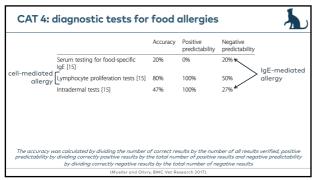




CAT 4: diagnostic tests for food allergies RESEARCH ARTICLE Critically appraised topic on adverse food reactions of companion animals (4): can we diagnose adverse food reactions in dogs and cats with in vivo or in vitro tests? Ralf S. Mueller^{1*} and Thierry Olivry²

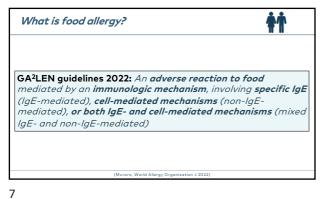
CAT 4: diagnostic tests for food allergies Accuracy Positive predictability Negative predictability Intradermal testing with food antigens [4, 14] 63-76% 60-67% 62-77% lgE-mediated allergy Serum testing for food-specific 58–87% IgE [4, 5, 14] 15-100% Serum testing for food-specific 77% IgG [5] Lymphocyte proliferation tests [14] cell-mediated

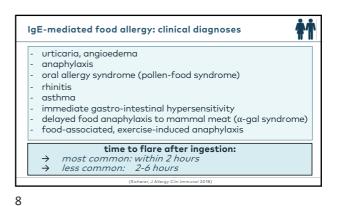
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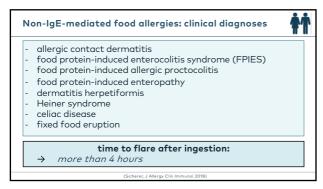


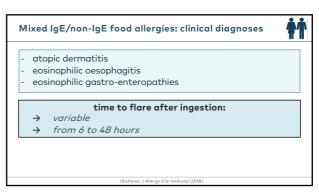
CAT 4: diagnostic tests for food allergies Critically appraised topic on adverse food reactions of companion animals (4): can we diagnose adverse food reactions in dogs and cats with in vivo or in vitro tests? "Testing for serum food-specific IgE and IgG showed low repeatability and, in dogs, a highly variable accuracy [for the diagnosis of adverse food reactions]. In cats, the accuracy of testing for food-specific IgE was low..." "Currently, the best diagnostic procedure to identify adverse food reactions in small animals remains an elimination diet with subsequent provocation trials"

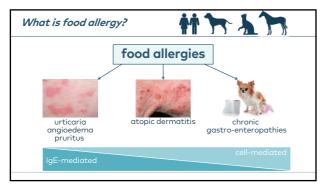
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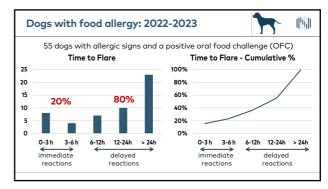


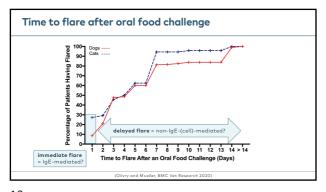


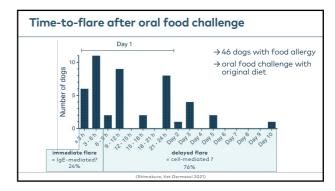


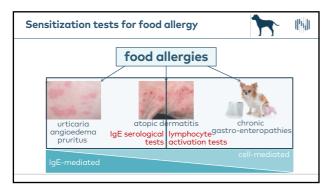


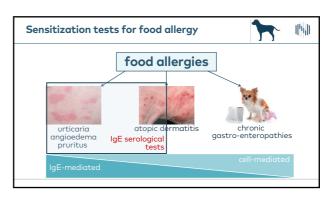




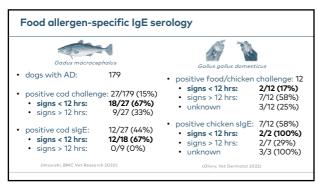


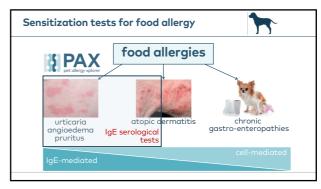




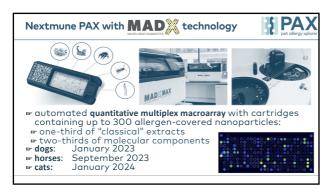


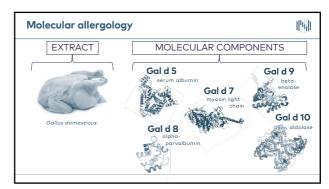
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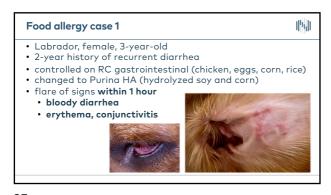




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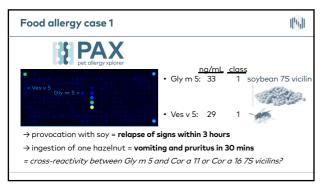


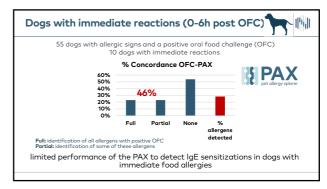




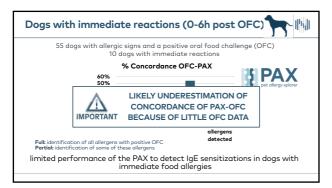


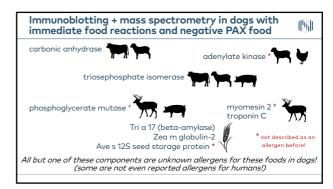
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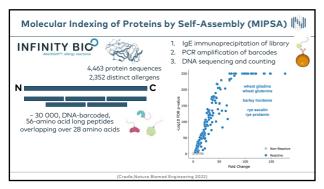


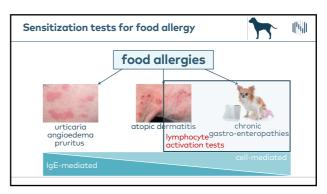


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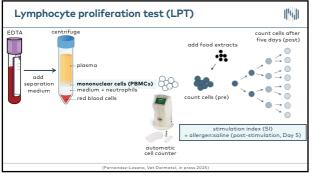


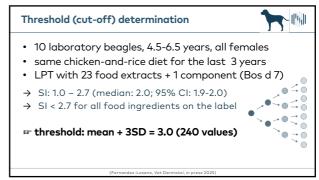






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• signalment: 28 dogs

• multiple breeds: 4 retrievers

• median age: 3.0 years (0.5-12.0)

• female:male ratio: 0.8

• clinical signs:

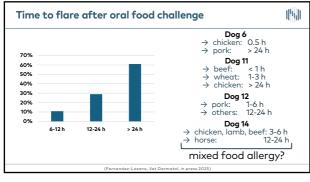
• food-induced atopic dermatitis: 64%

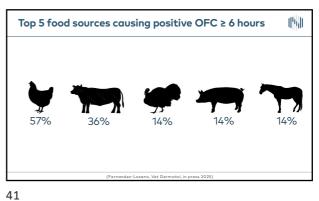
• gastro-enteropathy: 64%

• pruritus without visible lesions: 18%

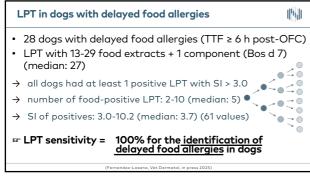
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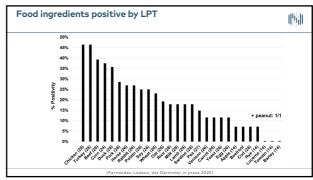
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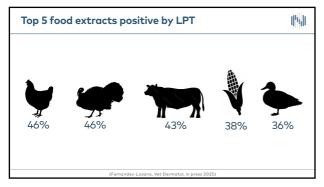


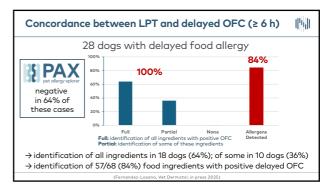


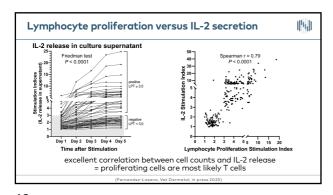
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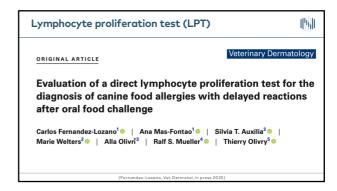




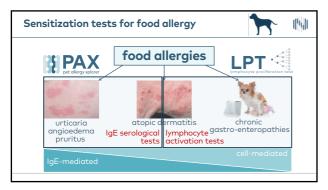


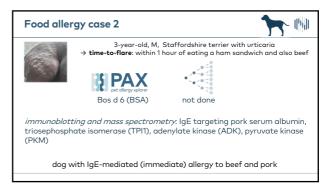




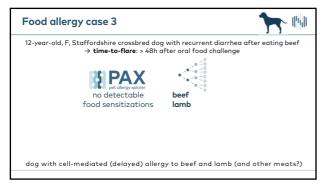


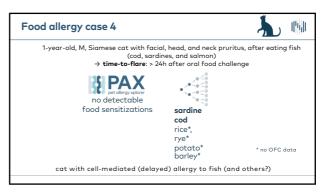
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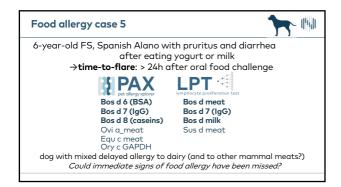


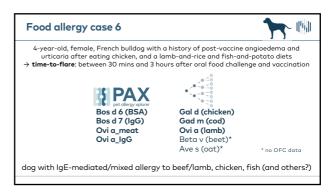


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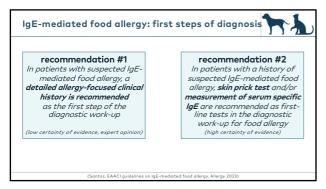


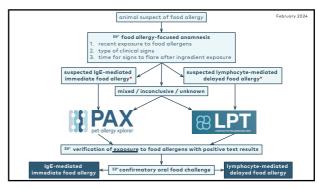






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