Numelvi®

Precízitás a gyakorlatban: A JAK1-szelektivitás klinikai jelentősége allergiás dermatitiszben szenvedő kutyáknál atinvicitinib (Numelvi®) kezelés esetén

Irodalom:

1. Nuttall, T. J., R. Marsella, M. R. Rosenbaum, A. J. Gonzales, and V. A. Fadok. „Update on Pathogenesis, Diagnosis, and Treatment of Atopic Dermatitis in Dogs." *J Am Vet Med Assoc* 254, no. 11 (2019): 1291-300.
2. Hill, P. B., A. Lo, C. A. Eden, S. Huntley, V. Morey, S. Ramsey, C. Richardson, D. J. Smith, C. Sutton, M. D. Taylor, E. Thorpe, R. Tidmarsh, and V. Williams. „Survey of the Prevalence, Diagnosis and Treatment of Dermatological Conditions in Small Animals in General Practice." *Vet Rec* 158, no. 16 (2006): 533-9.
3. Borgia, F., P. Custurone, F. Li Pomi, R. Cordiano, C. Alessandrello, and S. Gangemi. „Il-31: State of the Art for an Inflammation-Oriented Interleukin." *Int J Mol Sci* 23, no. 12 (2022).
4. Gentry, C. M. „Updates on the Pathogenesis of Canine Atopic Dermatitis and Feline Atopic Skin Syndrome: Part 2, the Skin Barrier, the Microbiome, and Immune System Dysfunction." *Vet Clin North Am Small Anim Pract* 55, no. 2 (2025): 173-87.
5. Roh, Youkyung S., Justin Choi, Nishadh Sutaria, Micah Belzberg, Madan M. Kwatra, and Shawn G. Kwatra. „Il-31 Inhibition as a Therapeutic Approach for the Management of Chronic Pruritic Dermatoses." *Drugs* 81, no. 8 (2021): 895-905.
6. Rook, Alain H., Kathryn A. Rook, and Daniel J. Lewis. „Interleukin-31, a Potent Pruritus-Inducing Cytokine and Its Role in Inflammatory Disease and in the Tumor Microenvironment." In *Tumor Microenvironment : The Role of Interleukins – Part B*, edited by Alexander Birbrair, 111-27. Cham: Springer International Publishing, 2021.
7. Pearson, J., R. Leon, H. Starr, S. J. Kim, J. E. Fogle, and F. Banovic. „Establishment of an Intradermal Canine Il-31-Induced Pruritus Model to Evaluate Therapeutic Candidates in Atopic Dermatitis." *Vet Sci* 10, no. 5 (2023).
8. Datsi, A., M. Steinhoff, F. Ahmad, M. Alam, and J. Buddenkotte. „Interleukin-31: The „Itchy" Cytokine in Inflammation and Therapy." *Allergy* 76, no. 10 (2021): 2982-97.
9. Oetjen, Landon K., Madison R. Mack, Jing Feng, Timothy M. Whelan, Haixia Niu, Changxiong J. Guo, Sisi Chen, Anna M. Trier, Amy Z. Xu, Shivani V. Tripathi, Jialie Luo, Xiaofei Gao, Lihua Yang, Samantha L. Hamilton, Peter L. Wang, Jonathan R. Brestoff, M. Laurin Council, Richard Brasington, András Schaffer, Frank Brombacher, Chyi-Song Hsieh, Robert W. Gereau, Mark J. Miller, Zhou-Feng Chen, Hongzhen Hu, Steve Davidson, Qin Liu, and Brian S. Kim. „Sensory Neurons Co-Opt Classical Immune Signaling Pathways to Mediate Chronic Itch." *Cell* 171, no. 1 (2017): 217-28.e13.
10. Ihle, James N., and D. Gary Gilliland. „Jak2: Normal Function and Role in Hematopoietic Disorders." *Current Opinion in Genetics & Development* 17, no. 1 (2007): 8-14.
11. Huang, I. H., W. H. Chung, P. C. Wu, and C. B. Chen. „Jak-Stat Signaling Pathway in the Pathogenesis of Atopic Dermatitis: An Updated Review." *Front Immunol* 13 (2022): 1068260.
12. Forster, S., A. Boegel, S. Despa, C. Trout, and S. King. „Comparative Efficacy and Safety of Ilunocitinib and Oclacitinib for the Control of Pruritus and Associated Skin Lesions in Dogs with Atopic Dermatitis." *Vet Dermatol* 36, no. 2 (2025): 165-76.
13. Forster, S., C. M. Trout, S. Despa, A. Boegel, D. Berger, and S. King. „Efficacy and Field Safety of Ilunocitinib for the Control of Allergic Dermatitis in Client-Owned Dogs: A Multicenter, Double-Masked, Randomised, Placebo-Controlled Clinical Trial." *Vet Dermatol* (2025).
14. Kuntz, E. A., L. Gabor, and C. E. Toutain. „Safety of Ilunocitinib Tablets (Zenrelia) after Once Daily Oral Administration in Dogs." *BMC Vet Res* 21, no. 1 (2025): 144.
15. „Freedom of Information Summary Zenrelia." 2024.
16. Fasouli, Eirini Sofia, and Eleni Katsantoni. „Jak-Stat in Early Hematopoiesis and Leukemia." *Frontiers in Cell and Developmental Biology* Volume 9 - 2021 (2021).
17. Kowalski, T., and S. Dinverno. „The Second-Generation Janus Kinase Inhibitor Atinvicitinib Is a Potent and Highly Selective Inhibitor of Jak1." Paper presented at the EUROPEAN VETERINARY DERMATOLOGY CONGRESS, Bilbao 2025.
18. Miller, J., A. Simpson, P. Bloom, A. Diesel, A. Friedeck, T. Paterson, M. Wisecup, and C. M. Yu. „2023 Aaha Management of Allergic Skin Diseases in Dogs and Cats Guidelines." *J Am Anim Hosp Assoc* 59, no. 6 (2023): 255-84.

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