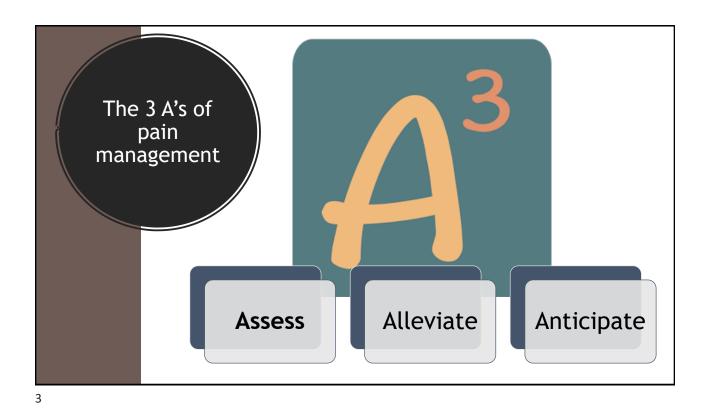


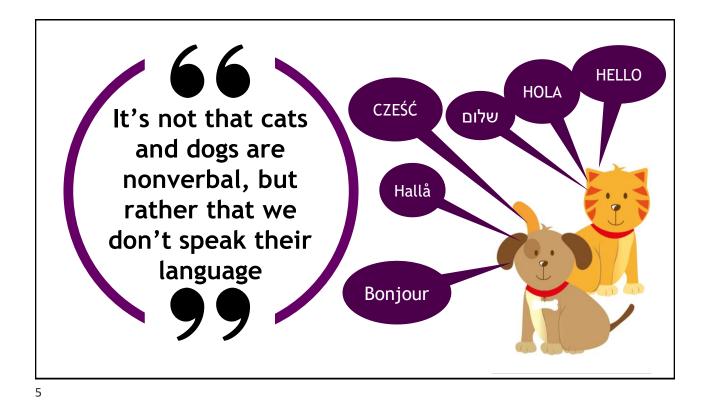


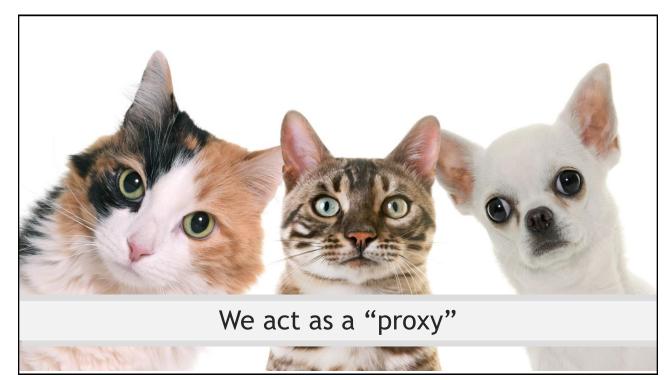
How do we know they hurt? Assessing acute pain in dogs and cats

Sheilah Robertson, Senior Medical Director, Lap of Love Veterinary Hospice



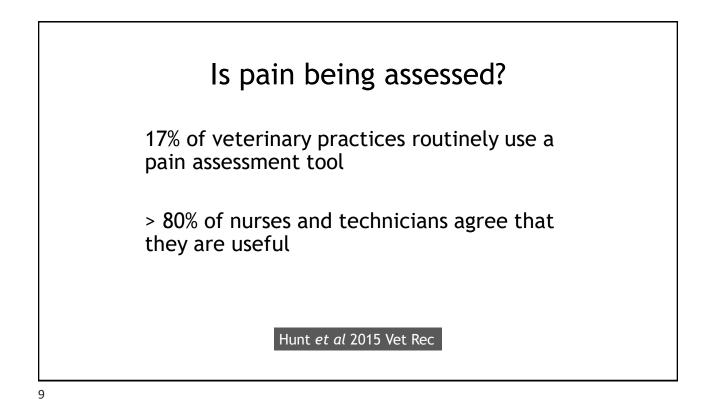












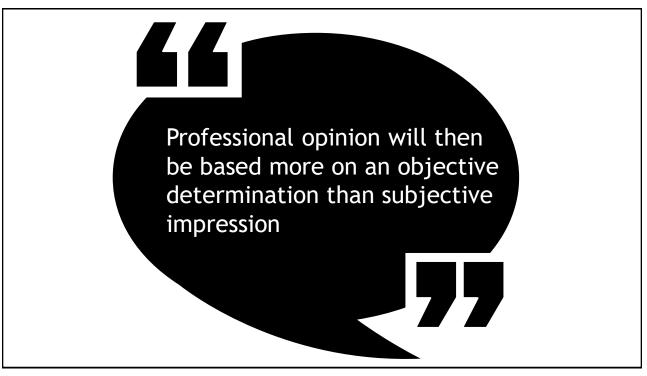
Why is it important?

- Pain has a negative effect on:
 - Gastrointestinal function
 - Appetite
 - Blood pressure
 - Heart rate and rhythm
 - Weight
 - Immune status
 - Healing



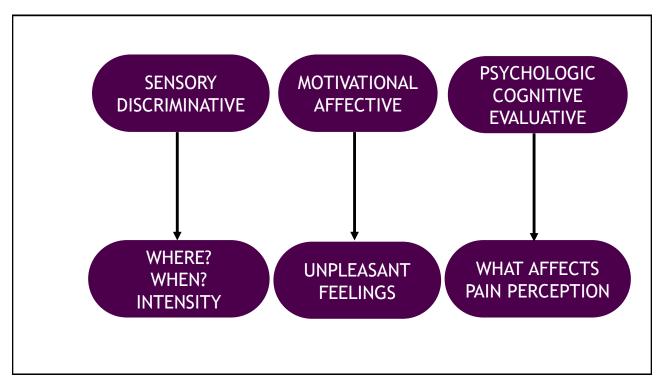


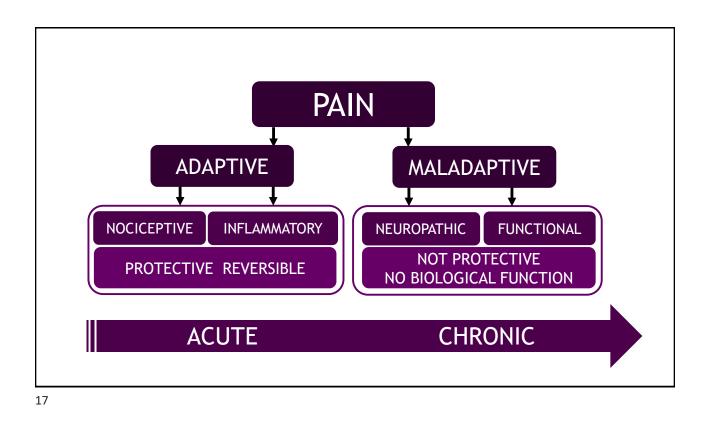


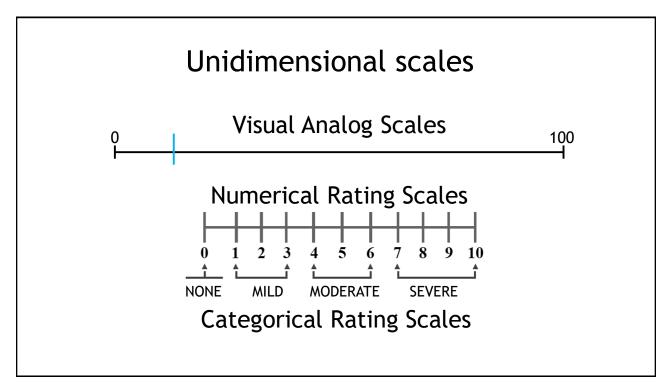


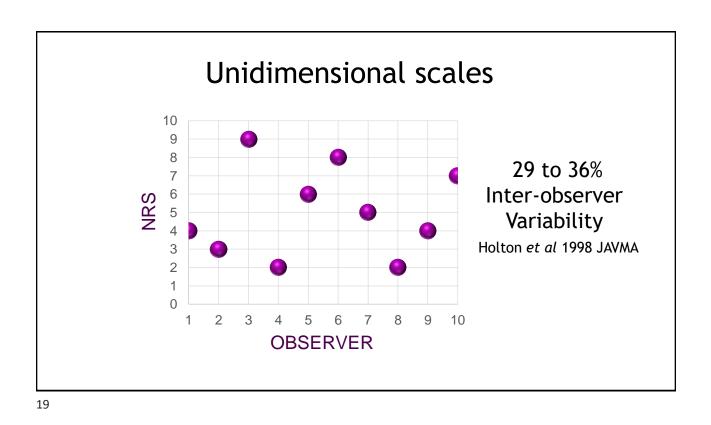




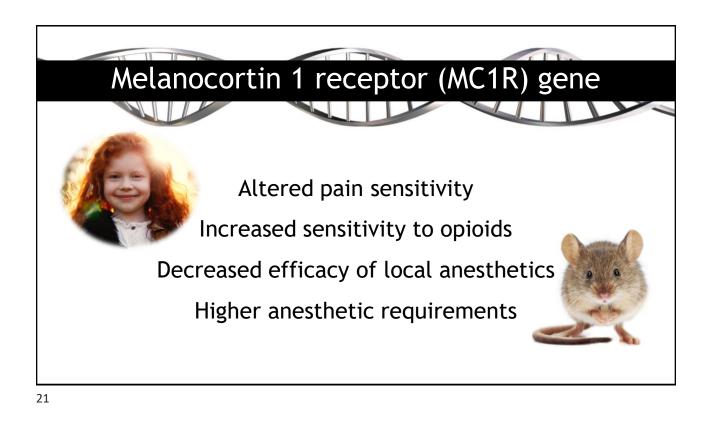


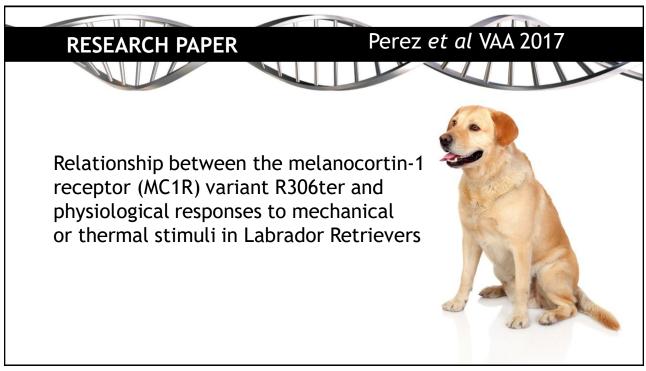




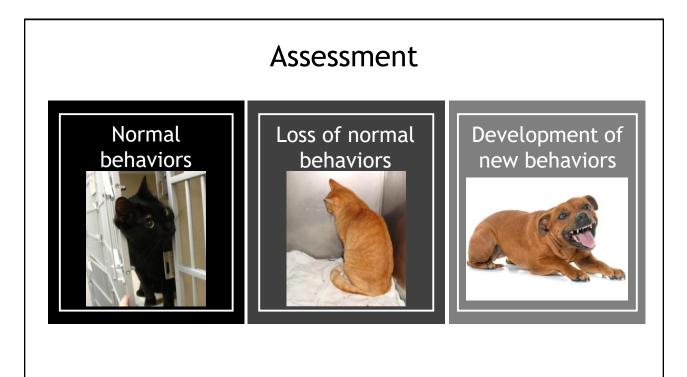










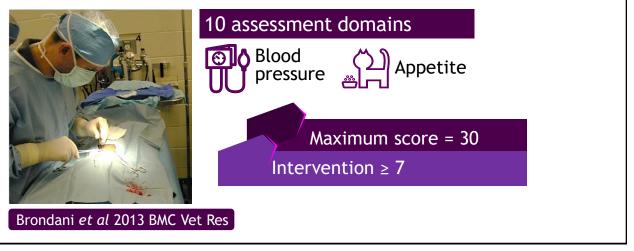




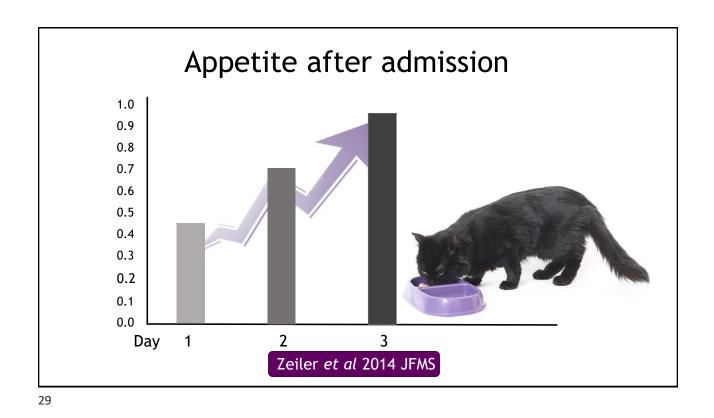
Normal Behavior

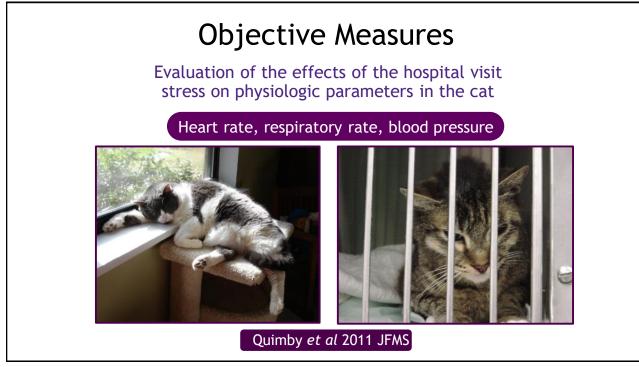


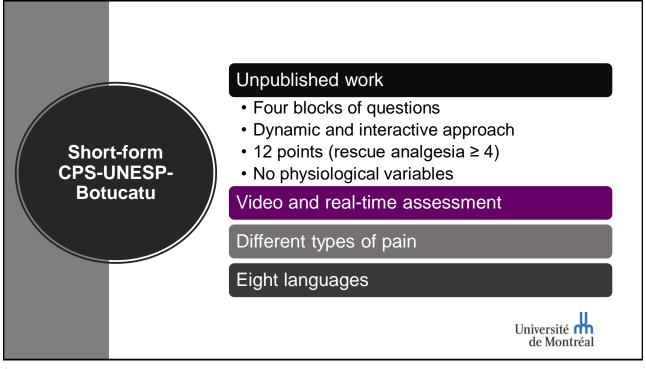
Validation of the English version of the UNESP-Botucatu multidimensional composite pain scale for assessing postoperative pain in cats



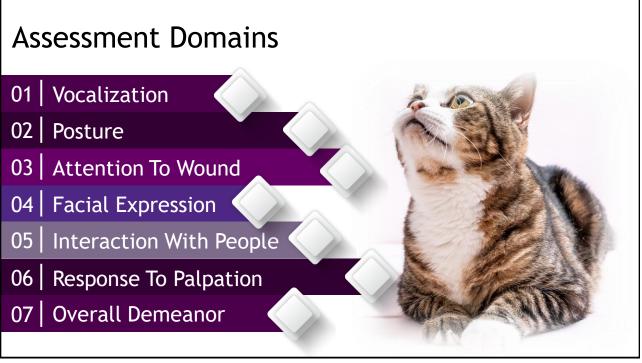




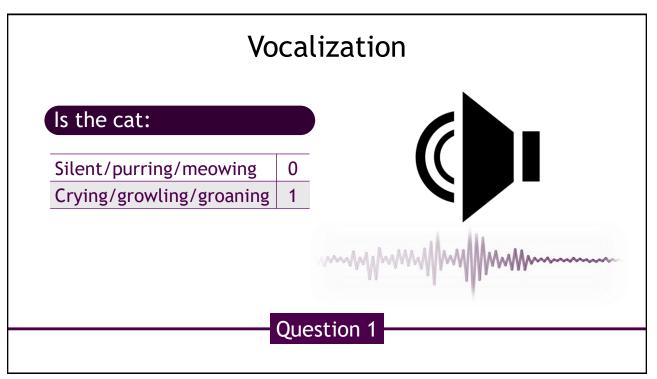










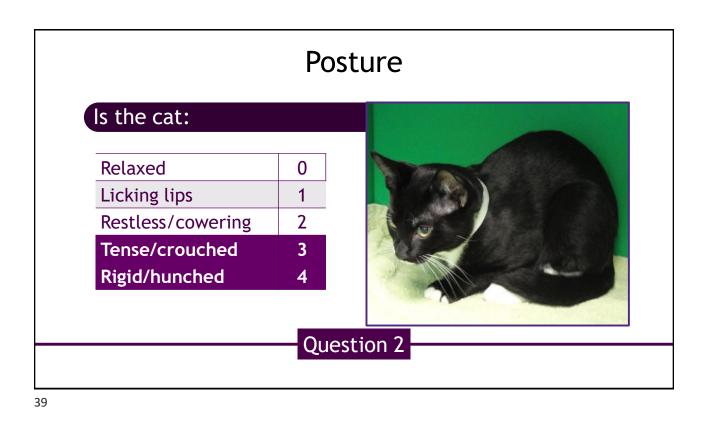




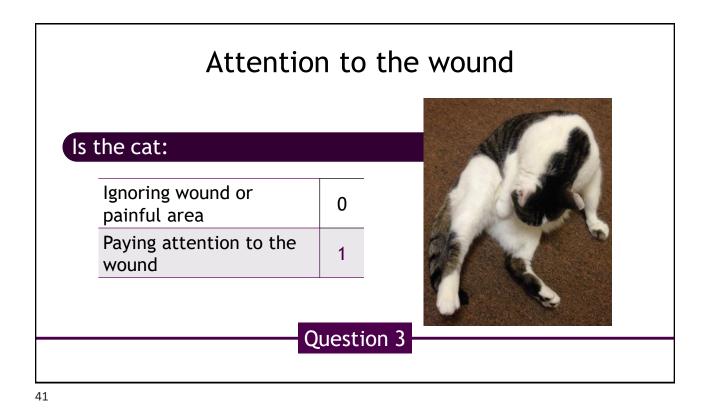
the cat:			- MAL	
Relaxed	0		1	The
Licking lips	1		2	17
Restless/cowering	2	-		RA L
Tense/crouched	3			2000
Rigid/hunched	4			CHER.

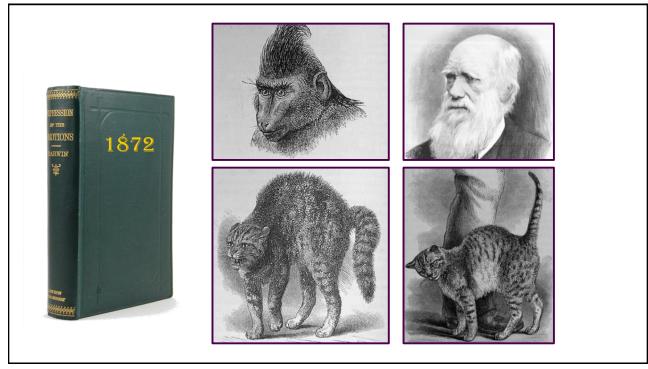
	Pc	sture		
s the cat:			NR.	
Relaxed	0		15	TRAV
Licking lips	1			4.7
Restless/cowering	2	-	- P	
Tense/crouched	3		-	KTD.
Rigid/hunched	4		17	18-16

s the cat:		
Relaxed	0	
Licking lips	1	
Restless/cowering	2	
Tense/crouched	3	
Rigid/hunched	4	A A A A A A A A A A A A A A A A A A A

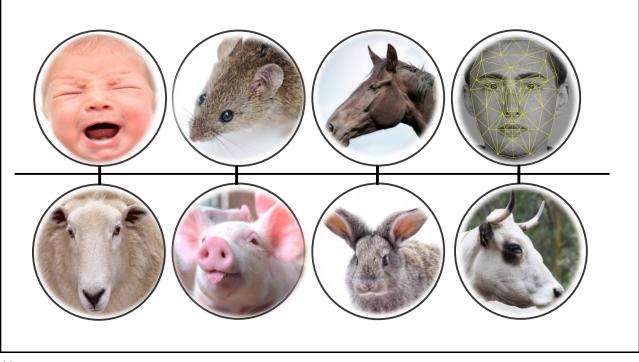








REVIEW ARTICLE Descovich et al 2017 ALTEX Open Access Facial expression: An under-utilized tool for the assessment of welfare in mammals Affective states, emotions Unlearned, hardwired Temporally relevant Measurable Not suppressed Sensitive

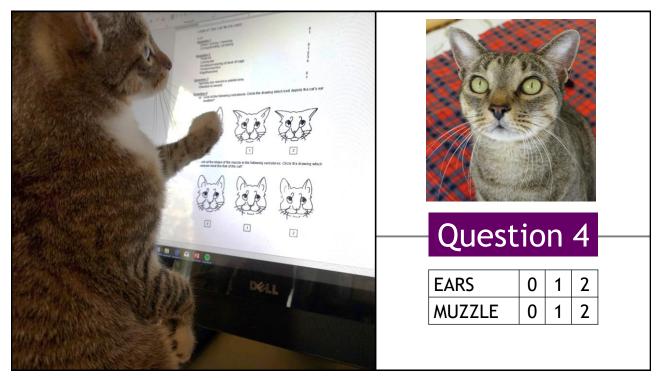


Evaluation of facial expression in acute pain in cats

Ear position and tension in the muzzle



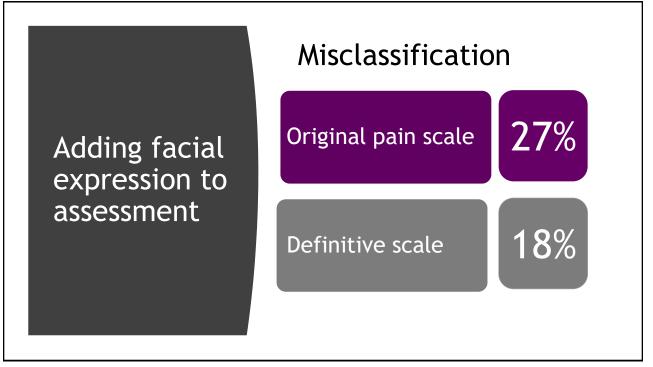
Holden et al 2014 JSAP



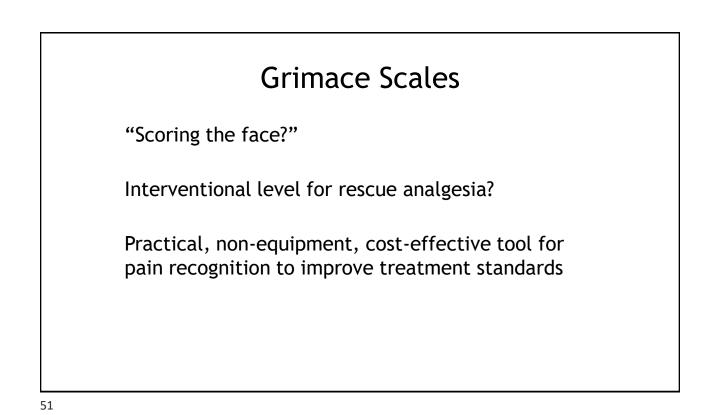


Before and After

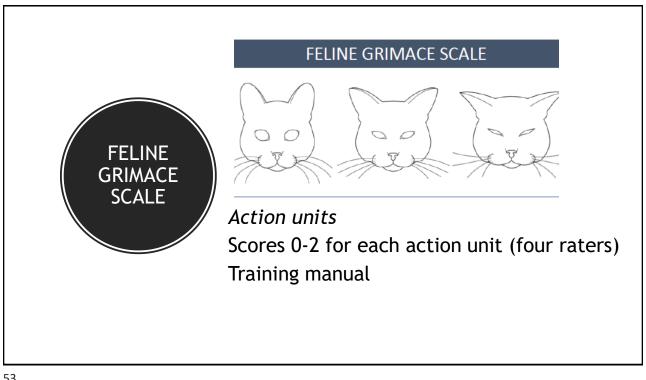




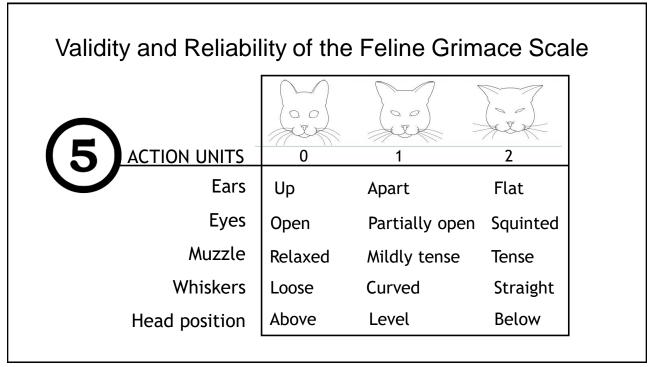






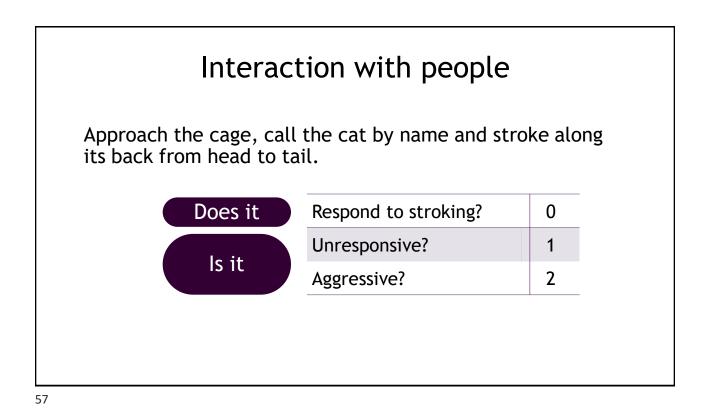






Results Discriminated painful from non-painful cats Correlated well with the rCMFS-Glasgow Inter-observer reliability 0.89 (95 % CI = 0.85-0.92) Intra-observer reliability 0.91 (95 % CI = 0.81-0.95)



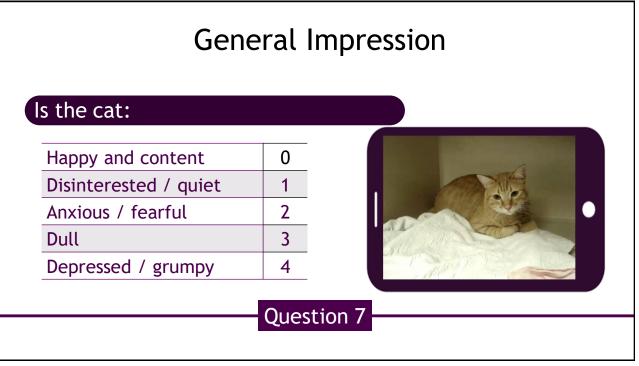




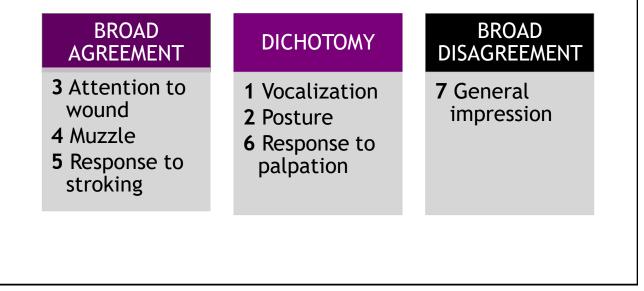
Palpation							
If the cat has a wound or painful area, gently apply pressure around the site							
	Do nothing	0					
	Swish tail or flatten ears	1					
	Cry/hiss	2					
	Growl	3					
	Bite/lash out	4					
	Question 6						

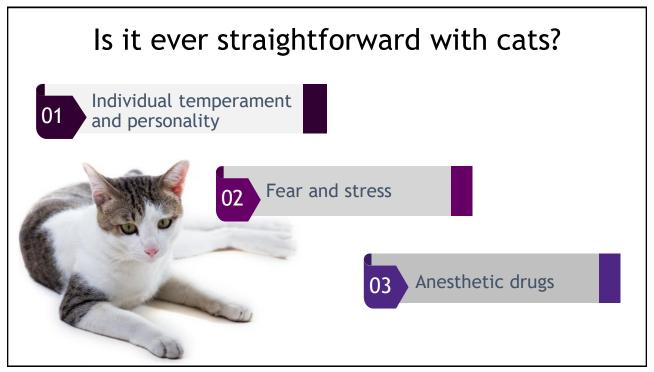


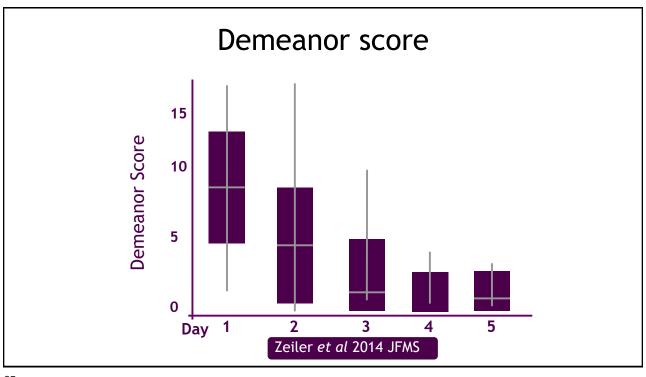












Fear and stress







