

Dr Colin J Martin, PhD

Colin Martin has a PhD in Physics and has worked as a hospital based Medical Physicist in Scotland since 1976. He was Head of the Health Physics Service for the West of Scotland from 1995 to 2013, which provided a regional service in Radiation Protection, Diagnostic Radiology Physics and non-ionising radiations. He is now an honorary senior lecturer with the University of Glasgow, and is a Radiation Protection Adviser and Medical Physics Expert.

Dr Martin has had extensive involvement in the development of methodologies in different aspects of radiation protection. Particular areas of expertise include optimisation of patient procedures for diagnostic radiology (radiography, interventional fluoroscopy, CT, and cone beam CT), development of diagnostic reference levels, X-ray patient dosimetry, personal staff dose monitoring, and ultraviolet dosimetry.



He has written over 250 scientific articles/book chapters, including over 130 papers in peer reviewed scientific journals on a wide range of topics relating to radiation protection in all aspects of medicine, for both ionising and non-ionising radiations. Currently he is a member of the Editorial Boards for the Journal of Radiological Protection and Radiation Protection Dosimetry. He has co-edited a text book entitled Practical Radiation Protection in Healthcare, Oxford University Press, the second edition of which was published in 2015. Other text books that he has co-edited include Medical Imaging and Radiation Protection for medical students and clinical staff, British Institute of Radiology (BIR) 2003, Radiation Shielding for Diagnostic Radiology, BIR 2012, and Personal Protective Equipment for Diagnostic X-ray Use, BIR 2016.

Dr Martin joined Committee 3 of the International Commission on Radiological Protection (ICRP) (Protection in Medicine) in 2013, and is now Vice-Chair. He has contributed to Task Groups for ICRP publications 106, 113 and 135, and is currently a member of Task Groups/Working Parties preparing reports on Occupational Radiation Protection in Interventional Procedures and Use of Effective Dose as a Radiological Protection Quantity.

He was a member of the International Atomic Energy Agency (IAEA) Steering Committee for the International Action Plan on Occupational Exposure for many years, and Chaired an IAEA Technical Meeting that prepared guidelines for investigation and prevention of unintended and accidental medical exposures in radiology. He has been a consultant for the IAEA on projects relating to medical exposure in Europe, the Middle East, Africa and Asia.

Dr Martin has been a member of specialist interest groups linked to the UK Institute of Physics and Engineering in Medicine, the Society for Radiological Protection, and the British Institute of Radiology, and is a member of the UK Committee on Medical Aspects of Radiation in the Environment. He retains close links with these organisations and is currently chairing two UK Working Parties relating to personal dosimetry and non-medical exposures. Dr Martin is a Fellow of the Institute of Physics and the Institute of Physics and Engineering in Medicine and was awarded an Honorary Fellowship of the Society for Radiological Protection in 2015.