Europass Curriculum Vitae

Personal information

Surname(s) / First name(s)	**Traino Antonio**
Address(es)	
Telephone(s)	050992957 Mobile:
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E-mail	c.traino@ao-pisa.toscana.it
Nationality	Italian
Date of birth	21.02.1961
Gender	Male

Desired employment / Occupational field

Medical Physics (Dosimetry in Nuclear Medicine Therapy, Radiation Protection, Radiology)

Work experience

Dates	01.01.2010 – still working
Occupation or position held	Director of the U.O.Fisica Sanitaria – Azienda Ospedaliero-Universitaria Pisana
Main activities and responsibilities	Research in the fields of: dosimetry in Nuclear Medicine therapy (131I therapy of hyperthyroidism and thyroid cancer; radioembolization with ^{90}Y and ^{166}Lu microspheres); radiation protection; TL dosimetry. Professional activity: Organization and direction of the Unit (4 Medical Physicists, 6 TSRM, 1 administrative); Responsible of Radiation Protection in the University Hospital of Pisa, Tuscany Foundation Gabriele Monasterio-Pisa, Clinical Physiologi Institute of National Research Council-Pisa Teaching activity at the University of Pisa: courses in Radiology post-degree specialization school and in Medical Physics post-degree specialization school. Supervision of theses in Medical Physics and Nuclear Engineering
Dates	06.02.2004 – 01.01.2010
Occupation or position held	Responsible of the Medical Physics Section in the U.O.Fisica Sanitaria
Main activities and responsibilities	Research in the fields of: dosimetry in Nuclear Medicine therapy (131I therapy of hyperthyroidism and thyroid cancer); radiation protection; TL dosimetry. Professional activity: treatment planning in external radiotherapy (conventional, IORT, stereotactic; brachytherapy); quality assurance in radiodiagnotics; quality assurance in nuclear medicine; Teaching activity at the University of Pisa: courses in Radiology post-degree specialization school and in Medical Physics post-degree specialization school
Name and address of employer	Azienda Ospedaliero-Universitaria Pisana, 57, via Roma, I-56125 Pisa (Italy)
Type of business or sector	University Hospital
Dates	15.03.1993 – 06.02.2004
Occupation or position held	Medical Physicist in the Health Physics Unit
Main activities and responsibilities	Research in the fields of: dosimetry in radionuclide therapy (131I therapy of hyperthyroidism and thyroid cancer); radiation protection; TL dosimetry. Professional activity: treatment planning in external radiotherapy (conventional, IORT, stereotactic; brachytherapy); quality assurance in radiodiagnotics; quality assurance in nuclear medicine
Name and address of employer	Azienda Ospedaliero-Universitaria Pisana, 57, via Roma, I-56125 Pisa (Italy)
Type of business or sector	University Hospital

Education and training

Dates	26.04.1994
Title of qualification awarded	Post degree Specialization in Medical Physics
Principal subjects/occupational skills covered	Particles physics, Dosimetry, Statistics, Computer sciences, Medical physics in radiotherapy, nuclear medicine and radiology, Radiation protection
Name and type of organisation providing education and training	Università di Pisa
Level in national or international classification	ISCED 6
Dates	21.11.1990
Title of qualification awarded	Degree in general Physics
Principal subjects/occupational skills covered	General Physics (Mechanics, Thermodinamics, Electromagnetism), Mathematics and mathematical methods in physics, Quantum mechanics, Structure of matter, Solid state physics
Name and type of organisation providing education and training	Università di Pisa
Level in national or international classification	ISCED 5A

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English**

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C1		C2		C1		C1		C2	

(*) Common European Framework of Reference for Languages

Additional information

Past member of the Italian Health Ministry expert group for the “Continue Education in Medicine” program

Participation in three expert missions for the International Atomic Energy Agency (IAEA) (“Audit of Nuclear Medicine facilities”, South Africa July, 23-August, 7 2005; “Internal dosimetry in radiometabolic therapy”, Costa Rica February, 6-12, 2006; "Supporting human resource qualification and diffusion of quantitative emission tomography to improve management of patients: Fundamentals of radiopharmaceutical Dosimetry " Universidade de Sao Paulo USP; Centro de Medicina Nuclear, São Paulo, Brazil , September 2-5, 2013)

Chief Scientific Investigator of the IAEA Technical Project: “Organ dosimetry and professional technical support to CRP.E1.30.33 during phase I/II clinical trial”, concerning the use of ^{177}Lu in the therapy of bone metastasis from prostate tumour. The project ended in March 2012.

From 5 t0 16 May 2014 invited lecturer at University of Malta

Associate Editor on papers for Medical Physics, AAPM, USA

Referee: European Journal of Nuclear Medicine and Molecular Imaging
Health Physics Journal
Physics In Medicine and Biology
AAPS Journal
Computer Methods & Programs in Biomedicine
Thyroid
Quarterly Journal of Nuclear Medicine and Molecular Imaging
Clinical and Experimental Medicine
Plos One
Physica Medica
Current Oncology
Radiation Physics and Chemistry

Member of the Council of the Italian Association of Medical Physics (AIFM) Years: 2007-2011.

Member as Medical Physics Expert of the Tuscany Regional Commission of Radiation Protection Years (2013-2019)

Radiation Protection Expert (RPE) for Radiation Protection (n.692-III of the list)

Participation to many national and international meetings of Medical Physics as chairman or invited speaker.

Annexes

List of publications

ANNEX:

LIST OF PUBLICATIONS IN INTERNATIONAL IMPACTED JOURNALS

R.Moretti, M.Galelli, A.C.Traino : " Resampling algorithms for diagnostic radiology ", Comp Met & Progr Biomed 36:191-197 (1991).

A.C.Traino, L.Tana, M.Tosetti, M.Lazzeri: “Computer-assisted combined management of physical radiation protection and qualità control of X-ray diagnostic equipment”, Radiol Med 87: 694-698 (1994).

A.C.Traino, F.Perrone, C.Luperini, L.Tana, M.Lazzeri, F.d’Errico: “Influence of background exposure on TLD minimum dose detection and determination limits”, Radiat Prot Dosim 78, 257-262 (1998).

S.Puccini, A.C.Traino, M.Ferdeghini, L.Bodei, M.Lazzeri: “Study and implementation of a computerized program for personalized prescriptions for patients treated with radioiodine to be discharged”, Radiol Med 97:279-285 (1999).

A.Cilotti, C.Marini, A.Marinari, N.Armillotta, A.C.Traino, A.Falleni: “Correlation of ultrasound and galactography in the diagnosis of nipple discharge. Preliminary results”, Radiol Med 98:248-254 (1999).

A.C.Traino, F.Di Martino, M.Lazzeri, M.G.Stabin: “Influence of thyroid volume reduction on calculated dose in radioiodine therapy of Graves’ hyperthyroidism”, Phys Med Biol 45:121-129 (2000).

F.Di Martino, A.C.Traino, M.G.Stabin, F.Lippi, A.Campomori, M.Ferdeghini, B.Alberti, L.Bartalena, P.Vitti, M.Lazzeri, A.Pinchera, E.Martino: "A mathematical model of thyroid mass reduction after radioiodine therapy of Graves' disease", Phys Med 16:127-136 (2000).

F.Lippi, M.Capezzone, P.Miccoli, C.Traino, F.Di Martino, F.Angelini, C.Spinelli, P.Iacconi, A.Pinchera, F.Pacini: "Use of surgical gamma probe for the detection of limph node metastases in differentiated thyroid cancer", Tumori 86:367-369 (2000).

C.Marini, A.Cilotti, A.C.Traino, C.R.Bellina, M.Grosso, N.Armillotta, D.Volterrani, C.Bartolozzi: “Tc99m-Sestamibi scintimammography in the differentiation of benign and malignant breast microcalcification”, the Breast 10:306-312 (2001).

A.C.Traino, F.Di Martino, M.Lazzeri, M.G.Stabin: “Study of the correlation between administered activity and radiation committed dose to the thyroid in ^{131}I therapy of Graves’ disease”, Rad Prot Dosim 95:117-124 (2001).

F. Di Martino, A.C.Traino, A.B.Brill, M.G.Stabin, M.Lazzeri: “A theoretical model for prescription of the patient-specific therapeutic activity for radioiodine therapy of Graves' disease”, Phys Med Biol 47:1493-1501 (2002).

F.Bogazzi, L.Bartalena, A.Campomori, S.Brogioni, C.Traino, F.Di Martino, G.Rossi, F.Lippi, A.Pinchera, E.Martino: “Treatment with lithium prevents serum thyroid hormone increase after thionamide withdrawal and radioiodine therapy in patients with Graves’ disease”, J Clin Endocr Metab 87:4490-4495 (2002).

C.Marini, A.C.Traino, A.Cilotti, M.Roncella, G.Campori, C.Bartolozzi: “Differentiation of benign and malignant breast microcalcifications: mammography versus mammography-sonography combination”, Radiol Med 105:17-26 (2003)

M.Ballardin, R.Barsacchi, L.Bodei, N.Caraccio, R.Cristofani, F.Di Martino, M.Ferdeghini, C.Kusmic, G.Madeddu, F.Monzani, A.M.Rossi, I.Sbrana, A.Spanu, C.Traino, R.Barale: “Oxidative and genotic damage after radio-iodine therapy of Graves’ hyperthyroidism”, Int J Radiat Biol 80:209-216 (2004).

A.C.Traino, F.Di Martino, G.Boni, G.Mariani, M.Lazzeri: “A minimally invasive method to evaluate ^{131}I kinetics in blood”, Radiat Prot Dosimetry 109: 249-252 (2004).

A.C.Traino, F.Di Martino, M.Lazzeri: “A dosimetric approach to patient-specific radioiodine treatment of Graves’ disease with incorporation of treatment induced changes in thyroid mass”, Med Phys. 31: 2121-2127 (2004).

A.C.Traino, F.Di Martino, M.Grosso, F.Monzani, A.Dardano, N.Caraccio, G.Mariani, M.Lazzeri: “A predictive mathematical model for the calculation of the final mass of Graves’ disease thyroids treated with ^{131}I”, Phys Med Biol 50:2181-2191 (2005).

F.Di Martino, M.Giannelli, A.C.Traino, M.Lazzeri: “Ion recombination correction for very high dose-per-pulse high-energy electron-beams”, Med Phys, 32:2204-2210 (2005).

M.Grosso, A.Traino, G.Boni, E.Banti, M.Della Porta, G.Manca, D.Volterrani, S.Chiacchio, A.AlSharif, E.Borsò, R.Raschillà, F.Di Martino, G.Mariani: “Comparison of different thyroid committed doses in radioiodine therapy for Graves’ hyperthyroidism”, Cancer Biother Radiopharm 20: 218-223 (2005)

R.Elisei, A.Vivaldi, R.Ciampi, P.Faviana, F.Basolo, F.Santini, C.Traino, F.Pacini, A.Pinchera: “Treatment with drugs able to reduce iodine efflux significantly increases the intracellular retention time in thyroid cancer cells stably transfected with sodium iodide symporter (nis) cdna”, J Clin Endocrinol Metab. 91(6): 2389-2395 (2006)

A.C.Traino, F.Di Martino, M.Grosso, F.Monzani, A.Dardano, N.Caraccio, G.Mariani, M.Lazzeri: “A study of the possibility of curing Graves' disease based on the desired reduction of thyroid mass (volume) as a consequence of 131I therapy:a speculative paper”, Nucl Med Commun 27:439-446 (2006)

I.Dallan, L.Bruschini, A.Nacci, P.Bruschini, C.Traino, F.Rognini, B.Fattori: “Transtympanic steroids as a salvage therapy in sudden hearing loss: preliminary results”, ORL J Otorhinolaryngol Relat Spec 68(5):247-252 (2006)

R.Scarpato, A.Antonelli, M.Ballardin, M.Cipollini, P.Fallahi, A.Tomei, C.Traino, R.Barale: “Analysis of chromosome damage in circulating lymphocytes of radiological workers affected by thyroid nodules”, Mutat Res 14: 606(1-2) 21-26 (2006)

I.Dallan, L.Bruschini, A.Nacci, B.Fattori, A.C.Traino, F.Rognini, G.Ferraro, P.Bruschini: “Transtympanic steroids in refractory sudden hearing loss. Personal experience”, Acta Otorhinolaryngol Ital 26: 14-19 (2006)

A.Vaiano, A.C.Traino, G.Boni, M.Grosso, P.Lazzeri, C.Colato, M.V.Davì, G.Francia, M.Lazzeri, G.Mariani, M.Ferdeghini: “Comparison between remnant and red marrow absorbed dose in thyroid cancer patients submitted to ^{131}I ablative therapy after rh-TSH stimulation versus hypothyroidism induced by L-thyroxine withdrawal”, Nucl Med Comm, 28(3): 215-223 (2007)

M.Ballardin, A.Antonelli, M.Cipollini, P.Fallahi, R.Scarpato, A.Tomei, C.Traino, R.Barale: “Induction of chromatid-type aberrations in peripheral lymphocytes of hospital workers exposed to very low doses of radiation”, Mutat Res 626 (1-2):61-68 (2007)

A.C.Traino, F.Di Martino: “A dosimetric algorithm for patient-specific ^{131}I therapy of thyroid cancer based on a prescribed target-mass reduction”, Phys Med Biol 51: 6449-6456 (2006)

A.Cilotti, C.Iacconi, C.Marini, M.Moretti, D.Mazzotta, C.Traino, A.G.Naccarato, V.Piagneri, C.Giaconi, G.Bevilacqua, C.Bartolozzi: “Contrast-enhanced MR imaging in patients with BI-RADS 3-5 microcalcifications”. Radiol Med 112: 272-286 (2007)

A.C.Traino, M.Ferrari, M.Cremonesi, M.G.Stabin: “Influence of total-body mass on scaling of S-factors for patient-specific, blood-based red-marrow dosimetry”. Phys Med Biol 52: 5231-5248 (2007)

A.Dardano, M.Ballardin, M.Ferdeghini, E.Lazzeri, C.Traino, N.Caraccio, G.Mariani, R.Barale, F.Monzani: “Anticlastogenic Effect of Ginkgo Biloba Extract in Graves' Disease Patients Receiving Radioiodine Therapy”. J Clin Endocrinol Metab, 92: 4286-4289 (2007)

G.Bedetti, N.Botto, M.G.Andreassi, C.Traino, E.Vano, E.Picano: “Cumulative patient effective dose in cardiology”. Br J Radiol, 81: 699-705 (2008)

Fattori B, Nacci A, Dardano A, Dallan I, Grosso M, Traino C, Mancini V, Ursino F, Monzani F: “Possible association between thyroid autoimmunity and Menière's disease”, Clin Exp Immunol 152: 28-32 (2008)

L. Labate, T. Levato, M. Galimberti, A. Giulietti, D. Giulietti, M.Sanna, C. Traino, M. Lazzeri and L.A. Gizzi,”A single-photon CCD based setup for in-situ measurement of the X-ray spectrum of mammographic units”, Nuclear Instruments and Methods in Physics Research A (2008), 594: 278-282 (2008)

G.Federico, G.Boni, B.Fabiani, L.Fiore, P.Lazzeri, F.Massart, C.Traino, C.Verola, G.Saggese, G.Mariani, R.Scarpato, “No evidence of chromosome damage in children and adolescents with differentiated thyroid carcinoma after receiving 131I radiometabolic therapy, as evaluated by micronucleus assay and microarray analysis”, Eur J Nucl Med Mol Imaging, 35: 2113-2121 (2008)

A.Nacci, I.Dallan, L.Bruschini, A.C.Traino, E.Panicucci, P.Bruschini, V.Mancini, F.Rognini, B.Fattori, “Plasma homocisteine, folate, and vitamine B12 levels in patients with laryngeal cancer”, Arch Otolaryngol Head Neck Surg, 134: 1328-1333 (2008)

A.C.Traino, B.Xhafa, “Accuracy of two simple methods for estimation of thyroidal ^{131}I kinetics for dosimetry-based treatment of Graves' disease”, Med Phys, 36: 1212-1218 (2009)

A.Frigo, A.Dardano , E.Danese , M.V.Davì, P.Moghetti , C.Colato , G.Francia, F.Bernardi, C.Traino, F.Monzani, M.Ferdeghini: “Chromosome translocation frequency after radioiodine thyroid remnant ablation: a comparison between rhTSH stimulation and prolonged levothyroxine with-drawal”, J Endocrinol Metab, 94:3472-3476 (2009)

M.Grosso, S.Chiacchio, F.Bianchi, C.Traino, C.Marini, G.Manca, A.Cilotti, M.Roncella, L.Rampin, M.C.Marzola, D.Rubello, G.Mariani: “Comparison between ^{99m}Tc-Sestamibi scintimammography and x-ray mammography in the characterization of clusters of microcalcifications: a prospective long-term study”, Anticancer Res, 29:4251-4257 (2009)

A.C.Traino, M.Grosso, G.Mariani: “Possibility of limiting the un-justified irradiation in 131I therapy of Graves' disease: a thyroid mass-reduction based method for the optimum activity calculation”, Phys Med, 26:71-79 (2010)

S.Merrill, J.Horowitz, A.C.Traino, S.R.Chipkin, C.V.Hollot, Y.Chait:” Accuracy and optimal timing of activity measurements in estimating the absorbed dose of radioiodine in the treatment of Graves' disease”, Phys Med Biol, 56: 557-571 (2011)

M.Giannelli, G.Belmonte, N.Toschi, I.Pesaresi, P.Ghedin, A.C.Traino, C.Bartolozzi, M.Cosottini: ”Technical note: DTI measurements of fractional anisotropy and mean diffusivity at 1.5 : comparison of two radiofrequency head coils with different functional designs and sensitivities”, Med Phys, 38: 3205-11 (2011)

A.Dardano, M.Ballardin, N.Caraccio, G.Boni, C.Traino, G.Mariani, M.Ferdeghini, R.Barale, F.Monzani: “The effect of Ginkgo biloba extract on genotoxic damage in patients with differentiated thyroid carcinoma receiving thyroid remnant ablation with iodine-131”, Thyroid, 22: 318-24 (2012)

P.A.Erba, M.Sollini, E.Orciuolo, C.Traino, M.Petrini, G.Paganelli, E.Bombardieri, C.Grana, L.Giovannoni, D.Neri, H.D.Menssen, G.Mariani: "Radioimmunotherapy with radretumab in patients with relapsed hematologic malignancies", J Nucl Med, 53: 922-927 (2012)

F.Orsini, A.C.Traino, M.Grosso, F.Guidoccio, G.Boni, D.Volterrani, G.Mariani: “Personalization of radioiodine treatment for Graves' disease: a prospective, randomized study with a novel method for calculating the optimal 131I-iodide activity based on target reduction of thyroid mass”, QJ Nucl Med, 56: 496-502 (2012)

J.Willegaignon, M.T.Sapienza, G.B.Filho, A.C.Traino, C.A.Buchpiguel: “Determining thyroid (131)I effective half-life for the treatment planning of Graves' disease”, Med Phys, 40: (2013), 022502. doi: 10.1118/1.4788660

A.C.Traino, S.Marcatili, C.Avigo, M.Sollini, P.A.Erba, G.Mariani: “Dosimetry for nonuniform activity distributions: A method for the calculation of 3D absorbed-dose distribution without the use of voxel S-values, point kernels, or Monte Carlo simulations”, Med Phys, 40 (2013), 042505. doi: 10.1118/1.4794473

R.Ciolini, F.D'Errico, A.C.Traino, E.Paternostro, A.Laganà, C.Romei, F.Pazzagli, A.Del Gratta: “Development of antropomorphic hand phantoms for personal dosimetry in ^{90}Y-Zevalin preparation and patient delivering”, Rad Prot Dosim (2013) doi: 10.1093/rpd/nct200

M.Giannelli, S.Diciotti, M.Guerrisi, A.C.Traino, M.Mascalchi, C.Tessa, N.Toschi: "On the estimation of conventional DTI-derived indices by fitting the non-Gaussian DKI model to diffusion-weighted imaging dataset" Neuroradiology (2013) doi: 10.1007/s00234-013-1271-5

J.Willegaignon, M.T.Sapienza, G.B.Coura-Filho, T.Watanabe, A.C.Traino, C.A.Buchpiguel: "Graves' disease radioiodine-therapy: choosing target absorbed dose for therapy planning", Med Phys (2014) doi: 10.1118/1.4846056

M.Giannelli, R.Sghedoni, C.Iacconi, M.Iori, A.C.Traino, M.Guerrisi, M.Mascalchi, N.Toschi, S.Diciotti: "MR scanner systems should be adequately characterized in diffusion-MRI of the breast", PLoS One (2014) doi: 10.1371/journal.pone.0086280

E.Borsò, G.Boni, S.Mazzarri, A.Cocciaro, C.Gambacciani, A.C.Traino, G.Manca, M.Grosso, C.Scatena, V.Ortenzi, R.Vannozzi, M.C.Marzola, D.Rubello, G.Mariani: "Disseminated bone metastases from occult thyroid cancer effectively treated with debulking surgery and a single dosimetry-guided administration of radioiodine", Rev Esp Med Nucl Imagen Mol (2014) doi: 10.1016/j.remn.2014.09.004

C.Romei, A.Di Fulvio, C.A.Traino, R.Ciolini, F.d'Errico: "Characterization of a low-cost PIN photodiode for dosimetry in diagnostic radiology", Phys Med (2015) doi: 10.1016/j.ejmp.2014.11.001

M.Sollini, R.Boni, AC.Traino, E.Lazzeri, F.Pasqualetti, L.Modeo, G.Mariani, M.Petrini, PA.Erba: "New approaches for imaging and therapy of solid cancer", Q J Nucl Med Mol Imaging, (2015) 59:168-83

C.Petrucci, AC.Traino: "Focus on the legislative approach to short half life radioactive hospital waste releasing", Phys Med, (2015) 31:726-32. doi: 10.1016/j.ejmp.2015.06.001

A.C.Traino, M.Piccinno, C.Avigo: “Dosimetry of non-uniform activity distribution: possibility to use the Local Energy Deposition approach at the voxel level in radionuclide therapy”, Biomed Phys Eng Express (2016), doi:10.1088/2057-1976/2/6/065001

A.Traino, C.Sottocornola, P.Barca, G.Aringhieri, C.Marini, D.Caramella, M.E.Fantacci: "Average absorbed breast dose in mammography: a new possible dose-index matching the requirements of the European Directive 2013/59/EURATOM", European Radiology Experimental (2017) 1:28. doi: 10.1186/s41747-017-0026-1

P.Barca, R.Lamastra, G.Aringhieri, R.M.Tucciariello, A.Traino, M.E.Fantacci: “Comprehensive assessment of image quality in synthetic and digital mammography: a quantitative comparison”, Australas Phys Eng Sci Med (2019), doi: 10.1007/s13246-019-00816-8

I.Bargellini, L.Crocetti, F.M.Turini, G.Lorenzoni, G.Boni, A.C.Traino, D.Caramella, R.Cioni: “Response Assessment by Volumetric Iodine Uptake Measurement: Preliminary Experience in Patients with Intermediate-Advanced Hepatocellular Carcinoma Treated with Yttrium-90 Radioembolization”, Cardiovasc Intervent Radiol (2018) 41(9):1373-1383. doi: 10.1007/s00270-018-1962-8

A.CTraino, P.Barca, R.Lamastra, R.M. Tucciariello, C.Sottocornola, C.Marini, G.Aringhieri, D.Caramella, M.E.Fantacci: ”Average absorbed breast dose (2ABD): an easy radiation dose index for digital breast tomosynthesis”, European Radiology Experimental (2020). doi: 10.1186/s41747-020-00165-2

I.Bargellini, P.Scalise, G.Boni, C.A.Traino, E.Bozzi, G.Lorenzoni, L.Crocetti, R.Cioni: “Yttrium-90 Radioembolization for Hepatocellular Carcinoma with Portal Vein Invasion: Validation of the Milan Prognostic Score”, J Vasc Interv Radiol (2020) 31(12):2028-2032. doi: 10.1016/j.jvir.2020.06.027

L.Labate, D.Palla, D.Panetta, F.Avella, F.Baffigi, F.Brandi, F.Di Martino, L.Fulgentini, A.Giulietti, P.Köster, D.Terzani, P.Tomassini, C.Traino, L.A.-Gizzi: “Toward an effective use of laser-driven very high energy electrons for radiotherapy: Feasibility assessment of multi-field and intensity modulation irradiation schemes”, Sci Rep (2020) 10(1):17307. doi: 10.1038/s41598-020-74256-w

P.Barca, R.Lamastra, R.M.Tucciariello, A.Traino, C.Marini, G.Aringhieri, D.Caramella, M.E.Fantacci ME: “Technical evaluation of image quality in synthetic mammograms obtained from 15° and 40° digital breast tomosynthesis in a commercial system: a quantitative comparison”, Phys Eng Sci Med (2021) 44:23-35. doi: 10.1007/s13246-020-00948-2

S.Ursino, A.Giuliano, Di Martino F, P.Cocuzza, A.Molinari, A.Stefanelli, P.Giusti, G.Aringhieri, R.Morganti, E.Neri, C.Traino, F.Paiar: “Incorporating dose-volume histogram parameters of swallowing organs at risk in a videofluoroscopy-based predictive model of radiation-induced dysphagia after head and neck cancer intensity-modulated radiation therapy”, Strahlenther Onkol (2021) 197:209-218. doi: 10.1007/s00066-020-01697-7

T.Depalo, A.C.Traino, I.Bargellini, G.Lorenzoni, E.Bozzi, C.Vivaldi, R.Lamastra, G.Masi, R.Cioni, G.Boni, D.Volterrani: “Assessment of radiation sensitivity of unresectable intrahepatic cholangiocarcinoma in a series of patients submitted to radioembolization with yttrium-90 resin microspheres”, Sci Rep (2021) 11:19745. doi: 10.1038/s41598-021-99219-7

I.Bargellini, G.Boni, A.C.Traino, E.Bozzi, G.Lorenzoni, F.Bianchi, R.Cervelli, T.Depalo, L.Crocetti, D.Volterrani, R.Cioni: “Management of Liver Tumors during the COVID-19 Pandemic: The Added Value of Selective Internal Radiation Therapy (SIRT)”, J Clin Med (2021) 10:4315. doi: 10.3390/jcm10194315

S.Linsalata, R.Borgheresi, D.Marfisi, P.Barca, A.Sainato, F.Paiar, E.Neri, A.C.Traino, M.Giannelli: “Radiomics of Patients with Locally Advanced Rectal Cancer: Effect of Preprocessing on Features Estimation from Computed Tomography Imaging”, Biomed Res Int (2022), 20;2022:2003286. doi: 10.1155/2022/2003286.

D.Marfisi, C.Tessa, C.Marzi, J.Del Meglio, S.Linsalata, R.Borgheresi, A.Lilli, R.Lazzarini, L.Salvatori, C.Vignali, A.Barucci, M.Mascalchi, G.Casolo, S.Diciotti, A.C.Traino, M.Giannelli: “Image resampling and discretization effect on the estimate of myocardial radiomic features from T1 and T2 mapping in hypertrophic cardiomyopathy”, Sci Rep (2022) 12:10186. doi: 10.1038/s41598-022-13937-0

BOOKS AND CHAPTERS OF BOOKS

N.Salcone, P.Salvadori, L.Tana, M.Tosetti, A.C.Traino : " Norme di radioprotezione nelle attività sanitarie ", Ed. ECIG, Genova, 1994;

G.Rossetti, C.Traino et Al.: “La gestione manageriale del servizio di radiologia”, Ed.Gnocchi, Napoli, 1995.

M.Lazzeri, C.Traino: Atti del corso “Procedure operative di misure e valutazioni dosimetriche nelle attività sanitarie”, Pacini Editore, 1998.

M.Lazzeri, L.Tana, A.C.Traino, F.Perrone: Atti del corso “Procedure operative di misure e valutazioni dosimetriche in radioterapia e medicina nucleare”, Felici Editore, 1999.

G.Boni, A.Lorenzoni, A.C.Traino, P.A.Erba, C.Ceccarelli, G.Mariani: “Terapia medico-nucleare” in Fondamenti di Medicina Nucleare (a cura di D.Volterrani, P.A.Erba, G.Mariani), Springer, 2010 (pag. 315-365)

A.C.Traino: “Radioprotezione del personale” in Fondamenti di Medicina Nucleare (a cura di D.Volterrani, P.A.Erba, G.Mariani), Springer, 2010 (pag. 305-315)