

X-ray Densitometry, Standardization (Literature Review and Experimental Data)

A. V. Petraikin¹, K. A. Sergunova¹, F. A. Petryaykin², E. S. Ahmad¹, D. S. Semenov¹,
A. V. Vladzimirskyy¹, L. A. Nizovtsova¹, S. P. Morozov¹

¹ Research and Practical Center of Medical Radiology, Department of Healthcare of Moscow

² M. V. Lomonosov Moscow State University, Faculty of Fundamental Medicine

Abstract

X-ray densitometry methods are aimed at the bone mineral density assessing and osteoporosis timely diagnostics. The literature review provides information on the problem of standardization and reproducibility of the results of quantitative measurements and descriptions of the lumbar vertebrae and the proximal femur phantoms. The results of our own experimental observations and comparisons of X-ray densitometry methods are also presented.

Key words: Densitometry, Reference Standards, Osteoporosis, Bone Density, Quantitative Computed Tomography, X-Ray Absorptiometry.

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Authors

Petraikin Alexey Vladimirovich, Ph. D. Med., Associate Professor, Senior Researcher, Research and Practical Center of Medical Radiology, Moscow Healthcare Department.

Address: 28-1, ul. Srednyaya Kalitnikovskaya, Moscow, 109029, Russia.
Phone number: +7 (495) 276-04-36. E-mail: alexeypetraikin@gmail.com

Sergunova Kristina Anatol'evna, Head of Technical Monitoring and QA Development Department, Research and Practical Center of Medical Radiology, Moscow Healthcare Department.

Address: 28-1, ul. Srednyaya Kalitnikovskaya, Moscow, 109029, Russia.
Phone number: +7 (905) 570-15-28. E-mail: sergunova@rpcmr.org.ru

Petryaykin Fedor Alekseevich, Student, Faculty of Fundamental Medicine, Lomonosov Moscow State University.

Address: 27-1, Lomonosovsky prospekt, 119192, Moscow, Russia.
Phone number: +7 (909) 934-32-66. E-mail: feda.petryaykin@gmail.com

Ahmad Ekaterina Sergeevna, Scientist Researcher of Technical Monitoring and QA Development, Research and Practical Center of Medical Radiology, Moscow Healthcare Department.

Address: 28-1, ul. Srednyaya Kalitnikovskaya, Moscow, 109029, Russia.
Phone number: +7 (977) 270-45-76. E-mail: e.ahmad@npcmr.ru

Semenov Dmitry Sergeevich, Scientist Researcher of Technical Monitoring and QA Development Department, Research and Practical Center of Medical Radiology, Moscow Healthcare Department.

Address: 28-1, ul. Srednyaya Kalitnikovskaya, Moscow, 109029, Russia.

Vladzimirskyy Anton Vjacheslavovich, M. D. Med., Deputy Director for Science, Research and Practical Center of Medical Radiology, Moscow Healthcare Department.

Address: 28-1, ul. Srednyaya Kalitnikovskaya, Moscow, 109029, Russia.
Phone number: +7 (495) 670-74-80. E-mail: a.vladzimirsky@npcmr.ru

Nizovtseva Lyudmila Arsenyevna, M. D. Med., Professor, Deputy Head of the Expert Department, Research and Practical Center of Medical Radiology, Moscow Healthcare Department.

Address: 28-1, ul. Srednyaya Kalitnikovskaya, Moscow, 109029, Russia.
Phone number: +7 (495) 670-74-80. E-mail: nizovzova@npcmr.ru

Morozov Sergey Pavlovich, M. D. Med., Professor, Director, Research and Practical Center of Medical Radiology, Moscow Healthcare Department.

Address: 28-1, ul. Srednyaya Kalitnikovskaya, Moscow, 109029, Russia.
Phone number: +7 (495) 678-54-95; +7 (495) 671-56-5. E-mail: npcmr@zdrav.mos.ru