

**CURRICULUM VITAE**



**Personal information**

First name(s) / Surname(s)  
Address(es)  
Telephone(s)  
Fax  
E-mail  
Nationality  
Date of birth  
Fiscal Code

MARCO BRAMBILLA

**Didactic**

Dates  
organisation providing education  
school  
teaching  
  
Dates  
organisation providing education  
school  
teaching  
  
Dates  
organisation providing education  
school  
teaching

2005 – today  
University of Eastern Piedmont  
Degree of Technologist  
Technology of radiodiagnostic equipments  
  
2003 – today  
University of Torino  
Specialization in Medical Physics  
Radioprotection  
  
1999 – today  
University of Eastern Piedmont  
Specialization in Radiology – Radiotherapy - Cardiology  
Radioprotection

**Work experience**

Dates  
Occupation or position held  
Name and address of employer  
  
Dates  
Occupation or position held  
Name and address of employer  
  
Dates  
Occupation or position held  
Name and address of employer  
  
Dates  
Occupation or position held  
Name and address of employer  
  
Dates  
Occupation or position held  
Name and address of employer

2010 – today  
Head – Regional Department of Medical Physics  
University Hospital of Novara and 6 provincial general hospitals  
  
2001 – 2009  
Head - Department of Medical Physics  
University Hospital of Novara  
  
1991 – 2000  
Medical Physicist - Department of Nuclear Medicine  
University Hospital of Novara  
  
2009 – today  
Radiation Protection Expert  
Hospitals of Verbania and Domodossola  
  
2008 – today  
Radiation Protection Expert – Department of Radiotherapy  
Hospital of Vercelli

Dates 2007 – today  
 Occupation or position held Radiation Protection Expert – Department of Radiotherapy  
 Name and address of employer Hospital of Biella

Dates 1998 – today  
 Occupation or position held Radiation Protection Expert  
 Name and address of employer University of Eastern Piedmont “Amedeo Avogadro”

Dates 1997 – today  
 Occupation or position held Radiation Protection Expert  
 Name and address of employer University Hospital of Novara

Dates 1994 – today  
 Occupation or position held Member of Provincial Commission on Radioprotection  
 Name and address of employer Province of Novara

**Education and training**

Dates 1997  
 Title of qualification awarded Specialist in Health Statistics  
 Name and type of organisation providing education and training University of Milan

Dates 1993  
 Title of qualification awarded Specialist in Medical Physics  
 Name and type of organisation providing education and training University of Milan

Dates 1988  
 Title of qualification awarded Physics degree  
 Name and type of organisation providing education and training University of Milan

**Personal skills and competences**

Mother tongue(s) **ITALIAN**

Other language(s) English - French

Self-assessment

*European level (\*)*

Language

Language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
E	B1		C1	E	B2		B2	E	C1
F	B1		B1	F	B1		B1	F	B1

**FELLOWSHIPS**

Dates 1989 - 1991  
 Occupation or position held Fellow  
 Name and address of employer Department of Medical Physics  
 National Institute of Tumours - INT- Milano

Dates 1991  
 Occupation or position held Fellow  
 Name and address of employer Nuclear Cardiology - Health Sciences Center  
 University of Virginia (USA)

**Additional information**

2002-2006 Board of AIFM (Italian Association of Medical Physics)  
 2009- today Editorial Board Physica Medica EJMP  
 2012 –today Secretary General of the European Federation of Medical Physics Organizations

**List of publications *in extenso* of the last 5 years:**

**Author of 60 articles in extenso on peer-reviewed national and international journals and book chapters.**

1. Matheoud R, Secco C, Monica PD, Leva L, Sacchetti G, Inglese E, Brambilla M. The effect of activity outside the field of view on image quality for a 3D LSO-based whole body PET/CT scanner. *Phys Med Biol* 2009 54: 5861-5872
2. Krengli M, Milia ME, Turri L, Mones E, Bassi M C, Cannillo B, Deantonio L, Sacchetti G, Brambilla M, Inglese E. FDG-PET/CT imaging for staging and target volume delineation in conformal radiotherapy of anal carcinoma. *Radiat Oncol* 2010 5:10.
3. Matheoud R, Della Monica P, Secco C, Loi G, Krengli M, Inglese E, Brambilla M Influence of different contributions of scatter and attenuation on the threshold values in contrast-based algorithms for volume segmentation. *Phys Med* 2011 27: 44-51
4. Stecco A, Pisani C, Quarta R, Brambilla M, Masini L, Beldi D, Zizzari S, Fossaceca R, Krengli M, Carriero A. DTI and PWI analysis of peri-enhancing tumoral brain tissue in patients treated for glioblastoma. *J Neurooncol*. 2011;102:261-71
5. Matheoud R, Leva L, Secco C, Sacchetti G, Della Monica P, Brambilla M, Inglese E. Small lesions detectability with the Biograph 16 Hi-Rez PET/CT scanner and fast imaging protocols: performance evaluation using an anthropomorphic thoracic phantom and ROC analyses. *Ann Nucl Med*. 2011;25:179-88.
6. Vigna L, Matheoud R, Ridone S, Arginelli D, Della Monica P, Rudoni M, Inglese E, Brambilla M. Characterization of the [(153)Sm]Sm-EDTMP pharmacokinetics and Estimation of radiation absorbed dose on an individual Basis. *Phys Med*. 201;27:144-52.
7. Brambilla M, Occhetta E, Ronconi M, Plebani L, Carriero A, Marino P. Reducing operator radiation exposure during cardiac resynchronization therapy. *Europace* 2010 12:1769-73.
8. Krengli M, Cannillo B, Turri L, Bagnasacco P, Berretta L, Ferrara T, Galliano M, Gribaudo S, Melano A, Munoz F, Sciacero P, Tseroni V, Bassi MC, Brambilla M, Inglese E. Target volume delineation for preoperative radiotherapy of rectal cancer: inter-observer variability and potential impact of FDG-PET/CT imaging. *Technol Cancer Res Treat*. 2010 9:393-8.
9. De Mauri A, Brambilla M, Chiarinotti D, Matheoud R, Carriero A, De Leo M. Estimated radiation exposure from medical imaging in hemodialysis patients. *J Am Soc Nephrol*. 2011;22:571-8.
10. Matheoud R, Della Monica P, Loi G, Vigna L, Krengli M, Inglese E, Brambilla M. Influence of reconstruction settings on the performance of adaptive thresholding algorithms for FDG-PET image segmentation in radiotherapy planning. *J Appl Clin Med Phys*. 2011;12:3363.
11. Matheoud R, Goertzen AL, Vigna L, Ducharme J, Sacchetti G, Brambilla M. Five-year experience of quality control for a 3D LSO-based whole-body PET scanner: results and considerations. *Phys Med*. 2012;28:210-20.
12. Magnani A, Matheoud R, Brambilla M, Valzano S, Occhetta E, Marino P, Balbo P. In vitro tests of electromagnetic interference of electromagnetic navigational bronchoscopy to implantable cardioverter defibrillators. *Europace*. 2012;14:1054-9.
13. Leva L, Brambilla M, Cavallino C, Matheoud R, Occhetta E, Marino P, Inglese E. Reproducibility and variability of global and regional dyssynchrony parameters derived from phase analysis of gated myocardial perfusion SPECT. *Q J Nucl Med Mol Imaging*. 2012;56:209-17.
14. Fossaceca R, Brambilla M, Guzzardi G, Cerini P, Renghi A, Valzano S, Brustia P, Carriero A. The impact of radiological equipment on patient radiation exposure during endovascular aortic aneurysm repair. *Eur Radiol*. 2012;22:2424-31.
15. De Mauri A, Brambilla M, Izzo C, Matheoud R, Chiarinotti D, Carriero A, Stratta P, De Leo M. Cumulative radiation dose from medical imaging in kidney transplant patients. *Nephrol Dial Transplant*. 2012;27:3645-51.
16. Leva L, Brambilla M, Matheoud R, Vigna L, Marino P, Inglese E. The relationship between quantitative perfusion and functional results and acquisition time with reduced administered activity for 99mTc tetrofosmin myocardial gated- SPECT. *Clin Nucl Med*. 2012;37:e162-9.
17. Stecco A, Fabbiano F, Amatuzzo P, Cignini E, Brambilla M, Masini L, Krengli M, Carriero A. Perfusion computed tomography assessments of peri-enhancing brain tissue in high-grade gliomas. *Radiol Med*. 2013;118:431-43.

18. Stecco A, Lombardi M, Leva L, Brambilla M, Negru E, Delli Passeri S, Carriero A. Diagnostic accuracy and agreement between whole-body diffusion MRI and bone scintigraphy in detecting bone metastases. *Radiol Med.* 2013;118:465-75.
19. Deantonio L, Masini L, Brambilla M, Pia F, Krengli M. Dysphagia after definitive radiotherapy for head and neck cancer. Correlation of dose-volume parameters of the pharyngeal constrictor muscles. *Strahlenther Onkol.* 2013;189:230-6.
20. Ridone S, Matheoud R, Valzano S, Di Martino R, Vigna L, Brambilla M. Permeability of gloves used in nuclear medicine departments to [99mTc]-pertechnetate and [18F]-fluorodeoxyglucose: Radiation protection considerations. *Phys Med.* 2013;29:545-8.
21. Brambilla M, De Mauri A, Leva L, Carriero A, Picano E. Cumulative radiation dose from medical imaging in chronic adult patients. *Am J Med.* 2013;126:480-6.
22. Stecco A, Guenzi E, Cascone T, Fabbiano F, Fornara P, Oronzo P, Grassi FA, Cecchi G, Caniggia M, Brambilla M, Carriero A. MRI can assess glenoid bone loss after shoulder luxation: inter- and intra-individual comparison with CT. *Radiol Med.* 2013;118:1335-43.
23. Krengli M, Masini L, Caltavuturo T, Pisani C, Apicella G, Negri E, Deantonio L, Brambilla M, Gambaro G. Prone versus supine position for adjuvant breast radiotherapy: a prospective study in patients with pendulous breasts. *Radiat Oncol.* 2013 Oct 8;8(1):232.
24. Brambilla M, De Mauri A, Lizio D, Leva L, Carriero A, Carpeggiani C, Picano E. Cumulative radiation dose estimates from medical imaging in paediatric patients with non-oncologic chronic illnesses. A systematic review. *Phys Med.* 2014 ;30:403-12.
25. Zoccarato O, Scabbio C, De Ponti E, Matheoud R, Leva L, Morzenti S, Menzaghi M, Campini R, Marcassa C, Del Sole A, Garancini S, Crivellaro C, Brambilla M, Lecchi M. Comparative analysis of iterative reconstruction algorithms with resolution recovery for cardiac SPECT studies. A multi-center phantom study. *J Nucl Cardiol.* 2014;21:135-48.
26. Brambilla M, De Mauri A, Lizio D, Matheoud R, De Leo M, Carriero A. Estimated radiation risk of cancer from medical imaging in haemodialysis patients. *Nephrol Dial Transplant.* 2014;29:1680-6.
27. Brambilla M, Cerini P, Lizio D, Vigna L, Carriero A, Fossaceca R. Cumulative radiation dose and radiation risk from medical imaging in patients subjected to endovascular aortic aneurysm repair. *Radiol Med.* 2015 Jan 9. [Epub ahead of print]

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Marco Brambilla

