

BIBLIOGRAFIA

- AGERHOLM, J.S., HOLM, W., SCHMIDT, M., et al. (2014). "Perosomus Elumbis in Danish Holstein Cattle". BMC Veterinary Research. 10(6). pp. 227. DOI: <https://doi.org/10.1186/s12917-014-0227-2>
- AGERHOLM, J.S., MENZI, F., MCEVOY, F.J., et al. (2016). "Lethal chondrodysplasia in a family of Holstein cattle is associated with a de novo splice site variant of COL2A1". BMC Veterinary Research. 12(1). pp. 100. DOI: <https://doi.org/10.1186/s12917-016-0739-z>
- AGERHOLM, J.S., MCEVOY, F.J., HEEGAARD, S., et al. (2017). "A de novo missense mutation of FGFR2 causes facial dysplasia syndrome in Holstein cattle". BMC genetics. 18(1). pp. 74. <https://doi.org/10.1186/s12863-017-0541-3>
- AGERHOLM, J.S., WERNIKE, K. (2022). "Occurrence of malformed calves in April-May 2021 indicates an unnoticed 2020 emergence of Schmallenberg virus in Denmark". Transboundary and emerging diseases. 69(5). pp. 3128–3132. <https://doi.org/10.1111/tbed.14405>
- ALSAAD, K.M., ALAUTAISH, H.H.N., ALAMERY, M.A.Y. (2017). "Congenital Arthrogryposis-Hydranencephaly Syndrome Caused by Akabane Virus in Newborn Calves of Basrah Governorate, Iraq". Veterinary World. 10(9). pp. 1143–1148. DOI: <https://doi.org/10.14202%2Fvetworld.2017.1143-1148>
- ANSES (2014). "Maladie à virus Schmallenberg" - Anses.
- BEEVER, J.E., MARRON, B.M. (2012). "Screening for the genetic defect causing tibial hemimelia in bovines". Agrigenomics Inc, assignee. US patent 20090239212
- BENESCH, F. (1963). Tratado de Obstetricia y Ginecología Veterinaria. Barcelona. Editorio: Labor. pp. 853.
- BEZERRA, J.J.L., PINHEIRO, A.A.V., LUCENA, R.B. (2021). "Phytochemistry and teratogenic potential of Mimosa tenuiflora (willd.) poir. (Fabaceae) in ruminants: A systematic review". Toxicon. 195. pp. 78-85. DOI: <https://doi.org/10.1016/j.toxicon.2021.03.010>
- BINNS, W., KEELER, RF., DELL BALLS, L. (1972). "Congenital Deformities in Lambs, Calves, and Goats Resulting from Maternal Ingestion of Veratrum californicum; Hare Lip, Cleft Palate, Ataxia, and Hypoplasia of Metacarpal and Metatarsal Bones". Clinical Toxicology. 5(2). pp. 245-261. DOI: <https://doi.org/10.3109/15563657208991003>
- BLOOD, D.C. (1956). "Arthrogryposis and hydranencephaly in newborn Calves". Australian Veterinary Journal. 32(6). pp. 125-131. DOI: <http://dx.doi.org/10.1111/j.1751-0813.1956.tb05635.x>
- BUITKAMP, J., JOERDIS, S., GOETZ, K.U. (2011). "Arachnomelia syndrome in Simmental cattle is caused by a homozygous 2-bp deletion in the molybdenum cofactor synthesis step 1 gene (MOC51)". BMC Genet. 12:11. DOI: <https://doi.org/10.1186/1471-2156-12-11>
- BUNCH, T.D., PANTER, K.E., JAMES, L.F. (1992). "Ultrasound studies of the effects of certain poisonous plants on uterine function and fetal development in livestock." J. Anim. Sci. 70(5). pp. 1639-1643. DOI: <https://doi.org/10.2527/1992.7051639x>
- CAVANAGH, J., TAMMEN, I., WINDSOR, P., et al. (2007). "Bulldog dwarfism in Dexter cattle is caused by mutations in ACAN". Mamm Genome. 18(11). pp. 808–814. DOI: <https://doi.org/10.1007/s00335-007-9066-9>



- CHARLIER, C., AGERHOLM, J.S., COPPIETERS, W., et al. (2012). "A deletion in the bovine FANCI gene compromises fertility by causing fetal death and brachyspina". *PLoS One*. 7(8):e43085. DOI: <https://doi.org/10.1371/journal.pone.0043085>
- DE AMICIS, I., VERONESI, M.C., ROBBE, D., et al. (2017). "Prevalence, causes, resolution and consequences of bovine dystocia in Italy". *Theriogenology*. 107. pp. 104-108. DOI: <https://doi.org/10.1016/j.theriogenology.2017.11.001>
- DITTMER, K.E., THOMPSON, K.G. (2015). "Approach to Investigating Congenital Skeletal Abnormalities in Livestock". *Veterinary Pathology*. 52(5). pp. 851-861. DOI: <https://doi.org/10.1177/0300985815579999>
- GEHRKE, M., BLASZAK, B., STACHOWIA, M. et al. (2019). "Amorphous Globosus Foetuses in Polish Holstein Cattle: Anatomical, Histological, and Genetic Studies". *Journal of Veterinary Research*. 63(3). pp. 391-398. DOI: <https://doi.org/10.2478/jvetres-2019-0057>
- GOIS, D.D., SOUSA, A.V., SOUSA BARBOSA, F.M. et al. (2020). "Congenital Hepatic Fibrosis Associated with Ascites in a Nellore Calf". *Ciência Rural*. 50(5). DOI: <http://dx.doi.org/10.1590/0103-8478cr20190511>
- GREEN BT, LEE ST, PANTER KE, BROWN DR. (2012). "Piperidine alkaloids: human and food animal teratogens". *Food Chem Toxicol*. 50(6). pp.2049-2055. DOI: <https://org.com/10.1016/j.fct.2012.03.049> .
- GREENE, H.J., LEIPOLD, H.W., HUSTON, K., et al. (1973). "Congenital defects in cattle". *Irish Vet. J*. 27. pp. 37-45.
- HANSEL, S.L., SPEARS, J.W. (2006). "Feeding a low manganese diet to heifers during gestation impairs fetal growth and development". *Journal of Dairy Science*. 89(11). pp. 4305-4311. DOI: [https://doi.org/10.3168/jds.s0022-0302\(06\)72477-8](https://doi.org/10.3168/jds.s0022-0302(06)72477-8)
- HANSON, R.R. (2022). "Congenital and Inherited Anomalies of the Musculoskeletal System in Cattle". *MSD Veterinary Manual*. Disponible en: <https://www.msdsvetmanual.com/musculoskeletal-system/congenital-and-inherited-anomalies-of-the-musculoskeletal-system/congenital-and-inherited-anomalies-of-the-musculoskeletal-system-in-multiple-species> (Ultimo Acceso: 17/11/2023).
- HARTLEY, W.J., WANNER, R.A. (1974). "Bovine congenital arthrogryposis in New South Wales". *Australian Veterinary Journal*, 50(5), pp. 185-188. DOI: <https://doi.org/10.1111/j.1751-0813.1974.tb02361.x>
- HIRAGA, T., DENNIS, S.M. (1993). "Congenital duplication". *Vet Clin North Am Food Anim Pract*. 9(1). pp. 145-161. DOI: [https://doi.org/10.1016/s0749-0720\(15\)30678-2](https://doi.org/10.1016/s0749-0720(15)30678-2)
- HIRANO, T., MATSUHASHI, T., KOBAYASHI, N., et al. (2012). "Identification of an FBN1 mutation in bovine Marfan syndrome-like disease". *Anim Genet*. 43(1). pp. 11-17. DOI: <https://doi.org/10.1111/j.1365-2052.2011.02209.x>
- HOPPER, R.M. (2021). *Bovine Reproduction - 2nd edition*. ed. John Wiley & sons, Inc., pp. 599-600; 673-674; 844-859. DOI: <https://doi.org/10.1002/9781119602484>
- INSTITUT DE L'ELEVAGE (2000). *Maladies des bovins - 3ème édition*. Editions France Agricole, pp. 290-305.
- JACINTO, J. G. P., HÄFLIGER, I. M., LETKO, A., et al. (2020). "A large deletion in the COL2A1 gene expands the spectrum of pathogenic variants causing bulldog calf syndrome in cattle". *Acta veterinaria Scandinavica*. 62(1). pp. 49. DOI: <https://doi.org/10.1186/s13028-020-00548-w>



JACINTO, J.G.P., HÄFLIGER, I.M., MCEVOY, F.J., et al. (2021). "A De Novo Mutation in COL1A1 in a Holstein Calf with Osteogenesis Imperfecta Type II". *Animals : an open access journal from MDPI*. 11(2). pp. 561. <https://doi.org/10.3390/ani11020561>

JACINTO, J.G.P., HÄFLIGER, I.M., LETKO, A., et al. (2024). "Multiple independent de novo mutations are associated with the development of schistosoma reflexum, a lethal syndrome in cattle". *Veterinary journal (London,England:1997)*, 304, 106069. <https://doi.org/10.1016/j.tvjl.2024.106069>

JAMES, L.F., PANTER, K.E., NIELSEN, D.B., et al. (1992). "The effect of natural toxins on reproduction in livestock". *J. Anim. Sci.* 70(5). pp. 1573-1579. DOI: <https://doi.org/10.2527/1992.7051573x>

KARAKAYA, E., ALPAY, G., YILMAZBAS-MECITOGLU, G., et al. (2013). "Perosomus elumbis in a Holstein calf infected with bovine viral diarrhea virus". *Tierärztliche Praxis. Ausgabe G, Grosstiere/Nutztiere*. 41(6). pp. 387-391. Disponible en : <https://pubmed.ncbi.nlm.nih.gov/24326794/> (Ultimo acceso: 18/02/2024).

KEELER, R.F. (1984). "Teratogens in plants". *J. Anim. Sci.*, 58(4), pp. 1029-1039. DOI: <https://doi.org/10.2527/jas1984.5841029x>

KIRKLAND, P.D. (2020). "Akabane and related simbu serogroup virus infections in ruminants". MSD VET MANUALS, Disponible en: <https://www.msdsvetmanual.com/generalized-conditions/congenital-and-inherited-anomalies/akabane-and-related-simbu-serogroup-virus-infections-in-ruminants#:~:text=Akabane%20and%20Related%20Simbu%20Serogroup%20Virus%20Infections%20in%20Ruminants,-By&text=Akabane%20and%20related%20Simbu%20serogroup%20viruses%20are%20transmitted%20to%20ruminants,by%20antibody%20testing%20or%20PCR>. (Ultimo acceso: 17/11/2023).

KOLTES, J.E., MISHRA, B.P., KUMAR, D., et al. (2009). "A nonsense mutation in cGMP-dependent type II protein kinase (PRKG2) causes dwarfism in American Angus cattle". *Proc Natl Acad Sci U S A*. 106(46). pp. 19250-19255. DOI: <https://doi.org/10.1073/pnas.0904513106>

KONNO, S., MORIWAKI, M., NAKAGAWA, M. (1982). "Akabane Disease in Cattle: Congenital Abnormalities Caused by viral infection, Spontaneous disease". *Vet Pathol*. 19(3). pp. 246-266. DOI: <https://doi.org/10.1177/030098588201900304>

LAUGHTON, K.W., FISHER, K.R.S., HALINA, W.G. (2005). "Schistosomus Reflexus Syndrome: A Heritable Defect in Ruminants". *Anat. Histol. Embryol.: Journal of Veterinary Medicine Series C*. 34(5). pp. 312-318. DOI: <https://doi.org/10.1111/j.1439-0264.2005.00624.x>

LEIPOLD, H.W., DENNIS, S.M. (1972). "Diprosopus in newborn calves". *Cornell Vet*. 62(2). pp. 282-288. PMID: 5023995

LEIPOLD, H.W., DENNIS, S.M., HUSTON, K. (1972b). "Embryonic duplications in cattle". *Cornell Vet*. 65(4). pp. 572-580. PMID: 5077536

LEIPOLD, H.W. (1996). "Congenital defects and hereditary disorders in ruminants". SMITH BP. *Large animal internal medicine*. 2nd ed., Ed. Mosby. pp. 1719-1770.

LUEDKE, A.J., JOCHIM, M.M., JONES, R.H. (1977). "Bluetongue in cattle: effects of Culicoides variipennis transmitted bluetongue virus on pregnant heifers and their calves". *Am. J. Vet. Res.*, 38(11). pp. 1687-1695. PMID: 201192

MEE, J.F., MURPHY, M., CURRAN, M. (2023). "Bovine Congenital defects recorded by veterinary practitioners". *Reproduction in domestic animals*. 59(1). e14501. DOI: <https://doi.org/10.1111/rda.14501>



MEYER, S.N., MCDANELD, T.G., SWIST, S.L., et al. (2010). "A deletion mutation in bovine SLC4A2 is associated with osteopetrosis in Red Angus cattle". BMC Genomics. 11:337. DOI: <https://doi.org/10.1186/1471-2164-11-337>

MORATH-HUSS, U., DRÖGEMÜLLER, C., STOFFEL, M. et al. (2019). "Polymelia in a Chimeric Simmental Calf: Nociceptive Withdrawal Reflex, Anaesthetic and Analgesic Management, Anatomic and Genetic Analysis". BMC Veterinary Research. 15(1). pp. 102. DOI: <https://doi.org/10.1186/s12917-019-1846-4>

MURGIANO, L., JAGANNATHAN, V., BENAZZI, C., et al. (2014). "Deletion in the EVC2 gene causes chondrodysplastic dwarfism in Tyrolean grey cattle". PLoS One. 9(4):e94861. DOI: <https://doi.org/10.1371/journal.pone.0094861>

NEOGY, M., NEOGY, S., UPADHYAY, S.N., et al. (2014). "A case of congenital hydrocephalus in a calf and its successful recovery". Explor Anim Med Res. 4(2). pp. 253-256.

NOAKES, D.E., PARKINSON, T.J., ENGLAND, G.C.W. (2019). Veterinary Reproduction and Obstetrics, 10th edition. Elsevier. 3. pp. 274-275.

NOURANI, H., KARIMI, I., RAJABI VARDANJANI, H. (2014). "Synophthalmia in a Holstein cross calf". Veterinary research forum: an international quarterly journal. 5(4), pp. 333-335. PMID: PMC4300002.

PARISH, J., KARISCH, B.B. (2023). "Managing genetic defects in beef cattle herds". Mississippi State University Extension Service, Disponible en: <https://extension.msstate.edu/sites/default/files/publications/publications/p2622.pdf> (Ultimo Acceso: 10/11/2023).

PEPIN, M., LAABERKI, M.H. (2014). "Les anomalies congénitales d'origine infectieuse chez les ruminants". EXPERT Synthèse. Point Vétérinaire. pp. 62-67.

POHLMAYER, K. (1974). "Notomelie beim Kalb". Dtsch Tierärztl Wschr. 82. pp. 181-220.

QIU, Q., SHAO, T., HE, Y., et al. (2018). "Applying real-time quantitative PCR to diagnosis of freemartin in Holstein cattle by quantifying SRY gene: a comparison experiment". PeerJ. 6. e4616. DOI: <https://doi.org/10.7717/peerj.4616>

RADOSTITS, O.M., GAY, C.C., BLOOD, D.C., et al. (2000). Veterinary medicine. London, W.B. Saunders Company Ltd, pp. 120-125;

RODER, J.D. (2002). Manual de toxicología veterinaria. Editores: San Cugat del Vallès (Barcelona). pp. 121.

ROBERTS, S.J. (1971). Veterinary Obstetrics and Genital Diseases - 2nd. ed. Edwards Brothers, Ann Arbor, Michigan.

SAMEER, M.A., RAJADURAI, A., ARUL, V. et al. (2020). "Surgical Management of Dystocia due to Fetal Emphysema in a Crossbred Cow". Journal of Entomology and Zoology Studies. 8(2). pp. 1704-1705.

SARTELET, A., STAUBER, T., COPPIETERS, W., et al. (2014). "A missense mutation accelerating the gating of the lysosomal Cl-/H₂O-exchanger CIC-7/Ostm1 causes osteopetrosis with gingival hamartomas in cattle". Dis Model Mech. 7(1). pp. 119-128. DOI: <https://doi.org/10.1242/dmm.012500>

SCHALLES, R.R., LEIPOLD, H.W., MC CRAW, R.L. (2014). "Congenital Defects in Cattle". Beef Cattle Handbook, Western Beef Resource Committee Third Edition, University of Wisconsin Extension. Disponible en: <https://www.iowabeefcenter.org/bch/CongenitalDefectsCattle.pdf> (Ultimo Acceso: 15/11/2023).

SCHNEEVOIGT, J., BAHRAMSOLTANI, M., GERLACH, K., et al. (2013). "Parapagus Conjoined Twin Calf: A Case Study - Focused on CT and Cardiac Abnormalities". *Anat., Histol., Embryol.* 43(1), pp. 64–70. DOI: <https://doi.org/10.1111/ahe.12058>

SHUPE, J.L., JAMES, L.F., BINNIS, W. (1967). "Observations on crooked calf disease". *Journal of the American Veterinary Medical Association.* 151(2), pp. 191–197.

SPRAKE, P. (2015). "Diseases of the bones, joints and connective tissues". Smith, B.P. (ed), *Large Animal Internal Medicine*. St. Louis: Elsevier Mosby. pp. 1197-1266. DOI: <http://dx.doi.org/10.1016/B978-0-323-55445-9.00038-0>

ŠVARA, T., COCIANCICH, V., ŠEST, K. et al. (2015). "Pulmonary Hypoplasia and Anasarca Syndrome in Cika Cattle". *Acta Veterinaria Scandinavica.* 58(1). pp.36. DOI: <https://doi.org/10.1186/s13028-016-0220-9>

TAKEDA, H., TAKAMI, M., OGUNI, T., et al. (2002). "Positional cloning of the gene LIMBIN responsible for bovine chondrodysplastic dwarfism". *Proc Natl Acad Sci USA.* 99(16). pp. 10549–10554. DOI: <https://doi.org/10.1073/pnas.152337899>

THOMSEN, B., HORN, P., PANITZ, F., et al. (2006). "A missense mutation in the bovine SLC35A3 gene, encoding a UDP-N-acetylglucosamine transporter, causes complex vertebral malformation". *Genome Res.* 16(1). pp. 97–105. DOI: <https://doi.org/10.1101/gr.3690506>

VATTI, G. (1969). *El parto patológico*. Vatti, G. *Ginecología y Obstetricia Veterinaria*. 3a ed. México, Hispanoamericana. pp. 350-434.

VEGAD, J.L. (2007). *Textbook of Veterinary general pathology*. 2nd edition. International book distribution Company.

WEBER, J., RUDOLPH, N., FREICK, M. (2017). „Facets of Clinical Appearance and Aetiology in an Unusual Bovine Amorphus Globosus." *Anat Histol Embryol.* 46(5). pp. 502-506. DOI: <https://doi.org/10.1111/ahe.12286>

WINDSOR, P., CAVNAGH, J., TAMMEN, I. (2006). "Hydrops fetalis associated with pulmonary hypoplasia in Dexter calves". *Australian Veterinary Journal.* 84(8). pp. 278-281. DOI: <https://doi.org/10.1111/j.1751-0813.2006.00018.x>

WHITLOCK, A.K., COFFMAN, E.A. (2014). "Heritable Congenital defects in cattle". *Bovine reproduction*. chapter 66. DOI: <https://doi.org/10.1002/9781118833971.ch66>

ZOBEL, R. (2011). "Amorphus globosus and freemartinism in triplets from a holstein-friesian cow – A case report." *Theriogenology Insight - An International Journal of Reproduction in all Animals.* 1. pp. 105-110

