

Appendix 3: IAEA Publications in Dosimetry and Medical Radiation Physics

Below is the list of publications that appeared in 2009–2010. In addition to the titles below, an IAEA SSDL Newsletter is published biannually and distributed among the members of the SSDL network and the scientific community. The Newsletter is also available on the Internet. A list of Non-IAEA publications authored or co-authored by staff members of the DMRP Section during 2009–2010 is given in the Appendix.

2009

- Clinical Training of Medical Physicists Specializing in Radiation Oncology (**IAEA Training Course Series No. 37**).
http://www-pub.iaea.org/MTCD/publications/PDF/TCS-37_web.pdf
- Quality Assurance for SPECT Systems (**Human Health Series No. 6**).
http://www-pub.iaea.org/MTCD/publications/PDF/Pub1394_web.pdf
- Quality Assurance Programme for Screen Film Mammography (**Human Health Series No. 2**).
http://www-pub.iaea.org/MTCD/publications/PDF/Pub1381_web.pdf
- Quality Assurance for PET and PET/CT Systems (**Human Health Series No. 1**).
http://www-pub.iaea.org/MTCD/publications/PDF/Pub1393_web.pdf
- Calibration of Reference Dosimeters for External Beam Radiotherapy (**Technical Reports Series No. 469**).
http://www-pub.iaea.org/MTCD/publications/PDF/trs469_web.pdf
- SSDL Newsletter No. 57. July 2009
<http://www-pub.iaea.org/MTCD/publications/PDF/Newsletters/SSDL-NL-57.pdf>

2010

- Clinical Training of Medical Physicists Specializing in Diagnostic Radiology (**IAEA Training Course Series No. 47**).
http://www-pub.iaea.org/MTCD/publications/PDF/TCS-47_web.pdf
- Planning a Clinical PET Centre (**Human Health Series No.11**).
http://www-pub.iaea.org/MTCD/publications/PDF/Pub1457_web.pdf
- El físico médico: Criterios y recomendaciones para su formación académica, entrenamiento clínico y certificación en América Latina (**Human Health Reports No. 1**).
http://www-pub.iaea.org/MTCD/publications/PDF/P1424_S_web.pdf
- Comprehensive Clinical Audits of Diagnostic Radiology Practices: A Tool for Quality Improvement — Quality Assurance Audit for Diagnostic Radiology Improvement and Learning (QUAADRIL) (**Human Health Series No. 4**).
http://www-pub.iaea.org/MTCD/publications/PDF/Pub1425_web.pdf
- SSDL Newsletter No. 58. June 2010 – This was a special issue of the SSDL Newsletter commemorating 40 years of the IAEA/WHO postal dose quality audit service.
<http://www-pub.iaea.org/MTCD/publications/PDF/Newsletters/SSDL-NL-58.pdf>

Appendix 4: Non-IAEA publications authored or co-authored by staff members of the IAEA Dosimetry and Medical Radiation Physics (DMRP) Section, 2009–2010

2009

MEGHZIFENE, A.; Education, clinical training and professional recognition of medical physicists, World Congress on Medical Physics and Biomedical Engineering, Munich, Germany, IFMBE Proceedings, Vol. 25/13, pp10-12, 2009

IZEWSKA, J.; ROSENBLATT, E., Availability of radiotherapy resources worldwide: the IAEA Directory of Radiotherapy Centres (DIRAC), Book of Abstracts of the 3rd International Cancer Control Congress (3rd ICC), 8-11 November 2009, Cernobbio, Como, Italy.

IZEWSKA, J., VATNITSKY, S., SALMINEN, E., The IAEA Quality Audits in Radiotherapy, Proc. of International Conference, “Modern Radiotherapy: Challenges and Advances in Radiation Protection of Patients”, 2-4 December 2009, Paris, France.

MEGHZIFENE, A., McLEAN, I.D., CHHEM, R., “Building capacity in medical physics for radiological imaging: role of IAEA”, Chapter in the textbook *The Practice of Radiology Education: Challenges and Trends*, Springer (2009).

2010

HULTQVIST, M., FERNANDEZ-VAREA, J.M., **IZEWSKA, J.**, Monte Carlo simulation of correction factors for IAEA TLD holders, *Phys. Med. Biol.*, **55**, N161-N166 (2010).

FAULKNER, K., JÄRVINEN, H., BUTLER, P., **MCLEAN, I.D.**, PENTECOST, M., RICKARD, M., ABDULLAH, B., A clinical audit programme for diagnostic radiology: the approach adopted by the International Atomic Energy Agency, *Radiat. Prot. Dosimetry*, 2010 Apr-May, 139 (1-3):418-21. Epu 2010, Feb 16.

ZIMMERMAN, B.E., **PALM, S.**, Results of an International Comparison of ⁵⁷Co, *Applied Radiation and Isotopes*, **68**, 1217-1220 (2010).

KESNER, A.L., KUNTNER, C., A new fast and fully automated software based algorithm for extracting respiratory signal from raw PET data and its comparison to other methods. *Med. Phys.*, Vol. 37(10), pp. 5550-5559, Oct. 2010.

PALM, S., IAEA supports training in internal dosimetry, *J. Nucl. Med.* **51**, 15N-24N (2010).

HOLMBERG, O., MALONE, J., REHANI, M., **MCLEAN, D.**, CZARWINSKI, R., Current issues and actions in radiation protection of patients, *Eur. J. Radiol.*, Oct. 2010, 76(1): 15-9

MEGHZIFENE, A., VANO, E., LE HERON, J., CHEUNG, K.Y., Roles and responsibilities of medical physicists in radiation protection, *Eur. J. Radiol.*, Oct 2010, 76(1): 24-7

MEGHZIFENE, A., DANCE, D.R., **MCLEAN, D.**, KRAMER, H.M., Dosimetry in diagnostic radiology, *Eur. J. Radiol.*, Oct 2010, 76(1): 11-4

ELGQVIST, J., HULTBORN, R., LINDEGREN, S., **PALM, S.**, Ovarian cancer background and clinical perspectives. Book chapter in *Targeted Radionuclide Therapy*. Lippincott Williams & Wilkins, 2010, Chapter 29, pp380-396.

CHHEM, R.K., **MEGHZIFENE, A.**, CZARWINSKI, R., HOLMBERG, O., LAU, L., **KESNER, A.**, Towards better and safer use of radiation in medicine, *The Lancet*, Vol, 375, No. 9723, pp 1328-1330, April 2010.

IZEWSKA, J., “The IAEA quality audits in radiotherapy”, Proceedings of the 3rd Euro-Asian Congress on Medical Physics and Engineering: Medical Physics -2010, Moscow 21-25 June 2010, Russian Association of Medical Physics, Moscow (2010), Part 2, pp. 380-382

SGOUROS, G., ROESKE, J.C., McDEVITT M.R., **PALM, S.**, ALLEN, B.J., FISHER, D.R., BRILL, A.B., SONG H., HOWELL, R.W., AKABANI, G.; SNM MIRD Committee, BOLCH, W.E., BRILL, A.B., FISHER, D.R., HOWELL, R.W., MEREDITH, R.F., SGOUROSS, G., WESSELS, B.W., ZANZONICO, P.B. MIRD Pamphlet No. 22 (abridged): Radiobiology and dosimetry of alpha-particle emitters for targeted radionuclide therapy. J. Nucl. Med. **51**, 311-328, (2010).

IZEWSKA, J., SALMINEN, E, Role of Quality Audits: View from the IAEA, Chapter in the textbook Quality and Safety in Radiotherapy. Published by ‘Taylor & Francis, Editors: T. Pawlicki, P. Dunscombe, A. Mundt, P. Scalliet. In press.

MEGHZIFENE, A., Recognition of the medical physics profession. The Lancet. In press.

LI, Y., POULOS, A., **McLEAN, I.D.**, RICKARD, M., A review of methods of clinical image quality evaluation in mammography, Eur. J. Radiol. 2010 Jun;74(3):e122-31. Epub 2009 May 30

MINNITI, R., **CZAP, L.**, Comparison of the air kerma standards for ^{137}Cs and ^{60}Co gamma-ray beams between the IAEA and the NIST. Metrologia. In press.