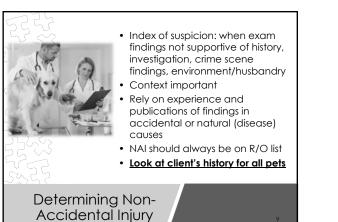
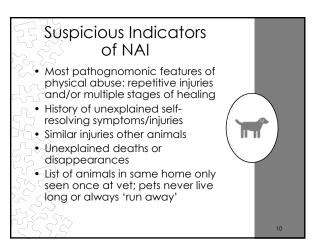
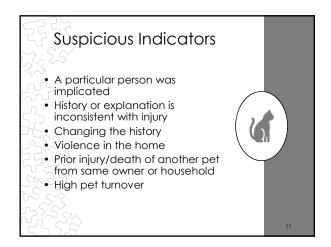


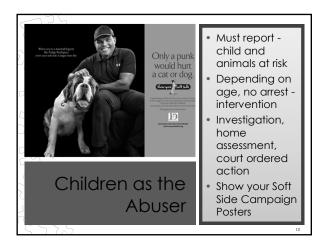
## Animal Abusers Cruelty in the Practice Setting • Can be anyone: men. • Most common type of cruelty: neglect women, children, any • Most common source of physical abuse: profession or sociodomestic violence economic class • Abuse most commonly missed: sexual abuse Long term clients regardless of history: life Cause of blunt force trauma commonly missed changes, new people in • Most common failures: not reporting, failure to home, children document, photograph Hoarders: predisposing factors, can become hoarder later



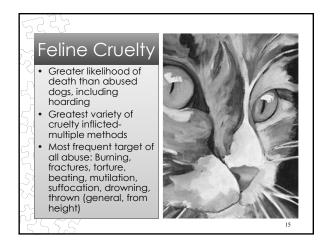


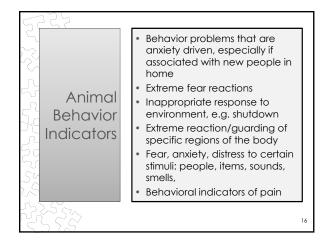




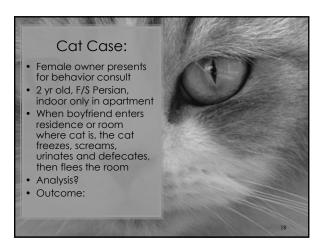






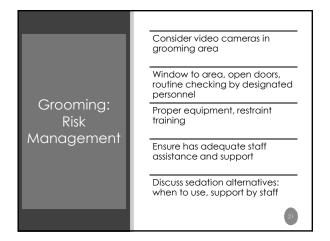


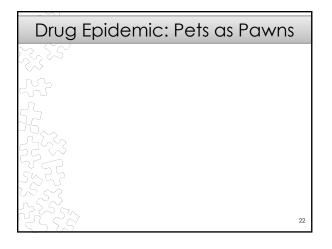
-	77	
	$\sim$	Animal Behavior
R	lecord	Record activity level, interaction with people/animals
C C	onsider	Consider what the behavior response could have been to the alleged abuse or neglect
	Obtain	Obtain info from investigator of animal's behavior prior to presentation
	Discuss	Discuss findings with investigator
		12



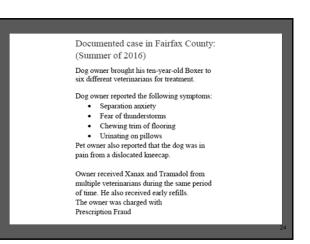


Brazil Research: Grooming Deaths					
Distribution of anatomopathologic lesions in dogs that suffered trauma. Sao Paulo, 2004 – 2009					
Lesion	Quantity	Percentage			
Injury to the brain	25	86.2			
Hematoma in cephalic region	20	68.9			
Skull fractures	12	41.3			
Hemothorax/hemoperitoneum	7	24.1			
Dislocation of atlanto-occipital joints	4	13.7			
Hematoma-cervical, thoracic, abdominal region	5	17.2			
Viceral Ruptures	5	17.2			
K K K K		20			

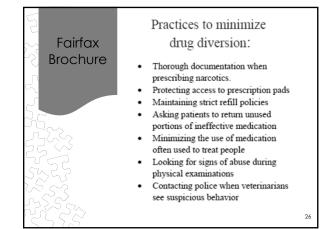


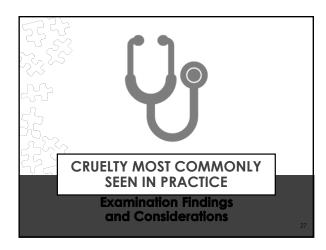


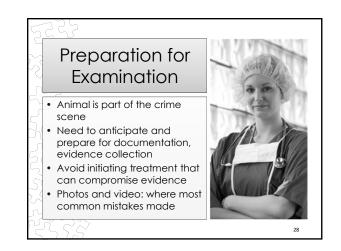


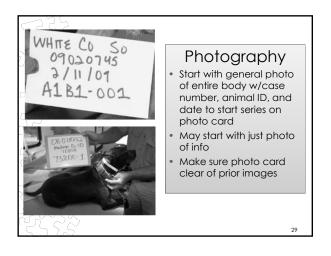


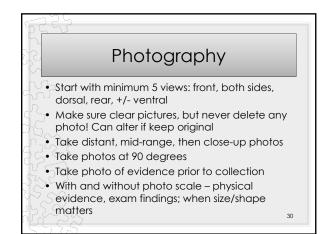


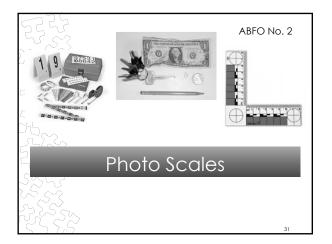


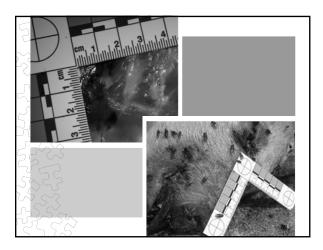


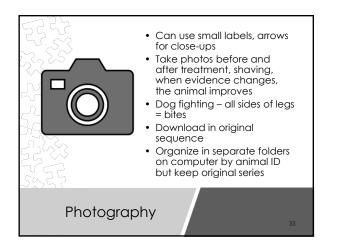




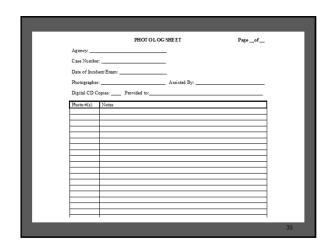




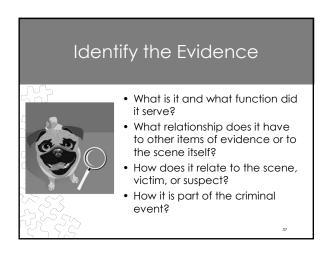


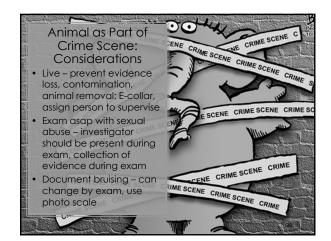






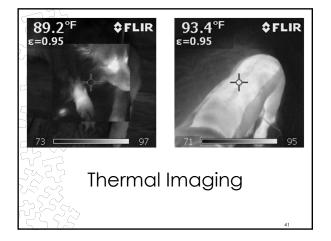


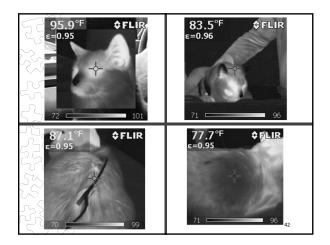




Do not bleed much from skin, lack of detectible bruising	
Time lapse for bruising to be seen – indicator of significant trauma, R/O clotting disorders	Hidden
Will not lift tail if rear injury, may walk on fractured leg	Findings with Abuse:
Undetected fractured rib(s)	Considerations
Evidence inside ear, eye	
Often BFI assoc w/other types of abuse	
5575	39

F.	Blunt Force Trauma	
$\mathcal{F}_{\mathcal{N}}$	Head Trauma	
n A	Fractures	
ನ್ನಗ	Skin bruising – significant hemorrhage	
52	Subcutaneous bruising	
50	Deep tissue injury	
520	Muscle Injury – Increased CK/CPK	
20	Pain	
250	Nothing	
55	Thermal imaging - FLIR Camera	
RĽĽ	55	40



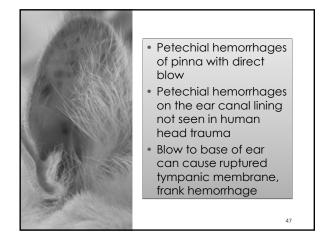


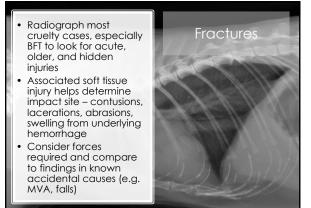


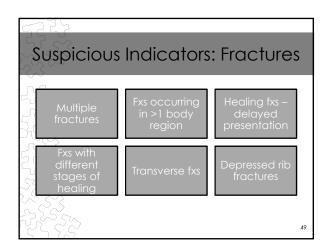


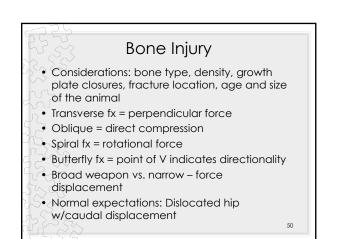


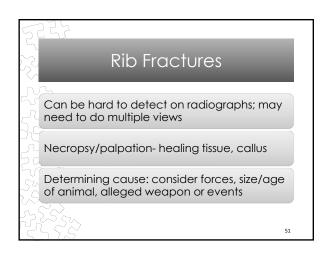


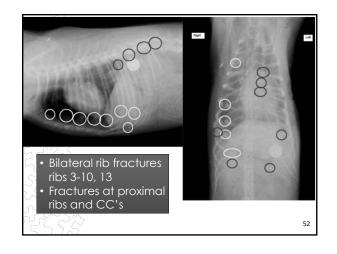














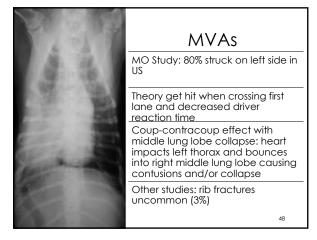
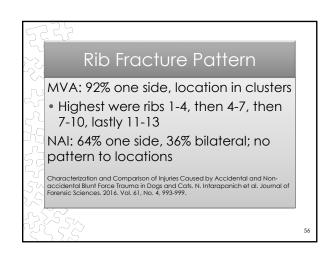
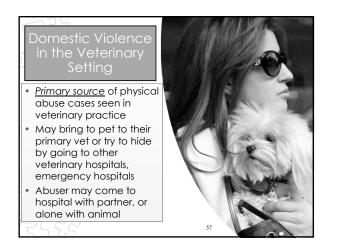
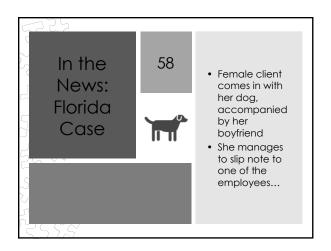


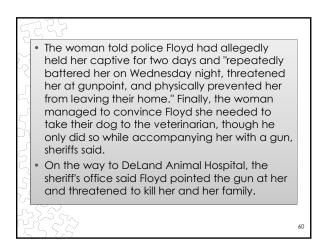
TABLE 2—Odds ra found to be sta				
Injury	NAI (n = 50)	MVA (n = 426)	Odds Ratio in Favor of NAI	95% Confidence Intervals
Skull fracture	16	13	15:1	(6.64, 33.64)
Teeth fracture	13	20	7:1	(3.29, 15.48)
Vertebral fracture	5	15	3:1	(1.06, 8.77)
Rib fracture	14	38	4:1	(1.97, 8.01)
Pelvic/sacral fracture	4	96	0.3:1	(0.10, 0.85)
Sacroiliac luxation*	0	48	0.077:1	(0.0047, 1.27)
Abrasions	5	310	0.041:1	(0.016, 0.11)
Degloving injury*	0	36	0.11:1	(0.0064, 1.75)
Damage to claws	6	19	3:1	(1.11, 7.70)
Scleral hemorrhage	14	34	4.5:1	(2.20, 9.12)
Pneumothorax	3	122	0.16:1	(0.048, 0.52)
Pulmonary contusion	12	186	0.41:1	(0.21, 0.80)
Older fractures	11	1	120:1	(15.08, 953.06

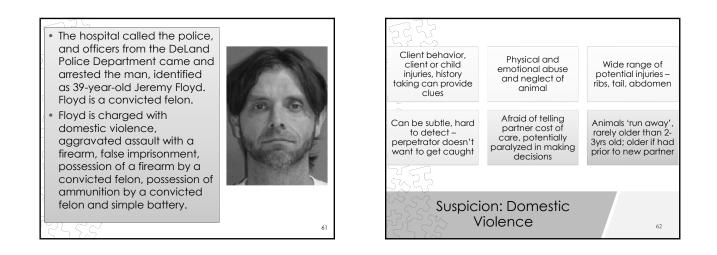










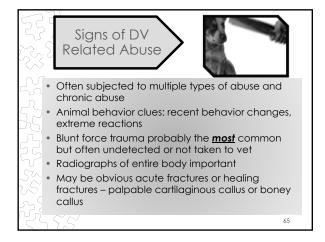


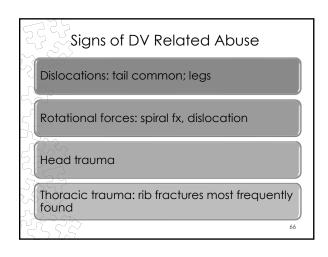


## Dog Abandoned at Airport

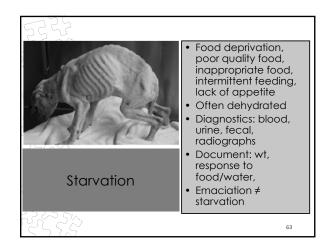
Love and take Care

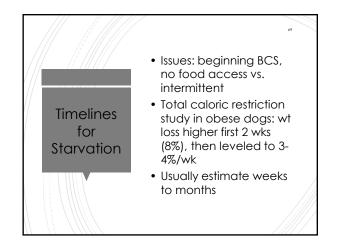
64

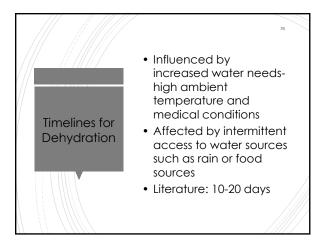


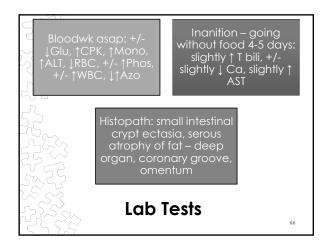


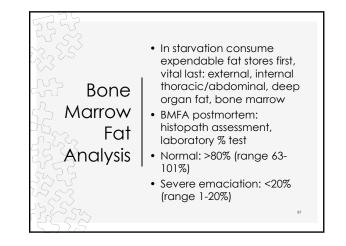
	175					
2		ssociated with DV:				
Pet-Abuse.com 2000-2015						
$\sim$	Throwing 33%	Shooting 13%				
R	Stabbing 32%	Hanging 12%				
2	Kicking or Stomping 27%	Burning (caustic substance) 12%				
DY-	Sexual abuse 25%	Drowning 11%				
50	Burning (fire, fireworks) 24%	Mutilation, torture 11%				
25%	Choking, strangulation, suffocation 24%	Poisoning 7%				
	Beating 19%	Neglect, abandonment 3%				
안	588		67			



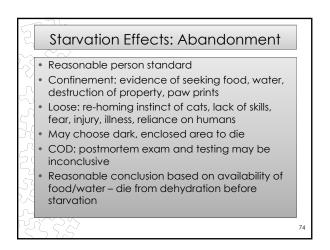






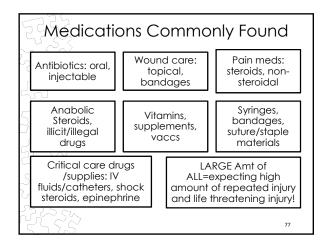


5725	
BMFA	
Normal BMF % does not R/O starvation – dec occur prior	th can
Low BMF % should ALWAYS be interpreted consideration case and exam findings	
Decomposed: if enough BM present, can rur cool/cold temps preserve BMF (burials, freez	
If do not have test available, histopathology evaluation possible	
	68











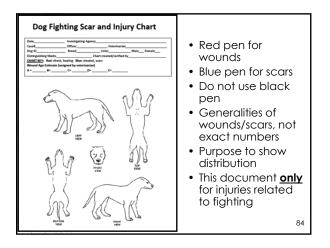
Examination Considerations
C Testing for drugs found at scene
Issues associated with neglect common – skin, untreated injuries, infection, osteomyelitis
Radiographs may be needed to show extent or age of bone injuries
A Heartworm, intestinal parasites, anemia common
$\sim$ Babesia gibsoni commonly found in dogs with $S^2$ evidence of fighting injuries
$\sim$ Must differentiate scars from other skin problems
79

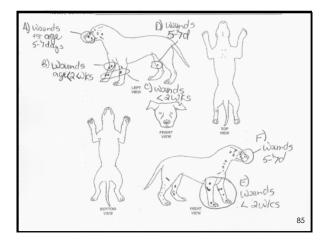




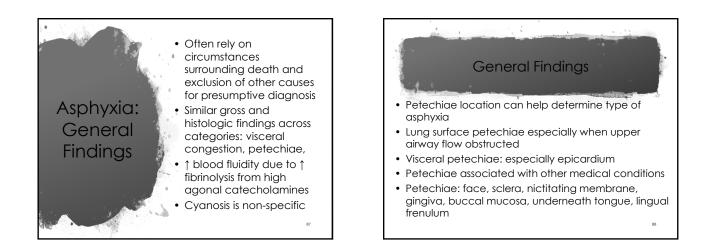


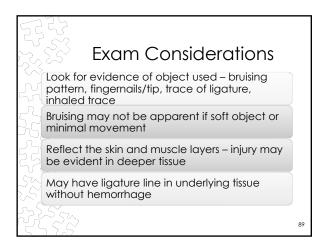


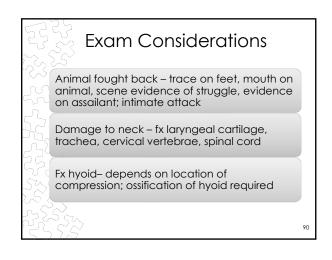


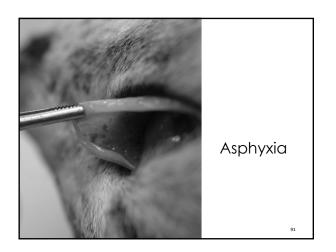








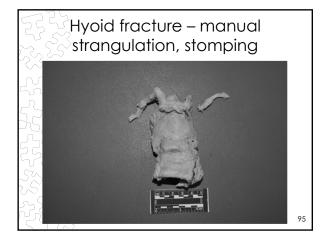




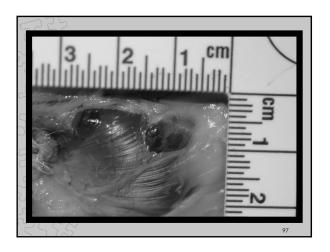






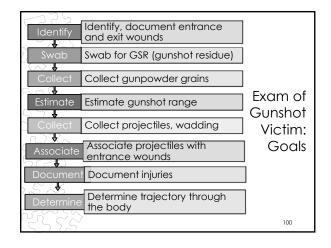


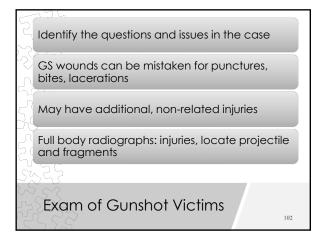








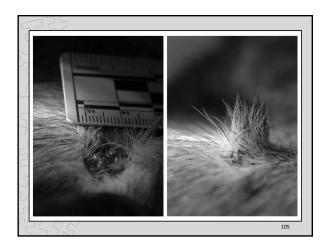


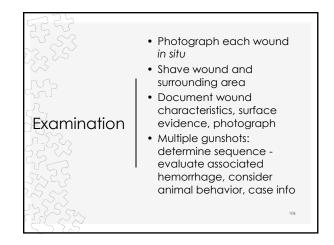


Issues to Consider When Evaluating Gunshot Wounds
Most common defense is self-defense
Imminent danger (who, no other option?), protection of property (can be legal)
Risk to others by firing weapon
S Animal suffering vs. instant death
Gunshot range, trajectory, entrance/exit wounds help answer the questions
Humans- determining entrance/exit can be difficult
Animals have fur
102 102











	Gunshot Range	
	Determines where to look for evidence, use for recreation	or
	Distant – marked by only bullet perforation	
52	Midrange – marked by powder tattooing	
	Near-contact – marked by wider zone of soot and/or searing (cannot be wiped away) +/- clumps of unburned powder grains	
255	Contact – tight zone of soot and searing	
హ్యా	Shotgun – need to test fire	
	1	08

