

## RACE PROGRAM COURSE ATTACHMENT

1. **PROGRAM TITLE:** Thyroid Tails: Navigating Feline Hyperthyroidism
2. **PROGRAM DESCRIPTION:** Feline Hyperthyroidism is the most common endocrine disorder of older cats and is increasing in prevalence. There are many factors that may affect the thyroid gland in our cats, and we still do not have a clear etiology of this disease. Diagnosis can be complex, especially those that don't fit the classic "hyperthyroid cat" picture and may have coexisting comorbidities. Let's refresh ourselves on this disorder, dive into diagnosis, talk about where TSH fits into the picture, manage comorbidities and ultimately, discuss treatments!!
3. **LEARNING OBJECTIVES:**
  1. Thyroid gland refresh- What makes the "hyper" in hyperthyroid disorder?
  2. Navigating the diagnosis and its challenges.
  3. What is TSH? Where does this test fit in diagnosis and management?
  4. Treatment and its challenges- and a few cases!
4. **PROGRAM AGENDA:**
  1. Thyroid gland refresh- What makes the "hyper" in hyperthyroid disorder?
    - Brief overview of feline hyperthyroidism
    - Updates on prevalence
    - Pathogenesis- normal to abnormal
  2. Navigating the diagnosis and its challenges.
    - Clinical presentation- the common versus uncommon
    - Physical examination- thyroid palpation
    - Total T4, T3, Free T4- what do they mean in diagnostic language?
    - What is the grey zone? Why might my patient be there? – comorbidities
    - Trends over time
  3. What is TSH? Where does this test fit in diagnosis and management?
    - What is TSH?
    - Is there a difference in canine TSH versus feline TSH?
    - Where is this test most useful in our patients?
  4. Treatment and its challenges- and a few cases!
    - Methimazole or diet?- side effects
    - Thyroidectomy or I131?
    - What does I131 entail?
      - Finish up with a few cases- liver toxicity associated with methimazole, I131 treated cat,