

TABLE 1**Antipruritic and Anti-inflammatory Medications for Dogs**

Drug Name	Oclacitinib ¹	Lokivetmab ²	Cyclosporine ³	Glucocorticoids ⁴
Mode of action	JAK-STAT inhibitor that blocks signaling from proinflammatory and pruritogenic cytokines	Caninized monoclonal antibody that neutralizes the pruritogenic cytokine IL-31	Calcineurin inhibitor that modulates T-cell function	Influences gene expression of proinflammatory cytokines
Administration	PO q 12 hr up to 14 days, then reduce to q 24 hr	SC injection at veterinary office q 4-8 wk	PO q 24 hr	PO q 12-24 hr with taper Injectable not recommended
Time to onset	Hours	Hours to 3 days	4-6 wk	Hours
Age	>1 yr	Any	>6 mo	Any
Weight	>3 kg	Any	>1.8 kg	Any
Health restrictions	History of demodicosis History of neoplasia Serious infection	None	History of neoplasia Renal insufficiency	Congestive heart failure Diabetes mellitus Hyperadrenocorticism Hypertension
Adverse reactions	Vomiting Diarrhea Nonspecific dermal masses Demodicosis Pyoderma	Vomiting Diarrhea Lethargy Pain at injection site Rare: Hypersensitivity effects (urticaria, facial edema, anaphylaxis)	Vomiting Diarrhea Gingival hyperplasia Hirsutism Cutaneous papillomatosis Drug interactions	Polyuria/polydipsia Polyphagia Panting Obesity Muscle wasting Iatrogenic hyperadrenocorticism Congestive heart failure

JAK-STAT, Janus kinase signal transducers and activators of transcription; PO, orally; SC, subcutaneously.

1 Apoquel (oclacitinib tablet). Package insert. Zoetis, 2020.

2 Cytopoint. Package insert. Zoetis, 2015.

3 Atopica (cyclosporine capsules). Package insert. Elanco, 2020.

4 Saridomichelakis MN, Olivry T. An update on the treatment of canine atopic dermatitis. *The Vet Jour.* 2016;207:29–37.

The 2023 AAHA Management of Allergic Skin Diseases Guidelines are available at aaha.org/allergic-diseases.

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