Codice Fiscale: BRMMRC62B09I690Y

CURRICULUM VITAE



Personal information

First name(s) / Surname(s)	MARCO BRAMBILLA
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Nationality	Italian
Date of birth	09 Febbraio 1962
Fiscal Code	BRMMRC62B09I690Y

Didactic

Dates	2015 – today
organisation providing education	University of Eastern Piedmont
school	MSc Radwaste mangement
teaching	Radioprotection Legislation – Vice Director
Dates	2013 – today
organisation providing education	European Federation of Organisations for Medical Physics
school	European School for Medical Physics Experta
teaching	Chair of the School
Dates	2005 – today
organisation providing education	University of Eastern Piedmont
school	Degree of Technologist
teaching	Technology of radiodiagnostic equpiments
Dates	2003 – today
organisation providing education	University of Torino
school	Specialization in Medical Physics
teaching	Radioprotection
Dates	1999 – today
organisation providing education	University of Eastern Piedmont
school	Specialization in Radiology – Radiotherapy - Cardiology
teaching	Radioprotection

Work experience

Dates	2010 – today
Occupation or position held	Head – Regional Department of Medical Physics
Name and address of employer	University Hospital of Novara and 6 provincial general hospitals
Dates	2001 – 2009
Occupation or position held	Head - Department of Medical Physics
Name and address of employer	University Hospital of Novara
Dates	1991 – 2000

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Occupation or position held	Medical Physicist - Department of Nuclear Medicine
Name and address of employer	University Hospital of Novara
Dates	2009 – today
Occupation or position held	Radiation Protection Expert
Name and address of employer	Hospitals of Verbania and Domodossola
Dates	2008 – today
Occupation or position held	Radiation Protection Expert – Department of Radiotherapy
Name and address of employer	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	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
Language	E	B1		C1	E	B2		B2	E	C1
Language	F	B1		B1	F	B1		B1	F	B1

FELLOWSHIPS

Dates	1989 - 1991
Occupation or position held	Fellow

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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 –2017 Secretary General of the European Federation of Medical Physics Organizations 2018 – today President of the European Federation of Medical Physics Organizations

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

Author of 76 articles in extenso on peer-reviewed national and international journals and book chapters.

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 2013;29:545-8.
- 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.
- 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.
- 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.
- 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.

- 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.
- 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.
- 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 Radiol Med. 2015 Jun;120(6):563-70. doi: 10.1007/s11547-014-0485-x.
- Brambilla M, Matheoud R, Basile C, Bracco C, Castiglioni I, Cavedon C, Cremonesi M, Morzenti S, Fioroni F, Giri M, Botta F, Gallivanone F, Grassi E, Pacilio M, De Ponti E, Stasi M, Pasetto S, Valzano S, Zanni D. An Adaptive Thresholding Method for BTV Estimation Incorporating PET Reconstruction Parameters: A Multicenter Study of the Robustness and the Reliability. Comput Math Methods Med. 2015;2015:571473. doi: 10.1155/2015/571473.
- Deantonio L, Milia ME, Cena T, Sacchetti G, Perotti C, Brambilla M, Turri L, Krengli M. Anal cancer FDG-PET standard uptake value: correlation with tumor characteristics, treatment response and survival. Radiol Med. 2016 Jan;121(1):54-9. doi: 10.1007/s11547-015-0562-9.
- Carpeggiani C, Rossi G, Landi P, Michelassi C, Brambilla M, Cortigiani L, Picano E. Long-term outcome and medical radiation exposure in patients hospitalized for cardiovascular disease Int J Cardiol. 2015 Sep 15;195:30-6. doi: 10.1016/j.ijcard.2015.05.080.
- Zoccarato O, Lizio D, Savi A, Indovina L, Scabbio C, Leva L, Del Sole A, Marcassa C, Matheoud R, Lecchi M, Brambilla M. Comparative analysis of cadmium-zincum-telluride cameras dedicated to myocardial perfusion SPECT: A phantom study. J Nucl Cardiol 2015. July 2. Epub ahead of print
- Pisani C, Deantonio L, Surico D, Brambilla M, Galla A, Ferrara E, Masini L. Quality of life in patients treated by adjuvant radiotherapy for endometrial and cervical cancers: correlation with dose-volume parameters. Clin Transl Oncol. 2015 Nov 25. [Epub ahead of print]
- Stecco A, Ciolfi S, Buemi F, Cassarà A, Sacchetti GM, Brambilla M, Carriero A. Combined multimodal co-registration of PET/CT and MRI images increases diagnostic accuracy in squamous cell carcinoma staging. Radiol Med. 2016 Jan 11. [Epub ahead of print]
- Matheoud R, Lecchi M, Lizio D, Scabbio C, Marcassa C, Leva L, Del Sole A, Rodella C, Indovina L, Bracco C, Brambilla M, Zoccarato O. Comparative analysis of iterative reconstruction algorithms with resolution recovery and time of flight modeling for 18F-FDG cardiac PET: A multi-center phantom study. J Nucl Cardiol. 2017 Jun;24(3):1036-1045.

De Mauri A, Matheoud R, Carriero A, Lizio D, Chiarinotti D, Brambilla M. Radiation exposure from medical imaging in dialyzed patients undergoing renal pre-transplant evaluation. J Nephrol. 2017 Feb;30(1):141-146.

New President of the European federation of organizations in Medical Physics.
Brambilla M.
Phys Med. 2018 Jan 10. pii: S1120-1797(18)30002-4. doi: 10.1016/j.ejmp.2018.01.002. [Epub ahead of print] No abstract available.

Conversion factors of effective and equivalent organ doses with the air kerma area product in patients undergoing coronary angiography and percutaneous coronary interventions.
Brambilla M, Cannillo B, Matheoud R, Compagnone G, Rognoni A, Bongo AS, Carriero A.
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1st European Congress of Medical Physics September 1-4, 2016; Medical Physics innovation and vision within Europe and beyond.
Tsapaki V, Kagadis GC, **Brambilla M**, Ciocca M, Clark CH, Delis H, Mettivier G.
Phys Med. 2017 Sep;41:1-4. doi: 10.1016/j.ejmp.2017.07.001. Epub 2017 Jul 11.

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Brambilla M, Lecchi M, Matheoud R, Leva L, Lucignani G, Marcassa C, Zoccarato O.
Phys Med. 2017 Sep;41:109-116. doi: 10.1016/j.ejmp.2017.03.008. Epub 2017 Mar 23. Review.

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Carpeggiani C, Picano E, **Brambilla M**, Michelassi C, Knuuti J, Kauffman P, Underwood SR, Neglia D; EVINCI Study Investigators.

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De Mauri A, Torreggiani M, **Brambilla M**, Chiarinotti D.
Ther Apher Dial. 2017 Apr;21(2):150-156. doi: 10.1111/1744-9987.12507. Epub 2017 Feb 14.

Three-dimensional surface and ultrasound imaging for daily IGRT of prostate cancer.
Krengli M, Loi G, Pisani C, Beldì D, Apicella G, Amisano V, **Brambilla M**.
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Three-dimensional surface imaging for detection of intra-fraction setup variations during radiotherapy of pelvic tumors.
Apicella G, Loi G, Torrente S, Crespi S, Beldì D, **Brambilla M**, Krengli M.
Radiol Med. 2016 Oct;121(10):805-10. doi: 10.1007/s11547-016-0659-9. Epub 2016 Jun 14.

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Zoccarato O, Marcassa C, Lizio D, Leva L, Lucignani G, Savi A, Scabbio C, Matheoud R, Lecchi M, **Brambilla M**.
J Nucl Cardiol. 2017 Oct;24(5):1626-1636. doi: 10.1007/s12350-016-0500-9. Epub 2016 May 27.

Hypofractionated radiation therapy for breast cancer: long-term results in a series of 85 patients.
Deantonio L, Cozzi S, Tunesi S, **Brambilla M**, Masini L, Pisani C, Gambaro G, Magnani C, Krengli M.
Tumori. 2016 Aug 3;102(4):398-403. doi: 10.5301/tj.5000511. Epub 2016 May 26.

The European Federation of Organisations for Medical Physics. Policy Statement No. 7.1: The roles, responsibilities and status of the medical physicist including the criteria for the staffing levels in a Medical Physics Department approved by EFOMP Council on 5th February 2016.
Evans S, Christofides S, **Brambilla M**.
Phys Med. 2016 Apr;32(4):533-40. doi: 10.1016/j.ejmp.2016.03.001.

The (68)Ge phantom-based FDG-PET site qualification program for clinical trials adopted by FIL (Italian Foundation on Lymphoma).
Chauvie S, Bergesio F, Fioroni F, **Brambilla M**, Biggi A, Versari A, Guerra L, Storto G, Musto P, Luminari S, Cabras MG, Balzarotti M, Rigacci L, Martelli M, Vitolo U, Federico M, Gallamini A.
Phys Med. 2016 May;32(5):651-6. doi: 10.1016/j.ejmp.2016.04.004. Epub 2016 Apr 28.

Comparison of retrospective PET and MRI-DWI (PET/MRI-DWI) image fusion with PET/CT and MRI-DWI in detection of cervical and endometrial cancer lymph node metastases.
Stecco A, Buemi F, Cassarà A, Matheoud R, Sacchetti GM, Arnulfo A, **Brambilla M**, Carriero A.
Radiol Med. 2016 Jul;121(7):537-45. doi: 10.1007/s11547-016-0626-5. Epub 2016 Mar 31.

Il/La sottoscritto/ a Marco Brambilla

consapevole che le dichiarazioni false comportano l'applicazione delle sanzioni penali previste dall'art. 76 del

D.P.R. 445/2000, dichiara che le informazioni riportate nel seguente curriculum vitae, redatto in formato europeo,

corrispondono a verità:

Novara 23/01/2018

Marco Brambilla

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