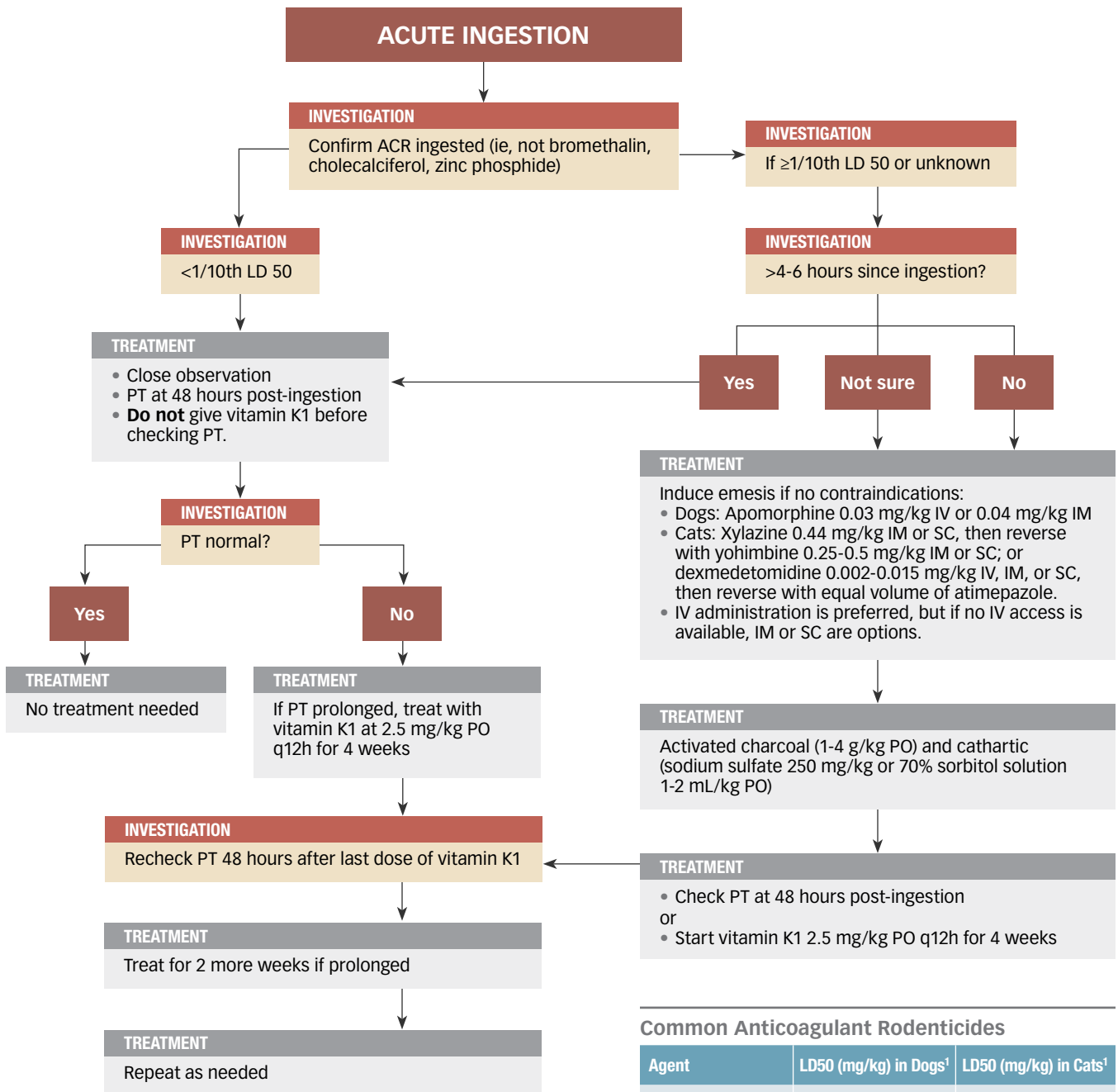


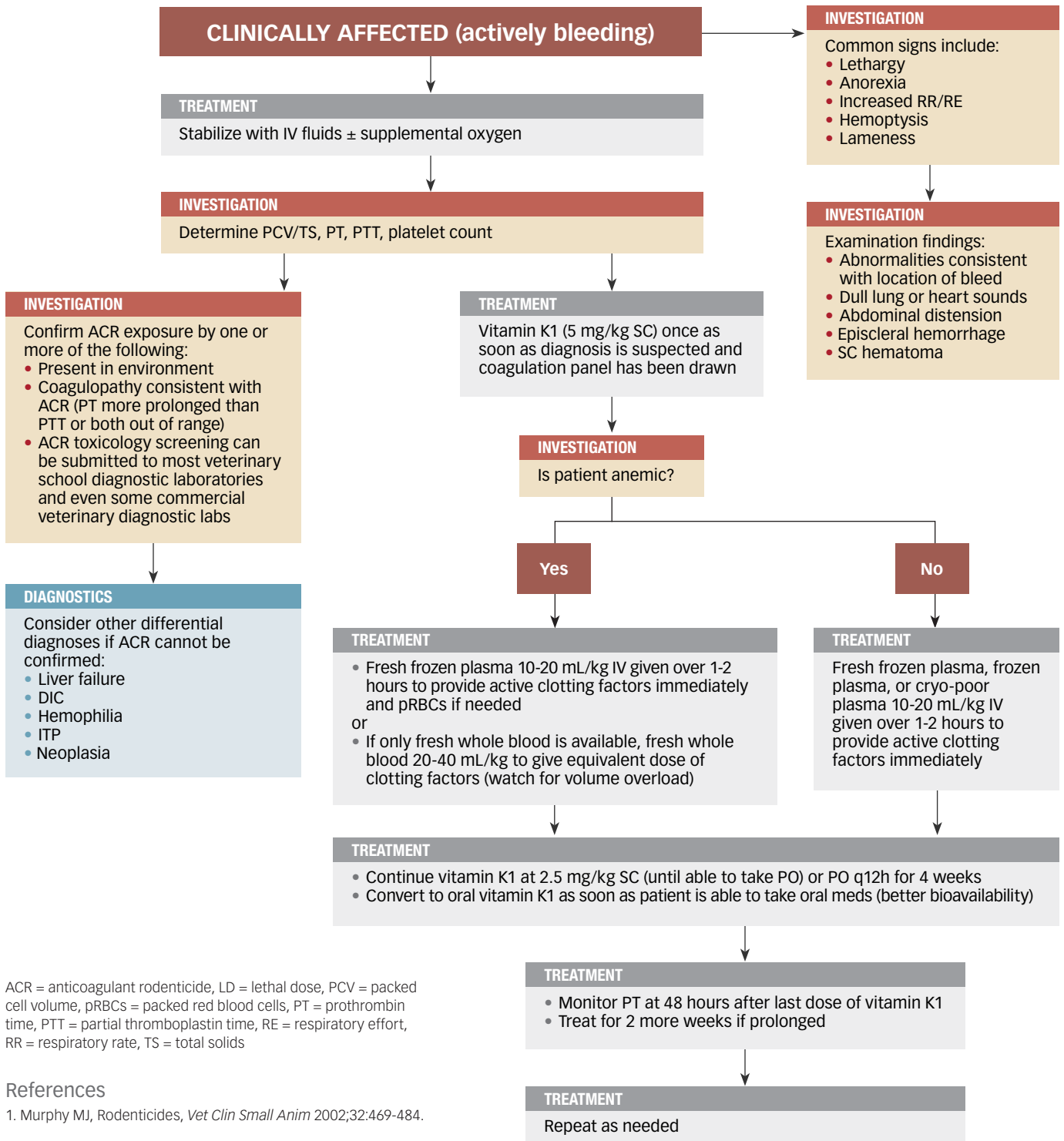
Anticoagulant Rodenticide Ingestion

The EPA has banned public use of brodifacoum, bromadiolone, difenacoum, and difethialone. These products were manufactured for home use until December 31, 2014, and shipped until March 2015. The new products contain diphacinone, and 4 weeks of vitamin K1 therapy is currently recommended to treat this anticoagulant rodenticide (ACR). These changes may decrease ACR toxicities and increase cases of other rodenticide toxicities, particularly bromethalin, which can cause neurotoxicity.



Common Anticoagulant Rodenticides

Agent	LD50 (mg/kg) in Dogs ¹	LD50 (mg/kg) in Cats ¹
Brodifacoum	0.2-4	25
Bromadiolone	11-15	>25
Chlorophacinone	3-20	15
Diphacinone	0.9-8	15



ACR = anticoagulant rodenticide, LD = lethal dose, PCV = packed cell volume, pRBCs = packed red blood cells, PT = prothrombin time, PTT = partial thromboplastin time, RE = respiratory effort, RR = respiratory rate, TS = total solids

References

1. Murphy MJ, Rodenticides, *Vet Clin Small Anim* 2002;32:469-484.