

# Ibuprofen Tox in Dogs Cheat Sheet

nonsteroidal anti-inflammatory (NSAID) drug

**Main adverse effects:** GI irritation. GI ulceration +/- perforation. Renal.  
**Less common:** CNS. Hematologic. Idiosyncratic hepatic.

*\* Dogs taking another NSAID or a steroid are at an increased risk of developing adverse effects.\**

## Quick Toxic Dose Intervals for Ibuprofen

> 25 to 50 mg/kg PO 

> 100 to 175 mg/kg PO 

> 400 mg/kg PO 

> 600 mg/kg PO can cause acute death

## Clinical Signs

(onset ~2 to 12 hr or more)

Include vomiting, diarrhea, abdominal pain, hematemesis, melena, hematochezia, pale mucous membranes, polydipsia, polyuria, oliguria, depression, ataxia, tremors, seizures, shock, coma.

## Treatment Guidelines

TREAT LIFE-THREATENING CLINICAL SIGNS 1ST

### Decontamination:

- If early enough, up to ~2 hours following ingestion, if asymptomatic, and if not contraindicated: apomorphine 0.01 to 0.04 mg/kg IV, SC, IM, or 0.25 mg/kg PO, or 6.25 mg tablet subconjunctivally followed by sterile saline ocular lavage post emesis.
- If not contraindicated: activated charcoal 1 to 3 g/kg PO ONCE WITH SORBITOL, can repeat WITHOUT SORBITOL at ½ the 1st dose q ~4 to 8 hr for 24 hr (enterohepatic recirculation). MONITOR FOR HYPERNATREMIA, BENEFIT MUST OUTWEIGH RISK.
- Gastric lavage if indicated.

### Supportive Care Considerations:

- IV fluid therapy (balanced electrolyte crystalloid) to help maintain perfusion, hydration, correct electrolyte disturbances, and for diuresis. MONITOR FOR FLUID OVERLOAD.
- Gastroprotectants e.g. famotidine, cimetidine, sucralfate, ranitidine, omeprazole, misoprostol.
- Consider hepatoprotectants, bland diet, ongoing renal support as indicated.

### Symptomatic Care Considerations:

- Monitor and treat: vomiting, tremors, seizures, anemia, gastrointestinal perforation, etc. *See the Vetpocket app for treatment guidelines.*
- Potential complications: aspiration, electrolyte or acid-base disturbances, etc.

### Hospitalization Time:

- ~12 to 24 hr, up to 72 hr or more with severe cases.



See the *Vetpocket app* for more detailed reference material, including diagnostics and monitoring!

