

CURRICULUM VITAE

Dr. B.G.T.L.Nandasena BDS (Sri Lanka), MPhil (Sri Lanka), PhD (Japan)



Senior Lecturer in Dental Anatomy
Department of Basic Sciences
Faculty of Dental Sciences
University of Peradeniya
Peradeniya, 20400
Sri Lanka

Email- bgtln@yahoo.com
Official - 94-81-2397223
Mobile - 94-71-8130815
(Updated: January 2013)

1. Personal Details

- | | |
|----------------------------|---|
| I. Name in full: | Batheegama Gammacharige Tharanga Lakmali Nandasena |
| Name with Initials: | B.G.T.L.Nandasena |
| II. Sex: | Female |
| III. Nationality: | Sri Lankan |
| IV. Date of Birth: | 20 th October 1973 |
| V. Family Status: | Married with two children (11 and 9 yr old daughters) |

3. Educational Qualifications

- | | |
|---------------------------------|---|
| I. First Degree | B.D.S. (Bachelor of Dental Surgery) /Faculty of Dental Sciences, University of Peradeniya, Sri Lanka - in 2000
2st BDS <ol style="list-style-type: none">1. Placed 1st in the merit list.2. Distinctions in General Anatomy and Dental Anatomy & Histology3. Passed with Second Class Honors Awards – Lucy de Abrew medal for the best student
3rd BDS Passed
Final BDS Passed with Second Class Honors |
| 2. Post graduate Degrees | MPhil (Master of Philosophy)
Department of Basic Sciences, faculty of Dental Sciences, University of Peradeniya, Sri Lanka – in 2007 |

Ph.D. (Doctor of Philosophy)

Department of Oral Anatomy, Graduate School of Dental Sciences, Niigata University, Japan - in 2009

4. My Teaching Specialties Include

My teaching includes lectures, tutorials and practical for undergraduate and postgraduate students in dentistry, and dental surgery assistants.

- I. Morphology and chronology of deciduous and permanent dentition
- II. Tooth development
- III. Evolution of teeth and Jaws
- IV. Comparative Dental Anatomy
- V. Structure and functions of teeth and supporting structures
- VI. Functional anatomy of oral mucosa and TMJ
- VII. Host defense

13. Awards

- I. Certificate for the Commendable Presentation at PURSE- 2003 on contribution of Cholinesterase at various stages of odontogenesis of guinea pig teeth
- II. Presidential Award 2009, for the publication made on "Regional distribution of interglobular dentine in human teeth" in Arch Oral Biol in 2009
- III. Certificate for the Commendable Poster Presentation at FDI/CDA/SLDA Joint International Conference and 80th Anniversary Annual Scientific Sessions of Sri Lanka Dental Association on contribution of "Effective use of fluoride tooth paste and introduction of SFMR in a group of 6 year old children in Kandy, Sri Lanka"
- IV. NRC Merit award for the publication made on "Distribution pattern of cholinesterase enzymes in the human tooth germs" in Arch Oral Biol in 2010

14. Current Research Activities

- I. Cholinesterase in developing hard tissues – teeth and bone
- II. Innervations of tooth PDL and innervations of tooth germ during development
- III. Gender and ethnic differences in oral health and oral health impact on the quality of life of children in Sri Lanka
- IV. Cephalic measurements
- V. Antioxidant, anti bacterial and anticancer effects of medicinal plants

15. Publications

Abstracts

In Refereed journal

1. Igarashi Y, Aita M, Kawano Y, Nandasena T, Suzuki A, Nozawa-Inoue K, Maeda T. Expression of GDNF and RET in the development of the periodontal Ruffini endings. Niigata Dent. J. 2006; 36 (2): 90-91
2. Aita M, Suzuki A, Nandasena T, Inoue K, Maeda T Involvement of GDNF and its receptors in the maturation of the periodontal Ruffini endings. J. Oral Biosci. (48). 2006. pg 125

Articles

In Refereed journal

1. Igarashi Y, Aita M, Suzuki A, **Nandasena T**, Kawano Y, Nozawa-Inoue K, Maeda T. Involvement of GDNF and its receptors in the maturation of the periodontal Ruffini endings. Neurosci Lett. 2007;412(3):222-6
2. **Nandasena BGTL**, Suzuki A, Aita M, Kawano Y, Nozawa-Inoue K, Maeda T. Immunolocalization of aquaporin-1 in the mechanoreceptive Ruffini endings in the periodontal ligament. Brain Res. 2007; 32-40
3. Iizuka N, Suzuki A, Nozawa-Inoue K, Kawano Y, **Nandasena BG**, Okiji T, Maeda T. Differential cell-specific location of Cav-1 and Ca(2+)-ATPase in terminal Schwann cells and mechanoreceptive Ruffini endings in the periodontal ligament of the rat incisor. J Anat. 2009; 214 (2):267-74.
4. Jayawardena C, **Nandasena T**, Abeywardena A, Nanayakkara D. Regional distribution of interglobular dentine in human teeth. Arch Oral Biol. 2009 Nov; 54(11):1016-21. Epub 2009 26.
5. Jayawardena, JACK., **Nandasena, BGTL.**, Thilakaratne, WM., Nanayakkara, CD., Takano, Y.: Distribution pattern of cholinesterase enzymes in the human tooth germs. Arch Oral Biol. 2010; 561-69.
6. Herath E.M.U.C.K., **Nandasena B.G.T.L.***, Perera K., Ratnayake S.C., Peiris H.R.D., Miyasaki H. Caries experience in 5 - 6 year old primary school children in Kandy, Central Province of Sri Lanka. Journal of Japan Society of Human Growth and Development; (2015) 13(1):52-54. (in Japanese)

Oral and poster presentations (Local):

1. **Nandasena, BGTL.**, Mendis, BRRN., Abeyratne, R.: Early introduction of clinical in the undergraduate Dental curriculum. Annual Research Session, Faculty of Dental Sciences of University of Peradeniya, Sri Lanka Oct 2000. Pg 49.
2. **Nandasena, BGTL.**, Jayawardena, JACK., Nanyakkara, CD.: Distribution of interglobular dentine in the roots of human tooth. Collage of Dentistry and Stomatology of Sri Lanka, 17th Annual Academic Congress and First Japan Sri Lanka Bilateral Dental Congress. Aug 2003. Pg 84.
3. Jayawardena, JACK., Takano, Y., **Nandasena, BGTL.**, Nanayakkara, CD.: Contribution of cholinesterase at various stages of odontogenesis of guinea pig teeth. Proceedings and Abstracts, Peradeniya University Research Sessions PURSE 2003. Pg71.
4. **Nandasena, BGTL.**, Jayawardena, JACK., Suraweera, AK., Thilakaratne, WM. Nanayakkara, CD.: Localization of cholinesterase enzyme and its putative role in the human tooth morphogenesis. Programme and abstract book, "Advanced Strategies in Restorative Dentistry" 72nd year SLDA Annual Scientific Sessions 2004. pg 82-83.
5. **Nandasena, BGTL.**, Jayawardena, JACK., Suraweera, AK., Thilakaratne, WM., Nanayakkara, CD.: Localization and non-neuronal contribution of the cholinesterase enzyme in human tooth morphogenesis. Proceedings and Abstracts, Peradeniya University Research Sessions PURSE 2004. 54.
6. **Nandasena, BGTL.**, Jayawardena, JACK., Arambawatta, AKS., Priyadarshani, A., Nanyakkara, CD.: Distribution of interglobular dentine in human bicuspid teeth. Proceedings and Abstracts, Peradeniya University Research Sessions PURSE 2004. pg 68.
7. Jayawardena, JACK., **Nandasena, BGTL.**, Nanayakkara, CD.: Localization of cholinesterase enzyme in bone cells and osteogenesis. Proceedings and Abstracts, Peradeniya University Research Sessions PURSE 2005. pg 54
8. Jayawardena JACK., **Nandasena BGTL.**, Suraweera AK., Nanayakkara CD., Takano Y.: The non-neuronal cholinergic system in odontogenesis. 5th. Traiennial meeting of the Commonwealth Dental Association, Colombo, Sri Lanka, 2006.
9. **Nandasena BGTL**, Suzuki A, Aita M, Kawano Y, Nozawa-Inoue K, Maeda T. Aquaporin-1 and -4 in the periodontal Ruffini endings and the trigeminal ganglion of rats. Proceedings Peradeniya University Research Sessions PURSE 2008. 13(1):120-3.
10. Jayawardena, JACK., **Nandasena, BGTL.**, Nozawa-Inoue K, Nanayakkara, CD, Maeda T. Development of innervation of human permanent successor tooth germs. Proceedings Peradeniya University Research Sessions PURSE 2008. 13(1): 123-5.

11. E.M.U.C.K.Herath., **Nandasena, B.G.T.L.**, K.Perera., A.Steepenson., S.C.Ratnayake., S. Sakuma., H.Myazaki. Prevalence, Severity of Dental Caries and Care Index of Six Year Old Primary School Children in a Semi Urban Area in Kandy, Sri Lanka . Proceedings Peradeniya University Research Sessions PURSE 2010. 16: 68.

Oral and poster presentations (International):

1. Jayawardena, JACK., **Nandasena, BGTL.**, Suraweera, AK., Thilakaratne, WM., Nanayakkara, CD., Takano, Y.: Localization of cholinesterase enzyme and its putative role in the human tooth morphogenesis. 8th.International Conference on Tooth Morphogenesis and Differentiation York, UK. 17-21, July 2004.
2. Aita M, Suzuki A, **Nandasena T**, Inoue K, Maeda T. GDNF and its receptors in the development of the periodontal Ruffini endings. Proceedings 48th Annual meeting of Japanese Association for Oral Biology, Yokohama, Japan. Sep., 2006. 125
3. Jayawardena JACK., **Nandasena BGTL.**, Suraweera AK., Nanayakkara CD., Takano Y.: The non-neuronal cholinergic system in odontogenesis. 5th. Triennial meeting of the Commonwealth Dental Association, Colombo, Sri Lanka. 1st- 3rd Dec, 2006.
4. Jayawardena, JACK., **Nandasena, BGTL.**, Nanayakkara, CD., Takano Y.: Cholinesterase enzyme activity in bone cells during osteogenesis. Proc: Oral and Craniofacial Biology Symposium, Missouri, USA, Oct 9-10, 2006
5. **Nandasena, BGTL.**, Jayawardena, JACK., Suraweera AK., Nanayakkara, CD.: Localization of acetylcholinesterase and acetylcholine receptor in human tooth morphogenesis. Proc: Oral and Craniofacial Biology Symposium, Missouri, USA, Oct 9-10, 2006
6. **Nandasena BGTL**, Suzuki A, Aita M, Kawano Y, Nozawa-Inoue K, Maeda T. Expression of Aquaporin-1 in the Periodontal Ruffini Endings. 85th General Session & Exhibition of the IADR, 36th Annual Meeting of the AADR, 31st Annual Meeting of the CADR, New Orleans, USA. 2007
7. Maeda T., Aita M., Suzuki A., **Nandasena T.**, Kawano Y., and Nozawa-Inoue K.: Multiple Neurotrophins Involve Development of the Periodontal Ruffini Endings. 85th General Session & Exhibition of the IADR, 36th Annual Meeting of the AADR, 31st Annual Meeting of the CADR, New Orleans, USA. 2007
8. E.M.U.C.K.Herath., **Nandasena, BGTL.**, K.Perera., S.C.Ratnayake., S. Sakuma., H.Myazaki. Dental caries status of 6 yeay old school children at the baseline of FMR program in Kandy, Sri Lanka. International conference on Global Public Health Colombo Sri Lanka, Abstracts Proceedings Global Public health. 2012 : 49.

9. **Nandasena, B.G.T.L.**, E.M.U.C.K.Herath.,_K.Perera., S.C.Ratnayake., S. Sakuma., H.Miyazaki. ECOHIS as a reliable indicator to predict the dental caries status of a child. International conference on Global Public Health Colombo Sri Lanka, Abstracts Proceedings Global Public health. 2012: 53.
10. E.M.U.C.K. Herath, **B.G.T.L. Nandasena**, S.C. Ratnayake, H. Ogawa, Y. Makino, H. Miyazaki. Oral health survey of around 6-year old schoolchildren in Sri Lanka. Sri Lanka Japan Collaborative Researches. 2013 March. Peradeniya, Sri Lanka.
11. C.K.Jayawardena., V.Walpola., **T.Nandasena.**, D.Nanayakkara., Y.Takano. Organic Anion Transporters Play Roles in Human Enamel Formation. Japanese Association for Dental Researches 2012 Dec. Niigata, Japan.
12. E.M.U.C.K. Herath, **B.G.T.L. Nandasena**, K.Perera., A.Steepenson., S.C. Ratnayake, H. Ogawa, Y. Makino, H. Miyazaki. Effective use of fluoride tooth paste and introduction of SFMR in a group of 6 year old children in Kandy, Sri Lanka. FDI/CDA/SLDA Joint International Conference and 80th Anniversary Annual Scientific Sessions of Sri Lanka Dental Association. 2013 June-July. Colombo, Sri Lanka. Accepted Abstract.
13. M. P. Paranagama*, **B. G. T. L. Nandasena**, B. M. H. S. K. Banneheka, R. P. V. J. Rajapakse, C. Sakai, K. Kita. mRNA expression patterns of mitochondrial complex II isoforms in Sri Lankans. iPURSE 2014.

Books:

1. *By International Publisher*

Cholinesterases in human Odontogenesis

ISBN : 978-3-659-20430-2

Publisher : Lampert Academic Publisher, Germany

Published in 2012

2. *By Local Publisher*

MCQs and OSPE type Questions – Oral Biology I

ISBN : 978-955-54590-4-4

Publisher : Wijeya Publisher, Peradeniya, Sri Lanka

Published in 2013

15. Other Activities

Work done as an Illustrator in academically related books

- I. Essentials of Crowns and Bridges 1st Edition
By Prof KA Wettasinghe - 2004
- II. Temporomandibular Disorders
Essentials of Diagnosis and Management
By Prof Aruna Ariyawardena - 2008
- III. Essentials of Crowns and Bridges 2st Edition
By Prof KA Wettasinghe - 2009

I hereby certify that the particulars submitted by me in this application are true and accurate.

18.02. 2016

.....

Date

Dr. B.G.T.L. Nandasena

.....

Signature of applicant