**Evaluation of a novel, sensitive thyroid-stimulating hormone (TSH) assay as a diagnostic test for thyroid disease in cats**

**Supplementary Table 1** Median (IQR) serum concentrations of T4, TSH-CLIA, and TSH-BAW in 78 clinically normal cats, 169 untreated hyperthyroid cats (divided into 4 severity groups), 53 \(^{131}\text{I}\)-treated cats classified as hypothyroid or euthyroid, and 12 cats with chronic kidney disease.

<table>
<thead>
<tr>
<th>Group of cats</th>
<th>T4 (µg/dL)</th>
<th>TSH-CLIA (ng/mL)</th>
<th>TSH-BAW (ng/mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Clinically normal (78)</td>
<td>2.1(^{b-f})*</td>
<td>0.052(^{b-h})*</td>
<td>0.042(^{b-h})*</td>
</tr>
<tr>
<td></td>
<td>(1.8-2.6)</td>
<td>(0.025-0.10)</td>
<td>(0.024-0.070)</td>
</tr>
<tr>
<td>b. Subclinical hyperthyroidism (40)</td>
<td>3.8(^{a,c-h})</td>
<td>0.02(^{a,f-h})</td>
<td>0.007(^{a,c-h})</td>
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<td>(3.6-4.4)</td>
<td>(0.02-0.02)</td>
<td>(0.005-0.011)</td>
</tr>
<tr>
<td>c. Mild hyperthyroidism (55)</td>
<td>6.5(^{a,b,d-h})</td>
<td>0.02(^{a,f-h})</td>
<td>0.006(^{a,b,f-h})</td>
</tr>
<tr>
<td></td>
<td>(5.9-7.4)</td>
<td>(0.02-0.02)</td>
<td>(0.005-0.008)</td>
</tr>
<tr>
<td>d. Moderate hyperthyroidism (37)</td>
<td>10.5(^{a-c,e-h})</td>
<td>0.02(^{a,f-h})</td>
<td>0.006(^{a,b,f-h})</td>
</tr>
<tr>
<td></td>
<td>(7.8-11.9)</td>
<td>(0.02-0.02)</td>
<td>(0.005-0.007)*</td>
</tr>
<tr>
<td>e. Severe hyperthyroidism (37)</td>
<td>20.0(^{a-d,f-h})</td>
<td>0.02(^{a,f-h})</td>
<td>0.006(^{a,b,f-h})</td>
</tr>
<tr>
<td></td>
<td>(15.5-22.2)</td>
<td>(0.02-0.02)</td>
<td>(0.005-0.007)</td>
</tr>
<tr>
<td>f. Iatrogenic hypothyroidism (11)</td>
<td>1.1(^{a,e,g,h})</td>
<td>1.40(^{a,e,g,h})</td>
<td>0.984(^{a,e,g,h})</td>
</tr>
<tr>
<td></td>
<td>(0.9-1.3)</td>
<td>(0.62-2.75)</td>
<td>(0.481-1.282)</td>
</tr>
<tr>
<td>g. Euthyroid, post-(^{131}\text{I}) (42)</td>
<td>1.9(^{b,f})</td>
<td>0.110(^{a-f})</td>
<td>0.076(^{b-f})</td>
</tr>
<tr>
<td></td>
<td>(1.6-2.2)</td>
<td>(0.05-0.17)</td>
<td>(0.042-0.140)</td>
</tr>
<tr>
<td>h. Chronic kidney disease (12)</td>
<td>1.9(^{b,f})</td>
<td>0.125(^{a-f})</td>
<td>0.103(^{a-f})</td>
</tr>
<tr>
<td></td>
<td>(1.6-2.6)</td>
<td>(0.07-0.20)</td>
<td>(0.057-0.187)</td>
</tr>
</tbody>
</table>

Data are expressed as median (25\(^{th}\)-75\(^{th}\) percentile) and are analyzed with the Kruskal-Wallis test, followed by Conover’s test for multiple comparisons.

*Significantly different (P< .05) from superscripted group letters.

Reference intervals: T4 =1.0-3.8 µg/dL; TSH-CLIA <0.03-0.3 ng/mL; TSH-BAW =0.008-0.3 ng/mL.