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| Title | In-vivo whole body measurement of internal radioactivity in the Nordic countries |
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| Abstract | <p>The PIANOLIB activity aims to harmonize the calibrations of the measurement equipment in the region and to evaluate the quality status of this kind of measurement by means of a proficiency test exercise. In this report the first results of the PIANOLIB activity are presented, that is, a compilation of existent regional resources for in-vivo whole body measurement and the phantom library website. In 2010 the project PIANOLIB collected the relevant information about the regional facilities, distributed the exercise instructions and managed the circulation of the phantom IRINA among the participant laboratories. The inventory within the activity has showed that the regional whole body counting assets has relatively diminished compared to 2006, the last time an inventory of the kind was made. Both the field laboratories as the stationary ones are equipped with sophisticated whole-body counting systems with Ge-or NaI-detectors. The regional competence is good and still retains experienced staff, but it is clear that a new generation is coming that needs training and exchange of experiences. It is important to keep the practice of intercomparison and NKS continues to be the best framework for supporting this kind of activity.</p> |
| Key words | Whole body counting, measurement quality |