

Helping Solve the Pain Puzzle

* 1. Which year did you graduate from veterinary school/university?

* 2. Which veterinary school/university did you graduate from?

* 3. Are you a General Practitioner (GP) or Specialist Veterinarian - if a specialist, what speciality?

General Practitioner

Specialist (please specify)

- * 4. What is your sex?
 - 🔵 Female
 - Male
- * 5. Practice details: In a typical working week what is your percentage of time spent treating dogs compared to cats?
 - 90% dogs / 10% cats
 - 70% dogs / 30% cats
 - 50% dogs / 50% cats
 - 30% dogs / 70% cats
 - 10% dogs / 90% cats
 - 100% cats
- * 6. Practice details: The practice that you work in is?
 - Small animal only
 - Mixed animal
- * 7. In which post code is your practice located?



8. Please indicate whether any of the following NSAIDs are available in your practice.

Carprofen (eg Rimadyl, Carprieve)
Firocoxib (eg Previcox)

- Mavacoxib (eg Trocoxil)
- Meloxicam (eg Metacam)

Robenacoxib (eg Onsior)

None

Other (please specify)

9. Please indicate whether any of the following opiates are available in your practice.

	Buprenorphine (eg Temgesic)
	Butorphanol (eg Torbugesic)
	Fentanyl Injection
	Fentanyl Transdermal patch (eg Durogesic Patch)
	Methadone (eg Methodyne)
	Morphine
	None
	Other (please specify)
10.	Please indicate whether any of the following local anaesthetics are available in your practice.
	Bupivicaine

Lignocaine	
None	
Other (please specify)	

11. Please indicate whether any of the following adjunct or non-traditional analgesics are available in your practice.

	Medetomidine (eg Domitor)
	Maropitant (eg Cerenia)
	Gabapentin
	Ketamine
	Paracetamol
	Paracetomol/codeine
	Tramadol
	None
Othe	er (please specify)

12. In addition to the analgesic products list questions earlier, what additional adjunct treatments do you stock for animals with chronic osteoarthritis (OA)?

Pentosan Polysulfate eg. Cartrophen Vet Injection
Glucosamine/Chondroitin type products
Green Lipped Mussel products
Prescription joint diets eg Hill's j/d
Omega 3 oils
None
Other (please specify)
13. Do you routinely use any of the accredited pain scales in practice?
No
Yes (please specify which)

14. Who routinely assesses the pain needs of each patient that is in hospital ?

Veterinarian

Nurse

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15. Please select which species section(s) you would like to complete

Dog

Cat

Both dog and cat

The following questions relate to your use of analgesics in the peri-operative period in DOGS: Covering NSAIDs, opiates and local anaesthetic techniques.

Peri-operative is defined as the period from premedication/ induction of anaesthesia until 24 hours after surgery

Pre-operative: Time from premedication to induction of anaesthesia Intra-operative: Time from induction of anesthesia to extubation/recovery (dog in sternal recumbancy)

Post-operative: Time from anaethetic recovery (dog in sternal recumbancy)onward

16. In the peri-operative period, in an individual healthy dog when do you first typically administer the NSAID and/or opiate?

	Pre-operative	Intra-operative	Post-operative	n/a
NSAIDs	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Opiates	\bigcirc	\bigcirc	\bigcirc	\bigcirc

17. When using NSAIDs pre- and/or intra-operative in dogs, which of the following do you routinely do?

ĺ	Pre-operative blood tests (eg Complete Blood Count and/or Biochemistry)
	Urinalysis (eg Urine Specific Gravity)
	Blood pressure monitoring
	Intravenous Fluid Therapy
ĺ	None

18. When considering which NSAID to give in the peri-operative/post-operative period to dogs how important (on a scale of 0 [not important] to 3 [very important]) do you rate the following factors

	0 - Not Important	1	2	3 - Very Important
Analgesic efficacy				
Availability of an injectable preparation				
Registered indications				
COX 1/ COX 2 selectivity				
Tissue selectivity				
Reported safety (side effects)				
Continuation of same NSAID if patient is on long term therapy				
Available product literature / information				
Cost				
Practice purchasing policy				
Practice protocols				
Relationship with company representative				
Ease of continuing therapy after discharge (e.g. formulation, palatability)				

19. When considering which opiate to give in the peri-operative/post-operative period to dogs how important (on a scale of 0 [not important] to 3 [very important]) do you rate the following factors?

	0 - Not Important	1	2	3 - Very Important
Analgesic efficacy				
How painful the animal is before surgery				
Expected pain level				
Reported safety (side effects)				
Registered indications				
Duration of action				
Cost				
Record keeping / storage requirements				
Experience of using the opioid				
Ease of continuing therapy after discharge (e.g. formulation)				

20. Do you routinely use any local anaesthetic (LA) techniques in dogs?

- Yes
-) No

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21. If Yes, please select all which you routinely use of the following local anaesthetic (LA) techniques.

- Maxillary or mandibular nerve block for dental procedures
- Infiltration of local anaesthetic around teeth for dental procedures
- Infiltration of local anaesthetic around skin incisions
- Intratesticular local anaesthetic for castration
- Epidural anaesthesia or analgesia for hind limb procedures
- Brachial plexus block for procedures distal to elbow
- Infiltration of local anaesthetic into surgical wounds
- Use of infiltration catheters placed into surgical wounds
- Mid humeral block (RUMM block) for procedures distal to the elbow



The following question relates to your use of drugs for providing analgesia to DOGS

This section has a selection of surgical procedures and medical conditions that you may or may not consider require analgesic administration and are commonly encountered in dogs. Please indicate which drug(s) you would administer for the conditions and procedures, and for how long you would administer them for after surgery

If you use any of the outlined analgesic options in the pre/intra-operative period and also continue them in the post operative period please select both the pre/intra-operative period and also the length of time you administer it post operatively. If you do not use the analgesic option in the pre/intra-operative period, only choose the the length of time you administer it post operatively if used. See examples below of how to answer.

Leave analgesic option blank if not used

Answer example: Give a single NSAID dose post-operative and use an opiate in my premedication only (pre-op/intra-op)

	Pre-op/Intra-op	Post-operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID		\checkmark				
Opiate	\checkmark					
Adjunctive						
Tramadol						
Other						

Answer example: Give an opiate and NSAID in the pre-operative period, and continue patient on NSAID for 24-48 hours post-operative.

	Pre-op/Intra-op	Post-operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID	\checkmark		\checkmark			
Opiate	\checkmark					
Adjunctive						
Tramadol						
Other						

22. Procedure or condition: **Forelimb or hindlimb orthopaedic surgery (e.g. fracture repair)**. If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	(s) used					

23. Procedure or condition: **Abdominal surgery other than ovariohysterectomy (OVH)**. If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other dru	ıg(s) used					

24. Procedure or condition: **Ovariohysterectomy (OVH), non-laparoscopic**. If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	(s) used					

25. Procedure or condition: **Castration**. If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	j(s) used					

26. Procedure or condition: **Ear flush for otitis externa under GA** If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	g(s) used					

27. Procedure or condition: **Dental with extractions**. If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	(s) used					

28. Procedure or condition: **Extracapsular cruciate repair**. If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	g(s) used					

29. Procedure or condition: **Simple Lump Removal (5 to 10 cm skin incision).** If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	(s) used					

The following section relates to pain assessment in adult DOGS

30. In your opinion how severe would the pain be in adult dogs undergoing the following procedures or diagnosed with the following diseases? Assume that NO analgesic drug was given for the following situations. Estimate pain severity on a 10-point scale where 1 is no pain and 10 is worst pain imaginable.

	0 - No Pain	1	2	3	4	5	6	7	8	9	10 - Worst Pain
Hindlimb or forelimb orthopaedic surgery e.g. fracture repair											
Abdominal surgery other than OVH											
Non laparoscopic (open) OVH											
Castration											
Ear flush for otitis externa under GA											
Dental with extractions											
Acute Pancreatitis											
Simple Lump Removal (5 to 10 cm skin incision)											
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In relation to management of osteoarthritis (OA) in DOGS:

31. For the medical management of OA in dogs which of the following do you typically recommend in mild, moderate and severe OA? If you do not recommend an option, please leave blank

	Mild (Early) OA	Moderate OA	Severe (Advance) OA
NSAIDs			
Pentosan Polysulfate Injection(s)			
Tramadol			
Nutraceutical – Glucosamine Chondroitin formulation			
Nutraceutical – Green lipped mussel formulation			
Prescription Joint Diet			
Lifestyle management (e.g. exercise restriction, weight management)			
Physiotherapy			
Intra-articular injection of 6 month long-acting solutions (stem cells, peptide)			
Acupuncture			
Homeopathy			

32. When considering which NSAID to give to dogs with OA how important (on a scale of 0 [not important] to 3 [very important]) do you rate the following factors

	0 - Not Important	1	2	3 - Very Important
Analgesic efficacy				
Registered indications				
COX 1/ COX 2 selectivity				
Tissue selectivity				
Reported safety (side effects)				
Ease of administration to patient on long term therapy (e.g. formulation, palatability)				
Available product literature / information				
Cost				
Practice purchasing policy				
Relationship with company representative				
Research and developed brand name product				

33. When considering which nutraceutical to give to dogs with OA how important (on a scale of 0 [not important] to 3 [very important]) do you rate the following factors

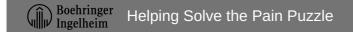
	0 - Not Important	1	2	3 - Very Important
Published efficacy				
Positive owner feedback of response				
Product leaflet indications				
Reported safety (side effects)				
Ease of administration to patient on long term therapy (e.g. formulation, palatability)				
Available product literature / information				
Cost				
Practice purchasing policy				
Relationship with company representative				
Only available from Veterinary Wholesalers				

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34. Do you wish to enter and complete the cats section of the survey or continue to finalise the survey?

Complete cat section

Go to section on OA case monitoring to complete the survey



The following questions relate to your use of analgesics in the peri-operative period in CATS: Covering NSAIDs, Opiates and Local Anaethetic techniques

Peri-operative is defined as the period from premedication/ induction of anaesthesia until 24 hours after surgery

Pre-operative: Time from premedication to induction of anaesthesia Intra-operative: Time from induction of anesthesia to extubation/recovery (cat in sternal recumbancy)

Post-operative: Time from anaethetic recovery (cat in sternal recumbancy) onward

35. In the peri-operative period, in an individual healthy cat when do you first typically administer the NSAID and/or opiate?

	Pre-operative	Intra-operative	Post-operative	n/a
NSAIDs	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Opiates	\bigcirc	\bigcirc	\bigcirc	\bigcirc

36. When using NSAIDs which of the following do you do in the pre-operative and/or intra-operative period.

Preoperative blood tests (Complete Blood Count and/or Biochemistry)

Urinalysis (Urine Specific Gravity)

Blood pressure monitoring

Intravenous Fluid Therapy

None

37. When considering which NSAID to give in the peri-operative/post -operative period to cats how important (on a scale of 0 [not important] to 3 [very important]) do you rate the following factors

	0 - Not Important	1	2	3 - Very Important
Analgesic efficacy				
Availability of an injectable preparation				
Registered indications				
COX 1/ COX 2 selectivity				
Tissue selectivity				
Reported safety (side effects)				
Continuation of same NSAID if patient is on long term therapy				
Available product literature / information				
Cost				
Practice purchasing policy				
Practice protocols				
Relationship with company representative				
Ease of continuing therapy after discharge (e.g. formulation, palatability)				

38. When considering which opioid to give in the peri-operative/post-operative period to cats how important (on a scale of 0 [not important] to 3 [very important]) do you rate the following factors?

	0 - Not Important	1	2	3 - Very Important
Analgesic efficacy				
How painful the animal is before surgery				
Expected pain level				
Reported safety (side effects)				
Registered indications				
Duration of action				
Cost				
Record keeping / storage requirements				
Experience of using the opioid				
Ease of continuing therapy after discharge (e.g. formulation)				

39. Do you routinely use any local anaesthetic (LA) techniques in cats?

- Yes
-) No

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40. If Yes, please select all which you routinely use of the following local anaesthetic (LA) techniques.

- Maxillary or mandibular nerve block for dental procedures
- Infiltration of local anaesthetic around teeth for dental procedures
- Infiltration of local anaesthetic around skin incisions
- Intratesticular local anaesthetic for castration
- Epidural anaesthesia or analgesia for hind limb procedures
- Brachial plexus block for procedures distal to elbow
- Infiltration of local anaesthetic into surgical wounds
- Use of infiltration catheters placed into surgical wounds
- Mid humeral block (RUMM block) for procedures distal to the elbow



The following question relates to your use of drugs for providing analgesia to CATS

This section has a selection of surgical procedures and medical conditions that you may or may not consider require analgesic administration and are commonly encountered in cats. Please indicate which drug(s) you would administer for the conditions and procedures, and for how long you would administer them for after surgery

If you use any of the outlined analgesic options in the pre/intra-operative period and also continue them in the post operative period please select both the pre/intra-operative period and also the length of time you administer it post operatively. If you do not use the analgesic option in the pre/intra-operative period, only choose the the length of time you administer it post operatively if used. See examples below of how to answer.

Leave analgesic option blank if not used

Answer example: Give a single NSAID dose post-operative and use an opiate in my premedication only (pre-op/intra-op)

	Pre-op/Intra-op	Post-operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID		\checkmark				
Opiate	\checkmark					
Adjunctive						
Tramadol						
Other						

Answer example: Give an opiate and NSAID in the pre-operative period, and continue patient on NSAID for 24-48 hours post-operative.

	Pre-op/Intra-op	Post-operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID	\checkmark		\checkmark			
Opiate	\checkmark					
Adjunctive						
Tramadol						
Other						

41. Procedure or condition: **Forelimb or hindlimb orthopaedic surgery (e.g. fracture repair)** in cats. If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	g(s) used					

42. Procedure or condition: **Ruptured diaphragm**. If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	(s) used					

43. Procedure or condition: **Abdominal surgery other than ovariohysterectomy (OVH)**. If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	(s) used					

44. Procedure or condition: **Ovariohysterectomy (OVH), non-laparoscopic**. If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	(s) used					

45. Procedure or condition: **Dental with extractions**. If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	g(s) used					

46. Procedure or condition: **Lump removal - 5cm skin incision** If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug	(s) used					

47. Procedure or condition: **Relief of urethral obstruction**. If used, for how long would you continue each class of analgesic drug below after the end of surgery

	Pre-op/Intra-op	Post- operative < 24 hours	Post-operative for 24 - 48 hours	Post-operative for 48 - 72 hours	Post-operative for 3 - 7 days	Post-operative for >7 days
NSAID						
Opiate						
Adjunctive						
Tramadol						
Other						
Please specify other drug(s) used						

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The following section relates to pain assessment in adult CATS.

48. In your opinion how severe would the pain be in adult cats undergoing the following procedures or diagnosed with the following diseases? Assume that NO analgesic drug was given for the following situations. Estimate pain severity on a 10-point scale where 1 is no pain and 10 is worst pain imaginable.

	0 - No Pain	1	2	3	4	5	6	7	8	9	10 - Worst Pain
Hindlimb or forelimb orthopaedic surgery e.g. fracture repair											
Ruptured diaphragm repair											
Abdominal surgery other than OVH											
OVH, non-laparoscopic											
Castration											
Dental with extractions											
Lump removal - 5cm skin incision											
Relief of urethral obstruction											
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In relation to management of osteoarthritis (OA) in CATS:

49. For the medical management of OA in cats which of the following do you typically recommend in mild, moderate and severe OA? If you do not recommend an option, please leave blank

	Mild (Early) OA	Moderate OA	Severe (Advance) OA
NSAIDs			
Pentosan Polysulfate Injection(s)			
Tramadol			
Nutraceutical – Glucosamine Chondroitin formulation			
Nutraceutical – Green lipped mussel formulation			
Prescription Joint Diet			
Lifestyle management (e.g. exercise restriction, weight management)			
Physiotherapy			
Intra-articular injection of 6 month long-acting solutions (stem cells, peptide)			
Acupuncture			
Homeopathy			

50. When considering which NSAID to give to cats with OA how important (on a scale of 0 [not important] to 3 [very important]) do you rate the following factors

	0 - Not Important	1	2	3 - Very Important
Analgesic efficacy				
Registered indications				
COX 1/ COX 2 selectivity				
Tissue selectivity				
Reported safety (side effects)				
Ease of administration to patient on long term therapy (e.g. formulation, palatability)				
Available product literature / information				
Cost				
Practice purchasing policy				
Relationship with company representative				
Research and developed brand name product				

51. When considering which nutraceutical to give to cats with OA how important (on a scale of 0 [not important] to 3 [very important]) do you rate the following factors

	0 - Not Important	1	2	3 - Very Important	
Published efficacy					
Positive owner feedback of response					
Product leaflet indications					
Reported safety (side effects)					
Ease of administration to patient on long term therapy (e.g. formulation, palatability)					
Available product literature / information					
Cost					
Practice purchasing policy					
Relationship with company representative					
Only available from Veterinary Wholesalers					
Boehringer Helpi					
Boehringer Helping Solve the Pain Puzzle					

Question about OA patient monitoring

52. When prescribing NSAIDs for a DOG and/or CAT with OA for the first time, do you recommend routine screening blood/urine tests?

	DOG	CAT
Never		
Yes, always for all		
Yes, only if suspicious of pre-existing disease		
Yes, only if geriatric		
Yes, only under these circumstanc	es (please specify)	

53. When a DOG and/or CAT with OA is prescribed an NSAID for medical management how frequently do you recommend recheck consultations?

	Never	Monthly	Every 3 months	Every 6 months	Every 12 months
DOG	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
CAT	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc

Dosing treatment to effect:

54. When a DOG and/or CAT with OA is prescribed an NSAID for medical management how frequently do you dose to effect (eg titrate the dose in response to therapy)?

	Never	Sometimes	Often/Always
DOG	\bigcirc	\bigcirc	\bigcirc
CAT	\bigcirc	\bigcirc	\bigcirc