Discover the connection

ImmunoCAP™ Pet Allergen Component testing

Whole allergens and allergen components help you diagnose allergy, allowing you to prepare a more comprehensive management plan.

According to an evidence-based consensus recommendation, molecular diagnosis is strongly recommended to distinguish between simultaneous sensitization and cross-reactivity (Category B Evidence)."
<table>
<thead>
<tr>
<th>Uteroglobin/Secretoglobin</th>
<th>Kallikrein</th>
<th>Lipocalins</th>
<th>Serum Albumins</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitization during childhood can be a predictive marker of cat allergy in adolescence.</td>
<td>Can f 5, a prostatic kallikrein, was isolated from urine of male dogs and is considered a major allergen.</td>
<td>Lipocalins are the most important allergen protein family.</td>
<td>Highly cross-reactive molecules generally considered minor allergens.</td>
</tr>
<tr>
<td>A cat-specific marker of sensitization.</td>
<td>Therefore, patients sensitized only to Can f 5 may tolerate female dogs or castrated male dogs.¹</td>
<td>Most are major allergens.</td>
<td>Abundant in saliva and dander.</td>
</tr>
<tr>
<td>Fel d 1, a uteroglobin and the major cat allergen.</td>
<td>Patients sensitized to Can f 5 may show allergic reactions to seminal fluid.¹</td>
<td>Synthesized in salivary glands and dispersed into the environment by saliva and dander.</td>
<td>Respiratory allergens present in animal dander and fluids such as milk, serum, urine, and saliva.</td>
</tr>
<tr>
<td>A uteroglobin expressed in skin and salivary glands, its synthesis is related to sexual hormones.</td>
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</tbody>
</table>
MANAGEMENT CONSIDERATIONS

DISEASE SEVERITY

- The risk for and severity of respiratory diseases increase with the number of pet allergen components the patient is sensitized to.¹⁻⁴
- Sensitization to ≥ 3 pet allergen components is more common in severe asthma.¹⁻³
- The higher the specific IgE levels of Fel d 1/Fel d 4/Can f 1/Can f 2/Can f 5, the higher the risk for asthma.⁵,⁶
- Co-sensitization to Fel d 1 and Fel d 4 is associated with asthma symptoms.⁵
- Co-sensitization to Can f 1, Can f 2, and Can f 5 is associated with asthma symptoms.⁵

PATIENT MANAGEMENT

- Elevated Fel d 1*: Institute targeted exposure reduction to cat and consider allergen immunotherapy (AIT).¹⁻³
- Elevated Can f 1*: Institute targeted exposure reduction to dog and consider AIT.¹,⁸,¹⁰,¹¹
- Elevated Can f 2*: Institute targeted exposure reduction to horse and consider AIT.¹²
- Elevated Can f 5*: Monosensitization: May tolerate female dogs or castrated male dogs.¹,⁸

* >0.1 kU/L

OTHER CONSIDERATIONS

- Can f 3/Fel d 2 sensitization indicates cross reactivity and is seldom of clinical importance.¹³ However, Fel d 2 can be a primary sensitizer in Pork-Cat Syndrome.¹³

Find out more at allergyaidiagnostics.com