

Title	IL-31 effects and immune checkpoints in Canine Allergic Conjunctivitis
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Keywords	Conjunctivitis, Allergic Canine, Immunotherapy, Interleukin-31
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Summary	<p>Canine allergic conjunctivitis (CAC) is very common in clinical practice but still lacks clear diagnostic criteria and treatment protocols. Due to disease similarity, the dog is a useful model for studying the human counterpart. Better understanding the underlying immune response would greatly benefit these patients, allowing for new therapeutic options, especially in refractory cases. Investigating the role of different interleukins may open up new perspectives in treatment. The canine monoclonal antibody lokivetmab successfully controls the pruritus in atopic dermatitis patients due to the role played by Interleukin-31, and it may also be of value in CAC. Immune checkpoint inhibitors" have opened a new era in cancer immunotherapy. The dramatic therapeutic efficacy of such molecules against cancers with poor prognosis demonstrate the efficacy of the regulatory mechanisms that they inhibit. Similar mechanisms control the activation of effector cells involved in allergy. We therefore propose to study these molecules in CAC.</p>
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Supervision	
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