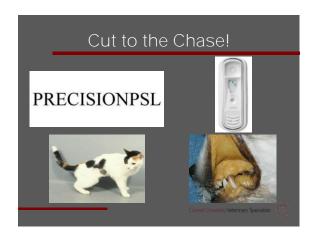
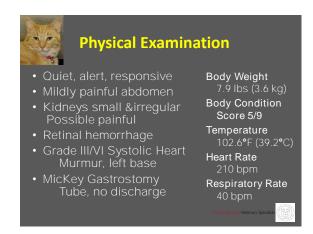
Update on Testing for Pancreatitis and Leptospirosis

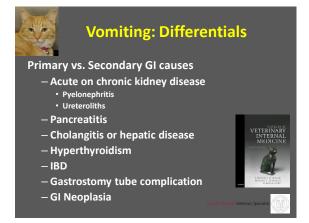


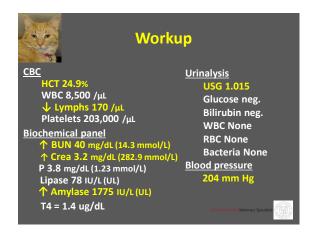


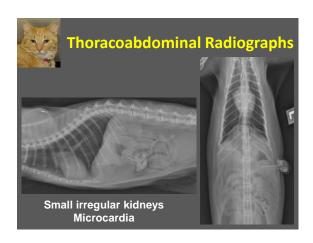


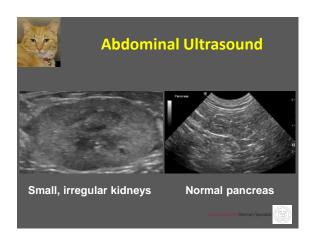


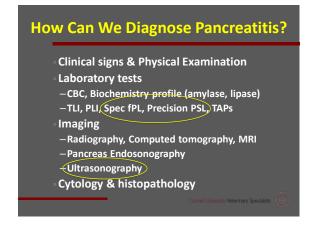


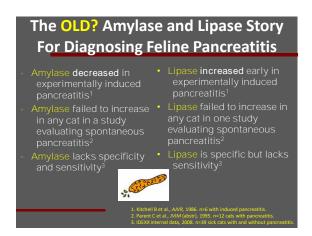


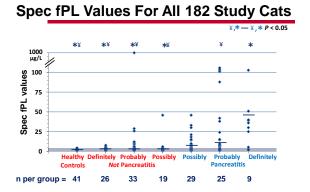






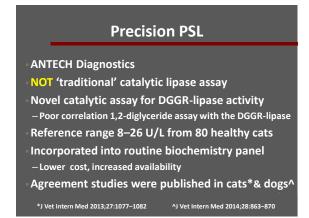


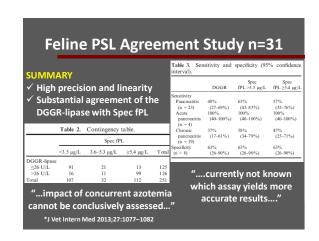


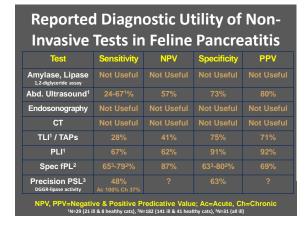


Pancreas Ultrasound Findings with Pancreatitis and in Older Cats Consistent With Pancreatitis Enlarged & irregular pancreas Hypoechoic parenchyma Hyperechoic peripancreatic fat Dilated pancreatic or bile duct Peripancreatic fluid Corrugated thickened bowel wall Pancreatic pseudocyst Pancreatic pseudocyst

Reported Diagnostic Utility of Non- Invasive Tests in Feline Pancreatitis				
Test	Sensitivity	NPV	Specificity	PPV
Amylase, Lipase	Not Useful	Not Useful	Not Useful	Not Useful
Abd. Ultrasound ¹	24-67 ¹ %	57%	73%	80%
Endosonography	Not Useful	Not Useful	Not Useful	Not Useful
СТ	Not Useful	Not Useful	Not Useful	Not Useful
TLI ¹ / TAPs	28%	41%		71%
PLI ¹	67%	62%	91%	92%
Spec fPL ²	65 ³ -79 ² %	87%	63 ³ -80 ² %	69%
Precision PSL ³ DGGR-lipase activity				
NPV, PPV= Negative & Positive Predicative Value, respectively 'N-29 (21 III & 8 healthy cats), 'N=182 (141 III & 41 healthy cats), 'N=31 (all III)				

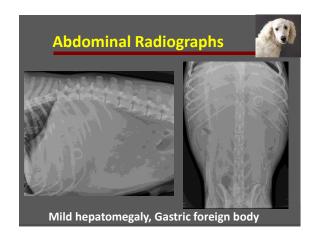








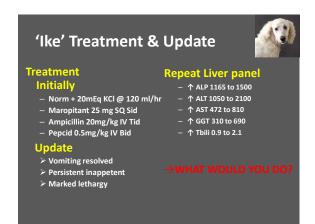


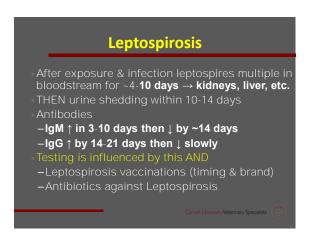












How Can We Diagnose Leptospirosis? Clinical signs & PE, Vaccination? Laboratory tests CBC, Biochemistry profile, Urinalysis ID Leptospira → PCR, culture Detect immunologic response → Microscopic agglutination test (MAT), ELISA Imaging Radiography, Ultrasonography Cytology & histopathology

