

+ EMERGENCY ACTION GUIDELINES

THIS DOCUMENT IS INTENDED FOR USE AS A GUIDELINE ONLY. DOSES ARE REFERENCED AS AT THE PUBLICATION DATE. INDIVIDUAL CASES AND TOXIC DOSES MAY VARY.

SUSPECTED / CONFIRMED MOULDY FOOD/GARBAGE INGESTION SOME MYCOTOXINS CAN ALSO CAUSE LIVER FAILURE - MONITOR

ASYMPTOMATIC

INDUCE EMESIS

Emedog @0.1mg/kg SC
UNLESS CONTRAINDICATED

ADMINISTER ACTIVATED CHARCOAL (AC)

Carbodote Prime: (AC + sodium sulphate), single administration.
Due to suspected enterohepatic recirculation, this should be followed by:¹
Carbodote Repeat: (AC only), every 4-6 hours for 24-48 hours.
(Refer to packaging for instructions on how much to administer)

FUTURE MONITORING

1-2 WEEKS LATER

Consider running a blood profile if possibility of toxin affecting liver (aflatoxin)⁵
CBC, biochemistry (inc. hepatic enzymes, cholesterol, bilirubin, bile acid stimulation) and urinalysis

FUTURE MONITORING AND INVESTIGATION DEPENDING ON THE SUSPECTED TOXIN, THE LEVEL OF EXPOSURE AND PREVIOUS VALUES

ONLY IF VERY MILD SYMPTOMS

HYPERTHERMIA
EXHAUSTION
DEHYDRATION
METABOLIC ACIDOSIS (MILD)
RHABDOMYOLYSIS (RARE)

LEADING TO

SYMPTOMATIC

Clinical signs usually occur within 30 minutes, but can be delayed.^{1,2,3}

RESTLESSNESS, PANTING, EXCESSIVE SALIVATION, MILD TO MODERATE WHOLE-BODY MUSCLE TREMORS, HYPERSENSITIVITY TO EXTERNAL STIMULI (TOUCH/NOISE), SEIZURES, NYSTAGMUS, ATAXIA, VOMITING, DIARRHOEA, COLLAPSE, TACHYCARDIA

CONTROL TREMORS +/- SEIZURES (OBTAIN IV ACCESS AS SOON AS POSSIBLE)

CONTROL TREMORS

Methocarbamol @ 55-220mg/kg IV¹ @ rate no more than 2ml/min (maximum dose 330mg/kg/day IV as can potentially cause respiratory muscle depression)
IV route preferred, however can be given PO or IR (note: delayed action via these routes)

- 20-45mg/kg PO q8h (do not exceed 330mg/kg/day)⁴
- 100-150mg/kg crushed and administered with water rectally, repeated q4-8hrs as required

Ziapam (diazepam) @ 0.5-2.0mg/kg IV

CONTROL SEIZURES

Ziapam (diazepam) @ 0.5mg/kg IV bolus (up to 3 doses at least 10 min apart)

Phenobarbital @ 12mg/kg loading dose slow IV. If required, 4-6mg/kg slow IV 20 mins later (max 2 doses, 20min apart)

Propofol Bolus of 1-4mg/kg to effect followed by CRI of 0.1-0.4mg/kg/min

CONSIDER INTRAVENOUS LIPID EMULSION

Intralipid 20% @ 1.5ml/kg IV bolus over 1-5 minutes, followed by CRI @ 0.25ml/kg/min over 30-60 minutes. Can be repeated 1-2 times if no improvement (note: efficacy of lipid soluble anti-seizure medications may be reduced by ILE)

Supportive treatment

- IVFT
- Manage HYPERTHERMIA (if present). Stop active cooling once temperature reaches 39.4°C to avoid hypothermia
- Ongoing management of the tremors/seizures

MINIMUM DATABASE

CBC, biochemistry, electrolytes, acid-base, urinalysis

**GA + GASTRIC LAVAGE
(IF SYMPTOMS MEAN EMESIS IS CONTRAINDICATED, OR IF SUSPECT STOMACH NOT FULLY EMPTIED FOLLOWING EMESIS)**

May be useful in patients already anaesthetised for seizure management¹
Followed by Carbodote administration via stomach tube before waking up the patient (Refer to 'Administer activated charcoal' box)

Most animals recover within 24-48hrs (in severe cases up to 4-5 days)

WITHOUT AGGRESSIVE TREATMENT THE ANIMAL MAY DIE

5-7 DAYS AFTER THE DISCHARGE FROM THE CLINIC

+ USEFUL CONTACTS

DÔMES PHARMA

Your partner in poisoning.

www.domespharma.co.uk | T 0800 0385868 | E help@domespharma.com

VETERINARY PATHOLOGY GROUP

Toxicology testing.

www.thevpg.co.uk | T 0113 2870175

VETERINARY POISONS INFORMATION SERVICE (VPIS)

Dedicated poisoning information service.

www.vpisglobal.com | T 0207 30 55 055

TOX BOX/ELIXIR SERVICE

Immediate access to emergency poisoning products.

www.vpisglobal.com | T 0207 30 55 055

+ PRODUCTS

EMEDOG

- Veterinary licensed apomorphine for dogs
- Packs of 5 or 20x 1ml vials, with a 4-year, unopened shelf life

ZIAPAM

- The first veterinary licensed injectable diazepam for dogs and cats
- Packs contain 6 x 2ml vials of 5mg/ml



+ DON'T FORGET ACTIVATED CHARCOAL!

- Activated charcoal helps in the adsorption of multiple undesirable substances⁶
- Available as liquid or gel
- Repeated administrations will be required for substances that are enterohepatically recycled
- Take a look at our range of activated charcoals

THE **CARBODOTE** RANGE

Carbodote is a complementary feed.

EMEDOG, 1 mg/ml, solution for injection for dogs contains Apomorphine. Legal category [POM-V]. For the induction of emesis in dogs. Ziapam 5mg/ml solution for injection for cats and dogs contains Diazepam. Legal category [POM-V].
In cats and dogs for the short-term management for convulsive disorders and skeletal muscle spasms of central and peripheral origin. As part of a pre-anaesthetic or sedation guidelines. Please refer to the product packaging and leaflets for information about side effects, precautions, warnings and contra-indications.
Use medicines responsibly. www.noah.co.uk/responsible For further information and to view the full Summary of Product Characteristics, please contact TVM-UK Animal Health Ltd, Kirtlington Business Centre, Slade Farm, Kirtlington, Oxfordshire, UK. OX5 3JA. Tel. 0800 0385868. Email help@domespharma.co.uk. Dômes Pharma is the trading name of TVM UK Animal Health Ltd. Prescription decisions are for the person issuing the prescription alone.
Reference: 1. Schell, M.M. (2000). Tremorgenic Mycotoxin Intoxication. Veterinary Medicine; 95 (4) 285-286. 2. Boysen, S. R., Rozanski, E. A., Chan, D. L., Grobe, T. L., Fallon, M. J., & Rush, J. E. (2002). Tremorgenic mycotoxins in four dogs from a single household. Journal of the American Veterinary Medical Association, 221(10), 1441-1420.
3. Eriksen, G. S., Jäderlund, K. H., Moldes-Anaya, A., Schönheit, J., Bernhoft, A., Jaeger, G., Rundberget, T., & Skaar, I. (2010). Poisoning of dogs with tremorgenic Penicillium toxins. Medical mycology, 48(1), 188-196. 4. Allerton, F. (2023). Small Animal Formulary, 11th Edition. Part A: Canine and Feline. British Small Animal Veterinary Association.
5. Hussein, H. S., & Brasel, J. M. (2001). Toxicity, metabolism, and impact of mycotoxins on humans and animals. Toxicology, 167(2), 101-134. 6. TVM329CarbAd.
AT-005-A3.