

# ***CURRICULUM VITAE***

## **GENERAL INFORMATION**

### **Name and degrees**

Chiara Adami

DMV, MRCVS, DACVAA, DECVAA, RCVS Specialist in Veterinary Anaesthesia, PGCert Vet. Ed., Habil. Prof., Ph.D.

### **Present work address**

Department of Veterinary Medicine, University of Cambridge, Madingley Road, Cambridge CB30ES

### **Citizenship, place of birth**

Italian, Todi (PG) Italy

### **Languages**

- Italian (mother language)
- English (Cambridge Proficiency English Certificate C2) (06/2014)
- German (Certificate B2) (05/2012)

### **Undergraduate Education**

Graduated *cum laudae* at the College of Veterinary Medicine, University of Perugia, Italy (07/2003)

### **Advanced Postgraduate Degrees**

- Doctor of Philosophy (Ph.D.)  
Faculty of Veterinary Medicine, University of Perugia, Italy (2007)
- Post-graduate Certificate in Epidemiology and Biostatistics (Modules 1 & 2)  
University of Berne, Switzerland (2008)
- Doctorate dissertation  
Vetsuisse Faculty, University of Berne, Switzerland (2008)
- Diploma FELASA (Federation for Laboratory Animal Science Association): Laboratory Animal Course Module 1  
University of Zürich, Switzerland (2014)

- Post-graduate Certificate in Veterinary Education  
Royal Veterinary College, University of London (2016)
- Habilitation for Professorship (National scientific qualification as Associate Professor in the Italian higher education system for the disciplinary field of Clinical Veterinary Surgery, Anaesthesia and Obstetrics; sector 07/H5), Italy (2018)

### **Honours and other Distinctions**

- Graduated with honour (110/110 *cum laudae*) 07/2003
- Award scholarship (Euro 5.000), funded by the “*Collegio Pio Della Sapienza*” for a 4-month period externship as postgraduate student (04/2005)

### **Licensure**

Member of the Royal College of Veterinary Surgeons (2015 – present)

### **Speciality Board Certifications**

- American College of Veterinary Anaesthesia and Analgesia (2013)
- European College of Veterinary Anaesthesia and Analgesia (2013)
- RCVS Specialist in Veterinary Anaesthesia and Analgesia (2016)

### **Committees**

- Member of the AVA (Association of Veterinary Anaesthetists) Ethics Committee for research studies (12/2018 – present)
- Assessor for Competencies of PIL Holder (field: non-surgical/surgical procedures in rabbits). University of London (01/2016 – 04/2020)
- Member of the Clinical Research Ethical Review Board (CRERB) of the Royal Veterinary College (01/2016 – 04/2020)

### **Consultantships**

- Consultant for various laboratory animal facilities (Inselspital of Berne, Allevia AG Switzerland, Hoffman-La Roche Basel, Switzerland) in the field of laboratory animal anaesthesia, pain recognition and pain treatment (01/2008 – 01/2012)

## **PROFESSIONAL POSITIONS**

### **Current Professional Positions**

- Clinical Training Lead in Anaesthesia (Academic) (04/2021 - present)

Department of Veterinary Medicine, University of Cambridge

Role: Academic teaching (Clinical Anaesthesia) to undergraduate students

- Animal Welfare Officer (Consultant in Veterinary Anaesthesia) (01/2021 – present)  
Role: critical revision and approval of applications of research projects, involving the use of experimental animals, submitted to the Animal Office in Switzerland (Canton Berne)  
Employer: Dr. Isabelle Desbaillets Hakimi – Vice-Rectorate Research of the University of Berne (01/2021- present)

### **Past Professional Positions**

- Locum Anaesthesia Service for Private Referral Hospitals in the UK (07/2020- 04/2021)
- Senior Lecturer in Veterinary Anaesthesia (probation period ended in 2018)  
Royal Veterinary College, University of London  
Employer: Prof. Dr. Holger Volk (former Head of Department) (04/2015 – 04/2020)
- Lecturer in Veterinary Anaesthesia  
Vetsuisse Faculty, University of Berne, Switzerland  
Employer: Prof. Dr. Claudia Spadavecchia (09/2013 – 03/2015)
- Staff Clinician in Veterinary Anaesthesia  
Vetsuisse Faculty, University of Berne, Switzerland  
Employer: Prof. Dr. Claudia Spadavecchia (01/2012 – 08/2013)
- Senior clinical training scholar (resident in Veterinary Anaesthesia and Analgesia)  
Veterinary Teaching Hospitals of the Vetsuisse Faculty, University of Berne, Switzerland  
Employer: Prof. Dr. Claudia Spadavecchia (01/2009 – 12/2011)
- Research Fellowship (Clinical Sciences)  
Faculty of Veterinary Medicine, University of Perugia, Italy  
Employer: Prof. Antonio Di Meo (12/2007 - 12/2008)
- PhD student (Clinical Sciences)  
Faculty of Veterinary Medicine, University of Perugia, Italy  
Employer: Prof. Antonio Di Meo (11/2004 – 11/2007)
- Junior clinical training scholar (rotating internship)  
Clinica Euroveterinaria, Perugia, Italy  
Employer: Dr. Massimo Floris (07/2003 – 10/2004)

### **CLINICAL EXPERIENCE**

- Clinical anaesthetist for small animals, large animals and exotic animal species (2008-2021)

- Pain therapist consultant for both external and in-house patients at the pain clinic of the Royal Veterinary College (2019-2020)
- Back-up emergency service to interns and residents during their weekend and night anaesthesia duties at the Royal Veterinary College (2015-2020)
- Consultation to private practitioners performing in the UK for both anaesthesia and pain therapy by phone/e-mail (2015-2020)
- Supervision of clinical cases managed by the anaesthesia residents, interns and nurses during their clinical duties, at both the Royal Veterinary College and the Vetsuisse Faculty of the University of Berne, Switzerland (2012-2020)

## **ACADEMIC TEACHING EXPERIENCE**

### **Teaching to undergraduates**

- Lectures for the students attending the 2<sup>nd</sup> (course: Basic Sciences), 3<sup>rd</sup> (course: Anaesthesia and Analgesia), and 5<sup>th</sup> years (course: Small Animal Anaesthesia Electives) of Veterinary Medicine at the Royal Veterinary College (2015-2020)
- Lectures for the students attending the Veterinary Nursing Course at the Royal Veterinary College (course: Graduate Diploma in Veterinary Nursing) (2015-2020)
- Module leader of the course “Small Animal Anaesthesia Electives” for Veterinary Medicine students attending the 5<sup>th</sup> year at the Royal Veterinary College (2015-2020)
- Module leader of the course “Small Animal Anaesthesia Elective (Schwerpunkte)” for the students attending the 4<sup>th</sup> year of the Vetsuisse Faculty of the University of Bern (2013-2014)
- Lectures for the students attending the 4<sup>th</sup> year of Veterinary Medicine at the Vetsuisse Faculty of the University of Bern, Switzerland (2013-2015)
- Lectures for the students attending the 4<sup>th</sup> year of Veterinary Medicine at the University of Perugia, Italy (2008)

### **Teaching to postgraduates**

- Clinical teaching to residents and interns (on a daily basis, during the clinical duties and through evening case rounds) (2013-present)
- Lectures for the postgraduate students attending the University Master Course in Veterinary Medicine Science (Small Animal; Anaesthesia Modules) at the Royal Veterinary College (2015-2020)
- Module leader of the course “Small Animal Anaesthesia and Equine Anaesthesia” of the Certificate of Advanced Veterinary Practice (Cert AVP) for postgraduate students (Royal Veterinary College) (2018-2020)

- Deputy Module leader of the course “Anaesthesia” of the University Master Course (MVetMed) in Veterinary Medicine Science (Small Animal) for postgraduate students (Royal Veterinary College) (2015-2020)
- Coordinator of the Continuing Professional Development (CPD) program (Anaesthesia) at the Royal Veterinary College (02/2019 – 04/2020)

### **Experience as examiner/assessor**

- Examiner/assessor for Modules B and C assignments of the Certificate of Advanced Veterinary Practice (Cert AVP; course: Small Animal Anaesthesia and Equine Anaesthesia) at the Royal Veterinary College (2017-2020)
- Provision and marking of exam questions (long answer, short answer, MCQs) for undergraduate (3<sup>rd</sup> and 5<sup>th</sup> years) and postgraduate students (attending the University Master Course in Veterinary Medical Sciences (Small Animal) at the Royal Veterinary College (2015- 2020)
- Examiner for OSCE (Objective Structured Clinical Examination) and OSPVEs (Objective Structured Practical Veterinary Examination) for undergraduates (both Veterinary Medicine and Nursing Veterinary students) at the Royal Veterinary College (2015- 2020)
- Deputy exam board chair of Post-Graduate Diploma in Veterinary Clinical Practice course (PGDip VCP) at the Royal Veterinary College (2016- 2019)
- Marking of long and short essay exam questions of the ECVAAB board examination (2015-2016)

### **Experience in tutoring and supervision**

- Primary supervision (clinical and research) of five residents (of which three registered to both ACVAA and ECVAAB programs and two ACVAA residents) (2016-present)
- Leader/director of the residency program (American College of Veterinary Anaesthesia and Analgesia) at the Royal Veterinary College (07/2016 – 04/2020)
- Academic tutor for 3<sup>rd</sup> and 4<sup>th</sup> year undergraduate students at the Royal Veterinary College (01/2018 – 04/2020)
- Supervision of undergraduates’ research projects, including Basic Science (3<sup>rd</sup> year) (four projects, 2015-2019) Veterinary Medicine (4<sup>th</sup> year) (five projects, 2016-2018), and Veterinary Nursing Students (five projects) at the Royal Veterinary College
- Supervision of postgraduates’ research projects, including University Master projects (two projects, 2016-2019) and residency projects (nine projects, 2016-2019) at the Royal Veterinary College

- Research supervision of one ECVAA resident (2014-2017)
- External supervision of one Ph.D. student (one project, 2014-2017) at the University of Turin, Italy

### Teaching collaborations with other Universities

- Louisiana State University, School of Veterinary Medicine  
Role: teaching for postgraduate students (Pain Course: “Loco regional techniques in equine and farm animal species”, four hours theoretical lectures (23/11/2010)
- College of Veterinary Medicine of the University of Glasgow, UK  
Role: external examiner for postgraduate Master Thesis) (11/2018 – 04/2019)
- College of Veterinary Medicine of the University of Camerino, Italy  
Role: teaching to postgraduate students attending the University Master in Veterinary Cardiology) (01/2019 – 01/2020)
- College of Veterinary Medicine of the University of Turin, Italy,  
Role: visiting Professor: revision of the study curriculum, invited lectures and written examination for the 4<sup>th</sup> year undergraduate students (11/2014 – 04/201)
- CAUVTH (China Agricultural University Veterinary Teaching Hospital) & ESAVS (European School of Advanced Veterinary Specialization)  
Role: invited speaker (for a total of 40 hours between theoretical lectures and workshops) for the University Course: “Cornerstone Beijing” for postgraduate students (Beijing, China, 01/2017)
- College of Veterinary Medicine of University of Pisa, Italy  
Role: teaching for a total of 16 hours (including theoretical lectures and workshops) to postgraduate students attending the “University Master in Veterinary Anaesthesia and Pain Therapy for Domestic and non-conventional Animal Species” (11/2013-11/2014)

## RESEARCH EXPERIENCE

### Grants, awards and funding

Funded research on which I have been principal investigator and primary applicant:

- **Title of the project:** “Anti-inflammatory and analgesic efficacy of cannabidiol in feline chronic maladaptive pain”  
**Funding Institution:** ElleVet Science, US (industry)  
**Amount:** £ 48.432 (45.000 £ for Ph.D. student salary + 3.432 £ as contribution for consumables including active substance and placebo)

**State of the project:** Date for beginning of data collection to be confirmed (protocol currently suspended owing to the Covid-19 sanitary emergency) (01/2020 – present)

- **Title of the project:** “Novel immersion anaesthetic techniques in *Xenopus laevis*”

**Funding Institution:** Jurox Australia (industry)

**Amount:** 1.000 Euro

**Collaborators:** P. Monticelli and D. d’Ovidio

**State of the project:** Date for beginning of data collection to be confirmed (awaiting for approval from the Italian Board of Health; protocol currently suspended owing to the Covid-19 sanitary emergency) (01/2017 – present)

- **Title of the project:** “Efficacy of acupuncture in improving peri-operative analgesia in dogs undergoing thoracolumbar hemilaminectomy”

**Funding Institution:** PetSavers UK (charity of BSAVSA)

**Amount:** 3.466 £

**Collaborators:** H. Machin, F. Taylor-Brown

**State of the project:** Abstract presented at an international conference (AVA Autumn meeting, Berlin 2018) and published as proceeding; research paper published in The Veterinary Journal (awarded as Editor’s choice) (2021)

- **Title of the project:** “Evaluation of peri-operative epidural analgesia with ropivacaine, ropivacaine and sufentanil, and ropivacaine, sufentanil and epinephrine in isoflurane anesthetized dogs undergoing tibial plateau leveling osteotomy (TPLO)”

**Funding Institution:** Spezko (Spezialisierung-Kommission, University of Berne)

**Amount:** 4.464 CHF

**Collaborators:** C. Spadavecchia, A. Bergadano, U. Rytz

**State of the project:** Abstract presented at an international conference (AVA Autumn meeting, Barcelona 2010) and published as proceeding; research paper published in The Veterinary Journal (2011)

Funded research projects I have been involved in:

- **Title of the project:** “Musculoskeletal biomechanics of vertebrate motion”

**Role:** Design of the anaesthetic/analgesic protocols and provision of anaesthesia to the laboratory animals involved in the project (Elegant crested Tinamous and Nile crocodiles)

**Primary applicant:** Prof. John R. Hutchinson

**Funding Institution:** Horizon 2020 (Europe)

**Type of grant:** Advanced Investigator Grant

**Amount:** 2.500.000 Euro

**State of the project:** Four scientific articles published (three as co-author and two as senior author) in Veterinary Anaesthesia and Analgesia (2019,2020), Avian Medicine and Surgery (2020), and Journal of Morphology (2019)

### **Research collaborations with other Universities**

- College of Veterinary Medicine of the University of Turin, Italy,  
Role: postgraduate research projects (11/2014 – 04/201)
- College of Veterinary Medicine of the University of Perugia, Italy  
Role: research collaboration for one postgraduate project (01/2008 – 12/2008)

### **Scientific publications**

**Overview: 67 scientific papers published/in press in peer-review referred journals, 2 book chapters, and 14 peer reviewed abstracts (published abstracts: international conference proceedings from the last 10 years)**

- **Scientific publications in referred journals (Peer reviewed journal articles only, as in PubMed)**

#### **7 INVITED REVIEW ARTICLES (3 as first author, 2 as senior author and 2 as coauthor)**

1. Sabater Gonzales M, **Adami C.** Psittacine sedation and anesthesia. Vet Clinics North Am: Exot Anim Practice 2021 (Article in press).
2. **Adami C.**, Monticelli P. Use of ketamine in Sphynx cats. J Am Anim Hosp Assoc 2020; 56 (5): 266–269.
3. **Adami C.**, Spadavecchia C. Use of nociceptive threshold testing in cats in experimental and clinical settings: a qualitative review. Vet Anaesth Analg. 2020; 47(4):419-436.
4. Comolli J, d'Ovidio D, **Adami C.**, Schnellbacher R. Technological advances in exotic pet anesthesia and analgesia. Vet Clin North Am Exot Anim Pract 2019; 22(3):419-439.
5. d'Ovidio D, **Adami C.** Locoregional Anesthesia in Exotic Pets. Vet Clin North Am Exot Anim Pract. 2019; 22(2): 301-314.



6. **Adami C**, Gendron K. What is the evidence? The issue of verifying correct needle position during epidural anaesthesia in dogs. *Vet Anaesth Analg*. 2017; 44(2): 212-218.
7. Gendron K, Francey T, **Adami C**, Geissbühler U. Radiologic interpretation of central venous catheter placement. *Compend Contin Educ Vet*. 2013 May; 35(5): E4.PMID: 23677780.

**41 RESEARCH PAPERS (16 as first author, 19 as senior author and 6 as co-author)**

8. d'Ovidio D, Monticelli P, **Adami C**. Isoflurane anesthesia in budwing praying mantises (*Parasphendale Agrionina*). *J Zoo Wildlife Med*. 2021 (Article in press).
9. Norgate DJ, Nicholls D, Geddes R, Dawson C, **Adami C**. Comparison of two protocols for insulin administration and fasting time in diabetic dogs anaesthetised for phacoemulsification: a prospective clinical trial. *Vet Rec*. 2021 (Article in press).
10. Machin H, Taylor-Brown F, **Adami C**. Use of acupuncture as adjuvant analgesic technique in dogs undergoing thoracolumbar hemilaminectomy. *Vet J*. 2020 (Article in press); DOI: 10.1016/j.tvjl.2020.105536 (shared first authorship; Editor's choice article).
11. Bianchi C, **Adami C**, Cuff A, Monticelli P. Mandibular nerve block in juvenile Nile crocodile: a cadaveric study. *Vet Anaesth Analg*. 2020; 47(6):835-842 (Editor's choice article).
12. Barale L, Monticelli P, Raviola M, **Adami C**. Preliminary clinical experience of low-level laser therapy for the treatment of canine osteoarthritis-associated pain: A retrospective investigation on 17 dogs. *Open Veterinary Journal* 2020; 10(1): XX; DOI: [10.4314/ovj.v10i1.x](https://doi.org/10.4314/ovj.v10i1.x).
13. **Adami C**, Westwood-Hearn H, Bolt DM, Monticelli P. Prevalence of electrolyte disturbances and perianesthetic death risk factors in 120 horses undergoing colic surgery. *J Equine Vet Sci* 2020; 84: 102843.
14. **Adami C**, Sanchez FR, Monticelli P. Effect of insulin and fasting regimen on blood glucose concentrations of diabetic dogs during phacoemulsification *J Am Anim Hosp Assoc* 2020; 56(1): 1-6.
15. Ronaldson HL, Monticelli P, Cuff A, Krijin M, d'Ovidio D, **Adami C**. Anaesthesia and anaesthetic-related complications of eight elegant-crested tinamous (*Eudromia elegans*) undergoing experimental surgery. *J Avian Med Surg* 2020; 34(1): 17-25.
16. Machin H, Pevere S, **Adami C**. Inter and intra-observer reliability of quantitative sensory testing performed with the SMALGO to evaluate pain associated to feline gingivo-stomatitis. *J Feline Med Surg* 2020; 22(4): 271-276 (shared first authorship).
17. **Adami C**, Lardone E, Monticelli P. Inter-rater and inter-device reliability of mechanical thresholds measurement with the Electronic von Frey Anaesthesiometer and the SMALGO in healthy cats. *J Feline Med Surg* 2019; 21(10): 979-984.

18. d'Ovidio D, Monticelli P, Santoro M, **Adami C**, Immersion anaesthesia with ethanol in African giant land snails (*Achatina fulica*). *Heliyon* 2019; 5; DOI: 10.1016/j.heliyon.2019.e01546.
19. d'Ovidio D, Nermut J, **Adami C**, Santoro M. Occurrence of Rhabditid nematodes in the pet giant African land snails (*Achatina fulica*). *Front Vet Sci* 2019; DOI: 10.3389/fvetts.2019.0008.
20. Cuff A, Krijn M, Allen V, **Adami C**, Monticelli P, Pelligand L, Hutchinson J. Relating neuromuscular control to functional anatomy of limb muscles in extant archosaurs. *J Morphol.* 2019; 280(5): 666-680.
21. **Adami C**, Sanchez R, Monticelli P. Use of atracurium and its reversal with neostigmine in 14 pet rabbits undergoing ophthalmic surgery: a retrospective study. *Vet Rec* 2019; 184(14): 443.
22. Machin H, Kato E, **Adami C**. Quantitative sensory testing with Electronic von Frey Anaesthesiometer and von Frey filaments in nonpainful cats: a pilot study. *Vet Anaesth Analg.* 2019; 46(2): 251-254 (shared first authorship).
23. Monticelli P, Ronaldson HL, J Hutchinson, Cuff A, d'Ovidio D, **Adami C**. Medetomidine–ketamine–sevoflurane anaesthesia in juvenile Nile crocodiles (*Crocodylus niloticus*) undergoing experimental surgery. *Vet Anaesth Analg.* 2019; 46(1): 84-89.
24. d'Ovidio D, Marino F, Noviello E, Lanaro E, Monticelli P, **Adami C**. Sedative effects of intramuscular alfaxalone in pet guinea pigs (*Cavia porcellus*). *Vet Anaesth Analg* 2018; 45(2):183-189.
25. Lee HW, Machin H, **Adami C**. Peri-anaesthetic mortality and nonfatal gastrointestinal complications in pet rabbits: a retrospective study on 210 cases. *Vet Anaesth Analg* 2018; 45(4): 520-528.
26. Fernández-Parra R, **Adami C**, Zilberstein L. Dexmedetomidine-methadone-ketamine versus dexmedetomidine-methadone-alfaxalone combinations for cats undergoing ovarioectomy. *Vet Anaesth Analg.* 2017; 44(6): 1332-1340.
27. Fernández-Parra R, Zilberstein L, **Adami C**. Comparison of intra-testicular lidocaine, sacrococcygeal epidural lidocaine and intravenous methadone in cats undergoing castration: a prospective, randomized, investigator-blind clinical trial. *Vet Anaesth Analg.* 2017; 44(2): 356-363.
28. Lardone E, Peirone B, **Adami C**. Combination of magnesium sulphate and ropivacaine epidural analgesia for hip arthroplasty in dogs. *Vet Anaesth Analg.* 2016; 44(5): 1227-1235.
29. **Adami C**, Casoni D, Noussitou F, Rytz U, Spadavecchia C. Addition of magnesium sulphate to ropivacaine for spinal analgesia in dogs undergoing tibial plateau levelling osteotomy. *Vet J.* 2016; 209:163-168.

30. **Adami C**, d'Ovidio D, Casoni D. Alfaxalone-butorphanol versus alfaxalone-morphine combination for immersion anaesthesia in oriental fire-bellied toads (*Bombina orientalis*). *Lab Anim.* 2016; 50(3): 204-211.
31. **Adami C**, d'Ovidio D, Casoni D. Alfaxalone versus alfaxalone-dexmedetomidine anaesthesia by immersion in oriental fire-bellied toads (*Bombina orientalis*). *Vet Anaesth Analg.* 2016; 43(3): 326-332.
32. **Adami C**, Imboden T, Giovannini AE, Spadavecchia C. Combinations of dexmedetomidine and alfaxalone with butorphanol in cats: application of an innovative stepwise optimisation method to identify optimal clinical doses for intramuscular anaesthesia. *J Feline Med Surg.* 2016; 18(10): 846-853.
33. **Adami C**, Spadavecchia C, Angeli G, d'Ovidio D. Alfaxalone anesthesia by immersion in oriental fire-bellied toads (*Bombina orientalis*). *Vet Anaesth Analg.* 2015; 42(5): 547-551.
34. d'Ovidio D, Spadavecchia C, Angeli G, **Adami C**. Etomidate anaesthesia by immersion in oriental fire-bellied toads (*Bombina orientalis*). *Lab Anim.* 2015; 49(4): 319-326.
35. d'Ovidio D, Noviello E, **Adami C**. Nerve stimulator-guided sciatic-femoral nerve block in raptors undergoing surgical treatment of pododermatitis. *Vet Anaesth Analg.* 2015; 42(4): 449-453.
36. Casoni D, Spadavecchia C, **Adami C**. S-ketamine versus racemic ketamine in dogs: their relative potency as induction agents. *Vet Anaesth Analg.* 2015; 42(3): 250-259.
37. **Adami C**, Dayer T, Spadavecchia C, Angeli G. Ultrasound-guided pudendal nerve block in cats undergoing perineal urethrostomy: a prospective, randomised, investigator-blind, placebo-controlled clinical trial. *J Feline Med Surg.* 2014; 16(4): 340-345.
38. **Adami C**, Wenker C, Hoby S, Morath U, Bergadano A. Anaesthesia with medetomidine-ketamine-isoflurane with and without midazolam, in eight captive chimpanzees (*Pan troglodytes*) premedicated with oral zuclopenthixol. *Schweiz Arch Tierheilkd.* 2013; 155(8): 471-476.
39. **Adami C**, Bergadano A, Spadavecchia C. Limitations of the use of pressure waves to verify correct epidural needle position in dogs. *Vet Med Int.* 2013; DOI: 10.1155/2013/159489.
40. **Adami C**, Angeli G, Haenssger K, Stoffel MH, Spadavecchia C. Development of an ultrasound-guided technique for pudendal nerve block in cat cadavers. *J Feline Med Surg.* 2013; 15(10): 901-907.
41. Wenger S, Hoby S, Wyss F, **Adami C**, Wenker C. Anaesthesia with medetomidine, midazolam and ketamine in six gorillas after premedication with oral zuclopenthixol dihydrochloride. *Vet Anaesth Analg.* 2013; 40(2): 176-180.

42. **Adami C**, Wenker C, Hoby S, Bergadano A. Evaluation of effectiveness, safety and reliability of intramuscular medetomidine-ketamine for captive great apes. *Vet Rec.* 2012; 171(8): 196.
43. **Adami C**, Veres-Nyéki K, Spadavecchia C, Rytz U, Bergadano A. Evaluation of peri-operative epidural analgesia with ropivacaine, ropivacaine and sufentanil, and ropivacaine, sufentanil and epinephrine in isoflurane anesthetized dogs undergoing tibial plateau levelling osteotomy. *Vet J.* 2012; 194(2): 229-234.
44. Bufalari A, Maggio C, Cerasoli I, Morath U, **Adami C**. Preemptive carprofen for peri-operative analgesia in dogs undergoing Tibial Plateau Leveling Osteotomy (TPLO): a prospective, randomized, blinded, placebo controlled clinical trial. *Schweiz Arch Tierheilkd.* 2012; 154(3): 105-111.
45. Blaser A, Lang J, Henke D, Doherr MG, **Adami C**, Forterre F. Influence of durotomy on laser-Doppler measurement of spinal cord blood flow in chondrodystrophic dogs with thoracolumbar disk extrusion. *Vet Surg.* 2012; 41(2): 221-227.
46. **Adami C**, Bergadano A, Bruckmaier RM, Stoffel MH, Doherr MG, Spadavecchia C. Sciatic-femoral nerve block with bupivacaine in goats undergoing elective stifle arthrotomy. *Vet J.* 2011; 188(1): 53-57.
47. Bufalari A, Di Meo A, Nannarone S, Padua S, **Adami C**. Fentanyl or sufentanil continuous infusion during isoflurane anaesthesia in dogs: clinical experiences. *Vet Res Commun.* 2007; 31(1): 277-280.
48. Bufalari A, **Adami C**, Angeli G, Short CE. Pain assessment in animals. *Vet Res Commun.* 2007; 31(1): 55-58.

#### **19 CASE SERIES/ CASE REPORTS (7 as first author and 12 as senior author)**

49. Nicholls D, Monticelli P, **Adami C**. Occurrence of pulsus alternance during anesthesia of two dogs and one cat and its treatment. *Australian Vet J.* 2020; 99(1-2):15-19.
50. Ronaldson HL, Monticelli P, Smith RK, **Adami C**. Acute life-threatening laryngeal dysfunction in a draft horse recovering from general anesthesia: a case report. *Equine Veterinary Science* 2020. DOI: 10.1016/j.jevs.2020.103109.
51. Monticelli P, **Adami C**. Correspondence: A response to “Are gastric contents usually regarded as sterile?” *Equine Vet Edu* 2019; DOI: 10.1111/eve.13169.
52. **Adami C**, Monticelli P, d’Ovidio D. Challenges encountered while attempting anaesthesia of giant African snails (*Acathina fulica*). *Vet Anaesth Analg* 2019; 46(5): 713-715.
53. Monticelli P, Dawson C, **Adami C**. Life-threatening hyperkalemia in a diabetic dog undergoing anaesthesia for elective phacoemulsification. *Vet Anaesth Analg.* 2018; 45(6): 881-882.

54. Monticelli P, **Adami C**. Aspiration pneumonitis (Mendelson's syndrome) as peri-anaesthetic complication occurring in two horses: a case report. *Equine Vet Edu* 2017; DOI:org/10.1111/eve.12781.
55. Monticelli P, McSloy A, Morath U, **Adami C**. Challenging anaesthetic management of captive reindeers (*Rangifer tarandus*): a report of 4 cases. *SAT Schweizer Archiv für Tierheilkunde* 2017; 159(12): 657-662.
56. Monticelli P, Stathopoulou TR, Lee K, **Adami C**. Life-threatening perianaesthetic complications in five cats undergoing biliary tract surgery: case series and literature review. *J Feline Med Surg*. 2017; 19(6): 717 –722.
57. **Adami C**, Axiak S, Raith K, Spadavecchia C. Unusual perianesthetic malignant hyperthermia in a dog. *J Am Vet Med Assoc*. 2012; 240(4): 450-453.
58. Monticelli P, Campoy L, **Adami C**. Ultrasound-Guided Femoral and Sciatic Nerve Blocks for Repair of Tibia and Fibula Fractures in a Bennett's Wallaby (*Macropus rufogriseus*). *Case Rep Anesthesiol* 2016; 2016:8909205.
59. Morath U, Gendron K, Revés NV, **Adami C**. Perioperative and anesthetic management of complete tracheal rupture in one dog and one cat. *J Am Anim Hosp Assoc*. 2015; 51(1): 36-42.
60. **Adami C**, Studer N. A case of severe ventricular arrhythmias occurring as a complication of nerve-stimulator guided brachial plexus location. *Vet Anaesth Analg*. 2015; 42(2): 230-231.
61. Casoni D, Spadavecchia C, **Adami C**. Cardiovascular changes after administration of aerosolized salbutamol in horses: five cases. *Acta Vet Scand*. 2014; 4(56): 49.
62. d'Ovidio D, Rota S, Noviello E, Briganti A, **Adami C**. Nerve stimulator-guided sciatic-femoral nerve block in pet rabbits (*Oryctolagus cuniculus*) undergoing hind limb surgery: a case series. *J Exotic Pet Med*. 2014; 23: 91-95.
63. Argano M, Gendron K, Rytz U, **Adami C**. Anesthetic and airways management of a dog with severe tracheal collapse during intra-luminal stent placement. *Case Reports in Veterinary Medicine* 2013; Vol. 2013, Art. ID 234598.
64. **Adami C**, Spadavecchia C, Casoni D. Seizure activity occurring in two dogs after S-ketamine-induction. *Schweiz Arch Tierheilkd*. 2013; 155(10): 569-572.
65. **Adami C**, Di Palma S, Gendron K, Sigrist N. Severe esophageal injuries occurring after general anesthesia in two cats: case report and literature review. *J Am Anim Hosp Assoc*. 2011; 47(6): 436-442.
66. **Adami C**, Levionnois O, Spadavecchia C. Acute pulmonary edema and airway hemorrhage in a goat during sevoflurane anesthesia. *Schweiz Arch Tierheilkd*. 2011; 153(2): 86-88.

67. **Adami C**, Axiak S, Rytz U, Spadavecchia C. Alternating one lung ventilation using a double lumen endobronchial tube and providing CPAP to the non-ventilated lung in a dog. *Vet Anaesth Analg*. 2011; 38(1): 70-76.

- **Book Chapters**

1. **Adami C**. Pudendal nerve block. In: “Loco-regional anaesthesia in small animals”, Matthew Read and Luis Campoy (Eds), 2<sup>nd</sup> edition, Wiley (currently in press).
2. **Adami C**, Read M. Infiltrations. In: “Loco-regional anaesthesia in small animals”, Matthew Read and Luis Campoy (Eds), 2<sup>nd</sup> edition, Wiley (currently in press).

- **International Conference Proceedings (last 10 years only)**

1. Norgate DJ, Nicholls D, Geddes R, Dawson C, Hoy C, **Adami C**. A non-randomised prospective investigation on the optimal pre-operative insulin and fasting regimen for diabetic dogs undergoing cataract surgery: preliminary results. Association of Veterinary Anaesthetists Conference, Dublin, Ireland, 2020.
2. **Adami C**. Pre-anaesthetic assessment, sedation protocols and anaesthesia in the main heart diseases. AMVAC (Asociación Madrileña de Veterinarios de Animales de Compañía) Annual Congress, Madrid, Spain, March 2019.
3. **Adami C**. Use of inotropes, vasoactive and emergency drugs during anaesthesia. AMVAC (Asociación Madrileña de Veterinarios de Animales de Compañía) Annual Congress, Madrid, Spain, March 2019.
4. **Adami C**. Anaesthesia of Exotic Species. LASA (Laboratory Animal Science Association) International Annual Conference, Birmingham, UK, November 2018.
5. Machin H, Taylor-Brown F, **Adami C**. Efficacy of acupuncture in improving peri-operative analgesia in dogs undergoing thoracolumbar hemilaminectomy. World Congress of Veterinary Anaesthesia, Venice, Italy, September 2018.
6. Ronaldson HR, **Adami C**, Alibhai H. Patient handover in veterinary medicine: opinion and practice. World Congress of Veterinary Anaesthesia, Venice, Italy, September 2018.
7. d’Ovidio D, Spadavecchia C, Angeli G, **Adami C**. Etomidate anaesthesia by immersion in oriental fire-bellied toads (*Bombina orientalis*). International Conference on Avian herpetological and Exotic mammal medicine, Paris, France, 2015.
8. **Adami C**, Spadavecchia C, Angeli G, d’Ovidio D. Evaluation of efficacy and safety of alfaxalone anaesthesia by immersion in oriental fire-bellied toads (*Bombina orientalis*). International Conference on Avian herpetological and Exotic mammal medicine, Paris, France, 2015.

9. Casoni D, Adami C, Haenggi M, Michalis A, Spadavecchia C. Postoperative findings in experimental sheep undergoing brain surgery: preliminary results. Association of Veterinary Anaesthetists Conference, Nottingham, UK, 2014.
10. d'Ovidio D, Rota S, Noviello E, Briganti A, Adami C. Nerve stimulator-guided sciatic-femoral block in pet rabbits undergoing hind limb surgery: A case series. Association of Exotic Mammals Veterinarians Annual Conference. Indianapolis, Indiana, USA, September 2013.
11. d'Ovidio D, Noviello E, Adami C. Sciatic-femoral nerve block for surgical treatment of bumblefoot in captive raptors. European Association of Zoo and Wildlife Veterinarians annual Conference, Vienna, Austria, May 2013.
12. Casoni D, Spadavecchia C, Maurer K, Adami C. S-ketamine versus racemic ketamine in dogs: clinical investigation on their relative potency as induction agents. Association of Veterinary Anaesthetists Conference, London, UK, 2013.
13. Adami C, Angeli G, Stoffel MH, Spadavecchia C. Cadaveric and *in vivo* pilot studies of ultrasound-guided feline pudendal nerve block: identification of anatomical landmarks, development of the technique and practicability in cats undergoing perineal urethrostomy. World Congress of Veterinary Anaesthesia, Cape Town, South Africa, 2012.
14. Adami C, Wenker C, Morath U, Hoby S, Bergadano A. Anaesthesia with medetomidine-ketamine-isoflurane, with and without midazolam, in eight captive chimpanzees (*Pan troglodytes*) premedicated with oral zuclopenthixol. World Congress of Veterinary Anaesthesia, Cape Town, South Africa, 2012.
15. Adami C, Veres Nyèki K, Spadavecchia C, Bergadano A. Combination of sufentanil, epinephrine and ropivacaine for lumbo-sacral epidural analgesia in dogs undergoing tibial plateau leveling osteotomy (TPLO). Association of Veterinary Anaesthetists Conference, Bari, Italy, 2010.
16. Adami C, Bergadano A, Bruckmaier RM, Stoffel MH, Doherr MG, Spadavecchia C. Sciatic femoral nerve block with bupivacaine in goats undergoing elective stifle arthroscopy: a prospective, randomized, blinded, placebo-controlled study. Association of Veterinary Anaesthetists Conference, Barcelona, Spain, 2009.

## **EXTENSION AND CONTINUING EDUCATION INSTRUCTION**

### **Invited Lectures at National and International Conferences**

- XIV National Congress UNISVET “Belli da Morire” (Milan, Italy); invited speaker for one lecture (14<sup>th</sup>-16<sup>th</sup> /02/2020)
- AMVAC (Asociación Madrileña de Veterinarios de Animales de Compañía) Annual Congress (Madrid, Spain); invited speaker for three lectures (21<sup>st</sup>-23<sup>rd</sup>/03/2019)

- XIII National Congress UNISVET “Air” (Milan, Italy); invited speaker for three lectures (15<sup>th</sup>-17<sup>th</sup>/02/2019)
- LASA (Laboratory Animal Science Association) International Annual Conference” (Birmingham, UK); invited speaker for one lecture (27<sup>th</sup>-29<sup>th</sup>/11/2018)
- XII National Congress UNISVET “Tube” (Milan, Italy); invited speaker for five lectures (16<sup>th</sup>-18<sup>th</sup>/02/2018)
- XI National Congress UNISVET “Step by Step” (Milan, Italy); invited speaker for one lecture (17<sup>th</sup>-19<sup>th</sup>/02/2017)
- National Congress AIVO (Italian Association Veterinarians for Oncology; “1 Congresso AIVO 2016”); Milan, Italy); invited speaker for one lecture (7<sup>th</sup>-8<sup>th</sup>/05/2016)
- X National Congress UNISVET “Guidelines in Veterinary Medicine” (Milan, Italy); invited speaker for two lectures (19<sup>th</sup>-21<sup>st</sup>/02/2016)
- 4<sup>th</sup> Annual PractiVet Congress (Moscow, Russia); invited speaker for five lectures (02/2011)
- MERIAL National Conference “Updates in Veterinary Cardiology” (Venice, Italy); invited speaker for two lectures (03/2009)

### **Courses, Continuing Professional Development (CPD) and Seminars**

- **Course:** “UNISVET Executive Master in Small Animal Anaesthesiology for Practitioners” ACVAA and AVA endorsed course for a total of 150 hours, including workshops, practical sessions and theoretical lectures; Milan, Italy); course-chief, scientific director and main speaker/teacher (for a total of 60 hours of lectures/practicum) (11/2015 – 01/2017)
- **CPD:** “Principles of Small Animal Anaesthesia and Perioperative Analgesia” (92 hours course for practitioners organized by Prof. Bernd Driessen; Faculty of Faculty of Veterinary Medicine of the University of Turin, Italy); invited speaker (for a total of 9 hours of theoretical lectures and workshops) (06/2014)
- **Seminar:** “Small Mammals Anaesthesia and Analgesia” (“Anestesia e Analgesia dei Piccoli Mammiferi” (SIVAE, SCIVAC, Rome, Italy); invited speaker for 6 hours of lectures (12/04/2016)
- **Seminar:** “Feline Anaesthesia: What’s New?” (Anestesia del Gatto: Cosa c’è di Nuovo?”) (UNISVET, Verona, Italy); invited speaker (for a total of 8 hours between theoretical lectures and practical workshop) (05/2015)
- **Seminar:** “The debate: Peripheral Nerve Blocks versus Neuroaxial Anaesthesia” (L’eterna Diatriba: Blocco Periferico e Neuroassiale) (SIATAV, SCIVAC, Cremona, Italy); invited speaker for one lecture (12/10/2014)



- **Seminar:** “Small Animal Anaesthesiology” - Seminar for Swiss Practitioners (VIRBAC, Bellinzona, Switzerland); invited speaker (for a total of 7 hours of lectures) (09/2014)
- **Seminar:** “Topics in Anaesthesia” (“Argomenti di Anestesia”) (SIARMUV, SCIVAC, Cremona, Italy); invited speaker for one lecture (24/02/2008)