

CONFORMANCE TESTING OF DIAGNOSTIC RADIOLOGY EQUIPMENT AND RADIATION PROTECTION

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One of accredited testing methods of Radiohygiene Testing Laboratory of NPHC NRDRR is “Conformance (compliance) testing of active diagnostic radiology equipment”. It means testing methods using X-radiation, contained in the relevant international (IEC=EN= MSZ EN) standards. Our Laboratory as an accredited subcontractor is able to perform these tests on request of a notified certification body. Manufacturers of diagnostic radiology equipment have to fulfil all requirements of safety and essential performance standards, moreover, in Europe, general requirements of Directive for Medical Devices. Since 2001 we tested radiography/radioscopy equipment and their some components as well as CT scanners, but our accreditation includes mammography, DSA and dental X-ray equipment, too. All tests serve – directly or indirectly – for radiation protection of patients (and through it also for that of the staff).

Our accreditation to conformance testing is made possible by our high-level measuring instrumentation as well as professional skill and continuous practice in measurements on diagnostic radiology equipment. Between 2005 and 2015 we performed 8 tests on products of Innomed Medical Corp., 5 on products of Mediso Ltd. and 1 on a product of Sedecal Hungary Ltd., on request of TÜV Rheinland InterCert Ltd. MEEI Division, moreover, 8 further tests on own initiation, for verifying our preparedness. According to our knowledge, there is no similar laboratory in the eastern half of Europe therefore our accreditation offers an advantageous testing possibility, mostly for Hungarian manufacturers.