

Whole-Body Counting

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Recent Publications on Whole-Body Counting:

- [Retrospective determination of the contamination in the HML's counting chambers.](#)
*The original documentation surrounding the purchase of the Human...*13th August, 2008
Human Monitoring Laboratory, Radiation Surveillance and Health Assessment- Health Phys. 2008 Sep;95(3):346-51. ([DOI Direct Link](#))
- [BOMAB phantom variability: do small dimensional changes matter?](#)
*The Human Monitoring Laboratory (HML) has had a number of BOMAB phantoms...*8th August, 2008
Human Monitoring Laboratory, Radiation Surveillance and Health Assessment- Health Phys. 2008 Jun;94(6):567-73. ([DOI Direct Link](#))
- [Myeloablative 131I-tositumomab radioimmunotherapy in treating non-Hodgkin's lymphoma: comparison of dosimetry based on whole-body retention and dose to critical organ receiving the highest dose.](#)
*Myeloablative radioimmunotherapy using (131)I-tositumomab (anti-CD20)...*22nd July, 2008
Department of Radiology, University of Washington, Seattle, Washington- J Nucl Med. 2008 May;49(5):837-44. Epub 2008 Apr 15. ([DOI Direct Link](#))
- [Expression of activated ATF-2, CREB and c-Myc in rat colon transversum after whole-body gamma-irradiation and its contribution to pathogenesis and biodosimetry.](#)
*PURPOSE: The purpose of our study is to examine phospho-ATF-2(Thr-69/71)...*17th July, 2008
Center of Advanced Studies, Faculty of Military Health Science, University- Int J Radiat Biol. 2008 Apr;84(4):315-24. ([DOI Direct Link](#))
- [Effect of mass, at a fixed height, on the counting efficiency of a BOMAB phantom in three types of whole body counter modeled by MCNP5.](#)
*Using demographic data, a series of BOMAB phantoms were developed to study...*12th July, 2008
Human Monitoring Laboratory, Radiation Surveillance and Health Assessment- Health Phys. 2008 Aug;95(2):234-40. ([DOI Direct Link](#))
- [Comparison of the St. Petersburg phantom with a BOMAB phantom in the ORTEC StandFast whole body counter: a Monte Carlo simulation.](#)
*Three sizes of the St. Petersburg phantom have been compared to six sizes...*27th June, 2008
Human Monitoring Laboratory, Radiation Surveillance and Health Assessment- Health Phys. 2008 May;94(5 Suppl 2):S78-82. ([DOI Direct Link](#))
- [Antibody mass escalation study in patients with castration-resistant prostate cancer using 111In-J591: lesion detectability and dosimetric projections for 90Y radioimmunotherapy.](#)
*J591, a monoclonal antibody that targets the external domain of the...*17th June, 2008
Nuclear Medicine Service, Department of Radiology, Memorial- J Nucl Med. 2008 Jul;49(7):1066-74. Epub 2008 Jun 13. ([DOI Direct Link](#))

- [An analysis of dependency of counting efficiency on worker anatomy for in vivo measurements: whole-body counting.](#)
*In vivo radiobioassay is integral to many health physics and radiological...*13th June, 2008
Nuclear Engineering and Engineering Physics, Rensselaer Polytechnic- Phys Med Biol. 2008 Jul 7;53(13):3463-75. Epub 2008 Jun 11. ([DOI Direct Link](#))
- [Monte Carlo determination of radiation-induced cancer risks for prostate patients undergoing intensity-modulated radiation therapy.](#)
*The application of intensity-modulated radiation therapy (IMRT) has...*5th June, 2008
Cancer Therapy and Research Center, San Antonio, Texas, USA.- J Appl Clin Med Phys. 2007 Sep 17;8(4):2685.
- [Exposure of medical personnel to radiation during radionuclide therapy practices.](#)
*OBJECTIVES: Radioisotopes that emit beta radiation are used for the...*21st May, 2008
Unite de Radiopharmacie, CHU Timone, Marseille, France.- Nucl Med Commun. 2008 Apr;29(4):405-10. ([DOI Direct Link](#))
- [Whole-body biodistribution and radiation dosimetry of the human cannabinoid type-1 receptor ligand 18F-MK-9470 in healthy subjects.](#)
*The cannabinoid type-1 (CB1) receptor is one of the most abundant...*17th May, 2008
Division of Nuclear Medicine, University Hospital and K.U.Leuven, Leuven,- J Nucl Med. 2008 Mar;49(3):439-45. Epub 2008 Feb 20. ([DOI Direct Link](#))
- [1-11C-methyl-4-piperidiny-N-butyrate radiation dosimetry in humans by dynamic organ-specific evaluation.](#)
*Deficits of cholinergic neurotransmission contribute to various neurologic...*17th May, 2008
Turku University Hospital, Turku PET Centre, Turku, Finland.- J Nucl Med. 2008 Mar;49(3):347-53. Epub 2008 Feb 20. ([DOI Direct Link](#))
- [The NORMAN phantom vs. the BOMAB phantom: are they different?](#)
*This paper describes the implementation of the NORMAN phantom with the...*16th May, 2008
Human Monitoring Laboratory, Radiation Surveillance and Health Assessment- Health Phys. 2008 Apr;94(4):355-61. ([DOI Direct Link](#))
- [Calculation of organ doses in x-ray examinations of premature babies.](#)
*Lung disease represents one of the most life-threatening conditions in...*1st May, 2008
University Hospitals of Leuven, Herestraat 49, Leuven 3000, Belgium.- Med Phys. 2008 Feb;35(2):556-68.
- [Radioiodine labeled anti-MIF McAb: a potential agent for inflammation imaging.](#)
*Macrophage migration inhibitory factor (MIF) is a proinflammatory cytokine...*25th March, 2008
Department of Nuclear Medicine, Qilu Hospital of Shandong University,- Mediators Inflamm. 2007;2007:50180. ([DOI Direct Link](#))

Whole-Body Counting Patents:



- 7176466- [Multi-dimensional image reconstruction](#)
- 7144865- [Compositions and methods for treating obesity](#)
- 6492180- [Non-invasive transdermal detection of analytes](#)
- 6274564- [Compositions of cobalamin and related corrinoids, and uses thereof](#)
- 4639600- [Radiation detector](#)

- 4202876- [Investigating body function](#)

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