

# ORAL PATHOLOGY

	SUBJECT	INFORMATION
1	<b>ABOUT the Unit Oral Pathology in the School of Oral Health Sciences</b>	<p style="text-align: center;"><b>Core Business – Unit Pathology</b></p> <p>The <b>core business</b> of the Unit is to provide a <b>sophisticated diagnostic histopathology service</b> to patients consulting our health care facility and those with head and neck diseases presenting to surgical departments in the Dr George Mukhari Tertiary Academic Hospital and community clinics in Gauteng and the Limpopo Province.</p> <p><b>In addition, the Unit provides the following services to the Province and the country:</b></p> <ul style="list-style-type: none"> <li>• Microbiology based hospital infection control</li> <li>• Dental caries susceptibility tests</li> <li>• We are the only laboratory in the country which has the technology and expertise to perform static- and dynamic histomorphometry in the diagnosis of endemic metabolic diseases affecting the skeleton</li> <li>• Forensic Odontology services for the northern sector of South Africa</li> <li>• Specialised veterinary service for head and neck pathology</li> </ul> <p><b>The above service rendering activities are exploited for:</b></p> <ul style="list-style-type: none"> <li>• Training of under- and post graduate students</li> <li>• The extensive research programme which produces quality papers for international scientific journals</li> </ul>
2	<b>STAFF PROFILE (NAME, TITLE, CONTACT AND SHORT CV)</b>	<p><b>Prof E J Raubenheimer</b> (MChD, PhD, DSc): Contact: +27 12 521 4838/ 0829082788 email: ejraub@fox5.co.za</p> <p>Key note speaker at 7 international congresses, 97 presentations at national and international scientific meetings and 132 refereed publications in the scientific literature.</p> <p>Research field of interest: Bone metabolism and metabolic diseases of bone</p> <p><b>Prof SC Boy</b> (MChD, PhD, FCPATH(SA) (Oral Path): Contact: +27 12 521 4869/ 082 6543 256</p> <p>Secretary of the International Association of Oral Pathologists (IAOP), Associate Editor for the International journal: <i>Veterinary Dentistry and Oromaxillofacial Surgery</i>, <i>Frontiers in Veterinary Science</i>; Editorial board member for the international journals: <i>Head and Neck Pathology</i> and <i>Applied Cancer Research</i>. Authored or co-authored 41 refereed articles and abstracts in scientific journals, 2 book chapters on oral pathology in a paediatric textbook and other educational material on oral pathology. Main research fields of interest are HIV-associated lymphomas and comparative head and neck biology and pathology. In line with her research field she was invited to author and co-author chapters in the new 4th edition World Health Organisation (WHO) Classification of Head and Neck Tumours, and also serves as member of an international nomenclature committee for Head and neck tumours in domestic and</p>

		<p>wild animals. She is an invited member of the Research Committees of the SMU Dental School as well as of that of the African Research Foundation, Okonjima, Namibia. She has presented 39 papers at 10 national and 21 International conferences.</p> <p><b>Dr MMJ Masilela (BDS,Dip PG Dent (Oral Pathology), MDent (Oral Pathology)</b>  Eight (8) publications of which 3 are original research articles  Research field of interest: Salivary gland pathology</p> <p><b>Dr SR Mthethwa (MPH, PhD): Contact: +27 12 521 5888/ 0767481888</b>  Two publications and 9 poster presentations at national and international conferences. Has examined 2 masters degrees research projects. His research interests are wide and varied. <u>Current research activities include:</u>  Abstracts preparation for poster presentations at a national conference in September – 4 abstracts  Supervising postgraduate research - 1 BSc Hons; 2 MSc, 1 PhD  Preparing manuscripts for journal publication – 2 manuscripts  Registered research projects - 6 projects  Articles in press – 1 article</p> <p><b>Ms E Sekati (Dip Med Tech, BTech, BSc (Hon), MSc): Contact:+27 12 521 5716/ 0824422885</b>  4 presentation at national scientific meetings and 1 publication  Research field of interest: Infection prevention and control</p>
3	<b>ACADEMIC PROGRAMMES: UNDER-GRADUATES AND POST-GRADUATES(DEGREE PROGRAMME,DURATION,ADMISSION REQUIREMENTS,POSSIBLE CAREER</b>	<p><b>Undergraduate:</b>  Oral Pathology for BDS, BDent Ther and BOH  Anatomical and Chemical Pathology for BDSIII</p> <p><b>Post Graduate:</b>  MDent (Oral Path): Specialist degree in Oral and Maxillofacial Pathology  Oral Pathology as an ancillary subject for MDS and clinical MDent degrees</p>

	<b>OPPORTUNITIES</b>	
4	<b>SUPPORT STAFF (PREFERABLY ADMINISTRATION STAFF)</b>	<p><b>Secretary:</b> Mrs CS Begemann  Contact: +27 12 521 4838; fax =27 12 521 4274; email: <a href="mailto:colleen.begeman@smu.ac.za">colleen.begeman@smu.ac.za</a></p> <p><b>Medical Technologists:</b> Mr A Baloyi and Mrs R Vorster  Contact: +27 12 5212 4902  Email: orallab@smu.ac.za</p>
5	<b>STUDENT CLINICAL TRAINING's TIME TABLE</b>	Weekly lectures and practical sessions according to academic rosters
6	<b>ALUMNI (FORMER BEST STUDENT)</b>	
7	<b>PROFESSIONAL BODIES THAT THE DEPARTMENT IS REGISTERED WITH</b>	<ol style="list-style-type: none"> <li>1. HPCSA</li> <li>2. IAOP</li> <li>3. S A Division of the IAP</li> <li>4. European Society of Pathology</li> </ol>
8	<b>LATEST RESEARCH OUTPUT</b>	<p>Invited opinion paper: Fibro-osseous disease: harmonizing terminology with biology. Noffke CEE, Raubenheimer EJ, MacDonald D. <b>Oral Surg Oral Med Oral Pathol Oral Radiol</b> 2012;114:388-92.</p> <p>SC Boy. Leukoplakia and erythroplakia of the oral mucosa – a brief overview. <b>S A Dent J</b> 67 (10): 558-560, 2012.</p> <p>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. <b>Vet Pathol</b> 50(2): 238-42, 2013.</p> <p>Boy SC, Willem P. HIV-Related plasmablastic lymphoma of the head and neck: Proposal for a diagnostic algorithm. <b>Virchows Arc</b> 463:137, 2013.</p> <p>Chronic kidney disease and the skeleton: Pathogenesis, complications and principles of management. Thibedi D, Raubenheimer EJ, Noffke CEE. <b>SA Orthop J</b> 2014;13:29-33.</p> <p>Review Article: Chronic kidney disease – mineral bone disorder: an update on the pathology and craniofacial manifestations. Raubenheimer EJ, Noffke CEE, Hendrik HD. <b>J Oral Pathol Med</b> 2014. Doi:10.1111/op12176.</p>

Expansive jaw lesions in chronic kidney disease: review of the literature and report of two cases. Raubenheimer EJ, Noffke CEE, Mohamed A. **Oral Surg Oral Med Oral Pathol Oral Radiol** 2015;119:340-45.

Invited paper: Recent developments in metabolic bone disease: A gnathic perspective. Raubenheimer EJ, Noffke CEE, Hendrik HD. **Head and Neck Pathol** 2014;8:475-81.

A Sivagurunathan, SC. Boy and G Steenkamp. Ventral orbit stabilization using a masseter muscle flap in the dog. **Vet Ophthalmol**, Vet Ophthalmol. 2014 Jan;17(1):67-72, 2014

Davidson C, Richter K, van der Linde M, Boy S. Prevalence of oral and oropharyngeal human papillomavirus (HPV) in a sample of selected South African males: a pilot study. **S A Med J**;104(5):358-361, 2014

Chapter 37: Oral and Dental Disorders, author: Prof SC Boy. In: **Pediatrics & Child Health**, 7<sup>TH</sup> Edition, 2014

Part I: Cell signalling and bone remodelling: the skeleton as an endocrine organ. Raubenhimer EJ, Hendrik HD. **S A Orthopaedic J** 2015; in print.

Part II: Cell signalling and bone remodelling: developments in the pathogenesis and principles of management of selected skeletal disease states. Raubenheimer EJ, Noffke CEE. **S A Orthopaedic J** 2015; in print.

White rhinoceros *Ceratotherium simum* horn development and structure: deceptive optical illusion. Boy SC, Raubenheimer EJ, Marais J, Steenkamp G. **J Zool doi:10.1111/jzo.12229**, March 2015

A 16 year retrospective analysis of intraoral minor salivary gland pleomorphic adenoma in an African population. Masilela MMJ. **S A Dent J**;70:22-4.

Laparoscopic removal of a large abdominal foreign body granuloma using single incision laparoscopic surgery (SILS) and extraction bag in a cheetah (*Acinonyx jubatus*). Hartman MJ, Kirberger RM, Tordiffe ASW, Boy S, Schoeman P. **Vet Rec Case Rep** 2015; doi:10.1136/vetreccr-2014-000162

Plasmablastic lymphoma versus diffuse large B cell lymphoma with plasmablastic differentiation: proposal for a novel diagnostic scoring system. Boy SJ. Van Heerden M, Pool R, Willem P, Slavik T. **J Hematopathol** 2015; doi: 10.1007/s12308-014-0227-y

Nel S, Boy SC, Hendrik H, Raubenheimer EJ. Recent Perspectives vis-à-vis the biological basis of tooth eruption. In print: **S A Dent J**, 2015.

Chapter Editor: 2015 **World Health Organization Classification of Head and Neck Tumours**, 4<sup>th</sup> ed: Giant cell lesions.

		<p>E Raubenheimer</p> <p>Chapter Editor: 2015 <b>World Health Organization Classification of Head and Neck Tumours</b>, 4<sup>th</sup> ed: Giant cell tumours. E Raubenheimer</p> <p>Chapter Editor: 2015 <b>World Health Organization Classification of Head and Neck Tumours</b>, 4<sup>th</sup> ed: Simple bone cyst. E Raubenheimer</p> <p>Chapter Editor: 2015 <b>World Health Organization Classification of Head and Neck Tumours</b>, 4<sup>th</sup> ed: Plasmablastic lymphoma. SC Boy</p>
9	<b>CAREER OPPOTUNITIES</b>	All posts are frozen pending the establishment of a staff structure for SMU.