

CASE REPORT

Canine Carprofen Toxicity

Old Growth Veterinary Emergency and Critical Care (OGVECC)

Patient: Sakari (10-year-old, Female Spayed, Siberian Husky, 30 kg/66.1 lbs)

History: Owner noticed that Sakari and her canine housemate ingested 100 tablets of 100 mg carprofen at some point during the day. Sakari and the housemate were taken to a local veterinarian who induced emesis on both dogs. Sakari vomited brown fluid with pieces of plastic while the housemate only vomited bile. Sakari's kidney values were found to be increased at this time. ASPCA poison control was contacted and recommended extracorporeal therapy due to the highest possible dose of ingestion being 10,000 mg of carprofen (or 333 mg/kg). Sakari was transferred to OGVECC for hemoperfusion.

Presentation and Treatment: On presentation to OGVECC Sakari was quiet and responsive. Given that Sakari was the most likely to have ingested the carprofen and was believed to have consumed a highly toxic dose, the OGVECC team elected to initiate extracorporeal therapy. Hemoperfusion was chosen due to the molecular weight and low volume of distribution of carprofen. Sakari's hemoperfusion treatment was performed using an AimaLojic 300 ml ToxiClear column over 120 minutes, for a total of 12 blood volumes processed.

Results: Immediately following hemoperfusion treatment Sakari was bright, alert, walking outside, and eating normally. Sakari's elevated kidney values returned to normal 24 hours after presentation to OGVECC.

