

## **CURRICULUM VITAE**

**Dr. K. S. N. D. Gunawardhana *BDS (Sri Lanka), PhD (South Korea)***

### **PERSONAL INFORMATION**

**Name in full** : Kuda Singappulige Niluka Darshani Gunawardhana

**Name with initials** : K.S.N.D. Gunawardhana

**Date of Birth** : 05<sup>th</sup> of May 1982

**Nationality** : Sri Lankan

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### **CONTACT INFORMATION**

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### **EDUCATIONAL QUALIFICATIONS**

First Degree Bachelor of Dental Surgery (BDS)  
From the Faculty of Dental Sciences, University of Peradeniya,  
Sri Lanka in 2008

Postgraduate degree PhD from the Department of Oral Biology, Yonsei University,  
College of Dentistry, Seoul, South Korea in 2014

## **PROFESSIONAL/TEACHING EXPERIENCES**

- 2008 Registered General Dental Practitioner at Sri Lanka Medical Council
- 2008 Aug- 2009 Feb Temporary Assistant Lecturer  
Department of Oral Pathology, Faculty of Dental Sciences, University of Peradeniya
- 2009 Feb- 2009 Dec Temporary Assistant Lecturer  
Department of Oral and Maxillofacial Surgery, Faculty of Dental Sciences, University of Peradeniya
- 2010 -2014 August Graduate student and Teaching Assistant  
Department of Oral Biology, Yonsei University College of Dentistry, Seoul, South Korea
- 2014 Nov- 2017 Sep Grade II Dental Surgeon (HO/OMF) at District General Hospital- Nuwara Eliya
- 2017 Oct-Up to date Senior Lecturer (Grade II), Department of Basic Sciences, Faculty of Dental Sciences, University of Peradeniya

## **RESEARCH PUBLICATIONS**

- **Gunawardhana KSND**, Jayasooriya PR, Rambukewela IK, Tilakaratne WM. A clinico-pathological comparison between mandibular and maxillary ameloblastomas in Sri Lanka. *Journal of Oral Pathology and Medicine* 2010; 39(3):236-41.
- **Gunawardhana KSDN**, Jayasooriya PR, Tilakaratne WM. Diagnostic dilemma of unicystic ameloblastoma: novel parameters to differentiate unicystic ameloblastoma from common odontogenic cysts. *Journal of Clinical and Investigative Dentistry* 2013; 5: 1-6.
- Kim JH, Lee DE, **Gunawardhana KSND**, Choi SH, Woo GH, Cha JH, Bak EJ, Yoo YJ. Effect of the interaction between periodontitis and type 1 diabetes mellitus on alveolar bone, mandibular condyle and tibia. *Acta Odontologica Scandinavica* 2014; 72(4): 265-273.

- Kim J, Jang S, Kim A, Su H, **Gunawardhana N**, Jeon YE, Bak EJ, Kim JH, Cha JH. Role of bacterial  $\gamma$ -glutamyltranspeptidase as a novel virulence factor in bone-resorbing pathogenesis. *Journal of Microbiology (Seoul, Korea)* 2016, 54(5):396-402.
- J Lee, **ND Gunawardhana**, S Jang, YH Choi, RP Illeperuma, A Kim, H Su, YA Hong, JH Kim, J Kim, DW Jung, IH Cha, EJ Bak, JH Cha. Effect of Areca nut on *Helicobacter pylori*-induced gastric diseases in mice. *J Microbiol Biotechnol* 2016, 26(10):1817-1823.
- Sungil Jang, Hanfu Su, Faith C Blum, Sarang Bae, Yun Hui Choi, Aeryun Kim, Youngmin A Hong, Jinmoon Kim, Ji-Hye Kim, **Niluka Gunawardhana**, Yeong-Eui Jeon, Yun-Jung Yoo, D Scott Merrell, Linhu Ge, Jeong-Heon Cha. Dynamic expansion and contraction of *cagA* copy number in *Helicobacter pylori* impact development of gastric disease. *mBio* 2017, 8 (1)
- **Niluka Gunawardhana**, Sungil Jang, Yun Hui Choi, Youngmin A Hong, Yeong-Eui Jeon, Aeryun Kim, Hanfu Su, Ji-Hye Kim, Yun-Jung Yoo, D Scott Merrell, Jinmoon Kim, Jeong-Heon Cha. *Helicobacter pylori*-Induced HB-EGF Upregulates Gastrin Expression via the EGF Receptor, C-Raf, Mek1, and Erk2 in the MAPK Pathway. *Frontiers in cellular and infection microbiology* 2017, 7: 541

### **ABSTRACTS OF PRESENTATIONS**

- KSND Gunawardhana, PR Jayasooriya, IK Rambukewela, WM Tilakaratne. A Retrospective Analysis of Mandibular and Maxillary Ameloblastomas: A Comparative Study. *Proceedings of Peradeniya university research sessions 2009*
- Ji Hye Kim, **KSND Gunawardhana**, Hong Gyu Park, Jin Moon Kim, Eun Jung Bak, Yun-Jung Yoo, Pilot study for effect of periodontitis on systemic bone loss induced by Diabetes, 10<sup>th</sup> Yonsei Dental Symposium 2010:27.
- Hong Gyu Park, Ji Hye Kim, **KSND Gunawardhana**, Yun-Jung Yoo, Effect of Leptin on production of Pro-inflammatory cytokines in periodontal ligament cells. 10<sup>th</sup> Yonsei Dental Symposium 2010: 31.

- Hong Gyu Park, Ji Hye Kim, **KSND Gunawardhana**, Yun-Jung Yoo, Effect of Leptin on production of Pro-inflammatory cytokines in periodontal ligament cells. The 18<sup>th</sup> federation meeting of Korean basic medical scientists 2010: 376.
- Hong Gyu Park, Ji Hye Kim, **KSND Gunawardhana**, Yun-Jung Yoo. Effect of Leptin on production of Pro-inflammatory cytokines in periodontal ligament cells. The 9<sup>th</sup> Korean basic dental science symposium 2010: 63.
- Kim JH, Bak EJ, **Gunawardhana KSND**, Kim JM, Yoo YJ, Bone loss in alveolar bone and tibia of type 1 diabetic rat with Periodontitis, 11<sup>th</sup> Yonsei international symposium, 2011: 101-102.
- **KSND Gunawardhana**, Cha Jeong-Heon. *In vitro* system to investigate the gastrin expression by *Helicobacter pylori*. Proceedings of International meeting of the microbiological society of Korea 2014:221.
- Yun Hui Choi, Aeryun Kim, **Niluka Darshani Gunawardhana**, Hanfu Su, Jinmoon Kim, Jeong-Heon Cha. Involvement of CagL polymorphisms between East-Asian and Western *Helicobacter pylori* in IL-8 induction. 14<sup>th</sup> Annual meeting of the Korean basic dental science society association 2015: 75.
- Y. Choi, A. Kim, **N. Gunawardhana**, H. Su, J. Kim, J-H Cha. Investigation of *Helicobacter pylori* CagL polymorphisms between East-Asian and Western populations. American Society for Microbiology- 115<sup>th</sup> General Meeting 2015.
- S. Jang, **N. Gunawardhana**, J. Kim, Y. Choi, Y-E. Jeon, A. Kim, D.S.Merrell, J-H. Cha. *Helicobacter pylori* promotes Gastrin promoter activity via HB-EGF, the EGF receptor, C-raf, Mek-1, and Erk2 in the Erk pathway. American Society for Microbiology- 115<sup>th</sup> General Meeting 2015.
- Sungil Jang, **Niluka Gunawardhana**, Jinmoon Kim, Yun Hui Choi, Yeong-Eui Jeon, Aeryun Kim, D, Scott Merrell, Jeong-Heon Cha. Involvement of HB-EGF, the EGF receptor, C-Raf, Mek-1, and Erk2 in *Helocobacter pylori*-induced Gastrin promoter activation. International meeting of the microbiological society of Korea. April 2015.
- **Niluka Gunawardhana**, Jinmoon Kim, Yun Hui Choi, Sungil Jang, Yeong-Eui Jeon, Aeryun Kim, Jeong-Heon Cha. A EGF receptor ligand, HB-EGF plays a critical role in

induction of gastrin expression during *Helicobacter pylori* pathogenesis. Gut Microbiota, Metabolic Disorders and Beyond. April 2016.

- **K.S.N.D. Gunawardhana**, B. Navaratnam, G.K. Ranaweera, R.D. Jayasinghe, A.H.M.K. Abeysinghe. A descriptive analysis and clinical outcome of patients presented with lower impacted third molars to the District General Hospital-Nuwara Eliya. Proceedings of Peradeniya University International Research Sessions (iPURSE). 2016.