

Radioiodine treatment for Hyperthyroid Cats

Cats home from 4 days

Case Selection

1. Newly diagnosed

Clinical history may include:

- Polyphagia
- Weight loss
- Increased activity
- Sickness
- Diarrhoea
- PU PD
- Tachypnoea

Physical findings may include:

- Goitre
- Tachycardia
- Low body condition score
- Low muscle score
- Hypertension

Diagnostics include:

- Total T4 above reference interval

Do not start medication

Which tests?

Prior to referral we require:

- Haematology
- Biochemistry
- Electrolytes
- Endocrinology including total T4 and TSH

Prior to referral we strongly encourage:

- Urinalysis to include SG and UPC
- BP estimation and retinal fundoscopy

2. Established well-controlled diagnosis

- As 1 but euthyroid using methimazole or iodine-depleted diet.

Do not change medication

3. Unstable diagnosis or with co-morbidities

As 1 but may include

- Diabetes mellitus
- Congestive heart failure
- Chronic renal disease
- Pancreatitis
- Hypertension
- FeLV / FIV / Coronavirus
- Prior thyroidectomies

Call to discuss

4. Ambiguous diagnosis

- Clinical history and physical findings may be subtle or absent
- Diagnostics typically total T4 in upper third of euthyroid range

Options include:

- Re-test the current sample using reference laboratory
- Test free T4 on the current sample
- Test TSH on the current sample
- Check for co-morbidities (that may depress T4 to euthyroid range)
- Consider scintigraphy
- Repeat the above in 6-8 weeks' time

Call to discuss



Referral Options

Which laboratory?

Whenever possible please send all submissions to IDEXX Wetherby using your own account with our Panel Codes, or our IDEXX Submission Form (available at www.hyperthyroidcatcentre.co.uk or by calling us on 0345 544 4300). This avoids variability between different laboratories.

Register at

www.hyperthyroidcatcentre.co.uk

- Complete on-line referral form
- Upload clinical history
- Upload laboratory results
- Give Client Information Booklet to client*

Without registering at

www.hyperthyroidcatcentre.co.uk

- Download interactive pdf referral form and return via email enquiries@hyperthyroidcatcentre.co.uk, with clinical history and laboratory results
- Download pdf referral form and print it, complete and return via fax or post, with clinical history and lab results
- Give Client Information Booklet to client*

Fax or post

Clinical history and laboratory results

- Fax: **0345 544 0300**
- Address: **433 Birch Park, Thorp Arch, Wetherby, West Yorkshire LS23 7FG**
- Give Client Information Booklet to client*

Call us

on **0345 544 4300**

- Give Client Information Booklet to client*

*available as pdf at our website or in paper form on request

Option 1

Option 2

Option 3

Option 4

Which thyroid function tests?

RI reference interval NTI non thyroidal illness FH feline hyperthyroidism

Total T4 is:

- Diagnostic when above RI
- Supportive when in upper third of RI
- Sensitive to NTI and in FH cats can be depressed to upper third of RI

Free T4:

- Excludes FH when in RI
- Supports FH when above RI
- Not affected by NTI
- Can exceed RI in ~16% of euthyroid cats

TSH:

- Depressed below RI in ~99% of FH
- Depressed below RI in ~40% of euthyroid cats
- Not a validated test in cats
- Levels above 1ng/ml may support hypothyroidism