

**Abstracts presented at the Association of Veterinary Anaesthetists' meeting on the 8th & 9th September 2023, Warsaw, Poland (listed in alphabetical order by last name of the first author)**

The following studies received ethical approval by institutional and/or national review committees, where appropriate.

**Oral presentations**

**Canine**

**Correlation of Doppler ultrasound sphygmomanometer needle oscillation and audible pulse return with invasive systolic blood pressure in anaesthetised dogs: preliminary results**

Armour M.<sup>1</sup>, Borland K.<sup>1</sup>, Schofield I.<sup>2</sup>, Michou J.<sup>1</sup>

<sup>1</sup>*Lumbry Park Veterinary Specialists, Alton, UK*

<sup>2</sup>*CVS group plc, Diss, UK*

**Efficacy of an endotracheal tube cleaning protocol in dogs anaesthetised for routine clinical procedures**

Ascione F.<sup>1</sup>, Radu I.L.<sup>1</sup>, Di Nola S.<sup>1</sup>, Furlanello T.<sup>1</sup>, Carli E.<sup>1,2</sup>, Catelan D.<sup>2</sup>, Bortolami E.<sup>1</sup>

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<sup>2</sup>*Unit of Biostatistics, Epidemiology and Public Health, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padova, Italy*

**Sedative, antinociceptive and cardiorespiratory effects of intranasal dexmedetomidine combined with methadone in healthy dogs**

Bustamante R., Canfrán S.; Gómez de Segura I.A.

*Complutense Veterinary Teaching Hospital, Complutense University of Madrid, Madrid, Spain*

**Comparison of the effects of propofol and alfaxalone on the electrocardiogram of dogs, with particular reference to the QT interval**

Casoria V.<sup>1</sup>, Greet V.<sup>2</sup>, Auckburally A.<sup>1</sup>, Murphy S.<sup>1</sup>, Flaherty D.<sup>1</sup>

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**Outcome of Opioid Free Anaesthetic Plan in Fourteen Dogs Undergoing Enuclation Using an Ultrasound-Guided Supra-temporal Retrobulbar Block: A Retrospective Case Series**

Citarella G.<sup>1</sup>, Corona D.<sup>1</sup>, Parsons E.<sup>2</sup>, Giannikaki S.<sup>3</sup>, Rioja E.<sup>2</sup>

<sup>1</sup>*Section of Anaesthesiology, Department of Clinical Diagnostics and Services, Vetsuisse Faculty, University of Zurich, Zürich, Switzerland*

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<sup>3</sup>*Meyevet, Athens, Greece*

**Perioperative analgesic efficacy of lumbar erector spinae plane block in dogs undergoing hemilaminectomy: a randomized blinded clinical trial**

Degani M.<sup>1</sup>, Briganti A.<sup>2</sup>, Dupont J<sup>1</sup>, Tutunaru A<sup>1</sup>, Picavet P.P.<sup>1</sup>, Bolen G<sup>1</sup>, Sandersen C.<sup>1</sup>

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**Peri-anaesthetic complications in dogs undergoing lateral thoracotomy or median sternotomy: a retrospective study at a single University teaching hospital**

De Celis Perez C.<sup>1</sup>, Ward R.<sup>2</sup>

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<sup>2</sup>*Royal (Dick) School of Veterinary Studies, Edinburgh, Roslin, Midlothian, UK*

**Ultrasound-guided incremental positive end expiratory pressure lung recruitment in healthy anaesthetized dogs with sonographically detectable lung atelectasis**

Di Franco C.<sup>1</sup>, Boysen S.<sup>2</sup>, Sainati E.<sup>1</sup>, Evangelista F.<sup>1</sup>, Briganti A.<sup>1</sup>

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<sup>2</sup>*University of Calgary, Faculty of Veterinary Medicine, Calgary, AB, Canada*

**The effects of mitral regurgitation on anesthetic management, complications and mortality in dogs**

Dorfman D.<sup>1</sup>, Abu Ahmad W.<sup>2</sup>, Ohad D.<sup>1</sup>, Kushnir Y.<sup>1</sup>

<sup>1</sup>*Koret School of Veterinary Medicine, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Israel*

<sup>2</sup>*Hadassah Braun School of Public Health and Community Medicine, Hebrew University of Jerusalem, Jerusalem, Israel*

**Ultrasound-guided bilateral quadratus lumborum block in dogs undergoing abdominal surgery: a retrospective study**

Fontana K.<sup>1</sup>, Battaglia G.<sup>1</sup>, Ascione F.<sup>1</sup>, Cardinali P.<sup>1</sup>, Ventura L.<sup>2</sup>, Bortolami E.<sup>1</sup>

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<sup>2</sup>*Department of Statistical Sciences, University of Padova, Padova, Italy*

**Retrospective comparison between low volume – high concentration and high volume – low concentration bilateral erector spinae plane block in dogs undergoing hemilaminectomy**

Martínez I Ferré B.<sup>1</sup>, Martín Bellido V.<sup>1</sup>, Viilmann I.<sup>1</sup>, Vettorato E.<sup>2</sup>

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**Remote respiratory rate monitoring with a gyroscopic wireless device in dogs recovering from general anaesthesia or sedation**

McFadzean W.J.M.<sup>1</sup>, Grint N.J.<sup>2</sup>

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**Comparison of sedation quality and hemodynamics in privately-owned adult dogs undergoing intradermal skin testing with Zenalpha or Dexdomitor**

McKenzie S.R.<sup>1</sup>, Chiavaccini L.<sup>1</sup>, Moura R.A.<sup>2</sup>, Santoro D.<sup>3</sup>

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*<sup>3</sup>Department of Small Animal Clinical Sciences, University of Florida, Gainesville, FL, USA*

**Comparison of clinical effects of epidural ropivacaine with morphine versus bupivacaine with morphine in dogs undergoing pelvic limb or caudal abdominal surgery**

Mead S.A.<sup>1</sup>, Self I.A.<sup>2</sup>

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*<sup>2</sup>Harper & Keele Veterinary School, Newport, UK*

**Intramuscular alfaxalone effects on sedation quality, cardiorespiratory function, stress response and anaesthetic induction in dogs**

Medina F.<sup>1</sup>, Morgaz J.<sup>1</sup>, Abd Elhafiz Abdallah A.M.<sup>2</sup>, Navarrete-Calvo R.<sup>1</sup>, Domínguez J.M.<sup>1</sup>, Quirós-Carmona S.<sup>1</sup>, Caravaca-Paredes M.E.<sup>1</sup>, Granados M.M.<sup>1</sup>

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*<sup>2</sup>Surgery, Radiology and Anaesthesia Department. Faculty of Veterinary Medicine. Sohag University, Sohag, Egypt*

**A novel interfascial plane block as a tonic muscle-protective analgesia technique in dogs undergoing pelvic limb surgery-a case series**

Otero P.E.<sup>1</sup>, Guerrero J.A.<sup>1</sup>, Tarragona L.<sup>1</sup>, Micieli F.<sup>2</sup>, Sanchez M.F.<sup>1</sup>, Donati P.A.<sup>1</sup>, Ceballos M.R.<sup>1</sup>, Portela D.A.<sup>3</sup>

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**The pre-operative use of two different types of insulin in diabetic dogs undergoing phacoemulsification surgery: final results**

Papastefanou A.<sup>1</sup>, Sanchez C.B.<sup>1</sup>, Fustero C.<sup>2</sup>, Redondo J.I.<sup>3</sup>, Rioja E.<sup>1</sup>

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**Pharmacokinetics of levobupivacaine administered to desensitize the oral cavity in anaesthetized dogs**

Pavlica M.<sup>1</sup>, Kržan M.<sup>2</sup>, Nemeč A.<sup>1</sup>, Kosjek T.<sup>3,4</sup>, Baš A.<sup>5</sup>, Seliškar A.<sup>1</sup>

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**Comparison of sedative and cardiovascular effects between intramuscular medetomidine-vatinoxan-methadone and acepromazine-methadone for preanaesthetic medication in healthy dogs undergoing elective ovarioectomy or ovariohysterectomy**

Pekkola V.I.E.<sup>1</sup>, Kallio-Kujala I.J.<sup>1</sup>, Lepajoe J.<sup>1</sup>, Raekallio M.R.<sup>2</sup>, Salla K.M.<sup>2</sup>

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**Preliminary study comparing constant rate infusion (CRI) of medetomidine and medetomidine with vatinoxan's effect on the hemodynamic parameters**

Tatarczuk-Duda M., Prządka P., Skrzypczak P., Hebel M., Kielbowicz Z., Antończyk A.

*Department of Surgery, Faculty of Veterinary Medicine, Wrocław University of Environmental and Life Sciences, Wrocław, Poland*

**A retrospective analysis of different doses of glycopyrrolate for treatment of bradycardia during anaesthesia in dogs: preliminary results**

Torres-Canto L., Auckburally A., Flaherty D., Elsom J., Tayari H

*Southern Counties Veterinary Specialists, Ringwood, UK*

**Evaluation of the effect of quadratus lumborum block(QLB) on intraoperative and postoperative analgesic requirements in dogs undergoing elective ovariohysterectomy.**

Tzortzi I., Varkoulis K., Zapridis V., Pavlidou K., Kazakos G., Savvas I., Anagnostou T.

*Companion Animal Clinic, School of Veterinary Medicine, Aristotle University of Thessaloniki, Thessaloniki, Greece*

## **Feline**

### **Supratemporal retrobulbar block in cats undergoing ocular surgeries**

Lardone E.,<sup>1</sup> Crasta M.<sup>2</sup>, Ostan P.C.<sup>2</sup>, Franci P.<sup>1</sup>

<sup>1</sup>*Department of Veterinary Science, University of Turin, Turin, Italy*

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## **Equine**

### **The use of EEG DSA in predicting postanesthetic recovery course in horses**

Drewnowska-Szczepakowska O.

*Department of Large Animals Diseases and Clinic, Institute of Veterinary Medicine, Warsaw*

*University of Life Sciences, Warsaw, Poland*

### **Causes of death in Equidae anaesthetized for procedures other than colic surgery: a comparison with two decades ago**

Gozalo-Marcilla M.<sup>1</sup>, Johnston G.M.<sup>2</sup>, Bettschart-Wolfensberger R.<sup>3</sup>, Redondo J.I.<sup>4</sup>,

Doménech L.<sup>4</sup>, Taylor P.M.<sup>5</sup>

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**Influence of hypoxaemia, hypotension and hypercapnia (among other factors) on quality of recovery from general anaesthesia in horses**

Meier M.<sup>1</sup>, Kazmir-Lysak K.<sup>1</sup>, Finch I.<sup>1</sup>, Torgerson P.R.<sup>2</sup>, Ringer S.K.<sup>1</sup>

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**Assessing new indicators for unpleasantness in horses in clinical conditions**

Nowak M., Auer U.

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**Swine**

**Saphenous cryoneurolysis in the pig: a proof-of-principle investigation**

Boesch J.M.<sup>1</sup>, Elmore W.<sup>2</sup>, Parry S.<sup>3</sup>, Garcia C.<sup>1</sup>, Wong S.<sup>1</sup>, Pearson E.<sup>4</sup>, Campoy L.<sup>1</sup>, Hon S.A.<sup>1</sup>

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**Comparison of sedation endpoints and propofol requirements in two sedation protocols  
in pigs: non-analgesic versus analgesic**

Chen K.<sup>1</sup>, de Miguel Garcia C.<sup>1</sup>, Delvescovo B.<sup>2</sup>, Parry S.<sup>3</sup>, Hon S.<sup>1</sup>

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**Electroencephalographic assessment of anaesthetic depth in pigs: which is the best  
region for recording?**

Mirra A.<sup>1</sup>, Hight D.<sup>2</sup>, Spadavecchia C.<sup>1</sup>, Levionnois O.L.<sup>1</sup>

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**Mechanical and thermal pain thresholds and conditioning modulation in Göttingen  
Minipigs**

Petrucci M.<sup>1,2,3</sup>, Spadavecchia C.<sup>4</sup>, Rieben R.<sup>1</sup>, Casoni D.<sup>2</sup>

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## **Rabbits**

### **Effect of balanced anaesthesia on the haematological parameters of adult rabbits**

Sogebi E.A.O.<sup>1</sup>, Mshelbwala M.<sup>2</sup>, Ayanda T.L.<sup>1</sup>, Ashongon R.O.<sup>1</sup>

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## **Avian**

### **Ketamine does not change the minimum anesthetic concentration of isoflurane in chickens**

Escobar A., Dzikiti B.T., Roman K., Rogers A., Maney J.K.

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## **Miscellaneous**

### **Perianesthetic medication errors in general practice small animal veterinary clinics**

Pinho R.H.<sup>1</sup>, Pang D.S.J.<sup>1,2</sup>

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Montréal, QC, Canada*

## Posters

### Canine

#### **Concentration of carprofen in the milk of lactating bitches and in plasma of suckling puppies at 24 hours and one month post-partum – a pilot study**

Ferrari D.<sup>1,3</sup>, Lundgren S.<sup>1</sup>, Holmberg J.<sup>2,3</sup>, Edner A.<sup>4</sup>, Nyman G.<sup>3</sup>, Rydén A.<sup>3</sup>, Hagman R.<sup>3</sup>, Salomonson M.<sup>5</sup>, Ekstrand C.<sup>6</sup>

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#### **Sedative and cardiovascular effects of premedication with acepromazine, methadone and dexmedetomidine in sevoflurane anaesthetised dogs after propofol induction**

Klasić M.<sup>1</sup>, Rakinić K.<sup>2</sup>, Seliškar A.<sup>1</sup>, Ipavec M.<sup>1</sup>, Sredenšek J.<sup>1</sup>, Tomsič K.<sup>1</sup>

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**A case series investigating hyaluronan concentration in septic dogs undergoing general anaesthesia**

Lawrence-Mills S.J.<sup>1</sup>, Vegas Comitre M.D.<sup>2</sup>, Brodbelt D.C.<sup>3</sup>, Jepson R.<sup>1</sup>, Pelligand L.<sup>1</sup>

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<sup>3</sup>*Veterinary Epidemiology, Economics and Public Health, The Royal Veterinary College, Hatfield, UK*

**A survey on the availability of anaesthetic breathing systems and their use in 5-10 kg dogs**

Murray A.G., Woodhouse K., Murison P.J.

*School of Biodiversity, One Health and Veterinary Medicine, University of Glasgow, Bearsden, Scotland, UK*

**Injectate spread following ultrasound-guided caudal quadratus lumborum block in dogs: a cadaveric study**

Otero P.E.<sup>1</sup>, Fuensalida S.E.<sup>1</sup>, Micieli F.<sup>2</sup>, Díaz A.<sup>1</sup>, Waxman S.<sup>1</sup>, Zaccagnini A.V.<sup>1</sup>, Portela D.A.<sup>3</sup>

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**The influence of patent ductus arteriosus ligation on cardiovascular parameters and appearance of Branham's sign in dogs**

Stepanić Ž.M.<sup>1</sup>, Medić B.<sup>1</sup>, Smajlović A.<sup>1</sup>, Torti M.<sup>2</sup>, Musulin A.<sup>1</sup>, Vnuk D.<sup>1</sup>, Dmitrović P.<sup>1</sup>

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**Platelet transfusion prior to major surgery in a thrombocytopenic Whippet**

Thompson L.J.P., Smith M.A.J., Raszplewicz J.

*Northwest Veterinary Specialists, Sutton Weaver, Cheshire, UK*

**Plethysmographic variability index as intraoperative fluid therapy guide in dogs**

Vicenti C.<sup>1,3</sup>, Romagnoli N.<sup>2</sup>, Stabile M.<sup>1</sup>, Scardia A.<sup>1</sup>, Piemontese C.<sup>1</sup>, Lambertini C.<sup>2</sup>,

Lacitignola L.<sup>1</sup>, Crovace A.<sup>1</sup>, Staffieri F.<sup>1</sup>.

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**Feline**

**Lumbar erector spinae plane block as part of multimodal analgesia in a cat with polytrauma**

Ascione F.<sup>1</sup>, Bortolami E.<sup>1</sup>, Fontana K.<sup>1</sup>, Margini L.<sup>1</sup>, Otero P.<sup>2</sup>

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**Alfaxalone total intravenous anaesthesia in a cat undergoing craniectomies for surgical resection of an intracranial mass**

Bortolami E.

*San Marco Veterinary Clinic, Veggiano, Italy*

**Robenacoxib versus meloxicam following ovariohysterectomy in cats: a randomised, prospective clinical trial involving owner-based assessment of pain**

Hillen F.<sup>1</sup>, Polson S.<sup>2</sup>, Yates D.<sup>2</sup>, Watkinson R.<sup>2</sup>, White K.<sup>1</sup>

<sup>1</sup> *School of Veterinary Medicine and Science, University of Nottingham, Sutton Bonington, UK*

<sup>2</sup> *RSPCA Bolton Branch, Bolton, UK*

**MEOW—Management of an (iatrogenic) Endobronchial Obstruction through teamWork: a case report**

Romero Marco P.<sup>1</sup>, Guzmán Ramos P.J.<sup>2</sup>, Guglielmo D.<sup>3</sup>, Huuskonen V.<sup>1</sup>

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## **Equine**

### **Preliminary study on the effect of nose twisting on the pupillary dilation in awake and sedated horses**

Mascaro T.C.<sup>1</sup>, Karar S.<sup>1</sup>, Abunemeh M.<sup>1</sup>, Portier K.<sup>1,2</sup>

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<sup>2</sup>*CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon, Université Claude Bernard, Bron, France*

### **Pharmacokinetics and physiologic effects of continuous rate infusion of dexmedetomidine in anaesthetized horses maintained on isoflurane, dobutamine and nitric oxide**

Eklund A.<sup>1</sup>, Abrahamsson C.<sup>1</sup>, Johansson S.<sup>1</sup>, Wiklund M.<sup>1,2</sup>, Ljungvall K.<sup>1</sup>, Olsén L.<sup>1</sup>,  
Nyman G.<sup>1</sup>

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<sup>2</sup>*Evidensia Specialistdjursjukhuset Strömsholm, Strömsholm, Sweden*

## **Swine**

### **Artificial intelligence for assessment of postoperative activity in research pigs**

Rydén A., Höglund O.V., Nyman G.

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Sweden*

## **Ruminants**

### **Ultrasound-guided quadratus lumborum block in sheep: a cadaveric study**

Mattaliano G.<sup>1</sup>, Verdier N.<sup>1</sup>, Klonner M.E.<sup>1</sup>, Kyllar M.<sup>2</sup>, Kau S.<sup>2</sup>, Otero P.E.<sup>3</sup>

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<sup>3</sup>*Department of Anesthesiology and Pain Management, Facultad de Ciencias Veterinarias, Universidad de Buenos Aires, Buenos Aires, Argentina*

### **Axillary approach for radial, ulnar, median, and musculocutaneous nerves (RUMM) block in calves – a cadaveric study**

Alonso B.<sup>1</sup>, Teotino G.<sup>2</sup>, Casteleyn C.<sup>3</sup>, Vanderperren K.<sup>3</sup>, Schauvliege S.<sup>1</sup>

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## **Rabbits**

**Post-operative monitoring of New Zealand White Rabbits after short-term brain ischemia: use and limits of the grimace scale**

Parodi C.<sup>1,2</sup>, Garcia Casalta L.G.<sup>1</sup>, Petrucci M.<sup>1,2</sup>, Casoni D.<sup>1</sup>

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**Miscellaneous**

**Survey on the use of total intravenous anaesthesia (TIVA) in small animals by veterinary anaesthesiologists**

Bustamante R., Ortiz-Díez G., Canfrán S., Gómez de Segura I.A., Aguado D.

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**Hyperkalemia in a cheetah (*Acinonyx jubatus*) anaesthetized with dexmedetomidine-midazolam-ketamine and isoflurane-fentanyl**

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**Risk tolerance among veterinary anaesthetists: a survey study**

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