

2019

ACEVEDO, P.; PRIETO, M.; QUIRÓS, P.; MEREDIZ, I.; DE JUAN, L.; INFANTES-LORENZO, J.; TRIGUERO-OCAÑA, R.; **BALSEIRO, A.** 2019.

Tuberculosis epidemiology and badger (*Meles meles*) spatial ecology in a hot-spot area in Atlantic Spain.

Pathogens, Dec 10;8(4). pii: E292.

<https://doi.org/10.3390/pathogens8040292>

ALONSO-HEARN, M.; CANIVE, M.; BLANCO-VÁZQUEZ, C.; TORREMOCHA, R.; **BALSEIRO, A.**; AMADO, J.; VARELA-MARTÍNEZ, E.; RAMOS, R.; JUGO, B.M., R CASAIS, R. 2019.

RNA-Seq analysis of ileocecal valve and peripheral blood from Holstein cattle infected with *Mycobacterium avium* subsp. *paratuberculosis* revealed dysregulation of the CXCL8/IL8 signaling pathway.

Scientific Reports. 9: 14845

<https://doi.org/10.1038/s41598-019-51328-0>

BALSEIRO, A.; ÁLVAREZ MORALES, L.M.; GONZÁLEZ-QUIRÓS, P.; GORTÁZAR, C.; PRIETO, J.M. 2019.

Effectiveness of a calf-selective feeder in preventive wild boar access.

European Journal of Wildlife Research, 65:38.

<https://doi.org/10.1007/s10344-019-1276-4>

BALSEIRO, A.; JUSTE, R.A. 2019.

Paratuberculosis. En: *Enfermedades infectocontagiosas en rumiantes*.

Editorial Elsevier. Colección Manuales Clínicos en Veterinaria. ISBN: 9788491133537.

BALSEIRO, A.; PÉREZ, V.; JUSTE, R.A. 2019

Chronic regional intestinal inflammatory disease: A trans-species slow infection?

Comparative Immunology, Microbiology and Infectious Diseases, 62: 88-100.

<https://doi.org/10.1016/j.cimid.2018.12.001>

BALSEIRO, A.; ROYO, L.J.; GAYO, E.; **GARCÍA MARÍN, J.F.** 2019.

Cholangiocarcinoma in a free-ranging Eurasian brown bear (*Ursus arctos arctos*) from northern Spain.

Journal of Wildlife Diseases, 56: 251-254.

<https://doi.org/10.7589/2019-03-054>

BARTLEY, P.M.; BURRELLS, A.; **BENAVIDES, J.**; CANTON, G.; GARCÍA, J.L.; THOMSON, J.; CHIANINI, F.; INNES, E.A; KATZER, F. 2019.

Cell mediated and innate immune responses in pigs following vaccination and challenge with *Toxoplasma* parasites.

Veterinary Parasitology, 275:108963

<https://doi.org/10.1016/j.vetpar.2019.108963>. Epub 2019 Oct 17.

CASAIS, R.; RODRÍGUEZ LARRINAGA, A.; DALTON, K.P.; DOMÍNGUEZ LAPIDO, P.; MÁRQUEZ, I.; BÉCARES, E; DAVIS CARTER, E.; GRAY, M.J.; MILLER, D.L.; **BALSEIRO, A.** 2019.

Water sports could contribute to the translocation of ranaviruses.

Scientific Reports, 9:2340

<https://doi.org/10.1038/s41598-019-39674-5>

CALERO-BERNAL, R.; SANTÍN, M.; MALONEY, J.G.; MARTÍN-PÉREZ, M.; HABELA, M.A.; FERNÁNDEZ-GARCÍA, J.L.; FIGUEIREDO, A.; NÁJERA, F.; PALACIOS, M.J.; MATEO, M.; **BALSEIRO, A.**; BARRAL, M.; LIMA-BARBEROI, J.F.; KÖSTER, P.C.; D CARMENA, D. 2019.

Blastocystis sp. Subtype Diversity in Wild Carnivore Species from Spain.

Journal of Eukaryotic Microbiology, 5 Nov 2019

<https://doi.org/10.1111/jeu.12772>

CASTAÑO, P.; FERNÁNDEZ, M.; REGIDOR-CERRILLO, J.; FUERTES, M.; HORCAJO, P.; FERRE, I.; **FERRERAS, M.C.**; ORTEGA-MORA, L.M.; **PÉREZ, V.**; **BENAVIDES, J.** 2019.

Peripheral and placental immune responses in sheep after experimental infection with *Toxoplasma gondii* at the three terms of gestation.

Veterinary Research, 50: 66

<https://doi.org/10.1186/s13567-019-0681-8>

CASTAÑO P.; **BENAVIDES J.**; LEE M.S.; **FERNÁNDEZ M.**; FUERTES M.; **ROYO M.**, FERNÁNDEZ J.M.; **PÉREZ V.**; **FERRERAS M.C.** 2019.

Tissue tropism of chicken anaemia virus in naturally infected broiler chickens.

Journal of Comparative Pathology, 167:32-40.

<https://doi.org/10.1016/j.jcpa.2018.11.008>

CEBALLOS, L.; CANTON, C.; PRUZZO, C.; SANABRIA, R.; MORENO, L.; SANCHIS, J.; SUAREZ, G.; ORTIZ, P.; FAIRWEATHER, I.; LANUSSE, C.; ALVAREZ, L.; **MARTINEZ VALLADARES, M.** 2019.

The egg hatch test: A useful tool for albendazole resistance diagnosis in *Fasciola hepatica*.

Veterinary Parasitology, 271: 7–13.

<https://doi.org/10.1016/j.vetpar.2019.06.001>

ESTEBAN-BALLESTEROS, M.; SANCHIS, J.; GUTIÉRREZ-CORBO, C.; BALAÑA-FOUCE, R.; **ROJO-VÁZQUEZ, F.A.**; **GONZÁLEZ-LANZA, C.**; **MARTÍNEZ-VALLADARES, M.** 2019.

In vitro anthelmintic activity and safety of different plant species against the ovine gastrointestinal nematode *Teladorsagia circumcincta*.

Research in Veterinary Science, 123: 153–158.

<https://doi.org/10.1016/j.rvsc.2019.01.004>

GAYO, E.; POLLEDO, L.; MAGALDE, A.; **BALSEIRO, A.**; GARCÍA IGLESIAS, M.J.; PÉREZ MARTÍNEZ, C.; PREZIUSO, S.; ROSSI, G.; **GARCÍA MARÍN, J.F.** 2019.

Characterization of minimal lesions related to the presence of visna/maedi virus in the mammary gland and milk of dairy sheep.

BMC Veterinary Research, 15: 109

<https://doi.org/10.1186/s12917-019-1855-3>

GRAU-PUJOL, B.; **MARTINEZ-VALLADARES, M.**; **GANDASEGUI, J.**; CANO, J.; COSSA, A.; SACOOR, C.; MUNOZ, J. 2019.

Uncovering the hidden: surveillance of the emergence of anthelmintic resistance in human population with soil-transmitted helminths in southern Mozambique.

Transactions of the Royal Society of Tropical Medicine and Hygiene, 113: S36.

<http://doi.org/10.1093/trstmh/trz094> A

INFANTES-LORENZO, J.A.; MORENO, I.; ROY, A.; RISALDE, M.A.; **BALSEIRO, A.**; DE JUAN, L.; ROMERO, B.; BEZOS, J.; PUENTES, E.; AKERSTEDT, J.; TESSEMA, G.; GORTÁZAR, C.; DOMÍNGUEZ, L.; DOMÍNGUEZ, M. 2019.

Specificity of serological test for detection of tuberculosis in cattle, goats, sheep and pigs under different epidemiological situations.

BMC Veterinary Research, 17: 70.

<https://doi.org/10.1186/s12917-019-1814-z>

JIMÉNEZ-PELAYO, L.; GARCÍA-SÁNCHEZ, M.; VÁZQUEZ, P.; REGIDOR-CERRILLO, J.; HORCAJO, P.; COLLANTES-FERNÁNDEZ, E.; BLANCO-MURCIA, J.; **GUTIÉRREZ-EXPÓSITO, D.**; ROMAN-TRUFERO, A.; OSORO, K.; **BENAVIDES, J.**; ORTEGA-MORA, L.M. 2019.

Early *Neospora caninum* infection dynamics in cattle after inoculation at mid-gestation with high (Nc-Spain 7)- or low (Nc-Spain 1H)-virulence isolates.

Veterinary Research, 50: 72

<https://doi.org/10.1186/s13567-019-0691-6>

MANGA-GONZÁLEZ M.Y.; **FERRERAS M.C.** 2019. Dicrocoeliidae Family: Major Species Causing Veterinary Diseases. In: Toledo R., Fried B. (eds) *Digenetic Trematodes*.

Advances in Experimental Medicine and Biology, vol 1154. Springer, 2nd ed. pp 279-319.
<https://doi.org/10.1007/978-3-030-18616-6> 10. Printed ISBN 978-3-030-18615-9; Online ISBN 978-3-030-18616-6

MARTÍNEZ, I.Z.; PÉREZ-MARTÍNEZ, C.; SALINAS, L.M.; **GARCÍA-MARÍN, J.F.**; JUSTE, R.A.; **BALSEIRO, A.** 2019.

Phenotypic characterization of encephalitis in the brains of goats experimentally infected with Spanish goat encephalitis virus.

Veterinary Immunology and Immunopathology, 220

<https://doi.org/10.1016/j.vetimm.2019.109978>

MARTÍNEZ-VALLADARES, M.; **CASTILLA GÓMEZ DE AGÜERO, V.**; **VALDERAS GARCÍA, E.**; **ROJO-VÁZQUEZ, F.A.** 2019.

Presente, pasado y futuro del diagnóstico de las infecciones por nematodos gastrointestinales en el ganado ovino (I).

Albeitar, 231: 6-8.

https://issuu.com/editorialservet/docs/albeitar_231_mr

MORGAN, E.R.; AZIZ, N.A.; BLANCHARD, A.; CHARLIER, J.; CHARVET, C.; CLAEREBOU, E.; GELDHOF, P.; GREER, A.W.; HERTZBERG, H.; HODGKINSON, J.; HÖGLUND, J.; HOSTE, H.; AY KAPLAN, R.M.; **MARTÍNEZ-VALLADARES, M.**; MITCHELL, S.; PLOEGER, H.W.; RINALDI, L.; VON SAMSON-HIMMELSTJERNA, G.; SOTIRAKI, S.; SCHNYDER, M.; SKUCE, P.; BARTLEY, D.; KENYON, F.; THAMSBORG, S.M.; VINEER, H.R.; DE WAAI, T.; WILLIAMS, A.R.; VAN WYK, J.A.; VERYCRUYSE, J. 2019

100 questions in livestock helminthology research.

Trends in Parasitology, 35: 52-71.

<https://doi.org/10.1016/j.pt.2018.10.006>

OLEAGA, A.; GARCÍA, A.; **BALSEIRO, A.**; CASAIS, R.; MATA, E.; CRESPO, E. 2019.

First description of sarcoptic mange in the endangered Iberian lynx (*Lynx pardinus*): clinical and epidemiological features.

European Journal of Wildlife Research, 65: 40

<https://doi.org/10.1007/s10344-019-1283-5>

PESAVENTO P.A.; DANGE, R.B.; **FERRERAS, M.C.**; DASJERDI, A.; **PÉREZ, V.**; LAROCA, A.; **BENAVIDES, J.**; DIAB, S.; JACKSON, K.; PHILLIPS, I.L.; LI, H.; CUNHA, C. W.; WESSELS, M. 2019.

Systemic necrotizing vasculitis in sheep is associated with ovine herpesvirus 2.

Veterinary Pathology, 56:78-86.

<https://doi.org/10.1177/0300985818795166>

REGUERA, R.M.; PÉREZ-PERTEJO, Y.; GUTIÉRREZ-CORBO, C.; DOMÍNGUEZ-ASENJO, B.; ORDÓÑEZ, C.; GARCÍA-ESTRADA, C.; **MARTÍNEZ-VALLADARES, M.**; BALAÑA-FOUCE, R. 2019.

Current and promising novel drug candidates against visceral leishmaniasis.

Pure and Applied Chemistry, 91: 1–20.

<https://doi.org/10.1515/pac-2018-1102>

SALINAS, L.M.; **BALSEIRO, A.**; JIRÓN, W.; PERALTA, A.; MUÑOZ, D.; FAJARDO, J.; GAYO, E.; MARTÍNEZ, I.Z.; RIET-CORREA, F.; GARDNER, D.R.; **GARCÍA MARÍN, J.F.** 2019.

Neurological syndrome in goats associated with *Ipomoea trifida* and *Ipomoea carnea* containing calystegines.

Toxicon, 157: 8–11.

<https://doi.org/10.1016/j.toxicon.2018.11.291>

SÁNCHEZ-SÁNCHEZ, R.; FERRE, I.; RE, M.; RAMOS, J. J.; REGIDOR-CERRILLO, J.; PIZARRO DÍAZ, M.; GONZÁLEZ-HUECAS, M.; TABANERA, E.; **BENAVIDES, J.**; HEMPHILL, A.; HULVERSON, M. A.; BARRETT, L. K.; CHOI, R.; WHITMAN, G. R.; OJO, K. K.; VAN VOORHIS, W. C.; ORTEGA-MORA, L. M. 2019.

Treatment with bumped kinase inhibitor 1294 is safe and leads to significant protection against abortion and vertical transmission in sheep experimentally infected with *Toxoplasma gondii* during pregnancy.

Antimicrobial Agents and Chemotherapy, 63: e02527-02518.

<https://doi.org/10.1128/AAC.02527-18>

SÁNCHEZ-SÁNCHEZ, R.; FERRE, I.; REGIDOR-CERRILLO, J.; **GUTIÉRREZ-EXPÓSITO, D.**; FERRER, L. M.; **ARTECHE-VILLASOL, N.**; MORENO-GONZALO, J.; MÜLLER, J.; AGUADO-MARTÍNEZ, A.; **PÉREZ, V.**; HEMPHILL, A.; ORTEGA-MORA, L. M.; **BENAVIDES, J.** 2019.

Virulence in mice of a *Toxoplasma gondii* type II isolate does not correlate with the outcome of experimental infection in pregnant sheep.

Frontiers in Cellular and Infection Microbiology, 8: 436

<https://doi.org/10.3389/fcimb.2018.00436>

TANNER, E.; WHITE, A.; ACEVEDO, P.; BALSEIRO, A.; MARCOS, J.; GORTÁZAR, C. 2019.

Wolves contribute to disease control in a multi-host system.

Scientific Reports, 9: 7940, 2019.

<https://doi.org/10.1038/s41598-019-44148-9>

VÁZQUEZ, P.; OSORO, K.; FERNÁNDEZ, M.; ROMAN-TRUFERO, A.; REGIDOR-CERRILLO, J.; JIMÉNEZ-PELAYO, L.; GARCÍA-SÁNCHEZ, M.; ROJO-MONTEJO, S.; **BENAVIDES, J.**; HORCAJO, P.; ORTEGA-MORA, L.M. 2019.

Effects of challenge dose and inoculation route of the virulent *Neospora caninum* Nc-Spain 7 isolate in pregnant cattle ant mid-gestation.

Veterinary Research, 50: 68

<https://doi.org/10.1186/s13567-019-0686-3>