

List of on-going research projects related to the Prevention & Control of Cancers

1. Institute: Centre for Research in Oral Cancer, Faculty of Dental Sciences, University of Peradeniya

Title of the research project	Name of Principal Investigator	Contact email	Comment
Tobacco and areca nut usage habits and effects of it in the addiction behavior and Oral health condition, in a group of drug abusers in Sri Lanka.	Dr. Samantha Kithalawaarachchi	sakukidentalhospital@gmail.com	
Natural history of oral leukoplakia and oral submucous fibrosis: A prospective 5-year follow-up study.	Prof. Primali Jayasooriya	primalij@yahoo.com	
Oral health of a group of patients with chronic obstructive pulmonary disease.	Dr. Sumali Sumithrarachchi	sumalis94@gmail.com	
Prevalence of oral mucosal lesions and their relationship with the habits among tobacco and areca nut users attending University Dental Hospital, Peradeniya.	Dr. Fazly Rummy	fazly.asm@gmail.com	
Effectiveness of printed materials along with brief intervention in comparison to brief intervention alone for tobacco cessation.	Dr. Sumali Sumithrarachchi	sumalis94@gmail.com	
Efficacy of bupropion in the pharmacological management of betel quid addiction.	Dr. Sumali Sumithrarachchi	sumalis94@gmail.com	MPhil project
Happy village concept: Determine the smokeless tobacco and areca-nut use and awareness of its adverse effects in the North Western province.	Dr. Samantha Kithalawaarachchi	sakukidentalhospital@gmail.com	

GIScience and Oral Cancer; Implementing a geocoding system for OPMD and oral cancer registries, Dental Hospital Peradeniya	Prof. R.D. Jayasinghe	ruwanduminda@yahoo.com	
Overall survival rate of oral cancer patients following surgical management- Data from the University Dental hospital, Peradeniya, Sri Lanka	Dr. I.A. Athukorala	lsuruakalanka94@gmail.com	
Survey on patterns of betel quid and arecanut consumption among Sri Lankans	Prof. R.D. Jayasinghe	ruwanduminda@yahoo.com	
A case control study on evaluation of arecoline, arecaidine, guvacine and guvacoline levels in saliva and urine in patients with and without oral submucous fibrosis and oral leukoplakia	Prof. R.D. Jayasinghe	ruwanduminda@yahoo.com	
Study on validity of Toluidine Blue test as a diagnostic tool for early detection of oral cancer in primary dental health care setting	Prof. R.D. Jayasinghe	ruwanduminda@yahoo.com	
Investigating the In Vitro Anti-cancer Potency of Osbeckia octandra L. (Heen bovitiya) on Oral Carcinoma Cells with Prognostic Genetic Markers	Dr. Suranga kodithuwakku	surangap@agri.pdn.ac.lk	
Investigating the In Vitro Anti-cancer Potency of Manihot esculenta (Cassava) leaves, Annona muricata seeds, Osbeckia octandra leaves on Oral Carcinoma Cells	Dr. Rasika Illeperuma	rpilleperuma@yahoo.com	
A socio-cultural intervention through religious leaders to reduce the habits of smokeless tobacco and areca nut use among Sri Lankans	Dr Kalni Hettiarrachchi	Kalaniz20024@yahoo.com	

Fourier transform infrared (FTIR) spectroscopy and, metabolomic screening with gene expression profiling of body fluids for early detection of Oral squamous cell carcinoma (OSCC).	Ms Kalpani Senavirathne		MPhil project
Anticancer and Antifibrogenic Properties of Osbeckia octandra on Areca Nut Induced Oral Diseases	Mr. R.G.G.R. Pradeep		PhD Project
Validity of Toluidine Blue test as a diagnostic tool for early detection of high risk oral potentially malignant disorders and oral cancer in primary dental health care setting	Prof. R.D. Jayasinghe	ruwanduminda@yahoo.com	
Association of Human Papilloma Virus (HPV) in Oral Pre-Cancer and Oral Cancer And The Relationship With P16 Gene Expression	A.K.Baddevithana		MPhil project
Shumacheria castaneifolia counteract the areca nut induced DNA double strand breaks in oral keratinocytes	W.M.K. M. Bandara		PhD Project
Development of a novel risk model for oral squamous cell carcinoma	Prof WM Tilakaratne	wmtlak@pdn.aa.lk	PhD Project (Collaborative project with a Malaysian Student, Dr. A Ramanathan)
Demographic analysis and distribution of odontoma. A retrospective study	(Ms. Ayodhya Chamindani) Prof BSMS Siriwardena		Undergraduate student project (Nursing)
Betel Chewing Habits and dietary intake of diagnosed oral sub mucous fibrosis patients at Dental Hospital Peradeniya	(G.M.M.Bandara) Prof RD Jayasinghe	ruwanduminda@yahoo.com	Undergraduate student project
Exploratory Cross-sectional Research of Oral Hypofunction for the Postoperative Oral Cancer Patients	Prof RD Jayasinghe	ruwanduminda@yahoo.com	

Oral Potentially Malignant Disorders Microbiome (OPMDM) Consortium	Prof RD Jayasinghe	ruwanduminda@yahoo.com	
Evaluation of community based high risk approach for early detection of oral cancer and access to care in Sri Lanka	Prof RD Jayasinghe	ruwanduminda@yahoo.com	
Identification of high-risk oral lesions using an AI approach	Prof RD Jayasinghe	ruwanduminda@yahoo.com	

2. Institute: Centre for Cancer Research, University of Sri Jayawardenapura

Title of the research project	Name of Principal Investigator	Contact email	Comment
Fourier transform infrared (FTIR) imaging, metabolomic screening and gene expression profiling of saliva for early detection of Oral squamous cell carcinoma (OSCC).	Prof. B. Seneviratne, Dept. of Pathology Prof. Unil Perera, Department of Physics & Astronomy, Georgia State University, Atlanta, USA		
Pain, its associated factors, needs and concerns among Sinhala speaking cancer patients with pain attending Apeksha Hospital, Maharagama, Sri Lanka	Prof. Sampatha Gunawardane Dept. of Community of Medicine		
Predictability of malignancy in suspicious thyroid nodules using immunohistochemistry and molecular markers in cytology specimens	Prof. Aloka Pathirana, Prof. Bawantha Gamage, Prof. S.S.N. Fernando, Prof. Bimalka Seneviratne, Dr. Apsara Epa		
Prevalence of prostate carcinoma in cadaveric prostates in a tertiary care centre in Sri Lanka	Dr. Isha Prematillake, Dept. of Pathology		

Study of gut colonization of Carbapenemase producing organisms among patients with haematological malignancies in National Cancer Institute, Sri Lanka	Dr. Thushari Dissanayake, Dept. of Microbiology		
Expression of vascular endothelial Growth Factors (VEGF) A and study of etiological factors in oral cancer patients attending the National Cancer Institute, Maharagama- Sri Lanka	Dr. Manjula Weerasekara, Dept. of Micbiology		
Hepatoprotective Activity of Link Livecare in Carbon Tetrachloride and D-Galactosamine induced Hepatotoxicity in ICR Mice.	Karunarathna AmilaUreshini, Chandrika Udumalage, Padumadasa Chayanika, Seneviratne Bimalka, Abeysekara Ajit Mahendra		
Use of novel biomarkers for early detection of gastric cancer	Dr. T.D.C.P. Gunasekara, B. Seneviratne, MM Weerasekara, SSN Fernando		
Role of HBME -1 and Cytokeratin 19 in the histological diagnostic approach of papillary carcinoma of thyroid	Prof. B. Seneviratne, Subodha Jayathilake Dept. of Pathology		
Evaluation of colorectal cancer genes in a Sri Lankan population - PhD	Dr. Isha Prematillake Prof. Bawantha Gamage		

3. Institute: Other

Title of the research project	Name of Principal Investigator	Contact email	Comment
“Perceptions of quality of life and satisfaction on care received among hospitalized head and neck cancer patients on tube feeding and nurses’ current knowledge, practices and associated factors on enteral nutrition therapy for the patients on tube feeding at Apeksha Hospital, Sri Lanka”	Ms. Piumi Weerawardena Dept. of Nursing and Midwifery Faculty of Allied Health Sciences General Sir John Kotelawala Defence University	piyumiw@kdu.ac.lk piyumiweerawardena@gmail.com	
“Palliative care needs and associated factors among Colombo-district-resident adult patients with malignancy attending Apeksha Hospital Maharagama, Sri Lanka and development of a community based-essential care package to address palliative care needs”	Dr. Shermi Jayasumana, Registrar in MD Community Medicine	shermi.dilshara@gmail.com	