

Consultancy services

Boehringer Ingelheim, Dechra, Elanco and Zoetis

### Disclosure

Key-opinion leader

Boehringer Ingelheim, Dechra, Elanco, Vetoquinol and Zoetis

Speaker honoraria

Boehringer Ingelheim, Dechra, Elanco and Zoetis

### 2022 ISFM Consensus Guidelines on the Management of Acute Pain in Cats

### isfm

Paulo V Stengall My, NSc, Plant Co-Chair Paulo Co-Chair Paulo Co-Chair Colorios Scotcow, Faculty of Veterinary Medions, Oriental Scotcow, Faculty of Veterinary Medions, Oriental Od Motorios, South-Apostment of Veterinary Griston Scotarios and Carbo for Companyant Annual Hough, Joseph Westman, Mediches and Life Sciences, City (Inventor Land Life Sciences, City (Inventor) of Lings Science, Chair Scotarios, Chair Science, Carlo (Inventor) of Lings Science, Chair Science, Chair Science, Chair Science, Chair Science, Chair Science, Chair Science, Carlo (Inventor) of Chair Science, Carlo (Inventor) o

Shellsh Rebertson Britis (Hone), PhD, DACMA, DECMA, DACME, DECAMBM MISEL), MINOUS Panel Co-Chair ap of Low Witemary Hospics Lutz Florida, USA

DVM. MSc. DACYMA

Practical relevance: Increases in cat ownership worldwide mean more cats are equiring veterinary care. Bless, trauma and surgery can result in acute pain, and effective management of pain is required for optimal feline welfare (is, physical health and mental wellbeing). Weldated pain assessment tools are available and pain management plans for the individual patient should incorpant pharmacological and non-pharmacological therapy. Preventive and multimodal analgosis, including local

anaesthesia, are important principles of pain management, and the choice of analgesic

drugs should take into account the type, severity and duration of pain, presence of comorbidities and avoidance of adverse effects. Nursing care, environmental modifications and call hierally handling see "laterate proceed to the pain management plan, as is a team approach, involving the call care." Clinical challenges: Pain has traditionally been under-recognised in cats. Pain assessment tools are not widely implemented, and signs of pain in this species may be subtle. The unique challenges of feline metabolism and comorbidities may lead to undertreatment of pain and the development of periphenal and cactral sensitiation. Lack of availability or experience with various analysis drugs may comportise effective pain management.

Evidence hase: These Guidelines have been created by a panel of experts and the international Society of Feline Medicine (SEFM) based on the available literature and the authors' experience. They are aimed at general practitioners to assest in the assessment, prevention and management of acute pain in telms patients, and to provide a practical guide to selection and dosing of effective analysis agents.

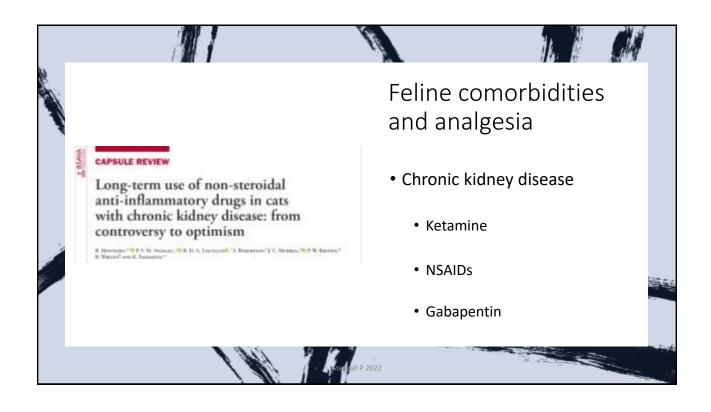
Keywords: Acuts; analgesia; anti-inflammatory drugs; behaviour; dental; facial expressions; pain assessment; opicid; ovariohysterectomy

Steagall P 202

'Pain management is not only about giving an analgesic drug: the emotional needs of the cat must be considered, and the patient should always be treated with respect and empathy'

Steagall et al. 2022 - ISFM guidelines







# played by



### Serum concentrations of gabapentin in cats with chronic kidney disease

Jessica M Quimby<sup>10</sup>, Sarah K Lorbach<sup>1</sup>, Ashlie Saffire<sup>2</sup>, Amanda Kennedy<sup>2</sup>, Luke A Wittenburg<sup>3</sup>, Turi K Aarnes<sup>1</sup>, Karina J Creighton<sup>1\*</sup>, Sarah E Jones<sup>1</sup>, Rene E Paschall<sup>1</sup>, Emily M King<sup>1</sup>, Clara E Bruner<sup>1†</sup>, Jessica N Wallinger<sup>1</sup> and Karen A van Haaften<sup>4</sup> Journal of Feline Medicine and Surgery 1–7

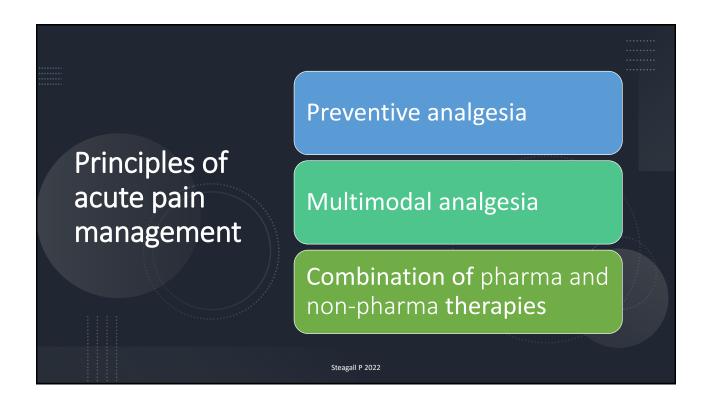
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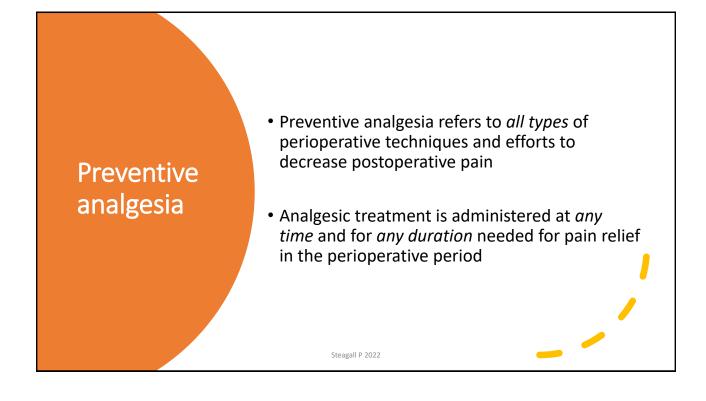
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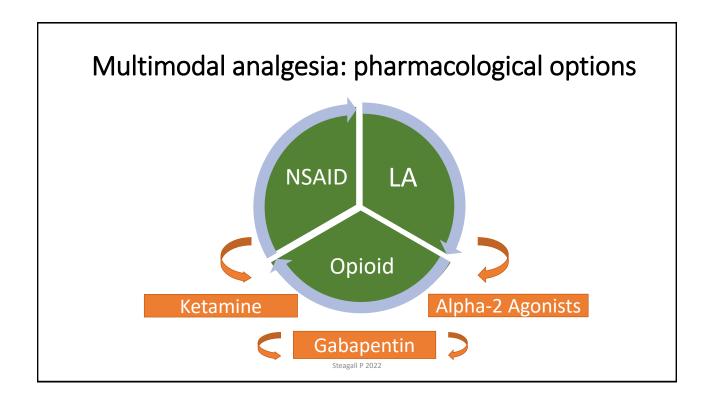
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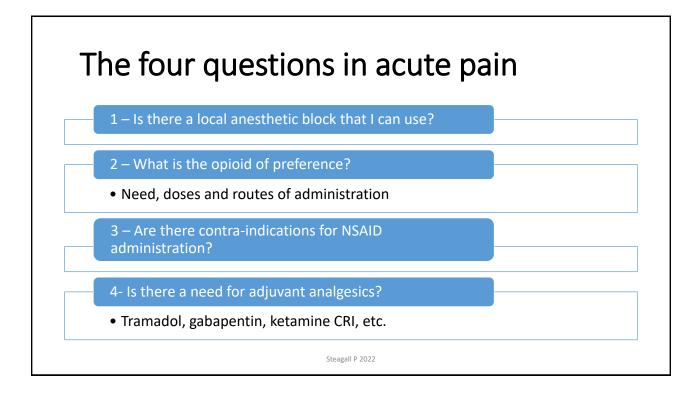
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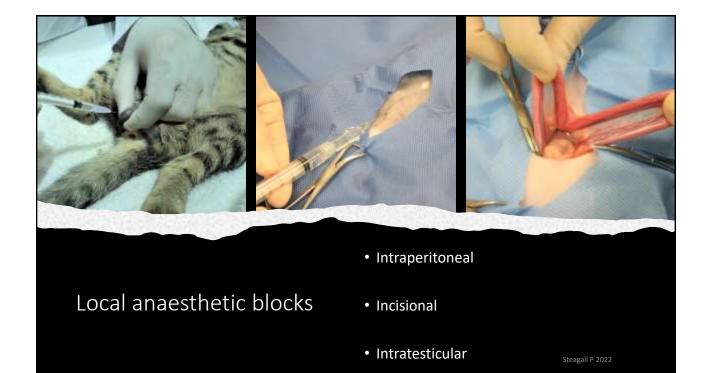












### **CAPSULE REVIEW**

# Intraperitoneal and incisional analgesia in small animals: simple, cost-effective techniques

P. V. M. Steagall <sup>©1,\*</sup>, J. Benito\*, B. Monteiro <sup>©\*</sup>, D. Lascelles<sup>†</sup>, P. W. Kronen<sup>‡</sup>, J. C. Murrell <sup>©5</sup>, S. Robertson<sup>‡</sup>, B. Wright<sup>‡</sup> and K. Yamashita\*\*

Journal of Small Animal Practice (2019) DOI: 10.1111/jsap.13084



### Opioid analgesics

- Which one? When? What route?
  - Methadone
  - Buprenorphine
  - Butorphanol
- Opioid shortage or unavailability
- The concept of opioid-free and opioid-sparing

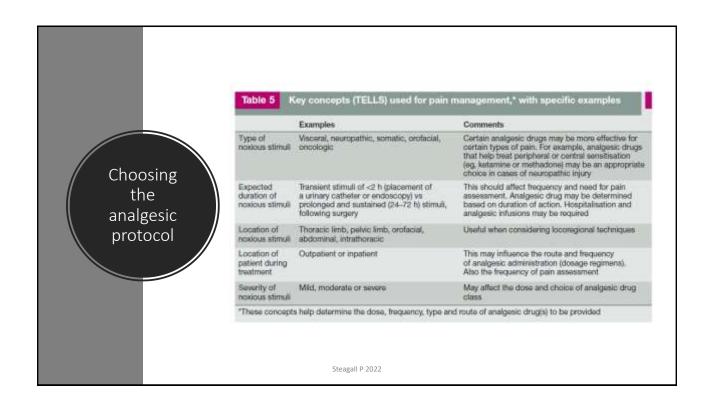
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### **NSAIDs**

- Inflammation and acute pain
- Contraindications
- Fear of NSAID-induced adverse effects
- Which one?



# Adjuvant analgesics Dexmedetomidine (premedication) Ketamine infusion Tramadol (PO or IM/IV) Gabapentin (PO)







Gabapentin

–
Perioperative
use

Analgesic effects of gabapentin and buprenorphine in cats undergoing ovariohysterectomy using two pain-scoring systems: a randomized clinical trial

Paulo V Steagall<sup>1,2</sup>, Javier Benito<sup>1</sup>, Beatriz P Monteiro<sup>2,3</sup>, Graeme M Doodnaught<sup>1,2</sup>, Guy Beauchamp<sup>4</sup> and Marina C Evangelista<sup>1,2</sup>

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### Antiemetics: maropitant

- NK-1 receptor antagonist blocking substance P
- Patient Comfort
  - Reduced vomiting and discomfort after opioids
  - CKD
- Clinical use
  - Reduced vomiting, improved recovery and appetite
  - 1 mg/kg SC, 1h before opioid administration
  - 8 mg/cat PO, 2.5h or 20h before premedication

### Nursing care

- Patient positioning
- Nutrition
- Fluid therapy
- Bladder care
- Management of constipation



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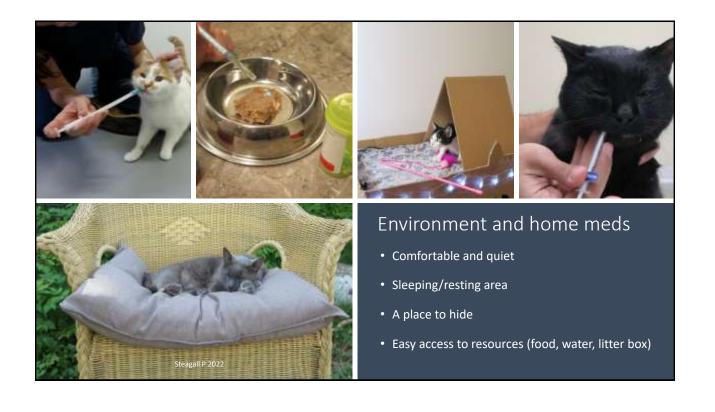
### Non-pharmacological therapy

- Wound care
- Comfortable bandaging
- Cold therapy



### Environment (clinic)

- Cat Friendly Clinic
  - ISFM Cat Friendly Clinic accreditation
  - AAFP Cat Friendly Practice Program
- Away from dogs
- Comfortable bed
- Somewhere to hide
- Gentle handling and stress reduction





## A BRIGHT FUTURE FOR FELINE PAIN MANAGEMENT

- Feline Health in first place
- · Avoiding fear, stress and anxiety
- · Feline friendly handling techniques
- · Understanding of feline behaviors
- · Automation of feline pain assessment
- · Novel drugs for feline pain management





PAIN ASSESSMENT





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### FINAL REMARKS

- Basics
- · Simple and practical
- · TLC



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