

Dr Colin J Martin, PhD

Colin Martin has a PhD in Physics and worked as a hospital based Medical Physicist in Scotland from 1976. He was Head of 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 a Radiation Protection Adviser.

Dr Martin had extensive involvement in development of methodologies in different aspects of radiation protection (RP). 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 300 scientific articles/book chapters, including over 150 papers in peer reviewed scientific journals on a wide range of topics relating to RP 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 Radiological 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, 135, 139, and 147. He is currently chair of Task Groups 108 on RP in optimisation in digital radiology and 116 on RP aspects of imaging in radiotherapy, and a member of Task Group 117 on RP in PET and PET/CT.

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 IAEA Technical Meetings that prepared guidelines for investigation and prevention of unintended and accidental medical exposures in radiology and nuclear medicine. He has been a consultant for 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 (IPEM), the Society for Radiological Protection (SRP), and the British Institute of Radiology (BIR), and is a member of the UK Committee on Medical Aspects of Radiation in the Environment. Dr Martin is a Fellow of the Institute of Physics and the Institute of Physics and Engineering in Medicine. He was awarded the Founders Prize from SRP for contributions to RP in 2003, the BIR Barclay Prize for outstanding contributions to the British Journal of Radiology in 2006, an Honorary Fellowship of the SRP in 2015, and the IPEM Healthcare Gold Medal in 2018 for outstanding contributions to the advancement of healthcare related to physics in medicine over a sustained period.