



**Sonja C Boy**

**BChD, MChD (Oral Path), PhD,**

**FC Path(SA) (Oral Path)**

**Current appointment:**

Diagnostic Head and Neck Pathologist

**Institution/ University where currently appointed:**

Lancet Laboratories, South Africa

**Areas of special interests:**

Hematolymphoid pathology in the context of HIV, Comparative Biology and Pathology

Sonja Boy is Professor in Oral and Maxillofacial Pathology with more than 15 years' experience in Oral Biology, general as well as Oral and Maxillofacial Pathology education. She qualified as Specialist Oral Pathologist in 2001 and obtained her PhD in 2010. She was employed by the University of Pretoria for 17 years after which she transferred to the Sefako Makgatho Health Sciences University (SMU) as Head of Department Oral Pathology until February 2018 when she took up a diagnostic head and neck pathologist position at Lancet Laboratories in South Africa. She has been Secretary of the International Association of Oral Pathologists (IAOP) since 2012, is an Associate Editor for one of the International Frontiers journals, "Veterinary Dentistry and Oromaxillofacial Surgery" and an editorial board member for international journals including Head and Neck Pathology. She is a member of several national and international professional associations and working groups. She authored or co-authored more than 45 peer reviewed publications in scientific journals, several book chapters on oral pathology in

paediatric and oral medicine textbooks and the new WHO Classification of Head and Neck Tumours, 4<sup>th</sup> Edition. She was a contributor to the International Collaboration on Cancer Reporting (ICCR) initiative for the harmonisation of cancer reporting protocols, specifically in the development of a dataset for the reporting of carcinomas of the oral cavity.

### **Recent/ significant publications**

1. Richter K, Janse van Rensburg E, van Heerden W, Boy SC. Human Papilloma Virus strains in the oral and cervical mucosa of HIV positive South African women prior to antiretroviral therapy. **Journal of Oral Pathology and Medicine**, 37 (9): 555-559, 2008.
2. Boy SC, van Heerden MB, Cockeran R, Wolfaardt M, Gema E, van Heerden WFP. An investigation of the role of oral epithelial and Langerhans cells as possible HIV viral reservoirs. **Journal of Oral Pathology and Medicine**, 38 (1): 114-119, 2009.
3. Nel S, Steenkamp G, van Heerden MB, van Heerden WF, Boy SC. Immunohistochemical expression of calretinin in odontogenic tissue of the domestic dog (*Canis familiaris*). **Veterinary Pathology**, 48 (1): 276-82, 2010.
4. Boy SC, van Heerden MB, Raubenheimer E, van Heerden WFP. Plasmablastic lymphomas with light chain restriction – Plasmablastic extramedullary plasmacytomas? **Journal of Oral Pathology and Medicine**, 39 (5): 435-9, 2010.
5. Boy SC, van Heerden MB, Babb C, van Heerden WFP, Willem P. Dominant genetic aberrations and coexistent EBV infection in HIV-related oral plasmablastic lymphomas. **Oral Oncology** 47: 883-887, 2011.
6. M.A. Delaney, K. Singh, C.L. Murphy, A. Solomon, S. Nel, and S.C. Boy. Immunohistochemical and Biochemical Characterization of Amyloid-Producing Odontogenic Tumors (APOT) in Three Cats Suggest Ameloblastic Origin. **Veterinary Pathology** 50(2): 238-42, 2013.
7. Boy SC, van Heerden MB, Pool R, Willem P, Slavik T. Plasmablastic lymphomas versus diffuse large B-cell lymphoma with plasmablastic differentiation: proposal for a diagnostic scoring system. **Journal of Hematopathology**, 8 (1), p3-11, 2015.
8. Boy SC, Raubenheimer EJ, Marais J, Steenkamp G. White Rhinoceros (*Ceratotherium simum*) horn development and structure – a deceptive optical illusion. **Journal of Zoology** 296 (3) p161-166, 2015
9. Steenkamp G, Boy SC, van Staden PJ Bester M. How the cheetahs' specialised palate accommodates its abnormally large teeth. Available online **Journal of Zoology** 13 December 2016 DOI: 10.1111/jzo.12422
10. Wolmarans E, Boy S, Nel S, Mercier A, Pepper M. Cancer stem cells in head and neck carcinomas: identification and possible therapeutic implications. **Advances in Experimental Medicine and Biology**. Nov 15. doi: 10.1007/5584\_2017\_116. [Epub ahead of print] 2017
11. Steenkamp G, Boy SC, van Staden PJ Bester M. The Oral, Maxillofacial and dental diseases uncovered in 256 captive cheetahs – a decade of cheetah dentistry. **Journal of Comparative Pathology**, 158 p77-89, 2018
12. Muller S, Boy SC, Day T, Magliocca K, Richardson MS, Sloan P, Tilakaratne W, Zain R, Thompson L. Dataset for the Reporting of Oral Cavity Carcinomas: Recommendations From the International Collaboration of Cancer Reporting (ICCR) **Arch Pathol Lab Med**, in press 2018