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Objective

Acquire new knowledge and engage in research in order to educate and inspire young minds

Present Appointment

Senior Lecturer
Department of Radiography/Radiotherapy
Faculty of Allied Health Sciences
University of Peradeniya,
Sri Lanka.

Educational Qualifications

PhD (2020)
Nagoya University, Japan

BSc. in Radiography (2011)
University of Peradeniya, Sri Lanka.

Professional Qualifications

- Senior Lecturer Gr II at Department of Radiography/Radiotherapy, University of Peradeniya from 2020 to present.

- Lecturer (probationary) at Department of Radiography/Radiotherapy, University of Peradeniya from 2012 to 2020.
- Temporary lecturer at Department of Radiography/ Radiotherapy, University of Peradeniya from 2011 to 2012.

Professional Training & Workshops

- Successfully completed the “Induction Programme for Academic Staff” conducted by Staff Development Centre, University of Peradeniya – 2013
- Certificate of completion of workshops on “Academic writing and Logical Thinking Skills” conducted by Nagoya University – 2015
- Certificate on “Research Methods and Data Analysis using SPSS” – A workshop conducted by Post Graduate Institute of Science, University of Peradeniya, Sri Lanka - 2014
- Certificate in “Student Assessment Methods”- A workshop organized by the Education Unit, Faculty of Allied Health Sciences, University of Peradeniya, Sri Lanka – 2013
- Certificate in “Presenting Research Work” - A workshop organized by the Young Scientists Forum (YSF), National Science and Technology Commission (NASTEC) in-2013
- Certificate in “Forensic Radiography” - A workshop organized by the Faculty of Allied Health Sciences in collaboration with Faculty of Medicine, University of Peradeniya, Sri Lanka – 2013
- Certificate on “Data Analysis using R and R-Studio” – A short course conducted by Post Graduate Institute of Science, University of Peradeniya, Sri Lanka – 2012
- Certificate in instruction of First Aid - Organized by St. John Ambulance Association, Sri Lanka
- Certificate in “Radiation Protection” - A workshop organized by the Faculty of Allied Health Sciences, University of Peradeniya, Sri Lanka - 2012

Scholarships, Awards and Grants

- Japanese Government (MEXT) Scholarship for Research from 2015 to 2020
- Best research award at the 3rd Scientific Assembly of ISMRM Japanese chapter 2018
- International scholarship from Japanese Society of Radiological Technology to attend 75th annual scientific congress of JSRT 2019

Research Activities

Journal articles

- Perera, R., Isoda, H., Ishiguro, K., Mizuno, T., Takehara, Y., Terada, M., Tanoi, C., Naito, T., Sakahara, H., Hiramatsu, H., Namba, H., Izumi, T., Wakabayashi, T., Kosugi, T., Onishi, Y., Alley, M., Komori, Y., Ikeda, M., & Naganawa, S. (2020). Assessing the Risk of Intracranial Aneurysm Rupture Using Morphological and Hemodynamic Biomarkers Evaluated from Magnetic Resonance Fluid Dynamics and Computational Fluid Dynamics. *Magnetic resonance in medical sciences: MRMS: an official journal of Japan Society of Magnetic Resonance in Medicine*, 19(4), 333–344.
<https://doi.org/10.2463/mrms.mp.2019-0107>
- Perera M G R S, Hewavithana P B. The Usefulness of Chest Radiography as a Health Screening Method prior to Employment. Sri Lanka Journal of Radiology. Vol.2 Issue 1: ISSN 2013- 9076, May 2013: pp.12-16- Full article
- M. G. R. S. Perera, B. S. Weerakoon, M. L. Jayatilake, R. D. Jayasinghe, W. Huang. Evaluation of Longitudinal Relaxation Time (T1) of Bone Marrow in Lumbar Vertebrae of Leukaemia Patients Undergoing Magnetic Resonance Imaging. International Science Index. Vol. 8 No: 9 Part III, September 2014: pp 494-496 – Full article
- Jayasinghe R. D, Weerakoon B. S. and Perera R. Evaluation of development time effect on X-ray film density. International Journal of Modern and Alternative Medicine Research. Vol. 3(1), October 2015: pp. 1-4 - Full article
- M.G.R.S. Perera, P.B. Hewavithana: The History of Evolution of Magnetic Resonance Imaging in the Western Province of Sri Lanka. The Radiographer. Vol.8: ISSN1391-0795, November 2012: p39-43 - Full article

- Jayasinghe RD, Weerakoon BS, Perera R, Madushanka M, Fonseka MCN and Wettasinghe KA: Quality of Working Length Radiographs Taken and Used by Final Year Undergraduate Dental Students during Endodontic Treatment. International Journal of Modern and Alternative Medicine Research. 2013; p1-4 - Full article

Abstracts

- M.G.R.S. Perera, H. Isoda, T. Mizuno, M. Terada, T. Naito, C. Tanoi, T. Izumi1, H. Sakahara, S. Naganawa: Evaluation of haemodynamic and morphological biomarkers to assess the rupture risk of intracranial aneurysms using magnetic resonance fluid dynamics and computational fluid dynamics. Insights imaging 2019;10(suppl 1): p225. 25th European Congress of Radiology (2019)– Abstract
- Ruwan D Jayasinghe, Bimali S Weerakoon, Roshani S Perera, E.A.W. Madushanka, Manil C.N. Fonseka, Kamal A Wettasinghe: Quality of Working Length Radiographs Taken and Used by Final Year Undergraduate Dental Students during Endodontic Treatment. International Dental Journal. 2012; 62: p68-89 – Abstract
- Jayasinghe RD, Weerakoon BS, Perera R, Madushanka M, Fonseka MCN and Wettasinghe KA: Evaluation of Intra Oral Periapical Radiographs Used by Final Year Dental Students in Endodontic Treatment. 79th Annual Scientific Sessions 2012 (30th July – 1st July), Sri Lanka Dental Association, Sri Lanka. p27 – Abstract
- P.B. Hewavithana & M.G.R.S. Perera: The Usefulness of Pre-Employment Chest Radiography as a Health Screening Method Prior to Employment. Peradeniya University Research Sessions 2012(4th July 2013). Vol. 17. p274 – Abstract
- M. G. R. S. Perera, B. S. Weerakoon, M. L. Jayatilake, R. D. Jayasinghe, W. Huang. Evaluation of Longitudinal Relaxation Time (T1) Of Bone Marrow in Lumbar Vertebrae of Leukaemia Patients Undergoing Magnetic Resonance Imaging. Peradeniya University International Research Sessions (iPURSE). Vol. 18. P 298 - 4th & 5th July 2014 –Abstract
- H. M. I. S. W. Herath, E. M. K. Ekanayake, M. G. R. S. Perera, S. Rosairo, U. M. U. W. Jayasekara, P. B. Hewavithana. Evaluation of Radiation Dose to Thyroid during Mammography. Peradeniya University International Research Sessions (iPURSE). Vol. 18. P 361 - 4th & 5th July 2014 – Abstract

Presentations at academic forums and research Conferences

- Perera R, Isoda H, Tajima S, Mizuno S, Terada M, Naito T, Tanoi C, Izumi T, Takehara Y, Wakabayashi T, Sakahara H, Naganawa S. Evaluation of hemodynamic and morphological biomarkers to assess rupture risk of intracranial aneurysms using magnetic resonance fluid dynamics and computational fluid dynamics. In: **The 47th Annual Meeting of the Japanese Society for Magnetic Resonance in Medicine (JSMRM 2019)**, Kumamoto, Japan. September 20 - 22 2019 (Oral presentation)
- Perera R, Isoda H, Terada M, Tanoi C, Izumi T, Sakahara H. Evaluation of hemodynamic and morphological biomarkers to assess rupture risk of intracranial aneurysms using magnetic resonance fluid dynamics and computational fluid dynamics. In: **The 75th Annual Scientific Congress of Japanese Society of Radiological Technology (JSRT)**, Yokohama, Japan. April 11 -14, 2019 (Oral presentation)
- Perera R, Isoda H, Mizuno T, Terada M, Naito T, Tanoi C, Izumi T, Sakahara H, Naganawa S. Evaluation of hemodynamic and morphological biomarkers to assess rupture risk of intracranial aneurysms using magnetic resonance fluid dynamics and computational fluid dynamics. In: **25th European Congress of Radiology (ECR)**, Vienna, Austria. February27 - March 3, 2019 (Oral presentation)
- Perera R, Isoda H, Tajima S, Terada M, Naito T, Tanoi C, Izumi T, Takehara Y, Sakahara H, Naganawa S. Evaluation of hemodynamic and morphological biomarkers to assess rupture risk of intracranial aneurysms using magnetic resonance fluid dynamics and computational fluid dynamics. In: **48th annual scientific meeting of the Japanese Society of Neuroradiology**, Kurume, Japan. February 14 - 16, 2019 (Oral presentation)
- Perera R, Isoda H, Tajima S, Mizuno T, Terada M, Naito T, Tanoi C, Izumi T, Takehara Y, Wakabayashi T, Sakahara H, Naganawa S. Evaluation of hemodynamic and morphological biomarkers to assess rupture risk of intracranial aneurysms using magnetic resonance fluid dynamics and computational fluid dynamics. In: 85th annual scientific meeting of 東海総合画像医学研究会, Nagoya, Japan. January 5, 2019 (Oral presentation)
- Perera R, Isoda H, Mizuno T, Terada M, Tanoi C, Izumi T, Takehara Y, Wakabayashi T, Sakahara H, Naganawa S. Evaluation of hemodynamic and morphological biomarkers to assess rupture risk of intracranial aneurysms using magnetic resonance fluid dynamics and computational fluid dynamics. In: 3rd annual scientific meeting of **ISMRM- Japanese Chapter**, Nagoya, Japan. December 22 - 23, 2018 (Poster presentation: won the best poster presentation award).
- M. G. R. S. Perera, B. S. Weerakoon, M. L. Jayatilake, R. D. Jayasinghe, W. Huang. Evaluation of Longitudinal Relaxation Time (T1) of Bone Marrow in Lumbar Vertebrae of

Leukaemia Patients Undergoing Magnetic Resonance Imaging. In: **International conference on Medical Physics and Medical Sciences 2014**, Singapore. September 11 – 12, 2014 (Oral presentation)

- P.B. Hewavithana & M.G.R.S. Perera: The Usefulness of Pre-Employment Chest Radiography as a Health Screening Method Prior to Employment. In: **Peradeniya University Research Sessions (PURSE 2012)**, Peradeniya, Sri Lanka. 4th July 2013 – (Poster presentation)
- M. G. R. S. Perera, B. S. Weerakoon, M. L. Jayatilake, R. D. Jayasinghe, W. Huang. Evaluation of Longitudinal Relaxation Time (T1) Of Bone Marrow in Lumbar Vertebrae of Leukaemia Patients Undergoing Magnetic Resonance Imaging. In: Peradeniya University **International Research Sessions (iPURSE)**, **Peradeniya, Sri Lanka**. 4th & 5th July 2014 – (Oral presentation)

Membership of Professional Organizations

- Sri Lanka Medical Council Registration as a Radiographer – 2013

Contribution to the University

- Part Time Academic Sub Warden in the Ramanathan Hall, University of Peradeniya, Sri Lanka from 2014 to 2015.
- Module coordinator for the under graduate Radiography curriculum for the modules: Basic Biochemistry (AH1108), Anatomy for Radiographers (RA1202), Imaging Principles (RA1205), Principles of Nuclear Imaging (RA2101), Practice of Imaging Principles (RA2204) from 2013 to 2015.
- Member of “Quality Assurance Committee” - Faculty of Allied Health Sciences, University of Peradeniya from 2013 -2015.
- Member of “Registration and Program Committee” of iPURSE 2014.