Calling all Scottie Owners!

Scottie Samples Needed for Atypical Cushings Study

Great news! We are closer than ever to finally getting some answers to the mystery of elevated liver enzymes in Scotties.

Dr. Kurt Zimmerman is almost at the finish line in his epic, 9-year study of atypical Cushings in Scotties! He has identified three genes that are expressed in a unique manner in Scotties. What he now needs in order to complete the last phase of the DNA analysis are blood samples from at least 100 Scotties with normal ALP and 100 with increased values. Please read the requirements below to find out how you can participate.

Eligibility and Compensation:

- Scottish Terriers (unregistered or registered), intact or spayed/neutered
- Between the ages of 4 and 10 yrs
- Not receiving oral or topical glucocorticoids or anti-seizure medications within the past 3 months (e.g., prednisone, phenobarbital)
- Dog fits into either Group 1 or 2 below

How to Participate:

- Review the accompanying Participation Packet for Group 1 or Group 2 dogs (instructions and sample types are different so make sure you are looking at correct packet)
- Cut out the Shipping Label included in the packet
- Complete the Consent Form
- Complete the appropriate packet Sample Information Form
- Make an appointment with your veterinarian
- Bring this notice and appropriate packet to your veterinarian
- Collect sample types below:
  - Label tubes with:
    1. Owner’s last name
    2. Dog’s name
    3. Date
  - For group 2 dogs, be sure to ask your vet to separate serum from RBC before mailing or use a serum separator tube

<table>
<thead>
<tr>
<th>Group 1 Prior ALP &amp; Bilirubin Test Results</th>
<th>Group 2 No Prior ALP &amp; Bilirubin Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tests were done within past 6 months</td>
<td>No prior knowledge of high bilirubin values</td>
</tr>
<tr>
<td>Either item A or B below must be true</td>
<td>Compensation: Free ALP and Bilirubin test results</td>
</tr>
<tr>
<td>A  ALP is normal</td>
<td></td>
</tr>
<tr>
<td>B  ALP is increased (&gt; 140 U/L)</td>
<td></td>
</tr>
<tr>
<td>Total Bilirubin is normal</td>
<td>Compensation: $25 payment per enrolled dog</td>
</tr>
</tbody>
</table>

Group 1

- Prior ALP & Bilirubin Test Results
- Compensation: $25 payment per enrolled dog

Group 2

- No Prior ALP & Bilirubin Test Results
- Compensation: Free ALP and Bilirubin test results

<table>
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<th>Group 1 Prior ALP &amp; Bilirubin Test Results</th>
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<tr>
<td>5 ml EDTA blood sample (purple-top tube)</td>
<td>5 ml EDTA blood sample (purple-top tube)</td>
</tr>
<tr>
<td>2 ml serum sample (red-top tube, separate RBC)</td>
<td></td>
</tr>
</tbody>
</table>
• Ask your veterinarian to ship the samples and paperwork following the checklist in the appropriate packet
• Shipping address (label in packet)

Attn: Zimmerman Research  
ViTALS/Lab Central  
245 Duckpond Drive  
Blacksburg, VA 24061

Shipping Blood Samples:  
EDTA blood and Serum samples can be held refrigerated prior to mailing. Samples can be sent by priority mail (USPS). Samples can be shipped any day of week. Please include an icepack for serum sample submissions from Group 2 dogs.

Compensation:  
For group 1 dogs, a $25 check will be sent to the owner or veterinarian as indicated on the sample submission form. For group 2 dogs, free ALP and Bilirubin serum test results will be provided to your veterinarian.

Questions:  
If you have any questions or concerns regarding the study and would like to talk to someone, please contact either:

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Clinical Research Coordinator  
Veterinary Clinical Research Office  
Virginia Tech  
Virginia-Maryland College of Veterinary Medicine  
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Blacksburg, VA 24061  
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Associate Professor of pathology  
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Office Hrs: T, TH (8:30am-5pm); W (8:30am-3pm)