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Introduction; Sources of allergens; House dust and storage mites; Human, feline, canine, equine, and other dandruffs; Feathers; Cockroach; Pollens; Mould spores

Environment and canine atopic dermatitisMites as triggers of canine atopic dermatitis flares and route of sensitization; Environmental allergen avoidance as a therapeutic tool; Choosing environmental allergens for allergen-specific immunotherapy (ASIT); Allergen specificities; Major and minor allergens; Panallergens; Non-allergenic mode of action; Conclusion; Internet sites; References; 5: The genetics of canine atopic dermatitis; Introduction; Investigating atopic dermatitis-associated genotypes; Genome-wide linkage studies; Candidate gene association studies; Genome-wide association studies Quantitative reverse transcription polymerase chain reaction (RT-PCR) Bias and false results; Genomic studies in canine atopic dermatitis; Canine atopic dermatitis is a complex disease; Microarray studies; Candidate gene studies; Genome-wide linkage studies; Genome-wide association studies; Conclusion; References; 6: Skin barrier and its role in the pathophysiology of atopic dermatitis; Introduction; Methods to determine impairment of barrier function of the canine skin; Extracellular lipids in the stratum corneum and atopic dermatitis Structure and metabolic pathway of ceramides in the epidermisReduction of ceramides in the stratum corneum in dogs with atopic dermatitis; Current evidence for aberrant filaggrin expression in dogs with atopic dermatitis; Structure and function of filaggrin in the epidermis and its role in humans and mice; Aberrant expression of filaggrin in canine atopic dermatitis-what we know so far; Other barrier abnormalities in human atopic dermatitis; Future perspectives for the investigation of cutaneous barrier function in canine atopic dermatitis; References

7: The role of bacterial agents in the pathogenesis of canine atopic dermatitis

Sommario/riassunto

The current state of knowledge on this increasingly important subject is beautifully described in this, the first truly comprehensive text of allergic diseases affecting the major veterinary species. It will be an invaluable guide to students, clinicians and researchers alike. From the Foreword by Professor Richard Halliwell, MS, PhD, VetMB, MRCVS, Dip ACVD Veterinary Allergy is the first comprehensive, high quality reference dealing with all aspects of veterinary allergy in all species and all body systems involved with allergy. Providing solid breadth and excellent dep
