FELINE ASTHMA AND CANINE BRONCHITIS TREATMENT PATH & DOSING GUIDELINES





Gain **Airway Control**





Ensure animal can breathe

- Immediate dilation of airways to provide respiratory relief
- · Provide injectable steroid and either inhaled or injectable bronchodilator
- Injections administered in clinic/hospital
- · Inhaled bronchodilator may be administerd in clinic or at home by owner

Clear the airways

- Reduce airway inflammation and regain control of airways
- · Provide short term course of systemic steroids
- 10-day therapy course

Introduce Inhaled Therapy

- · Taper systemic steroids while introducing inhaled steroids
- Overlap therapy for 2 weeks
- Inhaled steroids effectively target the airways for disease control without the side effects of systemic steroids

Maintain disease control

- Maintenance therapy to keep inflammation controlled and prevent exacerbations
- Daily therapy for symptom management
- · Cat owners can administer inhaled bronchodilator during flare ups from exposure to triggers

MEDICATIONS

Dexamethasone









Terbutaline

Albuterol

MEDICATIONS



Prednisone / Prednisolone

MEDICATIONS



Fluticasone

Fluticasone + salmeterol

MEDICATIONS



Fluticasone

+ salmeterol

OR DEFINITION

Fluticasone

+ salmeterol

Albuterol

 $230 \, \mu g / 21 \, \mu g$

every 12 hours

AND

Dosing Guideline

Dexamethasone 0.1-0.5 mg/kg IM or IV 0.01 mg/kg IM or SC **Terbutaline** Albuterol / 1–2 puffs, every 30 minutes salbutamol for ≤4–5 hours

Cats Dogs Dosing Guideline

Prednisolone 1.0-2.0 mg/kg every 24 hours

Prednisone 0.5-1.0 mg/kg

every 24 hours

Cats & Dogs Dosina Dogs > 20 kg (44.1 lb)≤ 20 ka (44.1 lb) Guideline Fluticasone[‡] 1 puff 1 puff 110 μg 220 µg

every 12 hours every 12 hours Fluticasone + salmeterol $115 \,\mu g / 21 \,u g$ $230 \, \mu g / 21 \, ug$ every 12 hours every 12 hours

Notes

Inhaled steroids can take 2-weeks to take effect

Cats & Dogs Dosina Dogs ≤ 20 kg (44.1 lb) > 20 kg (44.1 lb) Guideline Fluticasone[‡] 1 puff

1 puff 110 µg 220 µg every 12 hours every 12 hours Fluticasone 1 puff $1\dot{1}5 \,\mu g / 21 \,\mu g$

Albuterol / 1-2 puffs salbutamol as needed (cats)

every 12 hours

Notes

- Albuterol is a rescue medication and should not be used as mono therapy
- Canines not shown to bronchoconstrict. Little evidence albuterol is effective for canine bronchitis



· Owners unable to regain control at home should bring animal to veterinary care

Notes

- · Review environmental modifications
- Ensure pet owners understand systemic steroids are only temporary
- Owners already using inhalers who treated exacerbation with albuterol can continue with inhlaled steroid









[‡] Cats with more serious disease may require 220 µg every 12 hours

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