GASTROESOPHAGEAL REFLUX DISEASE IN DOGS

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GABA = γ-aminobutyric aci

GERD = gastroesophageal reflux disease LES = lower esophageal sphincter

- * Can attempt commercial diet with lower fat content than regular diet prior to prescription low-fat diet
- † Erythromycin (0.5-1 mg/kg PO every 8 hours) or azithromycin (2 mg/kg PO every 8-12 hours; anecdotal)
- \ddagger This is opposed to treatment of ulcerative disease, in which an H2 antagonist would not be added. In this case, the H2 antagonist is thought to be helpful in targeting basal acid stimulation at night, whereas PPI helps with meal-stimulated acid stimulation. PPI should be given prior to meals.

References

- 1. Wise J, Conklin JL. Gastroesophageal reflux disease and baclofen: is there a light at the end of the tunnel? *Curr Gastroenterol Rep.* 2004;6(3):213-219.
- Lehmann A, Hansson-Brändén L, Kärrberg L. Effects of repeated administration of baclofen on transient lower esophageal sphincter relaxation in the dog. *Eur J Pharmacol.* 2000;403(1-2):163-167.
- 3. Vaezi MF, Fass R, Vakil N, et al. IW-3718 reduces heartburn severity in patients with refractory gastroesophageal reflux disease in a randomized trial. *Gastroenterology*. 2020;158(8):2093-2103.
- 4. Quintavalla F, Menozzi A, Pozzoli C, et al. Sildenafil improves clinical signs and radiographic features in dogs with congenital idiopathic megaoesophagus: a randomised controlled trial. *Vet Rec.* 2017;180(16):404.
- Eherer AJ, Schwetz I, Hammer HF, et al. Effect of sildenafil on oesophageal motor function in healthy subjects and patients with oesophageal motor disorders. *Gut.* 2002;50(6):758-764.
- Zhang X, Tack J, Janssens J, Sifrim DA. Effect of sildenafil, a phosphodiesterase-5 inhibitor, on oesophageal peristalsis and lower oesophageal sphincter function in cats. *Neurogastroenterol Motil*. 2001;13(4):325-331.

