



Universidad de Buenos Aires



Facultad de Ciencias
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Curriculum Vitae

Prof. Pablo E Otero, PhD, DVM.

Professor of Anesthesiology and Pain Management Department

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https://pubmed.ncbi.nlm.nih.gov/?term=Otero%20PE&cauthor_id=34085906

PERSONAL:

- DVM, February 8, 1988.
Buenos Aires University, School of Veterinary Medicine.
- Ph.D. (Cum laude) in Pharmacology, awarded June 2009.
Universidad de Buenos Aires.
Dissertation: "*Epidural cephalic spread of a local anesthetic in dogs: a mathematical model using the column length.*"
- Doc. Med. Vet. (Cum laude) in Anesthesia, awarded November 2015.
Universidad Complutense de Madrid, Spain.
Dissertation: "*Quantitative anesthesia: influence of body size on the efficacy of a new device for the delivery of halogenated anesthetics in closed circuits.*"
- Certificate Veterinary Professor in Higher Education, awarded September 2008.
Universidad de Buenos Aires.

Memberships

- President AAVRA (Society of Anesthesia and Analgesia, República Argentina).
- Past-President LAVECCS (Latin-American Veterinary Emergency and Critical Cares Society).
- Editorial board member of Veterinary Anaesthesia and Analgesia.
- Associate Editor for the Journal Frontiers in Veterinary Science.
- Member of the AVA - Association of Veterinary Anaesthetists.

TEACHING ACTIVITY

2007-present

1. Small and Large Animal Anesthesiology Teaching Program Director. School of Veterinary Medicine, Buenos Aires University. Argentina.

PUBLICATIONS

Original Peer-reviewed Papers in Refereed Journals

1. Aldrete JA, **Otero P**, Alcover J, Parietti A, Johnson SC, Montpetit FH, Torrieri A, Quiroga D. (2010) Pain on injection from propofol may be avoided by changing its formulation. *Acta Anaesthesiol Scand.*; 54(4):442-6.
2. Portela, D. A., **Otero, P. E.**, Tarragona, L., Briganti, A., Breggi, G., & Melanie, P. (2010). Combined paravertebral plexus block and parasacral sciatic block in healthy dogs. *Veterinary Anaesthesia and Analgesia*, 37(6), 531–541.
3. Portela, D. A., **Otero, P. E.**, Sclocco, M., Romano, M., Briganti, A., & Breggi, G. (2012). Anatomical and radiological study of the thoracic paravertebral space in dogs: iohexol distribution pattern and use of the nerve stimulator. *Veterinary Anaesthesia and Analgesia*, 39(4): 398-408.
4. **Otero, P. E.**, Portela, D. A., Brinkyer, J. A., Tarragona, L., Zaccagnini, A. S., Fuensalida, S. E., & Ceballos, M. R. (2012). Use of electrical stimulation to monitor lumbosacral epidural and intrathecal needle placement in rabbits. *American Journal of Veterinary Research*, 73(8):1137-1141.
5. Portela, D. A., **Otero, P. E.**, Briganti, A., Romano, M., Corletto, F., Breggi, G. (2013). Femoral nerve block: a novel psoas compartment lateral pre-iliac approach in dogs. *Veterinary anaesthesia and analgesia*. 40(2):194-204.
6. Diego A Portela, Alessio Raschi and Pablo E Otero (2013) Ultrasound guided mid-humeral block of the radial, ulnar, median and musculocutaneous (RUMM block) nerves in a dog with traumatic exposed metacarpal luxation. *Veterinary anaesthesia and analgesia* 40(5):552–554.
7. Portela, D. A., **Otero, P. E.**, Biondi, M., Romano, M., Citi, S., Mannucci, T., Briganti, A., et al. (2013). Peripheral nerve stimulation under ultrasonographic control to

- determine the needle-to-nerve relationship. *Veterinary anaesthesia and analgesia*, 40(6); 91-99.
8. **Otero, P. E.**, Zaccagnini, A. S., Fuensalida, S. E., Verdier, N., Sclocco, M., & Portela, D. A. (2013). Use of electrical nerve stimulation to monitor lumbosacral epidural needle placement in cats. *Veterinary anaesthesia and analgesia*, 41(3), 325–329.
 9. **Otero, P. E.**, Verdier, N., Ceballos, M. R., Tarragona, L., Flores, M., & Portela, D. A. (2014). The use of electrical stimulation to guide epidural and intrathecal needle advancement at the L5-L6 intervertebral space in dogs. *Veterinary Anaesthesia and Analgesia*, 41(5), 543–547.
 10. **Otero, P. E.**, Zaccagnini, A. S., Fuensalida, S. E., Verdier, N., Sclocco, M., & Portela, D. A. (2014). Use of electrical nerve stimulation to monitor lumbosacral epidural needle placement in cats. *Veterinary anaesthesia and analgesia*, 41(3), 325–329.
 11. Brondani, J., Luna, S., Crosignani, N., Redondo, J., Granados, M., Bustamante, H., Palacios C, **Otero P** (2014). Validez y confiabilidad de la versión en español de la escala multidimensional de la UNESP-Botucatu para evaluar el dolor postoperatorio en gatos. *Archivos De Medicina Veterinaria*, 46(3), 477–486.
 12. **Otero, P. E.**, Verdier, N., Zaccagnini, A. S., Fuensalida, S. E., Tarragona, L., & Portela, D. A. (2015). The use of a nerve stimulation test to confirm sacrococcygeal epidural needle placement in cats. *Veterinary Anaesthesia and Analgesia*, 42(1), 115–118.
 13. Waxman, S., Zaccagnini, A. S., Fuensalida, S., Regner, P., & **Otero, P. E.** (2015). A case of acute distal cyanosis during percutaneous catheterization of the dorsal metatarsal artery in a goose (*Anser anser*). *Veterinary Anaesthesia and Analgesia*, 42(5), 557–558.

Year 2016

14. Castro, D. S., Soares, J. H., Gress, M. A., **Otero, P. E.**, Marostica, E., & Ascoli, F. O. (2016). Hypoventilation exacerbates the cardiovascular depression caused by a high volume of lumbosacral epidural bupivacaine in two isoflurane-anesthetized dogs. *Veterinary Anaesthesia and Analgesia*, 43(2), 235–237.
15. Romano, M., Portela, D. A., Breggi, G., & **Otero, P. E.** (2016). Stress-related biomarkers in dogs administered regional anaesthesia or fentanyl for analgesia during stifle surgery. *Veterinary Anaesthesia and Analgesia*, 43(1), 44–54.

Year 2017

16. **Otero, P. E.**, Verdier, N., Zaccagnini, A. S., Fuensalida, S. E., Sclocco, M., Portela, D. A., & Waxman, S. (2016). Sonographic evaluation of epidural and intrathecal injections in cats. *Veterinary Anaesthesia and Analgesia*, 43(6), 652–661.
17. **Otero, P.**, Fuensalida, S., Briganti, A., Verdier, N., & Portela, D. (2017). Ultrasound-guided subscalenic brachial plexus block in dogs: a cadaveric study. <http://doi.org/10.1016/j.vaa.2017.06.002>
18. Portela, D. A., Campoy, L., **Otero, P. E.**, Martin-Flores, M., & Gleed, R. D. (2017). Ultrasound-guided thoracic paravertebral injection in dogs: a cadaveric study. *Veterinary Anaesthesia and Analgesia*, 44(3), 636–645.

Year 2018

19. Romano, M., Portela, D. A., & **Otero, P. E.** (2018). In response to “Stress-related biomarkers in dogs administered regional anaesthesia or fentanyl for analgesia during stifle surgery”: A comment. *Veterinary Anaesthesia and Analgesia*. <http://doi.org/10.1016/j.vaa.2018.01.006>
20. Dias RSG, Soares JHN, Castro DDSE, Gress MAKKA, Machado ML, **Otero PE**, Ascoli (2018) Cardiovascular and respiratory effects of lumbosacral epidural bupivacaine in isoflurane-anesthetized dogs: The effects of two volumes of 0.25% solution. *FO.PLoS One*. 18;13(4): e0195867. doi: 10.1371/journal.pone.0195867. eCollection 2018.
21. Portela, D. A., Verdier, N., & **Otero, P. E.** (2018). Regional anesthetic techniques for the pelvic limb and abdominal wall in small animals: A review of the literature and technique description. *The Veterinary Journal*, 238, 27–40. <http://doi.org/10.1016/j.tvjl.2018.07.003>
22. Portela, D. A., Verdier, N., & **Otero, P. E.** (2018). Regional anesthetic techniques for the thoracic limb and thorax in small animals: A review of the literature and technique description. *The Veterinary Journal*, 241, 8–19. <http://doi.org/10.1016/j.tvjl.2018.09.006>
23. Bernardo, C.A., Mariani, G.L., Virasoro, M.D.L.Á., Burgos, S., Labanca, M.J., **Otero, P.** (2018) Surfactant Administration through Laryngeal Mask Airway: A Randomized Controlled Study in Rabbits. *American Journal of Perinatology* 35(7),669-675.

Year 2019

24. Portela DA, Romano M, **Otero PE** (2019) Locoregional Anesthesia of the Thoracic Limbs and Thorax in Small Animals. *Vet Clin North Am Small Anim Pract* 1–21. doi: 10.1016/j.cvsm.2019.07.002
25. Romano M, Portela DA, Verdier N, **Otero PE** (2019) Changes in serum cortisol and blood glucose concentrations in anesthetized, pain-free dogs administered fentanyl. *Vet Anaesth Analg* 46, 1–16. doi: 10.1016/j.vaa.2019.04.007
26. Tayari H, **Otero P**, Rossetti A, et al (2019) Proximal RUMM block in dogs: preliminary results of cadaveric and clinical studies. *Vet Anaesth Analg* 46, 384–394. doi: 10.1016/j.vaa.2018.11.009
27. Gerardo Tusman, Emiliano Gogniat, Matías Madorno, **Pablo Otero**, Jose Dianti, Ignacio Fernandez Ceballos, Martin Ceballos, Natalí Verdier, Stephan H Bo`hm, Pablo O Rodriguez, and Eduardo San Roman (2019) Effect of PEEP on Dead Space in an Experimental Model of ARDS. *Respiratory Care*. 06843–9. doi: 10.4187/respcare.06843

Year 2020

28. **Otero PE**, Fuensalida SE, Russo PC, et al (2020) Mechanism of action of the erector spinae plane block: distribution of dye in a porcine model. *Reg Anesth Pain Med* 72, rapm–2019–100964–6. doi: 10.1136/rapm-2019-100964
29. **Otero PE**, Fuensalida SE, Sánchez F, et al (2020) Development of a lateral ultrasound-guided approach for the proximal radial, ulnar, median and musculocutaneous (RUMM) nerve block in cats. *Vet Anaesth Analg* 47, 686–693. doi: 10.1016/j.vaa.2020.04.008
30. Castro D, Portela DA, **Otero PE** (2020) Positive color flow Doppler test used to confirm sacrococcygeal epidural injection in a dog. *Vet Anaesth Analg* 47, 280–281. doi: 10.1016/j.vaa.2019.12.004
31. Garbin M, Portela DA, Bertolizio G, Gallasteguid A, **Otero PE** (2020) A novel ultrasound-guided lateral quadratus lumborum block in dogs: a comparative cadaveric study of two approaches. *Vet Anaesth Analg* 1–28. doi: 10.1016/j.vaa.2020.08.003
32. Garbin M, Portela DA, Bertolizio G, Garcia-Pereira F, Gallasteguid A, **Otero PE** (2020) Description of ultrasound-guided quadratus lumborum block technique and evaluation of injectate spread in canine cadavers. *Vet Anaesth Analg* 47, 249–258. doi: 10.1016/j.vaa.2019.12.005

33. Portela DA, Castro D, Romano M, Gallastegui A, Garcia-Pereira F, **Otero PE** (2020) Ultrasound-guided erector spinae plane block in canine cadavers: relevant anatomy and injectate distribution. *Vet Anaesth Analg* 1–9. doi: 10.1016/j.vaa.2019.10.005
34. Portela DA, Romano M, Zamora GA, Garcia-Pereira F, Pablo L, Gatsona B, Johnson V & **Otero PE** (2020) The effect of erector spinae plane block on perioperative analgesic consumption and complications in dogs undergoing hemilaminectomy surgery: a retrospective cohort study. *Vet Anaesth Analg* 1–9. doi: 10.1016/j.vaa.2020.10.005
35. Waxman S, Fuensalida S, Sánchez F, Zárata I, Turnes E, Rodríguez C, **Otero PE** (2020) Agreement between noninvasive oscillometric and invasive blood pressure measurements in isoflurane-anesthetized guinea pigs (*Cavia porcellus*). *Vet Anaesth Analg* 1–14. doi: 10.1016/j.vaa.2020.11.002
36. Martinez-Taboada F, **Otero PE**, Laredo F, Belda E (2020) Identification of the sacrococcygeal epidural space using the nerve stimulator test or the running-drip method in dogs. *Vet Anaesth Analg* 1–23. doi: 10.1016/j.vaa.2019.09.008
37. Küls N, Trujanovic R, **Otero PE**, Larenza-Menzies MP (2020) Ultrasound-Guided Transversus Abdominis Plane Block in Shetland Ponies: A Description of a Three-Point Injection Technique and Evaluation of Potential Analgesic Effects. *Journal of Equine Veterinary Science* 90, 102994. doi: 10.1016/j.jevs.2020.102994
38. Romano M, Portela DA, **Otero PE**, Thomson A (2020) Mirroring artefact during postoperative transversus abdominis plane (TAP) block in two dogs. *Vet Anaesth Analg* 1–3. doi: 10.1016/j.vaa.2020.05.003
39. von Ritgen, S, Bach, F, **Otero, PE**, Auer, U (2020) Multimodal perioperative pain management in a horse undergoing partial phallectomy. *Veterinary Record Case Reports* 8: e001104. doi: 10.1136/vetreccr-2020-001104
40. Trujanovic R, **Otero PE**, Larenza Menzies MP (2020) Combined ultrasound/electrostimulation-guided block of the lumbosacral plexus in a cat undergoing pelvic limb amputation. *Vet Rec Case Rep* 8, e000977–5. doi: 10.1136/vetreccr-2019-000977
41. Trujanovic R, **Otero PE**, Larenza-Menzies MP (2020) Ultrasound- and nerve stimulation-guided femoral and sciatic nerve block in a duck (*Anas platyrhynchos*) undergoing surgical fixation of a tibiotarsal fracture. *Vet Anaesth Analg* 1–10. doi: 10.1016/j.vaa.2020.11.001

42. Trujanovic R, **Otero PE**, Larenza Menzies. MP, Gasparik-Küls N (2020) Development of a lateral ultrasound-guided approach for the radial, ulnar, median and musculocutaneous (RUMM) nerve block in a calf undergoing surgical fixation of the antebrachium. *Vet Rec Case Rep* 2020;8:e001281. doi:10.1136/vetreccr-2020-001281

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43. Thomson ACS, Portela DA, Romano M, **Otero PE** (2021) Evaluation of the effect of ultrasound guidance on the accuracy of intercostal nerve injection: a canine cadaveric study. *Vet Anaesth Analg* 1–27. doi: 10.1016/j.vaa.2020.12.003
44. Romano M, Portela DA, Thomson A, **Otero PE** (2021) Comparison between two approaches for the transversus abdominis plane block in canine cadavers. *Vet Anaesth Analg* 1–20. doi: 10.1016/j.vaa.2020.09.005
45. **Otero PE**, Romano M, Zaccagnini AS, Fuensalida SE, Verdier N, Sanchez F, Portela DA (2021) Transversus abdominis plane block in cat cadavers: anatomical description and comparison of injectate spread using two and three-point approaches, *Vet Anaesth Analg* doi.org/10.1016/j.vaa.2021.02.002.
46. Donati PA, Tarragona L, Franco JV, Kreil V, Fravega R, Diaz A, Verdier N, **Otero PE** (2021) Efficacy of tramadol for postoperative pain management in dogs: systematic review and meta-analysis, *Veterinary Anaesthesia and Analgesia*, <https://doi.org/10.1016/j.vaa.2021.01.003>.
47. Calice I, Kau S, Knecht C, **Otero PE**, Larenza Menzies MP (2021) Combined caudal retrocostal and lateral ultrasound-guided approach for transversus abdominis plane injection: A descriptive pilot study in pig cadavers. *PLoS ONE* 16(3): e0248131. Doi: 10.1371/journal.pone.0248131
48. Micieli F, Mirra A, Santangelo B, Minichino A, Fuensalida SE, Milito M, Vesce G, **Otero PE**, Ultrasound-guided dorsal approach for the brachial plexus block in Common Kestrels (*Falco tinnunculus*): a cadaver study, *Veterinary Anaesthesia and Analgesia*, <https://doi.org/10.1016/j.vaa.2020.12.009>.
49. **Otero PE**, Guerrero JA, Verdier N, Portela DA (2021) Use of a lateral ultrasound-guided approach for the proximal radial, ulnar, median and musculocutaneous (RUMM) nerve block in a small dog undergoing distal humerus fracture repair. *Vet Anaesth Analg* 1–3. doi: 10.1016/j.vaa.2021.06.013.

50. Garcia Eijo PM, D'Adamo J, Bianchetti A, Duriez T, Cabaleiro JM, Irrazabal C, **Otero PE**, Artana G. (2021) Exhalatory dynamic interactions between patients connected to a shared ventilation device. *PLoS ONE* 16, e0250672. doi: 10.1371/journal.pone.0250672.
51. **Otero PE**, Tarragona L, Zaccagnini AS, Verdier N, Ceballos MR, Gogniat E, Cabaleiro JM, D'Adamo J, Duriez T, Eijo PG, Artana G. (2021) Ventilator output splitting interface 'ACRA': Description and evaluation in lung simulators and in an experimental ARDS animal model. *PLoS One*. Aug 25;16(8):e0256469. doi: 10.1371/journal.pone.0256469. PMID: 34432821; PMCID: PMC8386869.
52. Dos-Santos JD, Ginja M, Alves-Pimenta S, **Otero PE**, Ribeiro L, Colaço B. (2021) A description of an ultrasound-guided technique for a quadratus lumborum block in the cat: a cadaver study. *Vet Anaesth Analg* 1–5. doi: 10.1016/j.vaa.2021.03.017
53. Trujanovic R, **Otero PE**, Marhofer P, et al (2021) Proximal Perineural Femoral Nerve Injection in Pigs Using an Ultrasound-Guided Lateral Subiliac Approach—A Cadaveric Study. *Animals* 2021, Vol 11, Page 1759–1770. doi: 10.3390/ani11061759
54. Donati PA, Londoño L, Benavides G, Mouly J, González S, **Otero PE**. (2021) Clinicopathological factors associated with the presence of hypercapnia at admission in hospitalised cats with decompensated chronic kidney disease. *N Z Vet J*. 30:1-6. doi: 10.1080/00480169.2021.1939188.
55. Rondelli V, **Otero PE**, Romano F, Verdier N, Bettschart-Wolfensberger R, Portela DA. (2021) Incidence of dural sac puncture during neuraxial anesthesia in cats: an observational, retrospective study. *J Feline Med Surg*. 2021 Jun 7:1098612X211021292. doi: 10.1177/1098612X211021292.
56. Verdier N, Martinez-Taboada F, **Otero PE**, et al (2021) Evaluation of electrical nerve stimulation to confirm sacrococcygeal epidural needle placement in dogs. *Vet Anaesth Analg* 1–5. doi: 10.1016/j.vaa.2020.12.008.
57. M. Cavalcanti, J. Teixeira, M. Romano, R. Medina-Serra, A. Stern, R. Johnson, **P. Otero**, D. Portela (2021) Erector spinae plane (ESP) block in the thoracolumbar spine: a canine cadaveric study. *Vet Anaesth Analg* 1–5. doi: 10.1016/j.vaa.2020.12.008.

Year 2022

58. Trujanovic R, Verdier N, Calice I, Knecht C, **Otero PE**. Axillary ultrasound-guided approach for the brachial plexus in pig cadavers: A descriptive study. *Lab Anim*. 2022 Apr;56(2):165-171. doi: 10.1177/00236772211036286.
59. Samanta Waxman, Santiago Fuensalida, Verónica Micciullo, Indiana Zárate, **Pablo Otero** (2022) Description of an ultrasound-guided technique for blood sampling from the cranial vena cava in anesthetized guinea pigs (*Cavia porcellus*). *Vet Anaesth Analg* 1–4. doi: 10.1016/j.vaa.2022.01.003
60. Hamaseh Tayari, **Pablo E. Otero**, Marco D’Agostino, Flavia Bartolini, Angela Briganti (2022) Epidural volume of injectate using a dose regimen based on occipitococcygeal spinal length (ocl): randomized clinical study comparing different ropivacaine concentrations, with or without morphine, in bitches undergoing total unilateral mastectomy. *Animals* 1–13. doi: 10.3390/ani12050587
61. Ignacio Sánchez, Natalí Verdier, J. Ignacio Redondo, Lisa Tarragona, Pablo A. Donati, Susana Serrano, **Pablo E. Otero** (2022) Agreement between transthoracic echocardiography and esophageal Doppler on aortic flow variables in anesthetized mechanically ventilated dogs. *Can Vet J* 63, 722-766.
62. Donati PA, Tarragona L, Sandez Cordero I, Alzate D, **Otero PE** (2022) Relationship between tricuspid annular plane systolic excursion, fluid responsiveness and volume status in hospitalised dogs with circulatory abnormalities. *N Z Vet J*. 20:1-12. doi: 10.1080/00480169.2022.2091676.
63. Gogniat E, Madorno M, Rodriguez PO, Dianti J, **Otero PE**, Krukewitt L, Böhm SH, San Roman E, Tusman G (2022) Dynamic Relative Regional Lung Strain Estimated by Electrical Impedance Tomography in an Experimental Model of ARDS. *Respir Care*. 2022 May 24: respcare.09682. doi: 10.4187/respcare.09682.
64. Dos-Santos JD, Ginja M, Alves-Pimenta S, **Otero PE**, Ribeiro L, Colaço B (2022) Comparison of dorsoventral and ventrodorsal approaches for the ultrasound-guided quadratus lumborum block in cats: a cadaver study. *Vet Anaesth Analg* 1–27. doi: 10.1016/j.vaa.2022.05.003
65. Cavalcanti, J. Teixeira, M. Romano, R. Medina-Serra, A. Stern, R. Johnson, **P. Otero**, D. Portela (2022) Erector spinae plane block at the thoracolumbar spine: a canine cadaveric study. *Vet Anaesth Analg* 1–28. doi: 10.1016/j.vaa.2022.07.008
66. Donati PA, **Otero PE** (2022) The use of transcranial color-coded duplex sonography in a cat with suspected cerebral ischemia. *Vet Anaesth Analg* 1–9. doi: 10.1016/j.vaa.2022.06.003

67. **Otero PE**, Portela DA, Fuensalida SE, et al (2022) Pericapsular hip desensitization in dogs: a cadaveric study and case series. *Vet Anaesth Analg* 1–34. doi: 10.1016/j.vaa.2022.08.001
68. Pablo A. Donati, Cesar Villalta, Tarragona Lisa, Rodrigo Fravega, Ignacio Sandez Cordero, Marcela Tunesi, Juan Manuel Guevara, **Pablo E. Otero** (2022) Echocardiographic indicators of fluid responsiveness in hospitalized dogs with compromised hemodynamics and tissue hypoperfusion. *J Vet Emerg Crit Care*. 2022;1-7. <https://doi.org/10.1111/vec.13255>.
69. Cavaco JS, **Otero PE**, Ambrósio AM, Neves ICB, Perencin FM, Pereira MAA, Matera JM, Fantoni DT (2022) Analgesic efficacy of ultrasound-guided transversus abdominis plane block in dogs undergoing ovariectomy. *Front. Vet. Sci.* 9:1031345. doi: 10.3389/fvets.2022.1031345

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70. Diego A. Portela, Mariana Cavalcanti, Jorge G. Teixeira, Keith Y. Gandy, Gustavo Zamora, Adam W. Stern, Rachel Jones, Santiago E. Fuensalida, Ludovica Chiavaccini, Marta Romano, **Pablo E. Otero** (2023) Lumbosacral plexus block using a combination of ultrasound-guided lateral pre-iliac and parasacral approaches in cats. *Vet Anaesth Analg* 50(2):188-196. <https://doi.org/10.1016/j.vaa.2023.01.003>.
71. Klonner ME, Verdier N, **Otero PE** (2023) Bilateral ultrasound-guided lateral quadratus lumborum block in a minipig undergoing ovariectomy. *Vet Rec Case Rep* e572. doi: 10.1002/vrc2.572
72. Diego A Portela, Chiara Di Franco, Ludovica Chiavaccini, Joaquin Araos, Marta Romano, **Pablo E Otero**, Adam H Biedrzycki, Johannes P Schrame (2023) Effect of end-inspiratory pause on airway and physiological dead space in anesthetized horses. *Vet Anaesth Analg* 1–31. doi: 10.1016/j.vaa.2023.03.002
73. **Pablo E. Otero**, Diego A. Portela, Santiago E. Fuensalida, Lisa Tarragona, Javier Corral, Alfredo Díaz, Martin Ceballos, Samanta Waxman, Jorge A. Guerrero (2023) Ultrasound-guided lateral pericapsular hip desensitization of the articular branches of the cranial gluteal nerve: A canine cadaveric study and feasibility study in dogs. *Vet Anaesth Analg*. doi: [10.1016/j.vaa.2023.08.008](https://doi.org/10.1016/j.vaa.2023.08.008)
74. Marcos Paulo Antunes de Lima, Renata Andrade Silva, Patrícia de Castro Duarte, **Pablo Ezequiel Otero**, Rafael Resende Faleiros, Suzane Lilian Beier (2023) Differential

blockade, comparative study of different ropivacaine concentrations (0.75%; 0.2%; 0.12%) for ultrasound guided sciatic and femoral nerve blocks in calves: prospective cross-over study. *Veterinary and Animal Science* (2023), doi: <https://doi.org/10.1016/j.vas.2023.100314>

75. Marcos Paulo Antunes de LIMA, Renata Andrade SILVA, Patrícia de Castro DUARTE, Sérgio da Silva ROCHA JÚNIOR, Stephanie Elise Muniz Tavares BRANCO, Cahuê Francisco Rosa PAZ, **Pablo Ezequiel OTERO**, Rafael Resende FALEIROS, Suzane Lilian BEIER (2023) Effects of two different topographic approaches for combined sciatic and femoral nerve block in calves, guided by ultrasound and neurostimulation. *Veterinary and Animal Science* 100315. doi: 10.1016/j.vas.2023.100315

TEXT BOOKS AS AUTHOR

In Spanish

1. Pain. Assessment and treatment in small animals. (*Original title: Dolor. Evaluación y tratamiento en pequeños animales*). Author: **Otero E. Pablo** (ed.). Editorial Inter-médica. Argentina, 2004. ISBN: 959-555-274-2. Total pages 284.
2. Anesthetic protocols and pain management in small animals – Case reports. (*Original title: Protocolos anestésicos en pequeños animales. Reporte de casos*) Authors: **Otero PE** (ed). Editorial Inter-médica. Argentina, 2012. ISBN: 978-950-555-404-1. Total pages 250.
3. Regional anesthesia in companion animals. (Original title: Anestesia regional en animales de compañía. Anatomía para bloqueos guiados por ecografía y neuroestimulación) Authors: **Pablo E. Otero & Diego A. Portela**. Editorial Inter-médica. Argentina, 2017. ISBN: 978-950-555-454-6. Total pages 438.
4. Anesthetic protocols and pain management in small animals – Case reports. 2nd ed. *Original title: Protocolos anestésicos en pequeños animales. Reporte de casos, 2da edición.* Autor: **Otero PE,** (ed). Editorial Inter-médica. Argentina, 2019. ISBN: 978-950-555-471-3. Total pages 287.
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In Portuguese

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Lecturer at Universities and Scientific Events in the Following Countries and Cities

1- Argentina (28 cities)

Buenos Aires

La Plata

Tandil

Mar del Plata

Pergamino

Bahía Blanca

Escobar

Córdoba

Rio Cuarto

Villa Giardino

Jujuy

Salta

San Juan

Mendoza

Neuquén

Rio Gallegos

Comodoro Rivadavia

San M. de los Andes

General Pico

Iguazú

Corrientes

Resistencia

Santa Fe

Rosario

Casilda

Paraná

San Miguel de Tucumán

Esquel

2- Brazil (14 cities)

São Paulo

Rio de Janeiro

Brasilia

Belo Horizonte

Curitiba

Florianópolis

Campos de Jordán

Recife

Maceió

Porto Alegre

Campinas

Goiás

Seropédica

Jaguariuma

3- Chile (7 cities)

Santiago

Temuco

Valdivia

Viña del Mar

Valparaíso

La Serena

Concepción

4- Paraguay (1 city)

Asunción

5- Uruguay (3 cities)

Montevideo

Minas

Punta del Este

6- Bolivia (4 cities)

La Paz

Cochabamba

Sucre

Santa Cruz de la Sierra

7- Peru (4 cities)

Lima

Pisco

Ica

Tacna

8- Ecuador (3 cities)

Quito

Guayaquil

Cuenca

9- Colombia (7 cities)

Bogotá

Medellín

Bucaramanga

Manizales

Pereira

Armenia

Cartagena de Indias

10- Venezuela (2 cities)

Caracas

Isla Margarita

11- Cuba (1 city)

Camagüey

12- Mexico (10 cities)

Mexico City

Hermosillo	18- Spain (6 cities)	23- Czech Republic (1 city)
Mérida	Madrid	Prague
Guadalajara	Valencia	
Morelia	Canary Islands	
Ensenada	Pontevedra	24- Israel (2 cities)
León/Guanajuato	San Sebastián	Jerusalem
Monterrey	Pamplona	Tel Aviv
Celaya-Guanajuato		
Puerto Vallarta	19- Portugal (2 cities)	25- Ireland (1 city)
	Porto	Dublin
	Lisbon	
13- USA (5 cities)		26- Panama (2 cities)
Knoxville		Panama City
Miami	20- France (2 cities)	La Chorrera
Gainesville	Paris	
Texas	Lyon	
Louisiana	21- Italy (10 cities)	27- Germany (2 cities)
	Bari	Berlin
14- South Africa (1 city)	Elba	Hannover
Cape Town	Milan	
	Naples	28- Switzerland (1 city)
15- New Zealand (1 city)	Novara	Zurich
2. Auckland	Padua	
	Palermo	29- Russia (1 city)
16- England (1 city)	Pisa	Moscow
London	Venice	
	Bologna	30- Netherlands
17- Scotland (1 city)	22- Austria (1 city)	Utrecht
Glasgow	Vienna	
		31- Slovenia
		Ljubljana

