

## IAEA publications in dosimetry and medical radiation physics

Below is the list of publications that appeared in 2005–2006 (it does not include referred publications in the archival literature). 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.

- 2006 Control de Calidad en Mamografía (TECDOC-1517, Spanish).
- 2006 Quality Assurance for Radioactivity Measurement in Nuclear Medicine (Technical Reports Series No. 454) (STI/DOC/010/454).
- 2006 Radiation Protection in the Design of Radiotherapy Facilities (Safety Reports Series No. 47) (STI/PUB/1223).
- 2006 Applying Radiation Safety Standards in Diagnostic Radiology and Interventional Procedures using X Rays (Safety Reports Series No. 39) (STI/PUB/1206).
- 2006 Applying Radiation Safety Standards in Radiotherapy (Safety Reports Series No. 38) (STI/PUB/1205).
- 2005 Applying Radiation Safety Standards in Nuclear Medicine (Safety Reports Series No. 40) (STI/PUB/1207).
- 2005 Implementation of the International Code of Practice on Dosimetry in Radiotherapy (TRS-398): Review of testing results (TECDOC-1455).
- 2005 Commissioning and Quality Assurance of Computerized Planning Systems for Radiation Treatment of Cancer (Technical Reports Series No. 430) (STI/DOC/010/430).
- 2005 Radiation Oncology Physics: A Handbook for Teachers and Students (STI/PUB/1196).
- 2005 Determinación de la Dosis Absorbida en Radioterapia con Haces Externos: Un Código de Práctica Internacional para la Dosimetría basada en Patrones de Dosis Absorbida en Agua (Colección de Informes Técnicos No. 398) (STI/DOC/010/398/S, Spanish).

Non-IAEA publications authored or co-authored by staff members of the Dosimetry and Medical Radiation Physics Section are listed below.

### 2005

SALMINEN, E., IZEWSKA, J., ANDREO, P., IAEA's role in the global management of cancer-focus on upgrading radiotherapy services, *Acta Oncologica*, **44**, 816-824 (2005).

ZIMMERMAN, B.E., RATEL, G. Report of the CIPM key comparison CCRI(II)-K2.Y-90, *Metrologia*, **42**, *Tech. Suppl.*, 06001 (2005).

WIESER, A., DEBUYST, R., FATTIBENE, P., MEGHZIFENE, A., ONORI, S., BAYANKIN, S.N., BLACKWELL, B., BRIK, A., BUGAY, A., CHUMAK, V., CIESIELSKI, B., HOSHI, M., The 3rd international intercomparison on EPR tooth dosimetry: Part 1, general analysis, *Appl Radiat Isot.* 62(2):163-171 (2005).

### 2006

THIERRY-CHEF, I., MARSHALL, M., FIX, J.J., BERMAN, F., GILBERT, E.S., HACKER, C., HEINMILLER, B., MURRAY, W., PEARCE, M.S., UTTERBACK, D., BERNAR, J., DEBOODT, P., EKLOF, M., GRICIENE, B., HOLAN, K., HYVONEN, H., KEREKES, A., LEE, M-C., MOSER, M., PERNICKA, F., CARDIS, E., The 15-country collaborative study of cancer risk among radiation workers in the nuclear industry: study of errors in dosimetry, *Radiation Research*, (2006), in press.

SHORTT, K.R., HUNTLEY, R.B., KOTLER, L.H., BOAS, J.F., WEBB, D.V., A comparison of Australian and Canadian calibration coefficients for air kerma and absorbed dose to water for  $^{60}\text{Co}$   $\gamma$  radiation, *APESM*, **29** (2), 206-215 (2006).

IZEWSKA, J., VATNITSKY, S., SHORTT, K.R., Postal dose audits for radiotherapy centers in Latin America and the Caribbean: trends in 1969–2003, *Rev Panam Salud Publica*, **20** (2/3), 161-172 (2006).

ZIMMERMAN, B.E., Radionuclide metrology in the life sciences: recent advances and future trends, *Appl. Radiat. Isot.*, **64**, 1351-1359 (2006).

SCHULTZ, M.K., HAMMOND, M., CESSNA, J.T., PLASCJAK, P., NORMAN, B., SLAZAK, L., GARMESTANI, K., ZIMMERMAN, B.E., UNTERWEGER, M.P., Assessing the  $^{210}\text{At}$  impurity in the production of  $^{211}\text{At}$  for radiotherapy by  $^{210}\text{Po}$  analysis via isotope dilution alpha spectrometry, *Appl. Radiat. Isot.*, **64**, 1365-1369 (2006).

CASSETTE, P., AHN, G.H., ALZITZOGLU, T., AUBINEAU-LANIECE, I., BOCHUD, F., GARCIA TORANO, E., GRAU CARLES, A., GRAU MALONDA, A., KOSSERT, K., LEE, K.B., LAEDERMANN, J.P., SIMPSON, B.R.S., VAN WYNGAARDT, W., ZIMMERMAN, B.E., Comparison of calculated spectra for the interaction of photons in a liquid scintillator. Example of  $^{54}\text{Mn}$  835 keV emission, *Appl. Radiat. Isot.*, **64**, 1471-1480 (2006).

ZIMMERMAN, B.E., Monte Carlo calculations of spectra and interaction probabilities for photons in liquid scintillators for use in the standardization of radionuclides, *Appl. Radiat. Isot.*, **64**, 1492-1498 (2006).