

CNS Toxicities

Depression

Kathy Parton, IVABS

CNS Toxicities

DEPRESSION

Differential diagnoses:

- Alpha chloralose (bird pesticide)
- Barbiturates in euthanased animals
- Ethylene Glycol



CNS Toxicities

DEPRESSION

Differential diagnoses:

- Ivermectin
- Marijuana

CNS Toxicities

DEPRESSION

PROBLEMS:

- Ataxia and incoordination
- Depression
- Hypothermia
- Stupor
- Coma

CNS Toxicities

DEPRESSION

ALPHA CHLORALOSE

- "Anaesthetised"
- Hypothermic
- Depressed
- Clonic convulsions

CNS Toxicities

DEPRESSION

ALPHA CHLORALOSE TREATMENT

- Symptomatic and supportive care
- Warm environment
- Anticonvulsants
- Oxygen
- Osmotic diuresis (mannitol)

CNS Toxicities

DEPRESSION

MARIJUANA

- “Stoned”, glazed look
- Pinpoint pupils
- Depression
- \pm Excitation



CNS Toxicities DEPRESSION

MARIJUANA TREATMENT

- Symptomatic and supportive care
- Diazepam

CNS Toxicities

DEPRESSION

IVERMECTIN

- COLLIE OR COLLIE CROSS
- Ataxia
- Depression
- Blindness (reversible)

CNS Toxicities

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IVERMECTIN TREATMENT

- Symptomatic and supportive care
- Activated charcoal (repeat)

CNS Toxicities

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BARBITURATES

- Respiratory depression
- Ataxia, disorientation
- CNS Depression
- Hypothermia

CNS Toxicities

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BARBITURATES TREATMENT

- Symptomatic and supportive care
- Alkaline diuresis

CNS Toxicities

DEPRESSION

SUMMARY

- "Anaesthetised-like state" or stuporous
- Hypothermia
- Osmotic vs Alkaline diuresis