

Tips & Tricks #8



Monitoring response to Trilostane therapy

ACTH stimulation has traditionally been the test to reach for when monitoring a dog being treated with trilostane. However, less than optimal sensitivity and specificity, combined with the rising cost of Synacthen has led to the evaluation of other methods to monitor hyperadrenocorticoid dogs. Macfarlane *et al.* (2016) determined that serum cortisol concentration just prior to trilostane administration combined with a comprehensive owner questionnaire was a valid monitoring tool in otherwise healthy, unstressed dogs. While the method has a sensitivity ~50% and specificity ~85%, it appears to be no less accurate than ACTH stimulation. For more information read Jon Mayer's article in September 2018 Vetscript or Macfarlane's study via the link below.

References:

Pre-trilostane and three-hour post-trilostane cortisol to monitor trilostane therapy in dogs. L Macfarlane, T Parkin, I Ramsey. Vet Rec 179(23):597 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5256409/>

Monitoring canine hyperadrenocorticism: a changing paradigm. J Mayer Vetscript. September 2018 p 46-48