



— ASSOCIATION OF —  
VETERINARY ANAESTHETISTS



# Staying Alive

*You, Your patient and Your Planet*

## Spring Meeting 2020

Wednesday 11th – Friday 13th March

UNIVERSITY COLLEGE DUBLIN, IRELAND

## Poster Listing

1	<b>Comparison of tracheal, esophageal and rectal temperature in spontaneously and artificially ventilated non-heated dogs</b> Novak L, Rauser P, Burova J, Stankova L, Rado M
2	<b>Incorporation of a 3D-printed feline larynx model as a teaching tool for veterinary students</b> Sakai DM, Skrzypczak HE, Nejamkin P, Clausse M, Bullant C, Genaro A, Clausse A, Del Sole MJ
3	<b>Redefining the recruiting airway pressure based on specific lung elastance in dogs</b> Araos J, Guacci E, Acquafredda C, Di Bella C, Stabile M, Lacitignola L, Grasso S, Crovace A, Staffieri F
4	<b>Ultrasound-guided erector spinae plane (ESP) block in horses: a cadaveric study</b> Bautista Díaz-Delgado O, Louro LF, Rocchigiani G, Verin R, Humphreys W, Senior JM, Campagna I
5	<b>Effect of oral-transmucosal cannabidiol on pain and quality of life in dogs affected by osteoarthritis</b> Brioschi FA, Rabbogliatti V, Gioeni D, Di Cesare F, Valentini Visentin M, Ravasio G
6	<b>Clinical comparison of continuous rate infusion and subcutaneous administration of dexmedetomidine in isoflurane anesthetized horses.</b> Rabbogliatti V, Brioschi F.A, Di Cesare F, Gioeni D, Amari M, Spediacci C, Ravasio G.
7	<b>Clinical assessment of haemodynamic variables measurement using transthoracic echocardiography and oesophageal Doppler monitor in anaesthetized dogs: a preliminary study</b> Sández I, Serrano S, Redondo J.I, Otero P.E.
8	<b>The influence of four different partial intravenous anesthesia techniques on the stress response to surgery in isoflurane-anesthetized horses</b> Masako Fujiyama, Teela Jones, Tanya Duke-Novakovski
9	<b>The clinical utility of a human oscillometric blood pressure monitor in dogs during general anaesthesia</b> Porter SE, Breheny C, Duncan J
10	<b>A comparison of epidural anaesthesia with lidocaine, ropivacaine and lidocaine-ropivacaine in West African Dwarf goats</b> Oguntoye CO, Eyarefe OD, Adewale F, Sogebi EAO, Olaifa AK
11	<b>Prolonged anaesthesia of New Zealand White rabbits</b> Musk GC
12	<b>Effect of repeated disinfection protocols on the mechanical compliance of cuffed polyvinylchloride endotracheal tubes</b> Gatson BJ, Lopez W
13	<b>Attitudes of Spanish-speaking veterinary anaesthesiologists towards the use of Total Intravenous Anaesthesia (TIVA) in dogs: a survey study</b> Bustamante R, Ortiz-Díez G, Canfrán S, Gómez de Segura IA, Aguado D
14	<b>Description of a novel ultrasound guided peribulbar block in horses: a cadaveric study</b> Leigh H, Gozalo-Marcilla M, Esteve V, Gutierrez A, Martin T, Viscasillas J.
15	<b>Pilot study on placement and function of TetraGraph sensor for EMG based monitoring in horses</b> Wiklund M, Nyman GC, Lindh C
16	<b>Comparison of two 2% lidocaine formulations following sciatic nerve blockade in rabbits</b> Otero PE, Zaccagnini A, Sanchez F, Redondo García JI, Portela DA, Waxam S
17	<b>A comparative pilot study of two different techniques for monitoring neuromuscular blockade in dogs</b> Ferrari D, Sverud J, Nyman G, Ström L, Wiklund M, Lindh C
18	<b>Tracheal extubation complication following surgical repair of a traumatic tracheal laceration in a dog</b> Lucy Miller, Sam Pryke, Ambra Panti & Miguel Gozalo-Marcilla

## Poster 2

### Incorporation of a 3D-printed feline larynx model as a teaching tool for veterinary students

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Endotracheal intubation (EI) in cats is associated with risk of mortality (Brodbelt *et al.*, 2007). This can be decreased with simulation-based training. We evaluated the implementation of a low-cost feline larynx model (LaryngoCUBE 2019) as a training device for veterinary students.

The students received either standard training (ST, n = 22) or trained with a larynx model the day prior to anesthesia (MT, n = 16). Veterinary students practiced EI in cats sedated with dexmedetomidine and hydromorphone and anesthetized with propofol. They attempted EI and evaluated the difficulty with a visual analogue score (VAS; 0 cm = very easy and 10 cm = extremely difficult). Up to three attempts were permitted. For successful EI, we measured the time and number of attempts. Fisher's exact and Mann-Whitney tests compared groups with alpha at 5%.

The VAS [median (minimum – maximum)] on the ST and MT were 4.5 (0.0 – 10.0) cm and 3.0 (0.2 – 10.0) cm, respectively (p = 0.029). The failure rate was 27% on the ST and 25% on the MT (p = 1.000). The EI time on ST [58 (18 – 160) seconds] was longer, but not statistically different from MT [29 (13 – 120) seconds; p = 0.101]. The number of attempts on ST [2 (1 – 3)] was higher than MT [1 (1 – 3), p = 0.005].

Students that practiced with a larynx model found that EI was easier, took less attempts for EI, and tended to be faster. However, EI success rate in MT was not improved.

#### References

Brodbelt, D. C. *et al.* (2007) Risk factors for anaesthetic-related death in cats: results from the confidential enquiry into perioperative small animal fatalities (CEPSAF). *Br J Anaesth*, 99:617–23.

LaryngoCUBE 2019, Hospital Escuela De Pequeños Animales website, viewed 9 December 2019, <[www.vet.unicen.edu.ar/HEPA/investigacion/LaryngoCUBE](http://www.vet.unicen.edu.ar/HEPA/investigacion/LaryngoCUBE)>.