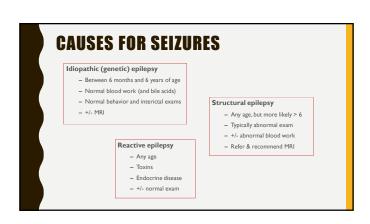
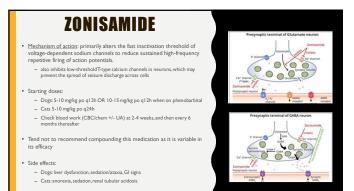




BUT FIRST, SOME HOSPITAL UPDATES • Both Dr. Korff and myself work at VCA Northwest Veterinary Specialists and we now have 2 full time and 2 part time neurologists (Dr. Karen Kline, Dr. Ann Bilderback) • Update on cost: - MRI brain/spine estimate: \$5000-6000 - Standard hemilaminectomy: \$10-14,000 (depending on size) • We have lots of open appointments so please send patients our way or call for questions; we are happy to help!

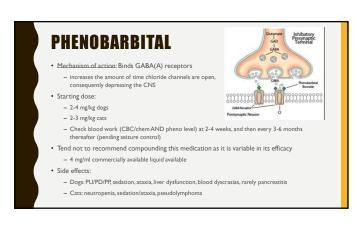


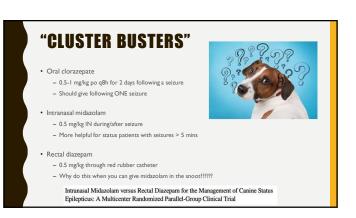




MECHANISM of action: Binds to presynaptic vesicle SV2A glycoprotein - inhibits presynaptic calcium channel release - reducing neuroransmitter release and acting as a neuromodulator - believed to impede impulse conduction across synapses Starting dose:—30 mg/kg and up to ~100 mg/kg - Following 100 mg/kg usually see no additional seizure control - Increase doses in increments of ~30 mg/kg Both in regular release and XR - With q8h dosing, DO NOT need to be exact Blood work once yearly (just in case)







EMERGENCIES • You have MANY options! • Keppra loading (both in urgent situations or when starting the drug) — 60-100 mg/kg IV once followed by 40 mg/kg IV 1-2 hours later — Then start maintenance • Phenobarbital loading — best when starting the drug — 16 mg/kg IV split up as you see fit depending on patient sedation and # seizures — Can sprinkle in another 4 mg/kg if needed — When in doubt, give more • Midazolam/diazepam — 0.5 mg/kg IV or IN — 0.3-1 mg/kg/hr CR1 if needed • NO PROPOFOL



