

Anatomía y fisiología de la piel y procesos patológicos cutáneos

Lecturas recomendadas

Lecturas recomendadas del tutor

1. Miller-Griffin-Campbell. Dermatología en pequeños animales. 7ª Edición. Ed. Intermedica.
2. Mecklenburg – Linek – Tobin. Pérdida de pelo en los animales domésticos. Ed. Intermédica. 2011.
3. Bensignor, E. Dermatología de los NAC. Servet. 2010.
4. Lee Gross – Ihrke – Walder – Affolter. Skin diseases of the dog and cat. Clinical and histopathologic diagnosis. Blackwell 2005
5. Machicote, G. Prurito en perros y gatos. Servet 2021.
6. Day, M. Inmunología clínica del perro y el gato. Manson 2012
7. Tizard, I. Inmunología veterinaria. X Ed. Elsevier 2018.
8. Noli – Ghibaud. Dermatología clínica y microscópica del perro y el gato. Servet 2010.
9. Rios – Verde – Yotti. Dermatología clínica en el perro y en el gato. Multimedica Ed Veterinarias. 2021.

Lecturas recomendadas del autor (UK):

1. Berth-Jones J, Exton L, Ladoyanni E, Mohd Mustapa M, Tebbs V, Yesudian P & Levell N (2019) British Association of Dermatologists guidelines for the safe and effective prescribing of oral ciclosporin in dermatology 2018. British Journal of Dermatology 180: 1312-1338. doi: 10.1111/bjd.17587 (Aceso restringido).
2. Matousek JL & Campbell KL (2002) A comparative review of cutaneous pH. Veterinary Dermatology 13: 293-300. doi 10.1046/j.1365-3164.2002.00312.x (Not Open Access).
3. Schlake A, Devriendt N, Talloen L, Dadi TB & De Rooster H (2021) Influence of age, sex, body condition score, rectal temperature, anatomical location and hair on skin pH in dogs. Veterinary Dermatology. doi 10.1111/vde.13011 (Not Open Access).
4. Levy BJ, Mamo LB & Bizikova P (2020) Detection of circulating anti-keratinocyte autoantibodies in feline pemphigus foliaceus. Veterinary Dermatology 31; 378-e100. doi 10.1111/vde.12861 (Not Open Access).
5. Medeiros GX & Riet-Correa F (2015) Epidermolysis bullosa in animals: a review. Veterinary Dermatology 26; 3-e2. doi 10.1111/vde.12176 (Not Open Access)
6. Njaa BL, Cole LK & Tabacca N (2012) Practical otic anatomy and physiology of the dog and cat. Veterinary Clinics: Small Animal Practice 42; 1109-1126. doi 10.1016/j.cvs.2012.08.011 (Not Open Access).
7. Njaa BL. The Ear (chapter 20). In: Zachary JF & McGavin MD (eds.) (2016) Pathologic Basis of Veterinary Disease (6th ed. pp. 1223-1264). Mosby, St Louis, MO, USA. doi 10.1016/B978-0-323-35775-3.00020-5.
8. Tobin DJ (2009) Ontogeny of the hair follicle. In: Hair Loss Disorders in Domestic Animals, Mecklenburg L, Linek M & Tobin DJ (Eds.). John Wiley & Sons, Chichester, UK. doi 10.1111/j.1365-3164.2009.00846.x.

9. Welle MM, Wiener DJ (2016) The Hair Follicle: A Comparative Review of Canine Hair Follicle Anatomy and Physiology. *Toxicologic Pathology* 44: 564-574. doi: 10.1177/0192623316631843 (Free Access Article).
10. Hargis AM & Myers S (2017) The Integument. In: *Pathologic Basis of Veterinary Disease*. Elsevier, Philadelphia, PA, USA. pp 1009–1146.e1. Doi .org/10.1016/B978-0-323-35775-3.00017-5 (Access available for as long as the COVID-19 resource centre remains active).
11. Bradley CW, Cain CL, Wong TS, Ferracone JD, Goldschmidt KH & Mauldin EA (2019) Discriminatory features of acute eosinophilic dermatitis with oedema (Wells-like syndrome) and sterile neutrophilic dermatosis (Sweet's-like syndrome) in dogs. *Veterinary Dermatology* 30: 517-e157. doi: 10.1111/vde.12789. (Not Open Access)
12. Gross TL, Stannard AA & Yager JA (1997) An anatomical classification of folliculitis. *Veterinary Dermatology* 8: 147-156. Doi: 10.1046/j.1365-3164.1997.d01-14.x (Not Open Access).
13. Gross TL, Olivry T & Tobin D (2000) Morphologic and immunologic characterization of a canine isthmus mural folliculitis resembling pseudopelade of humans. *Veterinary Dermatology* 11; 17-24. Doi 10.1046/j.1365-3164.2000.00150.x (Not Open Access)
14. van Zuuren EJ, Fedorowicz Z, Christensen R, Lavrijsen APM & Arents BWM (2017) Emollients and moisturisers for eczema. *Cochrane Database of Systematic Reviews Issue 2*. Art. No. CD012119. doi: 10.1002/14651858.CD012119.pub2 (Not Open Access).
15. Bamford JTM, Ray S, Musekiwa A, van Gool C, Humphreys R & Ernst E (2013) Oral evening primrose oil and borage oil for eczema. *Cochrane Database of Systematic Reviews Issue 4*. Art. No. CD004416. doi: 10.1002/14651858.CD004416.pub2. (Not Open Access).
16. Olivry T, DeBoer DJ, Favrot C. et al. (2015) Treatment of canine atopic dermatitis: 2015 updated guidelines from the International Committee on Allergic Diseases of Animals (ICADA). *BMC Veterinary Research* 11, 210. doi: 10.1186/s12917-015-0514-6.
17. Olivry T, DeBoer DJ, Favrot C, Jackson HA, Mueller RS, Nuttal T & Prelaud P. Treatment of canine atopic dermatitis: 2015 updated guidelines from the International Committee on Allergic Diseases of Animals (ICADA). © Olivry T, DeBoer DJ, Favrot C, Jackson HA, Mueller RS, Nuttal T, Prelaud P 2015. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://bmcvetres.biomedcentral.com/articles/10.1186/s12917-015-0514-6>
18. Wollenberg A, Thomsen SF, Lacour JP, Jaumont X & Lazarewicz S. Targeting immunoglobulin E in atopic dermatitis: A review of the existing evidence. © Wollenberg A, Thomsen SF, Lacour JP, Jaumont X & Lazarewicz S. 2021 © 1969, Elsevier. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://www.sciencedirect.com/science/article/pii/S1939455121000132>
19. Leonard BC, Affolter VK & Bevins CL (2012) Antimicrobial peptides: agents of border protection for companion animals. *Veterinary Dermatology* 23: 177-e36. Doi: 10.1111/j.1365-3164.2012.01037.x (Free Access).

20. Hill PB & Imai A (2016) The immunopathogenesis of staphylococcal skin infections - A review. *Comparative Immunology, Microbiology and Infectious Diseases* 49: 8-28. doi: 10.1016/j.cimid.2016.08.004. (Not Open Access).
21. *Veterinary Immunology- Principles and Practice*, 2nd Edition. Michael J. Day & Ronald D. Schultz. ISBN 9781482224627; 2014, CRC Press, Boca Raton, FL, USA. Especially chapter 8. doi.org/10.1201/b16892.
22. *Veterinary Immunology*, 10th Edition. Ian Tizard; Paperback ISBN 9780323523493; eBook ISBN 9780323523486; Imprint of Saunders, St Louis, MO, USA.
23. Sugita K & Akdis CA (2020) Recent developments and advances in atopic dermatitis and food allergy. *Allergology International* 69: 204-214. doi: 10.1016/j.alit.2019.08.013.
24. Sugita K & Akdis CA. Recent developments and advances in atopic dermatitis and food allergy. © Sugita K & Akdis CA 2020 © 2020 by Japanese Society of Allergology. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://www.sciencedirect.com/science/article/pii/S1323893019301595?via%3Dihub>
25. Stefanovic N, Irvine AD & Flohr C. (2021) The Role of the Environment and Exposome in Atopic Dermatitis. *Current Treatment Options in Allergy* 21: 222–241. doi: 10.1007/s40521-021-00289-9.
26. Stefanovic N, Irvine AD & Flohr C. The Role of the Environment and Exposome in Atopic Dermatitis. © Stefanovic N, Irvine AD & Flohr C. 2021.

This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at

<https://link.springer.com/article/10.1007/s40521-021-00289-9>

27. Olivry T & Mueller RS (2019) Critically appraised topic on adverse food reactions of companion animals (7): signalment and cutaneous manifestations of dogs and cats with adverse food reactions. *BMC Veterinary Research* 15: 140. doi: 10.1186/s12917-019-1880-2.
28. Olivry T & Mueller RS. Critically appraised topic on adverse food reactions of companion animals (7): signalment and cutaneous manifestations of dogs and cats with adverse food reactions. © Olivry T & Mueller RS 2019. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://bmcvetres.biomedcentral.com/articles/10.1186/s12917-019-1880-2>
29. Mueller RS & Unterer S (2018) Adverse food reactions: Pathogenesis, clinical signs, diagnosis and alternatives to elimination diets. *Veterinary Journal* 236: 89-95. doi: 10.1016/j.tvjl.2018.04.014. (Not Open Access)
30. Rostaher A, Hofer-Inteeworn N, Kümmerle-Fraune C, Fischer NM & Favrot C (2017) Triggers, risk factors and clinico-pathological features of urticaria in dogs - a prospective observational study of 24 cases. *Veterinary Dermatology* 28: 38-e9. doi: 10.1111/vde.12342. (Free Access).
31. Wollenberg A, Thomsen SF, Lacour JP, Jaumont X & Lazarewicz S (2021) Targeting immunoglobulin E in atopic dermatitis: A review of the existing evidence. *The World Allergy Organisation Journal* 14: 100519. doi: 10.1016/j.waojou.2021.100519.

32. Stokking LB & Campbell KL (2004) Disorders of Pigmentation. In: Small Animal Dermatology Secrets. Campbell KL ed. Hanley & Belfus (Elsevier) Philadelphia, PA, USA. Chapter 48, pp352-363. Doi: 10.1016/B978-1-56053-626-0.X5001-0
33. Wilkinson HN & Hardman MJ (2020) Wound healing: cellular mechanisms and pathological outcomes. Open Biology 10: 200223. Doi: 10.1098/rsob.200223.
34. Wilkinson HN & Hardman MJ. Wound healing: cellular mechanisms and pathological outcomes. ©Wilkinson HN & Hardman MJ, 2020. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://royalsocietypublishing.org/doi/full/10.1098/rsob.200223>
35. Martin P & Nunan R (2015) Cellular and molecular mechanisms of repair in acute and chronic wound healing. British Journal of Dermatology 173: 370-378. Doi: 10.1111/bjd.13954.
36. Martin P & Nunan R. Cellular and molecular mechanisms of repair in acute and chronic wound healing. ©Martin P & Nunan R, 2015 British Journal of Dermatology published by John Wiley & Sons Ltd on behalf of British Association of Dermatologists. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://onlinelibrary.wiley.com/doi/full/10.1111/bjd.13954>.
37. Swaim SF (1997) Advances in wound healing in small animal practice: current status and lines of development. Veterinary Dermatology 8: 249-257. doi: 10.1111/j.1365-3164.1997.tb00271.x (Not Open Access).
38. Lux CN (2021) Wound healing in animals: a review of physiology and clinical evaluation. Veterinary Dermatology In press. doi: 10.1111/vde.13032 (Not Open Access).
39. Munday JS & Thomson NA (2021) Papillomaviruses in Domestic Cats. Viruses 13: 1664. doi: 10.3390/v13081664.
40. Munday JS & Thomson NA. Papillomaviruses in Domestic Cats. © Munday JS & Thomson NA, 2021. © 1996-2021 MDPI (Basel, Switzerland). This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://www.mdpi.com/1999-4915/13/8/1664>.
41. Munday JS & Kiupel M (2010) Papillomavirus-associated cutaneous neoplasia in mammals. Veterinary Pathology 47: 254-264. doi: 10.1177/0300985809358604. (Free Access).
42. Munday JS, Thomson NA & Luff JA (2017) Papillomaviruses in dogs and cats. Veterinary Journal 225: 23-31. doi: 10.1016/j.tvjl.2017.04.018. (Not Open Access).
43. Murphy S (2013) Cutaneous squamous cell carcinoma in the cat: current understanding and treatment approaches. Journal of Feline Medicine & Surgery 5: 401-407. doi: 10.1177/1098612X13483238. (Not Open Access).
44. Doorbar J, Egawa N, Griffin H, Kranjec C & Murakami I (2015) Human papillomavirus molecular biology and disease association. Reviews in Medical Virology 25 (Suppl 1): 2-23. doi: 10.1002/rmv.1822.
45. Doorbar J, Egawa N, Griffin H, Kranjec C & Murakami I. Human papillomavirus molecular biology and disease association. © Doorbar J, Egawa N, Griffin H, Kranjec C & Murakami I. Reviews in Medical Virology Published by John Wiley & Sons, Ltd., 2015. This work is subject to a creative commons license including a

disclaimer of warranties. The work and terms of the license can be found at <https://onlinelibrary.wiley.com/doi/full/10.1002/rmv.1822>

46. Harden ME & Munger K (2017) Human papillomavirus molecular biology. Mutation research. Reviews in Mutation Research 772: 3-12. doi: 10.1016/j.mrrev.2016.07.002. (Not Open Access).
47. Wood CJ, Selmic LE, Schlag AN, Bacmeister C, Séguin B, Culp WT et al. (2020) Biological behaviour and clinical outcome in 42 cats with sarcoids (cutaneous fibropapillomas). Veterinary and Comparative Oncology 18: 699-705. doi: 10.1111/vco.12598 (Not Open Access).
48. Tamlin VS, Bottema CD & Peaston AE (2019) Comparative aspects of mast cell neoplasia in animals and the role of KIT in prognosis and treatment. Veterinary Medicine and Science 6: 3-18. doi: 10.1002/vms3.201.
49. Tamlin VS, Bottema CD & Peaston AE. Comparative aspects of mast cell neoplasia in animals and the role of KIT in prognosis and treatment.

© Tamlin VS, Bottema CD & Peaston AE Veterinary Medicine and Science Published by John Wiley & Sons Ltd, 2019. This work is subject to a creative commons license including a

disclaimer of warranties. The work and terms of the license can be found at

<https://onlinelibrary.wiley.com/doi/full/10.1002/vms3.201>.

50. Azuma K, Ohmi A, Goto-Koshino Y, Tomiyasu H, Ohno K, Chambers JK et al. (2021) Outcomes and prognostic factors in canine epitheliotropic and nonepitheliotropic cutaneous T-cell lymphomas. Veterinary and Comparative Oncology doi: 10.1111/vco.12752. (Not Open Access).
51. Chan CM, Frimberger AE & Moore AS (2018) Clinical outcome and prognosis of dogs with histopathological features consistent with epitheliotropic lymphoma: a retrospective study of 148 cases (2003-2015). Veterinary Dermatology 29: 154-e59. doi: 10.1111/vde.12504. (Not Open Access).
52. Gerber N, Brunner MAT, Jagannathan V, Leeb T, Gerhards NM, Welle MM et al. (2021) Transcriptional Differences between Canine Cutaneous Epitheliotropic Lymphoma and Immune-Mediated Dermatoses. Genes (Basel) 12: 160. doi: 10.3390/genes12020160.
53. Gerber N, Brunner MAT, Jagannathan V, Leeb T, Gerhards NM, Welle MM & Dettwiler M. Transcriptional Differences between Canine Cutaneous Epitheliotropic Lymphoma and Immune-Mediated Dermatoses. © Gerber N, Brunner MAT, Jagannathan V, Leeb T, Gerhards NM, Welle MM & Dettwiler M, 2021. © 1996-2021 MDPI (Basel, Switzerland). This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://www.mdpi.com/2073-4425/12/2/160>
54. Pariser MS & Gram DW (2014) Feline cutaneous lymphocytosis: case report and summary of the literature. Journal of Feline Medicine & Surgery 16: 758-63. doi: 10.1177/1098612X14545275. (Not Open Access).
55. Rook KA (2019) Canine and Feline Cutaneous Epitheliotropic Lymphoma and Cutaneous Lymphocytosis. Veterinary Clinics of North America: Small Animal Practice 49: 67-81. doi: 10.1016/j.cvsm.2018.08.007. (Not Open Access).
56. Rigas K, Monti P, Di Palma S & Verganti S (2021) Sézary syndrome with CD3+CD4+CD8- immunophenotype in a Bichon Frise. Veterinary Record Case Reports 9: e93. Doi: 10.1002/vrc2.93.

57. Rigas K, Monti P, Di Palma S & Verganti S. Sézary syndrome with CD3+CD4+CD8– immunophenotype in a Bichon Frise. ©2021 Animal Health Trust. Veterinary Record Case Reports published by John Wiley & Sons Ltd on behalf of British Veterinary Association. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://bvajournals.onlinelibrary.wiley.com/doi/full/10.1002/vrc2.93>.
58. Fonseca-Alves CE, Ferreira Ê, de Oliveira Massoco C, Strauss BE, Fávoro WJ, Durán N et al. (2021) Current Status of Canine Melanoma Diagnosis and Therapy: Report From a Colloquium on Canine Melanoma Organized by ABROVET (Brazilian Association of Veterinary Oncology). *Frontiers in Veterinary Science* 8: 707025. doi: 10.3389/fvets.2021.707025.
59. Fonseca-Alves CE, Ferreira Ê, de Oliveira Massoco C, Strauss BE, Fávoro WJ, Durán N, Oyafuso da Cruz N, dos Santos Cunha SC, Castro JLC, Rangel MMM, Brunner CHM, Tellado M, dos Anjos DS, Fernandes SC, Barbosa de Nardi A, Biondi LR and Dagli MLZ. Current Status of Canine Melanoma Diagnosis and Therapy: Report From a Colloquium on Canine Melanoma Organized by ABROVET (Brazilian Association of Veterinary Oncology). © Fonseca-Alves CE, Ferreira Ê, de Oliveira Massoco C, Strauss BE, Fávoro WJ, Durán N, Oyafuso da Cruz N, dos Santos Cunha SC, Castro JLC, Rangel MMM, Brunner CHM, Tellado M, dos Anjos DS, Fernandes SC, Barbosa de Nardi A, Biondi LR and Dagli MLZ, 2021. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://www.frontiersin.org/articles/10.3389/fvets.2021.707025/full>.
60. Turek M, LaDue T, Looper J, Nagata K, Shiomitsu K, Keyerleber M et al. (2020) Multimodality treatment including ONCEPT for canine oral melanoma: A retrospective analysis of 131 dogs. *Veterinary Radiology and Ultrasound* 61: 471-480. doi: 10.1111/vru.12860. (Not Open Access).
61. Jagannathan V, Bannoehr J, Plattet P, Hauswirth R, Drögemüller C, Drögemüller M et al. (2013) A mutation in the SUV39H2 gene in Labrador Retrievers with hereditary nasal parakeratosis (HNPK) provides insights into the epigenetics of keratinocyte differentiation. *PLoS Genetics* 9: e1003848. doi: 10.1371/journal.pgen.1003848.
62. Jagannathan V, Bannoehr J, Plattet P, Hauswirth R, Drögemüller C, Drögemüller M, Wiener DJ, Doherr M, Owczarek-Lipska M, Galichet A, Welle MM, Tengvall K, Bergvall K, Lohi H, Rüfenacht S, Linek M, Paradis M, Müller EJ, Roosje P & Leeb T. A mutation in the SUV39H2 gene in Labrador Retrievers with hereditary nasal parakeratosis (HNPK) provides insights into the epigenetics of keratinocyte differentiation. © Jagannathan V, Bannoehr J, Plattet P, Hauswirth R, Drögemüller C, Drögemüller M, Wiener DJ, Doherr M, Owczarek-Lipska M, Galichet A, Welle MM, Tengvall K, Bergvall K, Lohi H, Rüfenacht S, Linek M, Paradis M, Müller EJ, Roosje P & Leeb T, 2013. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.1003848>
63. Bannoehr J, Balmer P, Stoffel MH, Jagannathan V, Gaschen V, Kühni K et al. (2020) Abnormal keratinocyte differentiation in the nasal planum of Labrador Retrievers

- with hereditary nasal parakeratosis (HNPK). PLoS One 15: e0225901. doi: 10.1371/journal.pone.0225901.
64. Bannoehr J, Balmer P, Stoffel MH, Jagannathan V, Gaschen V, Kühni K, Sayar B, Drögemüller M, Howald D, Wiener DJ, Leeb T, Welle MM, Müller EJ & Roosje PJ. Abnormal keratinocyte differentiation in the nasal planum of Labrador Retrievers with hereditary nasal parakeratosis (HNPK). Free of all copyright. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0225901>
 65. Ciccarelli S, Di Bello A, Valastro C, Leo C, Lenoci D, Rana E et al. (2019) Unilateral renal cystadenocarcinoma and nodular dermatofibrosis in a mixed-breed dog carrying a FLCN gene mutation. Veterinary Dermatology 30: 174-e54. doi: 10.1111/vde.12719 (Not Open Access).
 66. Moe L & Lium B (1997) Hereditary multifocal renal cystadeno-carcinomas and nodular dermatofibrosis in 51 German shepherd dogs. Journal of Small Animal Practice 38: 498-505. doi: 10.1111/j.1748-5827.1997.tb03306.x (Not Open Access).
 67. Metzger J, Nolte A, Uhde AK, Hewicker-Trautwein M & Distl O (2017) Whole genome sequencing identifies missense mutation in MTBP in Shar-Pei affected with Autoinflammatory Disease (SPAID). BMC Genomics 18: 348. doi: 10.1186/s12864-017-3737-z.
 68. Metzger J, Nolte A, Uhde AK, Hewicker-Trautwein M & Distl O. Whole genome sequencing identifies missense mutation in MTBP in Shar-Pei affected with Autoinflammatory Disease (SPAID). © Metzger J, Nolte A, Uhde AK, Hewicker-Trautwein M & Distl O, 2017. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://link.springer.com/article/10.1186/s12864-017-3737-z>.
 69. Moura E, Daltro SRT, Sás DM, Engracia Filho JR, Farias MR & Pimpão CT (2021) Challenges in the genetic analysis of a possible case of canine X-linked ectodermal dysplasia. Journal of Small Animal Practice doi: 10.1111/jsap.13385 (Not Open Access).
 70. Moura E, Rotenberg IS & Pimpão CT (2019) X-Linked Hypohidrotic Ectodermal Dysplasia-General Features and Dental Abnormalities in Affected Dogs Compared With Human Dental Abnormalities. Topics in Companion Animal Medicine 35: 11-17. doi: 10.1053/j.tcam.2019.03.002. (Not Open Access).
 71. O'Toole D, Häfliger IM, Leuthard F, Schumaker B, Steadman L, Murphy B, et al. (2021) X-Linked Hypohidrotic Ectodermal Dysplasia in Crossbred Beef Cattle Due to a Large Deletion in EDA. Animals (Basel) 11: 657. doi: 10.3390/ani11030657.
 72. O'Toole D, Häfliger IM, Leuthard F, Schumaker B, Steadman L, Murphy B, Drögemüller C & Leeb T. X-Linked Hypohidrotic Ectodermal Dysplasia in Crossbred Beef Cattle Due to a Large Deletion in EDA. © O'Toole D, Häfliger IM, Leuthard F, Schumaker B, Steadman L, Murphy B, Drögemüller C & Leeb T, 2021. © 1996-2021 MDPI (Basel, Switzerland). This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://www.mdpi.com/2076-2615/11/3/657>.

73. Slutsky J, Raj K, Yuhnke S, Bell J, Fretwell N, Hedhammar A et al. (2013) A web resource on DNA tests for canine and feline hereditary diseases. *Veterinary Journal* 197: 182-187. doi: 10.1016/j.tvjl.2013.02.021. (Not Open Access).
74. Casal ML, Wang P, Mauldin EA, Lin G & Henthorn PS (2017) A Defect in NIPAL4 Is Associated with Autosomal Recessive Congenital Ichthyosis in American Bulldogs. *PLoS One* 12: e0170708. doi: 10.1371/journal.pone.0170708.
75. Casal ML, Wang P, Mauldin EA, Lin G & Henthorn PS. A Defect in NIPAL4 Is Associated with Autosomal Recessive Congenital Ichthyosis in American Bulldogs. © Casal ML, Wang P, Mauldin EA, Lin G & Henthorn PS, 2017. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0170708>.
76. Leeb T, Müller EJ, Roosje P & Welle M (2017) Genetic testing in veterinary dermatology. *Veterinary Dermatology* 28: 4-e1. doi: 10.1111/vde.12309. (Not Open Access).
77. Evans JM, Noorai RE, Tsai KL, Starr-Moss AN, Hill CM, Anderson KJ et al. (2017) Beyond the MHC: A canine model of dermatomyositis shows a complex pattern of genetic risk involving novel loci. *PLoS Genetics* 2017; 13: e1006604. doi: 10.1371/journal.pgen.1006604.
78. Evans JM, Noorai RE, Tsai KL, Starr-Moss AN, Hill CM, Anderson KJ, Famula TR, Clark LA. Beyond the MHC: A canine model of dermatomyositis shows a complex pattern of genetic risk involving novel loci. © Evans JM, Noorai RE, Tsai KL, Starr-Moss AN, Hill CM, Anderson KJ, Famula TR, Clark LA, 2017. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.1006604>.
79. Bauer A, Bateman JF, Lamandé SR, Hanssen E, Kirejczyk SGM, Yee M et al. (2019) Identification of Two Independent COL5A1 Variants in Dogs with Ehlers-Danlos Syndrome. *Genes (Basel)* 10: 731. doi: 10.3390/genes10100731.
80. Bauer A, Bateman JF, Lamandé SR, Hanssen E, Kirejczyk SGM, Yee M, Ramiche A, Jagannathan V, Welle M, Leeb T & Bateman FL. Identification of Two Independent COL5A1 Variants in Dogs with Ehlers-Danlos Syndrome. © Bauer A, Bateman JF, Lamandé SR, Hanssen E, Kirejczyk SGM, Yee M, Ramiche A, Jagannathan V, Welle M, Leeb T & Bateman FL, 2019. © 1996-2021 MDPI (Basel, Switzerland). This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://www.mdpi.com/2073-4425/10/10/731>.
81. Jacinto JGP, Häfliger IM, Veiga IMB, Letko A, Benazzi C, Bolcato M et al. (2020) A Heterozygous Missense Variant in the COL5A2 in Holstein Cattle Resembling the Classical Ehlers-Danlos Syndrome. *Animals (Basel)* 10: 2002. doi: 10.3390/ani10112002.
82. Jacinto JGP, Häfliger IM, Veiga IMB, Letko A, Benazzi C, Bolcato M & Drögemüller C. A Heterozygous Missense Variant in the COL5A2 in Holstein Cattle Resembling the Classical Ehlers-Danlos Syndrome. © Jacinto JGP, Häfliger IM, Veiga IMB, Letko A, Benazzi C, Bolcato M & Drögemüller C, 2020 © 1996-2021 MDPI (Basel, Switzerland). This work is subject to a creative commons license including a

disclaimer of warranties. The work and terms of the license can be found at <https://www.mdpi.com/2076-2615/10/11/2002>.

83. Bizikova P, Pucheu-Haston CM, Eisenschenk MN, Marsella R, Nuttall T & Santoro D (2015) Review: Role of genetics and the environment in the pathogenesis of canine atopic dermatitis. *Veterinary Dermatology* 26: 95-e26. doi: 10.1111/vde.12198 (Not Open Access).
84. Ford CA, Stanfield AM, Spelman RJ, Smits B, Ankersmidt-Udy AE, Cottier K et al. (2005) A mutation in bovine keratin 5 causing epidermolysis bullosa simplex, transmitted by a mosaic sire. *Journal of Investigative Dermatology* 124: 1170-6.
85. Shaw SC, Wood JL, Freeman J, Littlewood JD & Hannant D (2004) Estimation of heritability of atopic dermatitis in Labrador and Golden Retrievers. *American Journal of Veterinary Research* 65: 1014-20. doi: 10.2460/ajvr.2004.65.1014 (Not Open Access).
86. Harvey ND, Shaw SC, Craigon PJ, Blott SC & England GCW (2019) Environmental risk factors for canine atopic dermatitis: a retrospective large-scale study in Labrador and golden retrievers. *Veterinary Dermatology* 30: 396-e119. doi: 10.1111/vde.12782 (Not Open Access).
87. Rostaher A, Dolf G, Fischer NM, Silaghi C, Akdis C, Zwickl L et al. (2020) Atopic dermatitis in a cohort of West Highland white terriers in Switzerland. Part II: estimates of early life factors and heritability. *Veterinary Dermatology* 31: 276-e66. doi: 10.1111/vde.12843. (Not Open Access).
88. Neuber A & Nuttall T (2017) Diagnostic techniques in veterinary dermatology: a manual of diagnostic techniques. Hoboken, NJ, USA: Wiley-Blackwell. See chapter 15, Genetic tests for skin diseases. pp 277-287.
89. O'Neill DG, Turgoose E, Church DB, Brodbelt DC & Hendricks A (2020) Juvenile-onset and adult-onset demodicosis in dogs in the UK: prevalence and breed associations. *Journal of Small Animal Practice* 61: 32-41. doi: 10.1111/jsap.13067.
90. O'Neill DG, Turgoose E, Church DB, Brodbelt DC & Hendricks A. Juvenile-onset and adult-onset demodicosis in dogs in the UK: prevalence and breed associations. © O'Neill DG, Turgoose E, Church DB, Brodbelt DC & Hendricks A. *Journal of Small Animal Practice* published by John Wiley & Sons Ltd on behalf of British Small Animal Veterinary Association, 2020. This work is subject to a creative commons license including a disclaimer of warranties. The work and terms of the license can be found at <https://onlinelibrary.wiley.com/doi/full/10.1111/jsap.13067>.
91. Dekel Y, Machluf Y, Stoler A, Aderet A, Baumel D, Kellerman E et al. (2017) Frequency of canine nt230(del4) MDR1 mutation in prone pure breeds, their crosses and mongrels in Israel - insights from a worldwide comparative perspective. *BMC Veterinary Research* 2017; 13: 333. doi: 10.1186/s12917-017-1251-9.
92. Dekel Y, Machluf Y, Stoler A, Aderet A, Baumel D, Kellerman E, Plotsky Y, Partouche ON, Elhalal G, Ben-Shlomo I & Bercovich D. Frequency of canine nt230(del4) MDR1 mutation in prone pure breeds, their crosses and mongrels in Israel - insights from a worldwide comparative perspective. © Dekel Y, Machluf Y, Stoler A, Aderet A, Baumel D, Kellerman E, Plotsky Y, Partouche ON, Elhalal G, Ben-Shlomo I & Bercovich D, 2017. This work is subject to a creative commons license

including a disclaimer of warranties. The work and terms of the license can be found at <https://bmcvetres.biomedcentral.com/articles/10.1186/s12917-017-1251-9>.

93. Bissonnette S, Paradis M, Daneau I & Silversides DW (2009) The ABCB1-1Δ mutation is not responsible for subchronic neurotoxicity seen in dogs of non-collie breeds following macrocyclic lactone treatment for generalized demodicosis. *Veterinary Dermatology* 20: 60-66. doi: 10.1111/j.1365-3164.2008.00731.x (Not Open Access).
94. Merola VM & Eubig PA (2018) Toxicology of Avermectins and Milbemycins (Macrocyclic Lactones) and the Role of P-Glycoprotein in Dogs and Cats. *Veterinary Clinics of North America: Small Animal Practice* 48: 991-1012. doi: 10.1016/j.cvsm.2018.07.002. (Not Open Access).
95. Mackin AJ, Riggs C, Beatty T, Mealey K, Boothe D & Archer T (2020) Excessive Cyclosporine-Associated Immunosuppression in a Dog Heterozygous for the MDR1 (ABCB1-1Δ) Mutation. *Journal of the American Animal Hospital Association* 56: 190. doi: 10.5326/JAAHA-MS-7004 (Not Open Access).