

SHORT CURRICULUM VITAE



Personal data:

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Date of birth: Oct 17, 1959

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Career milestones:

- 1984: Graduation: Med.vet. Degree, University of Zurich, Switzerland
- 1988: Dr.med.vet. degree, University of Zurich, Switzerland
- 1993: Master of Science, Texas A&M University. Thesis: Myoelectric activity of the cecum and proximal loop of the ascending colon in cows.
- 1994: Diplomate of the "European College of Veterinary Surgeons"
- 1995: Habilitation thesis, University of Berne, Switzerland
- 2000: FVH: Swiss national title: Specialist in bovine diseases (FVH Rinderkrankheiten)
- 2000: Professor for large Animal Surgery, University of Berne
- 2003: Full professor for diseases in ruminants and director of the Clinic for Ruminants, Vetsuisse-Faculty of Berne, Switzerland
- 2005: Diplomate of the "European College of Bovine Health Management"
- 2011-2014: Director of the Department of Clinical Veterinary Sciences, Vetsuisse-Faculty, University of Berne, Switzerland
- Since 2015: Director of the Clinic for Production Animals, Vetsuisse-Faculty, University of Berne, Switzerland

Publications with peer review (2011-2016)

2011:

Rasekh, M., Devaux, D., Becker, J., **Steiner, A.** Surgical fixation of a symphyseal fracture of the mandible in a cow using cerclage wire. *Vet Rec.* 2011 Aug 10

Vesal, N., Spadavecchia, C., **Steiner, A.**, Kirscher, F., Levionnois, OL. Evaluation of the isoflurane-sparing effects of lidocaine infusion during umbilical surgery in calves. *Vet Anaesth Analg*, 2011 Sep;38 (5):451-60

Kirscher, F., Bruckmaier, RM., Spadavecchia, C., Friedli, K., Doherr, MG., Syring, C., **Steiner, A.** Quantitative assessment of physiological and behavioural parameters in healthy dairy cows evoked by transcutaneous electrical nerve stimulation of the udder. *Vet J*, 2011 Jul 4 (e-pub ahead of print).

Boss, R., Naskova, J., **Steiner, A.**, Graber, HU. Mastitis diagnostics: quantitative PCR for *Staphylococcus aureus* genotype B in bulk tank milk. *J Dairy Sci.* 2011 Jan;94(1):128-37

Bertagnoli, A., Räber, M., Morandi, N., Mortellaro, CM., **Steiner, A.** Tenovaginoscopic approach to the common digital flexor tendon sheath of adult cattle: Technique, normal findings and preliminary results in four clinical cases. *Vet J Epub* 2011 Feb 2.

Rudolph, J., Bruckmaier, RM., Kasimanickam, R., **Steiner, A.**, Kirchhofer, M., Hüsler, J., Hirsbrunner, G. Comparison of the effect of a CIDR-Select Synch versus a long-term CIDR based AI protocol on reproductive performance in multiparous dairy cows in Swiss dairy farms. *RB&E* 2011; 9:151.

2012

Härdi-Landerer M. C , Leu M, **Steiner A.**
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Luginbühl A, Bähler C, **Steiner A**, Kaufmann T, Regula G, Ewy A.
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Acute and chronic pain in calves after different methods of rubber-ring castration. *Vet J.* 2012 May 28.

Blaser M, Bertagnoli A, Räber M, Nuss K, Rasekh M, **Steiner A.**
Arthroscopic approaches to the fetlock joint of adult cattle: A cadaver study.
Vet J. 2012 Apr 16.

Bähler C, **Steiner A**, Luginbühl A, Ewy A, Posthaus H, Strabel D, Kaufmann T, Regula G. Risk factors for death and unwanted early slaughter in Swiss veal calves kept at a specific animal welfare standard. *Res Vet Sci.* 2012 Feb;92(1):162-8.

2013:

Kretzschmar, L., van den Borne, B., Kaufmann, T., Strabel, D., Reist, M., Harisberger, M., **Steiner, A.**, Bodmer, M.

Mastitismanagement in Schweizer Milchviehbetrieben mit einem Eutergesundheitsproblem. Schweiz Arch Tierheilk 2013; 155; 453-460.

Blaser, M., **Steiner, A.**, Hirsbrunner, G.

A novel technique for surgical removal of protruded perivaginal fat in cattle
Veterinary Record doi:10.1136/vr.101381

Beuchat, F., Berthold, P., Gerber, L., Bruckmaier, R., **Steiner, A.**, Hüsler, J., Hirsbrunner, G. OJVM 2013;1:6-10. Conception Rate Using the Select-Synch Protocol in Combination with a Lower Dose Progesterone-Releasing Intravaginal Insert (1.38 g) in Swiss Dairy Cows

Becker, J., Reist, M., Friedli, K., Strabel, D., Wüthrich, M., **Steiner, A.** Current attitudes of bovine practitioners, claw-trimmers and farmers in Switzerland to pain and painful interventions in the feet in dairy cattle. Vet J. 2013 Jan 28. doi:pii: S1090-0233(12)00548-5. 10.1016/j.tvjl.2012.12.021. [Epub ahead of print]

Greber, D., Doherr, M., Drögemüller, C., **Steiner, A.** Occurrence of congenital disorders in Swiss sheep. Acta Vet Scand. 2013 Mar 22;55(1):27. [Epub ahead of print]

Räber, R., Kaufmann, T., Regula, G., von Rotz, A., Stoffel, M., Posthaus, H., Rérat, M., Kirchhofer, M., **Steiner, A.**, Bähler, C.

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Steiner, A. Zerstörung der Hornanlage beim Kalb Literaturübersicht – das Schweizer Modell. Tierärztl Umschau 2013; 68: 203-211.

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Alsaad, M., Syring, C., Dietrich, J., Doherr, M., Gujan, T., **Steiner, A.** A field trial of infrared thermography as a non-invasive diagnostic tool for early detection of digital dermatitis in dairy cows. Vet J. 2013 Dec 6. pii: S1090-0233(13)00620-5. doi: 10.1016/j.tvjl.2013.11.028. [Epub ahead of print]

Buck, M., Friedli, K., Steiner, B., Gygax, L., Wechsler, B., **Steiner, A.**, Influence of manure scrapers on dairy cows in cubicle housing systems. Livestock Sci 158 2013:129–137.

2014:

Stäubli A, **Steiner A**, Normand L, Kuhnert P, Frey J. Molecular genetic analysis of Dichelobacter nodosus proteases AprV2/B2, AprV5/B5 and BprV/B in clinical material from European sheep flocks. Vet Microbiol. 2014 Jan 10;168(1):177-84.

Stäuble A, **Steiner A**, Frey J, Kuhnert P. Simultaneous detection and discrimination of virulent and benign *Dichelobacter nodosus* in sheep of footrot affected and in clinically healthy flocks by a competitive real-time PCR. *J Clin Microbiol*. 2014 Jan 22. [Epub ahead of print].

Steiner A, Anderson DE, Desrochers A. Diseases of the Tendons and Tendon Sheaths. *Vet Clin NA Food Anim Pract* 2014; 30: 157-176.

Kofler J, Geissbühler U, **Steiner A**. Diagnostic Imaging in Bovine Orthopedics. *Vet Clin NA Food Anim Pract* 2013. 30; 11-53.

Becker J, **Steiner A**, Kohler S, Koller-Bähler A, Wüthrich M, Reist M. Lameness and foot lesions in Swiss dairy cows: I. Prevalence. *Schweiz Arch Tierheilk* 2014; 156: 71-78. DOI: 10.1024/0036-7281/a000553

Becker J, **Steiner A**, Kohler S, Koller-Bähler A, Wüthrich M, Reist M. Lameness and foot lesions in Swiss dairy cows: II. Risk factors. *Schweiz Arch Tierheilk* 2014; 156: 79-90. DOI: 10.1024/0036-7281/a000554

Becker J, Reist M, **Steiner A**. Factors influencing the attitudes of cattle veterinarians, farmers, and claw trimmers towards the pain associated with the treatment of sole ulcers and the sensitivity to pain of dairy cows. *Vet J*. 2014 Apr;200(1):38-43. DOI: 10.1016/j.tvjl.2014.01.016

Balet L, Janett F, Hüsler J, Piechotta M, Howard R, Amatayakul-Chantler S, **Steiner A**, Hirsbrunner G. Immunization against gonadotropin-releasing hormone in dairy cattle: Antibody titers, ovarian function, hormonal levels, and reversibility. *J Dairy Sci* [Epub ahead of print]; doi: 10.3168/jds.2013-7602.

Kramer AH, Doherr MG, Stoffel MH, **Steiner A**, Spadavecchia C. Ultrasound-guided proximal paravertebral anaesthesia in cattle. *Vet Anaesth Analg*. 2014 Feb 27. DOI: 10.1111/vaa.12148.

Voelk V, Graber HU, van den Borne BH, Sartori C, **Steiner A**, Bodmer M, Haerdi-Landerer MC. A longitudinal study investigating the prevalence of *Staphylococcus aureus* genotype B in seasonally communal dairy herds. *J Dairy Sci*. 2014 May 15. [Epub ahead of print]

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Heiniger D, van den Borne BHP, Lechner I, Tschopp A, Strabel D, **Steiner A**, Meier H. . Kosten-Nutzen-Analyse einer Intervention zur Verbesserung der Eutergesundheit in Schweizer Milchviehbetrieben. *Schweiz Arch Tierheilk* 2014; 156: 473-481.

Bludau, MJ, Maeschli, A, Leiber, F, **Steiner, A**, Klocke, P. Mastitis in dairy heifers: Prevalence and risk factors. [The Veterinary Journal](#). 2014 October 14 DOI: 10.1016/j.tvjl.2014.09.021

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Abb-Schwelder K., Maeschli A., Boss R., Graber HU., **Steiner A**, Klocke P. Feeding mastitis milk to organic dairy calves: effect on health and performance during suckling and on udder health at first calving. *BMC Vet Res.* 2014 Nov 25

2015:

Alsaad, M., Syring, C., Luternauer, M., Doherr, M., **Steiner, A**. (2015): Effect of routine claw-trimming on the claw temperature in dairy cows measured by infrared thermography. *Journal of Dairy Science*. 98:1-8. 2015 Feb 4

Alsaad M., A.L. Schaefer, W. Büscher, **Steiner, A**. (2015): The role of infrared thermography as a non-invasive tool for the detection of lameness in cattle. *Sensors*. 15, 14513-14525

Alsaad, M., Niederhauser, J., Beer, G., Zehner, N., Schuepbach-Regula, G. and **A. Steiner** (2015): Development and validation of a novel pedometer algorithm to quantify extended characteristics of the locomotor behavior of dairy cows. *Journal of Dairy Science*. 98:6236–6242.

Tschopp A., Reist M., Kaufmann T., Bodmer M., Kretschmar L., Heiniger D., Berchtold B., Wohlfender F., Harisberger M., Boss R., Strabel D., Cousin ME., Gra-ber HU., **Steiner A**, van den Borne BH.

A multiarm randomized field trial evaluating strategies for udder health improvement in Swiss dairy herds. *J Dairy Sci.* 2015 Feb;98(2):840-60.

Marlis Aebi, Bart HP van den Borne, Andreas Raemy, **Adrian Steiner**, Paola Pilo and Michèle Bodmer
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2016:

Boss R, **Cosandey A**, Luini M, Artursson K, Bardiau M, Breitenwieser F, Hehenberger E, Lam T, Mansfeld M, Michel A, Mösslacher G, Naskova J, Nelson S, Podpečan O, Raemy A, Ryan E, Salat O, Zangerl P, **Steiner A**, Graber HU. (2016): Bovine *Staphylococcus aureus*: Subtyping, evolution, and zoonotic transfer. J Dairy Sci. 99(1):515-28. doi: 10.3168/jds.2015-9589.

Cosandey A, Boss R, Luini M, Artursson K, Bardiau M, Breitenwieser F, Hehenberger E, Lam T, Mansfeld M, Michel A, Mösslacher G, Naskova J, Nelson S, Podpečan O, **Raemy A**, Ryan E, Salat O, Zangerl P, Steiner A, Graber HU. (2016): *Staphylococcus aureus* genotype B and other genotypes isolated from cow milk in European countries. J Dairy Sci. 99(1):529-40. doi: 10.3168/jds.2015-9587.