

Biographical Sketch

Tilte: Dr.
Surname: Steenkamp
Name: Gerhard
Citizenship: South African

Academic Qualifications

BSc (Zoology and Botany) (University of Pretoria)	1988
BVSc (University of Pretoria)	1994
Dentistry and Maxillofacial Surgery Certificate (European School for Advanced Veterinary Studies)	1998
MSc (University of Pretoria)	2008

Membership in National and International bodies

- South African Veterinary Council (SAVC), 1994-present. Full member
- Royal College of Veterinary Surgeons (RCVS), 1995 – 1997. Full member
 - 1998 – present. Overseas member
- South African Veterinary Association (SAVA), 1989 – present. Full member
- (2003-2005 Vice President, 2005-2007 President, 2007-2008 Past President)
- American Veterinary Dental Society (AVDS), 1998 – present. Full member
- Namibian Veterinary Council (NVC). 2006 – present. Full member
- Cycad Society of South Africa, 2004 – present. Full member
- Pan African Association of Zoos, Aquaria and Botanical Gardens, 2010 - . Individual member

Work Experience to Date

- 06/1994 – 12/1994 Mixed Veterinary Practice Pretoria, South Africa
- 01/1995 – 04/1996 Small Animal Practice Manchester, United Kingdom
- 05/1996 – 12/1997 Small Animal Practice Rochester, United Kingdom
- 01/1998 – 03/2006 Contract lecturing appointment University of Pretoria, Pretoria, South Africa
- 04/2007 – present Senior Lecturer University of Pretoria, Pretoria, South Africa

- 01/1998 – present Veterinary Dentistry and Maxillofacial Surgery Referral Practice
Pretoria, South Africa

Teaching

- Teaching Veterinary Dentistry (incl. Equine Dentistry), Maxillofacial Surgery and Surgical Oncology to undergraduate veterinary students.
- Teaching Veterinary Dentistry to undergraduate veterinary nursing students
- Teaching Veterinary Dentistry (incl. Equine Dentistry) to post graduate Medicine, Surgery and Diagnostic Imaging students.
- I have conducted, or have been part of, more than 30 Continuing Professional Development courses since 1997. These were in the United Kingdom, Namibia and mainly South Africa.

Lectures presented at National Conferences

1. Steenkamp G. How to detect dental disease in your patients. Proceedings of the Biennial SAVA Congress, Cape Town. 1996.
2. Steenkamp G. Periodontology. Proceedings of the Biennial SAVA Congress, Cape Town. 1996.
3. Steenkamp G. To extract or not to extract? Proceedings of the Biennial SAVA Congress, Cape Town. 1996.
4. Steenkamp G. An overview of dental equipment for the veterinarian. Proceedings of the Biennial SAVA Congress, Cape Town. 1996.
5. Steenkamp G. How the mouths of dogs and cats differ. Proceedings of the Biennial SAVA Congress, Johannesburg. 1998.
6. Steenkamp G. Oral trauma in the cat. Proceedings of the Biennial SAVA Congress, Johannesburg. 1998.
7. Steenkamp G. Dentistry of non-domesticated animals. Proceedings of PAZAAB, Pretoria. 2000.
8. Steenkamp G. Mandibular fracture repair in dogs and cats – A review. Proceedings of the Biennial SAVA Congress, Durban. 2000.
9. Steenkamp G. Dentistry of non-domesticated animals. Proceedings of the Student Symposium on the utilisation of wild life, Pretoria, 2002
10. Steenkamp G. Oral hygiene in dogs and cats. Proceedings of the Biennial SAVA Congress, Johannesburg. 2002.

11. Steenkamp G. Post-operative care of the oromaxillofacial patient. Proceedings of the Biennial SAVA Congress, Johannesburg. 2002.
12. Boy SC, Steenkamp G, Bester MN. Innervation of the tusk pulp of the African elephant (*Loxodonta africana*). Faculty Day, Faculty of Veterinary Science, University of Pretoria. September. 2003.
13. Steenkamp G. Veterinary Dentistry: When to say no! Continuing education course for general practitioners and specialists, Welkom, South Africa. 2004.
14. Steenkamp G (2004) Dental and oral disorders of cheetahs. Proceedings of the Biennial SAVA Congress, Cape Town. 2004.
15. Steenkamp G. Dental and oral disorders of elephants. Proceedings of the Biennial SAVA Congress, Cape Town. 2004.
16. Steenkamp G & Boy SC. Biopsies and diagnosis of oral tumours. Proceedings of the Biennial SAVA Congress, Durban. 2006.
17. Steenkamp G, Ferreira SM & Bester MN. Tusklessness and tusk fractures in free-ranging African savanna elephants (*Loxodonta africana*). Proceedings of the Biennial SAVA Congress, Durban. 2006.
18. Balkwill L, Gouse D, Els S, Barnard S, Sigudla P, Wethmar A, Smith H, de Mûelenaere I, Steenkamp G & Zambeli A. Cats and Dogs: An interesting category of radiation therapy. XXIIIth SASMO/SASCRO Conference, Champagne Castle, Drakensberg, South Africa. April. 2007.

Lectures presented at International Conferences

1. Steenkamp G. A preliminary Investigation into the oral and dental status of the African Wild Dog (*Lycaon pictus*). Proceedings of the 11th Annual Veterinary Dental Forum. Denver, CO. 1997.
2. Steenkamp G. Tight lip syndrome in 2 unrelated Bullterrier pups. Proceedings of the 6th World Veterinary Dentistry Congress, Hobart, Australia. 1999.
3. Steenkamp G. & Hornsveld M. Elephant Tusks – Clinical anatomy/embryology and treatment options - A literature review. Proceedings of the 6th World Veterinary Dentistry Congress, Hobart, Australia. 1999.
4. Steenkamp G, Buss P, Crossley D & Venter L. Apicoectomy treatment on a Canadian beaver (*Castor canadensis*). Proceedings of the AAZV Dentistry congress, Milwaukee, USA. October. 2002.

5. Steenkamp G. Oral inflammatory disease in cats. Iams Feline Symposium, Livingstone, Zambia. 2003.
6. Steenkamp G. Feline odontoclastic resorptive lesions revisited. Iams Feline Symposium, Livingstone, Zambia. 2003.
7. Steenkamp G. & Boy SC. Oral leiomyosarcomas in dogs. 8th World Veterinary Dental Congress, Kyoto, Japan. 2003.
8. Boy SC, Steenkamp G. Innervation of the tusk pulp of the African elephant (*Loxodonta Africana*). 8th World Veterinary Dental Congress. Kyoto, Japan. 2003.
9. Kafka UCM, Carstens A, Steenkamp G & Symington H. Diagnostic value of magnetic resonance imaging and computed tomography for oral masses in dogs. 13th International Radiology Association Congress, Midrand, South Africa. 2003.
10. Spotswood TC, Kirberger RM, Steenkamp G & Van Zyl M. (2003) Intraparyngeal narrowing in six smooth-haired Dachshunds. 13th International Radiology Association Congress, Midrand, South Africa. 2003.
11. Tutt C & Steenkamp G. Dental disorders of cheetahs. European veterinary dental congress, Krakow, Poland. 2004.
12. Steenkamp G, Boy SC. Dental and Oral health in captive cheetahs in southern Africa. 23rd Veterinary Dental Forum, Phoenix, Arizona. 2009
13. Boy SC, Steenkamp G. Oral tumours of dogs in South Africa. 23rd Veterinary Dental Forum, Phoenix, Arizona. 2009
14. Steenkamp G, Mahommed N, Visser MF & Boy SC. The oral pathology of 48 captive chimpanzees (*Pan troglodytes*). 23rd Veterinary Dental Forum, Phoenix, Arizona, USA. 2009

Research Topics

Oral and Dental pathology of African Wildlife

Oral Oncology of Domestic Animals and African Wildlife

Maxillofacial Trauma in Pets

List of Peer Reviewed Articles

(The links to/or PDFs of these are available on this Website under the 'Veterinary Interest' heading)

- 1 Olivier A, Steenkamp G, Petrick SW, Gottschalk RD. Parotid duct laceration repair in two horses. **Journal of the South African Veterinary Association.** 69(3): 108-11. 1998.

- 2 Steenkamp G, Crossley DA. Incisor tooth regrowth in a rabbit following complete extraction. **Veterinary Record**, 145(20): 585-6. 1999.
- 3 Steenkamp G, Gorrel C. Oral and dental conditions in adult African wild dog skulls: a preliminary report. **Journal of Veterinary Dentistry**, 16(2): 65-8. 1999.
- 4 Steenkamp G. Oral biology and disorders of tusked mammals. **Veterinary Clinics of North America: Exotic Animal Practice**. 6(3): 689-725. 2003.
- 5 Boy SC, Steenkamp G. Neural innervation of the tusk pulp of the African elephant (*Loxodonta africana*). **Veterinary Record**, 154 (12): 372-374. 2004.
- 6 Kafka UC, Carstens A, Steenkamp G, Symington H. Diagnostic value of magnetic resonance imaging and computed tomography for oral masses in dogs. **Journal of the South African Veterinary Association**. 75(4): 163-8. 2004.
- 7 Boy SC, van Heerden WFP, Steenkamp G. Primary intra-oral leiomyosarcomas in dogs – A clinico-pathological study. **Veterinary Record**, 156 (16): 510-513. 2005.
- 8 Steenkamp G, Olivier-Carstens A, Van Heerden WFP, Crossley DA, Boy SC. In vitro comparison of three materials as apical sealants of equine premolar and molar teeth. **Equine Veterinary Journal**, 37 (2): 133-136. 2005.
- 9 Kirberger RM, Steenkamp G, Spotswood TC, Miller D, Van Zyl M, Boy SC. Stenotic nasopharyngeal dysgenesis in the Dachshund - Seven cases (2002-2004). **Journal of the American Animal Hospital Association**, 42: 290-297. 2006.
- 10 Boy SC & Steenkamp G. Odontoma-like tumours of squirrel's elodont-incisors – Elodontomas. **Journal of Comparative Pathology**, 135: 56-61. 2006.
- 11 Meyers B, Boy SC, Steenkamp G. Diagnosis and management of odontogenic myxomas in canines – Report of a case and review of the literature. **Journal of Veterinary Dentistry**, 24: 166-171. 2007.
- 12 Robb L, Marx J, Steenkamp G, Van Heerden WFP, Pretorius E, Boy SC. Scanning electron microscopic study of the dentinal tubules in dog canine teeth. **Journal of Veterinary Dentistry**, 24: 86-89. 2007
- 13 Steenkamp G, Ferreira SM, Bester MN. Tusklessness and tusk fractures in free-ranging African savanna elephants (*Loxodonta africana*). **Journal of the South African Veterinary Association**. 78(2): 75-80. 2007.
- 14 Steenkamp G, WH Ferguson, SC Boy, SM Ferreira, MN Bester. Tusk measurements to determine exposed pulp lengths in African elephants (*Loxodonta africana*). **Journal of the South African Veterinary Association**. 79(1): 25-30 2008.
- 15 Steenkamp G, Venter L, Crossley DA, Buss P. Apicoectomy in a Canadian beaver (*Castor canadensis*). **Journal of Veterinary Dentistry**, 2008. In Press

- 16 Nel S, Steenkamp G, van Heerden MB, van Heerden WFP, Boy SC.
Immunohistochemical profile of odontogenic epithelium in developing dog teeth (*Canis familiaris*) *In Press, Journal of Veterinary Pathology*, 2010

List of contributions to books

1. Steenkamp G. Chapter 14 - Skull-teeth. In: Barr F, Kirberger R (ed.), *BSAVA Manual of Canine and Feline Musculoskeletal Radiology*, British Small Animal Veterinary Association, Cheltenham, p: 206-219. 2006
2. Oberem P. Diersiektes in Suid Afrika: Perde, donkies en muile. Briza Publikasies, Pretoria, 2007. (Also available in English) Acknowledged for contributing 16 clinical photos.
3. Oberem P. Diersiektes in Suid Afrika: Honde en katte. Briza Publikasies, Pretoria, 2008. (Also available in English) Acknowledged for contributing clinical photos.

Non refereed articles or popular articles

1. Steenkamp G. Veterinary Dentistry: Fact, fallacy or opportunity. *Vetmed* 11(1): 27 – 28.1998.
2. Steenkamp G. Aspect of pedodontics in dogs and cats. *Vetmed* 11(2): 27 – 28. 1998.
3. Steenkamp G. Oral pharmacology Part I: Antibiotics and analgesics. *Vetmed* 11(3): 27 – 28. 1998.
4. Steenkamp G. Oral pharmacology Part II: Homecare products. *Vetmed* 11(4): 24- 25. 1998.
5. Steenkamp G. Oral pharmacology Part III: Antiseptics. *Vetmed* 11(5): 34 – 35. 1998.
6. Steenkamp G & Fyvie G. Why do more dentals? *Vetmed* 15(4): 25 – 26. 2002.
7. Steenkamp G. The “Rotten” truth *VETPET* Winter: 23. 2004.
8. Steenkamp G. Animal dentistry. *All about Cats* 29: 14 – 16. 2006.
9. Steenkamp G. & Boy SC. Clinical dental column, published monthly in the *Vetnews*, a publication of the South African Veterinary Association. Jan 2005 – present.
10. Steenkamp G. Craniomandibular osteopathy in dogs: A Review with additional clinical comments. *Vetnews* December 2008

Awards/Grants/Prizes

1. Receive the South African Veterinary Association (SAVA) young Veterinarian of the year award for my contribution to Veterinary Dentistry in South Africa. 2002.
2. Winner. Poster presentation at Faculty day of the Faculty of Veterinary Science, Onderstepoort, for the poster: Boy SC, Steenkamp G, Bester MN. Innervation of the tusk pulp of the African elephant (*Loxodonta africana*). Faculty of Veterinary Science, University of Pretoria. September. 2003.
3. Received a merit award for an outstanding publication, at the 2007 gala dinner of the Faculty of Medical Sciences, for the International scientific article: “Boy SC, Steenkamp G. Odontoma-like tumours of squirrel’s elodont-incisors – Elodontomas. **Journal of Comparative Pathology**, 135: 56-61. 2007.
4. Received the 4th Working grant from the Peter Emily International Veterinary Dental Foundation (10 000.00USD) for the clinical work and research performed on cheetahs at the de Wildt Cheetah research centre and the Africat Foundation (Namibia)
5. Received the Clinical prize of the SAVA, for my pioneering contribution in the field of Veterinary Dentistry and Maxillofacial surgery in South Africa, 2009.