normality**
Diego Ferreira Alves Modena, Silvana Maria Unruh, Guilherme Teixeira Goldfeder, José Henrique Hildebrand Grisi Filho, Paula Hiromi Itikawa, Maria Helena Matiko Akao Larsson & Carla Aparecida Batista Lorigados
- 1569 Calcium and Magnesium Urinary Excretion in Dairy Cows with Different Fee of Glucose Metabolization**
Elizabeth Schwegler, Paula Montagner, Eduardo Schmitt, Augusto Schneider, Marina Menoncin Weschenfelder Rohenkohl, Ana Rita Tavares Krause, Rubens Alves Pereira, Jéssica Halfen, Francisco Augusto Burkert Del Pino & Marcio Nunes Corrêa
- 1570 Anesthetic Risk in Cats Undergoing Surgical Procedures in a Veterinary Medical Teaching Hospital**
Nhirneyla Marques Rodrigues, Ana Maria Quessada, Aeyphanny Carlandy Moraes, Cristian Francisco de Carvalho Pereira, Dayanne Anunciação Silva Dantas Lima, Sávio Soares Barbosa Dantas, Salviano Tramontin Belettini & Filipi Alexandre do Nascimento Silva
- 1571 Miltefosine Administration in Cats with Refractory Sporotrichosis**
Francine dos Santos da Silva, Simone Carvalho dos Santos Cunha, Andrea Regina de Souza Baptista, Vivian dos Santos Baptista, Kássia Valéria Gomes Coelho da Silva, Thais Fernanda Queiroz Coelho & Ana Maria Reis Ferreira
- 1572 Immunohistochemical Detection of Viral Etiopathogenesis in Lambs and Goat Kids with Neonatal Diarrhea**
Ozlem Ozmen, Mehmet Haligur, Ahmet Aydogan & Necdet Demir
- 1573 Cryptosporidium spp. in Aratinga jandai, Diopsittaca nobilis and Pionus menstruus in Brazil**
Dayane Barbosa de Vasconcelos, Edison Eduardo Vasconcellos Goulart do Amarante, Mariane Marques da Guarda Pinto, Daniel de Almeida Balthazar & Fabiano Borges Figueiredo
- 1574 Proposal of Equations for Predicting Post-Farrowing Sow Weight**
André Luis Mallmann, Gabriela da Silva Oliveira, José Zacarias Rampi, Felipe Basquera Betiolo, Deivison Pereira Fagundes, Jamil Elias Ghiggi Faccin, Ines Andretta, Rafael da Rosa Ulguim, Ana Paula Gonçalves Mellagi & Fernando Pandolfo Bortolozzo
- 1575 Morphology of the Stomach of Tayra (*Eira barbara*)**
André Luis de Sousa Nogueira Lima, Thamara Cozzi Gonçalves, Érika Renata Branco, Rogério Antônio Ribeiro Rodrigues, Elane Guerreiro Giese, Daiene Costa do Carmo, Juliana Teixeira Santos & Ana Rita de Lima
- 1576 Comparison among Feline's Body Mass Index, Leptin Hormone Serum Level and Body Condition Score to Diagnose Obesity in Domestic Cats**
Renée Cristine Carvalho Barbosa, Camila Flávia Magalhães Botelho, Raquel Sampaio Alves & Heloisa Justen Moreira de Souza
- 1577 Effects of Trehalose and Catalase on the Viability and Kinetic Parameters of Cryopreserved Ram Sperm**
Sukru Gungor, Ayhan Ata & Muhammed Enes Inanc
- 1578 Correlation between Different *Helicobacter* Morphotypes and Histological Changes in Pig Gastric Mucosa**
Nataša Pejčinovska, Dušan Lalošević, Vesna Lalošević, Ivan Čapo & Aleksandar Potkonjak
- 1579 Holding Pens as Sources of Contamination of Coagulase-Positive *Staphylococcus* to Pigs Waiting for Slaughter**
Lauren Machado Moreira, Alana Borges Tavares, Celina Nunes Ebersol, Thaís Gonçalves Gonçalves, Helenice Gonzalez de Lima, Natacha Deboni Cereser & Cláudio Dias Timm
- 1580 Systematization of the Brain Base Arteries in Nutria (*Myocastor coypus*)**
Rodrigo Cavalcanti de Azambuja, Laura Ver Goltz & Rui Campos
- 1581 Insecticidal Action of Glycerol Monolaurate against the Lesser Mealworm (*Alphitobius diaperinus*) and its Eco-toxicological Effect on *Enchytraeus crypticus***
Thainá Tomasi, Talyta Zortéa, Tamires Rodrigues dos Reis, Leonardo Quintana Soares Lopes, Matheus Dallamea Baldissera, Roberto Christ Vianna Santos, Dilmar Baretta, Lenita Moura Stefani & Aleksandro Schafer da Silva
- 1582 Approach of Cavitary Effusion Classification and Comparison between Manual and Automatic Methods for Total Nucleated Cell Count**
Nilson Júnior da Silva Nunes, Naila Cristina Blatt Duda, Juliana Pereira Matheus, Ana Paula Soares Borenstein, Bruno Albuquerque de Almeida, Angelica Menin & Stella de Faria Valle
- 1583 Immune Responses in Mice Immunized with Mastitis Multiple Vaccines Using Different Adjuvants**
Zhe Zhang, Xin-Pu Li, Feng Yang, Jin-Yin Luo, Xu-Rong Wang, Long-hai Liu & Hong-Sheng Li

- 1584 A Retrospective Study of Small Animal Poisoning at the Veterinary Medical Teaching Hospital from South Region of Brazil**
Luciana Zang, Rafaela Scheer Bing, Ana Cristina Pacheco de Araujo and Marcio Poletto Ferreira
- 1585 Evaluation of Cardiorespiratory Effects of Dexmedetomidine Isolated and Associated With Morphine in Bitches Submitted to Elective Ovariosalpingohysterectomy under General Inhalation Anesthesia**
Tais Aroma Fernandes da Costa, Lívia Caroline de Mascarenhas, Wellington Monteiro da Anunciação Filho, Dábila Araújo Sônego, Giulia Maria Dilda Campos, Fabiola Niederauer Flores & Luciana Dambrósio Guimarães
- 1586 Effects of Different Heart Dimensions on Race Performance in Thoroughbred Race Horses**
Orhan Pınar & Aziz Arda Sancak
- 1587 Laboratory Evaluation and Serum Level of Phenobarbital Administered by Different Pathways in Dogs**
Gabriela Francisco Bittar, Gleice Laine de Souza, Gabriela Haro de Melo, Dayane Aparecida Francisco da Silva, José Sérgio Costa Júnior, Rogério Giuffrida & Rosa Maria Barilli Nogueira
- 1588 Autogenous Osteochondral Graft Associated with IGF-1 in Induced Articular Cartilage Lesion in Rabbits**
Fernando Yoiti Kitamura Kawamoto, Leonardo Augusto Lopes Muzzi, Antônio Carlos Cunha Lacreta Junior, Djeison Lutier Raymundo, Endrigo Gabellini Leonel Alves, Willer Guimarães e Silva & Ruthnêa Aparecida Lázaro Muzzi
- 1589 The Effects of Separate and Combined Use of PGF2 α and GnRH Hormones and the Addition of Beta-Carotene on Fertility Parameters in Dairy Cows with Ovarian Cysts**
Birten Emre, Ibrahim Küçükaslan, Ali Reha Ağaoğlu, Serhan Serhat Ay, Duygu Kaya, Mustafa Somali & Selim Aslan
- 1590 Identification and Distribution of Causative Agents of Pleurisy in the Brazilian Pig Farming**
Enio Rivelino Maria Nascimento, Ricardo Zanella, Lucas Fernando dos Santos, Rosali Ebertz, Diego Finamor Nascimento, Laurinda Mara Ribeiro & Eraldo Lourenço Zanella
- 1591 Clinical, Ultrasonographic and Histopathological Findings of Gastrointestinal Disorders in Cats**
Christiane Aguero da Silva, Simone Carvalho dos Santos Cunha, Heloisa Justen Moreira de Souza, Amanda Chaves de Jesus & Ana Maria Reis Ferreira
- 1592 Seroprevalence and Risk Factors of *Chlamydophila abortus* Infection in Goats of the State of Rio Grande do Norte, Brazil**
Juscilânia Furtado Araújo, Raymundo Rizaldo Pinheiro, Alice Andrioli, Francisco Selmo Fernandes Alves, Patrícia Yoshida Faccioli, Angela Maria Xavier Eloy, Vanderlan Warlington Souza dos Santos, Renato Mesquita Peixoto & Ana Milena Cesar Lima
- 1593 Effect of Vitamins and Amino Acids as Cryoprotectant Solution Supplementation for the Cryopreservation of Tambaqui Semen (*Colossoma macropomum*)**
Júlia Trugilio Lopes, Mayara Setúbal Oliveira-Araújo, Renata Vieira do Nascimento, Yasmim Maia Ferreira, Assis Rubens Montenegro & Carminda Sandra Brito Salmito-Vanderley
- 1594 Comparison of Thermographic Imaging and Other Diagnostic Techniques in Diagnosis of Cattle with Laminitis**
Mustafa Arican, Fatih Hatipoglu, Hanifi Erol, Ozgur Kanat, Orhan Yavuz, Kurtulus Parlak & Osman Koc
- 1595 Glutamine and Glutamate Supplementation Increases the Levels of These Amino Acids in the Milk of Pasture-fed Mares**
Elizabeth Regina Rodrigues da Silva, Monica Miranda Hunka, Helena Emilia Cavalcanti da Costa Cordeiro Manso, & Hélio Cordeiro Manso Filho
- 1596 Femoral Artery Dopplerfluxometry of Adult Healthy Dogs (*Canis lupus familiaris*)**
Ivan Felismino Charas dos Santos, Letícia Rocha Inamassu, Sheila Canevese Rahal, Maria Jaqueline Mamprim, David José de Castro Martins, Bárbara Sardela Ferro, Bruna Martins da Silva, Gustavo Manea Ferreira, Marina Paiva Branco & José Ivaldo de Siqueira Silva Júnior
- 1597 Biofilm Production of *Leptospira* spp. Strains**
Dayane Olímpia Gomes, Laura Gonçalves da Silva Chagas, Gabriela Bim Ramos, Andreia Zago Ciuffa, Laís Miguel Rezende, Lígia Pinho Cucato, Thais Fernanda Martins dos Reis, Bruno Cabral Pires & Anna Monteiro Correia Lima
- 1598 Gross Anatomy and Vascularization of the Brain of Pacarana (*Dinomys branickii*)**
Letícia Menezes Freitas, Kleber Fernando Pereira, Fabiano Rodrigues de Melo, Leandro Silveira, Odeony Paulo dos Santos, Dayane Kelly Sabec Pereira, Fabiana Cristina Silveira Alves de Melo, Anah Tereza de Almeida Jácomo & Fabiano Campos Lima
- 1599 Blood Parameters of Lactating Cows Fed Calcium Salts as Energetic Source**
William Del Conte Martins, Sérgio Henrique Mioso Cunha, André Giarola Boscarato, Jonathan Soares de Lima, Jair Dario Esteves Junior, Gian Luca Todero Uliana, Mateus Trindade Pedrini & Luiz Romulo Alberton

- 1600 Occurrence of Dental Disorders in Dogs**
Leonardo Sauer, Nina Gabriela Silva Gualberto Oliveira, Lorena Priscila Oliveira Andrade, Elisângela Barboza da Silva, Mário Sérgio Lima de Lavor, Amauri Arias Wenceslau & Renata Santiago Alberto Carlos
- 1601 Anatomical Description of the Forelimb Muscles of the Brown-Throated Sloth (*Bradypus variegatus*)**
João Augusto Rodrigues Alves Diniz, Brunna Muniz Rodrigues Falcão, Ediane Freitas Rocha, Joyce Galvão de Souza, Artur da Nobrega Carreiro, Gildenor Xavier Medeiros & Danilo José Ayres de Menezes
- 1602 Effects of Flunixin Meglumine on Oxidant and Antioxidant System after Disbudding with Caustic Paste in Calves**
Selvinaz Yakan, Vesile Duzguner & Ozgur Aksoy
- 1603 Haematological and Biochemical Values of Immunosuppressed BALB/c NUDE and C57BL/6 SCID Mice**
Érika Almeida Praxedes, Muriel Magda Lustosa Pimentel, Fernanda Araujo dos Santos, Denilsa Pires Fernandes, Brenna de Sousa Barbosa, Parmênedes Dias de Brito, Ivana Cristina Nunes Gadelha Lelis, Michelly Fernandes de Macedo & Marcelo Barbosa Bezerra
- 1604 Pathological Findings in the Adrenal Glands of 80 Dogs**
Elisângela Olegário da Silva, Giovana Wingeter Di Santis, Selwyn Arlington Headley & Ana Paula Frederico Rodrigues Loureiro Bracarense
- 1605 Healing Effects of Formulations with Extract of *Sonchus oleraceus***
Idelvânia dos Anjos Nonato, Marlene Isabel Vargas Viloria, Gabriel Domingos Carvalho, Fabrício Luciani Valente, Joaquín Hernán Patarroyo Salcedo, Marcelo Barcellos Da Rosa & Camilo Amaro de Carvalho
- 1606 Characterization of Immune and Enteric Systems of Broilers after Imunosuppression with Dexamethasone**
Daiane Carvalho, Juliana Inês Herpich, Gabriela Zottis Chitolina, Marta Sílvia Gava, Lucas Brunelli de Moraes, Thales Quedi Furian, Karen Apellanis Borges, Flávia Bornancini Borges Fortes, Hamilton Luiz de Souza Moraes & Carlos Tadeu Pippi Salle
- 1607 Metabolic Status of Dairy Cows Grouped by Anabolic and Catabolic Indicators of Metabolic Stress in Early Lactation**
Branislava Belić, Marko Cincović, Ivana Lakić, Radojica Đoković, Milun Petrović, Jožica Ježek & Jože Starič
- 1608 Addition of Palm Oil in Diet of Dairy Ewes Reduces Saturates Fatty Acid and Increases Unsaturated Fatty Acids in Milk**
Anderson Elias Bianchi, Talyta Zortea, Chrystian Jassana Cazzarotto, Gustavo Machado, Luis Gustavo Pellegrini, Neila Sílvia Pereira dos Santos Richards, Matheus Dellaméa Baldissera, Aleksandro Schafer da Silva, Alessandro Cazonatto Galvão & Vicente de Paula Macedo
- 1609 Collateral Arteries of the Aortic Arch in Mongolian Gerbil (*Meriones unguiculatus*)**
Radan Elvis Matias de Oliveira, Hélio Noberto de Araújo Júnior, Herson da Silva Costa, Gleidson Benevides de Oliveira, Carlos Eduardo Bezerra de Moura, Danilo José Ayres de Menezes & Moacir Franco de Oliveira
- 1610 Geo-Epidemiological Study of *Leptospira* spp. Infection in Cattle, Feral Cats and Rodents of the Fernando de Noronha Island, Brazil**
Eduardo Gueifer Ferrer de Moraes, Fernando Jorge Rodrigues Magalhães, Carlos Diógenes Ferreira de Lima Filho, Daniel Friguglietti Brandespim, Pollyane Rayxa Fernandes de Oliveira, Diego Figueiredo da Costa, Sérgio Santos de Azevedo & Rinaldo Aparecido Mota
- 1611 An Epidemiological Study of Drug Resistance and Resistance Genes in Bovine *Escherichia coli* Isolates in Heilongjiang Province of China**
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