


## PERSONAL INFORMATION

## Bruno Meduri

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## WORK EXPERIENCE

11/2010–alla data attuale

## Dirigente Medico

## RADIOTERAPIA – AOU DI MODENA

La Struttura si occupa di trattamenti radioterapici delle malattie neoplastiche come modalità esclusiva o in associazione ad altre modalità di terapia, nell'intento di conseguire la guarigione, il prolungamento della sopravvivenza, il miglioramento della qualità della vita, con l'impegno costante a mettere in atto ogni accorgimento possibile per ridurre l'incidenza delle complicanze immediate e tardive.

11/2009 – 10/2010

## Dirigente Medico

## RADIOTERAPIA – Università Cattolica di Roma – Policlinico "A. Gemelli" di Roma

## EDUCATION AND TRAINING

01/11/2005–11/11/2009

## Residency training program in Radiation Oncology

Catholic University of Rome, Rome (Italy)

Graduated magna cum laude

01/11/1999–28/07/2005

## Master's degree in Medicine and Surgery

Catholic University Of Rome, Rome (Italy)

Graduated magna cum laude

21/09/1994–15/06/1999

## High school leaving qualification in classical studies

Liceo Classico "G. Familiari", Melito P. S (RC) (Italy)

## PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B2	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages - Self-assessment grid

Organisational / managerial skills

Buone capacità organizzative acquisite attraverso la collaborazione quotidiana con i colleghi e tutto il personale che lavora nella conduzione degli studi clinici

Job-related skills

Buona capacità di prendersi cura dei pazienti e delle loro famiglie; buona esperienza clinica nella gestione di pazienti oncologici

Good experience in IMRT/VMAT, SBRT, IGRT, Partial Breast Irradiation, Gynecological brachytherapy and RT-immunotherapy combination.

- Member of Multidisciplinary Team on Head and neck malignancies (clinical activity and clinical trial)  
University Hospital of Modena

- Member of Multidisciplinary Team on GI malignancies (clinical activity and clinical trial)  
University Hospital of Modena

- Member of Multidisciplinary Team on Breast malignancies (clinical activity and clinical trial) University Hospital of Modena

## Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

## ADDITIONAL INFORMATION

### Projects

- Principal investigator of the multicentric randomized trial "Low-dose radiotherapy as a chemo-potentiator of a induction chemotherapy regimen with GemoOx and stereotactic body radiotherapy for locally advanced pancreatic cancer" (ClinicalTrial.gov ID: NCT02416609)-
- Co principal investigator of the international multicentric randomized trial "Breast Cancer With Low Risk Of Local Recurrence: Partial and Accelerated Radiation With Three-Dimensional Conformal Radiotherapy (3DCRT) Vs. Standard Radiotherapy After Conserving Surgery (Phase III Study)" (ClinicalTrial.gov ID: NCT01803958)
- Coordinator of the project "Efficacy and safety of hypofractionated IGRT/IMRT for prostatic, lung, oropharynx and brain (GBM) cancer"
- Principal investigator of the multicentric trial: "Chemoradiotherapy for locally advanced oropharynx cancer: hypofractionated IGRT-IMRT vs conventional fractionated IMRT- Phase III randomized trial"
- Co-investigator of the multicentric randomized trial "Tailored Axillary Surgery With or Without Axillary Lymph Node Dissection Followed by Radiotherapy in Patients With Clinically Node-positive Breast Cancer" (ClinicalTrial.gov ID: NCT03513614)

### Publications

#### Manuscript

- Meattini I, ..., **Meduri B**, et al: Local Treatment of the Axilla in Early Breast Cancer: So Many Questions, Still Few Answers. Clin Oncol 2019, in press
- Maffei N, ..., **Meduri B**, et al: Hierarchical clustering applied to automatic atlas based segmentation of 25 cardiac sub-structures. Physica medica 2019, in press
- Pedretti S, Masini L, ..., **Meduri B**, et al: Hypofractionated radiation therapy versus chemotherapy with temozolomide in patients affected by RPA class V and VI glioblastoma: a randomized phase II trial. Journal of Neuro-oncology 143: 447-455, 2019
- Ciarmatori A, Maffei N, ..., **Meduri B**, et al: Evaluation of the effectiveness of novel single-intervention adaptive radiotherapy strategies based on daily dose accumulation . Medical Dosimetry, 2019 *in press*
- Orlandi E, Bonomo P, ..., **Meduri B**, et al: Long-term outcome of re-irradiation for recurrent or second primary head and neck cancer: A multi-institutional study of AIRO—Head and Neck working group. Head and Neck, 2019 *in press*
- Meattini I, Pasinetti N, **Meduri B**, et al: A national multicenter study on 1072 DCIS patients treated with breast-conserving surgery and whole breast radiotherapy (COBCG-01 study). Radiother Oncol 131:208-214, 2019
- Filippi AR, Vanoni V, **Meduri B**, et al: Intensity Modulated Radiation Therapy and Second Cancer Risk in Adults. Int J Radiat Oncol 100:17–20, 2018

- Gelsomino F, Bertolini F, Luppi G, ..., **Meduri B**, et al: A Dose-finding and Biomarker Evaluation Phase Ib Study of Everolimus in Association With 5-Fluorouracil and Pelvic Radiotherapy as Neoadjuvant Treatment of Locally Advanced Rectal Cancer (E-LARC Study). *Clin Colorectal Cancer* 16:410–415.e1, 2017
- Maffei N, Guidi G, ..., **Meduri B**, et al: SIS epidemiological model for adaptive RT: Forecasting the parotid glands shrinkage during tomotherapy treatment. *Med Phys* 43:4294–4303, 2016
- Guidi G, Maffei N, **Meduri B**, et al: A machine learning tool for re-planning and adaptive RT: A multicenter cohort investigation. *Phys Medica* 32:1659–1666, 2016
- Guidi G, Maffei N, ..., **Meduri B**, et al: A support vector machine tool for adaptive tomotherapy treatments: Prediction of head and neck patients criticalities. *Phys Medica* 31:442–451, 2015
- Mantini G, Valentini V, **Meduri B**, et al: Low-dose radiotherapy as a chemo-potentiator of a chemotherapy regimen with pemetrexed for recurrent non-small-cell lung cancer: A prospective phase II study. *RadiotherOncol* 105:161–166, 2012
- Larici AR, del Ciello A, ..., **Meduri B**, et al: Lung abnormalities at multimodality imaging after radiation therapy for non-small cell lung cancer. *Radiographics* 31:771–89, 2011
- Valentini V, Massacesi M, ..., **Meduri B**, et al: Low-dose hyperradiosensitivity: is there a place for future investigation in clinical settings? *Int J Radiat Oncol Biol Phys* 76:535–9, 2010
- Valentini V, Maurizi F, ..., **Meduri B**, et al: SPIDER: Managing Clinical Data of Cancer Patients Treated through a Multidisciplinary Approach by a Palm Based System. *Ital J Public Health* 5, 2008

### Abstract

- **B. Meduri**, A. Baldissera, M. Galeandro, et al. Accelerated PBI VS standard radiotherapy (IRMA trial): interim cosmetic and toxicity results. *Radiotherapy and oncology* 123(1): S303, 2017
- N. Maffei, G. Guidi, E. D'Angelo, **B. Meduri**, et al. Can atlas-based automatic segmentation contour H&N OARs like a physician? *Radiotherapy and oncology* 123(1): S936, 2017
- M. Perna, V. Scotti, ..., **B. Meduri**, et al. Pattern of Care of Inoperable Locally Advanced (LA) NSCLC in Elderly Patients: Analysis of the Experience of Two Academic Italian Hospitals: Topic: Clinical Outcome *Journal of Thoracic Oncology* 12(1):S858-S859, 2017
- A. Bruni, E. D'Angelo, **B. Meduri**, et al. Moderately Hypofractionated Radiotherapy in Locally Advanced Non-Small Cell Lung Cancer: A Single Institution Retrospective Analysis *Journal of Thoracic Oncology* 12(1):S883, 2017
- M. Napolitano, F. Bertolini, E. D'Angelo, ..., **B. Meduri**, et al. Incidence and survival of secondary malignancies (SM) in oropharyngeal squamous cell carcinoma (OPSCC): A homogeneous single report institution *Annals of Oncology* 28 (Supp 5): S392, 2017
- P. Bonomo, **B. Meduri**, E. D'Angelo, et al. Tomotherapy for anal cancer: analysis of toxicity and response in a dual institution experience. *Radiotherapy and oncology* 119(1): S609, 2016
- **B. Meduri**, E. D'Angelo, P. Barbieri, et al. Accelerated hypofractionated IMRT-IGRT and concurrent chemotherapy in oropharyngeal cancer. *Radiotherapy and oncology* 119(1): S524, 2016
- G. Guidi, N. Maffei, **B. Meduri**, et al. A Neural Network analysis to support Adaptive RT strategies: a multicenter retrospective study. *Radiotherapy and oncology* 119(1): S169, 2016
- F. Bertolini, E. Pettolelli, **B. Meduri**, et al. A phase Ib study of everolimus, 5-fluorouracil (5-FU) and pelvic radiotherapy (RT) as neo-adjuvant treatment for locally advanced rectal cancer (LARC). *Annals of Oncology* 25 (Supplement 4): iv167–iv209, 2014
- P. Antognoni, A. Bruni, ..., **B. Meduri**, et al. Rapid symptomatic helical tomotherapy irradiation: feasibility and evaluation of conformity index and oars dose. *Radiotherapy and oncology* 99(1): S333, 2011
- P. Antognoni, P. Barbieri, ..., **B. Meduri**, et al. Automatic +/- manual correction for inter-fraction errors detection in patients treated with Tomotherapy®. *Radiotherapy and oncology* 99(1): S459, 2011
- P. Antognoni, P. Barbieri, ..., **B. Meduri**, et al. Fine vs coarse MVCT: evaluation of inter-fraction errors in patients treated with Tomotherapy®. *Radiotherapy and oncology* 99(1): S463, 2011
- P. Antognoni, P. Barbieri, ..., **B. Meduri**, et al. 4D CT-based PTV definition for lung tumours: comparison with conventional 3D-CRT using individual margins. *Radiotherapy and oncology* 99(1): S471, 2011
- F. De Rose, G. Mantini, **B. Meduri** et al. Cone-beam CT and lung stereotactic body radiotherapy: tumor localization and setup control. *J Thor Oncol* 5, S1 2010, pag S111

- **B. Meduri**, G. Mantini, F. De Rose. *et al.* Use of PET/CT for radiation therapy planning in locally advanced lung cancer: definition of GTV and dosimetric analysis *J Thor Oncol* 5, S1 2010, pag S65
- **B. Meduri**, F. De Rose, G. Mantini *et al.* Low-dose radiotherapy and concurrent pemetrexed for advanced non-small cell lung cancer with progressive disease *Lung Cancer* 64, S1 2009, pag S59
- G. Mantini, V. Valentini, **B. Meduri**, *et al.* Multi-disciplinary management of advanced stage III non-small-cell lung cancer (NSCLC): preliminary results of a phase two trial with neoadjuvant cisplatin and gemcitabine and concurrent radiotherapy. *Radiot. Oncol.* 88, S2 2008, pag. 284
- Chiesa S, Balducci M, ..., **Meduri B**, *et al.* Consolidation radiotherapy in early stage Hodgkin's Lymphoma treated with ABVD chemotherapy regimen *XVIII Congresso Nazionale AIRO, Milano, 15-18 Novembre 2008 Tumori* 7(2): S67, 2008
- Apicella G., Balducci M., ..., **Meduri B**, *et al.* Inoperable cavernous sinus melanocytoma: a case of primary radiotherapy *XVIII Congresso Nazionale AIRO, Milano, 15-18 Novembre 2008 Tumori* 7(2): S128, 2008
- Massaccesi M., Valentini V., **Meduri B.**, *et al.* Role of computed tomography (CT) and <sup>18</sup>F-FDG positron emission tomography (<sup>18</sup>F-FDG PET) in prediction of the pathological response of non-small cell lung cancers after neo-adjuvant chemo-radiotherapy *XVIII Congresso Nazionale AIRO, Milano, 15-18 Novembre 2008 Tumori* 7(2): S74, 2008
- **Meduri B.**, Mantini G, Massaccesi M., *et al.* Multi-disciplinary management of advanced stage III non-small-cell lung cancer (NSCLC): preliminary results of a phase two trial with neoadjuvant cisplatin and gemcitabine and concurrent radiotherapy *XVIII Congresso Nazionale AIRO, Milano, 15-18 Novembre 2008 Tumori* 7(2): S285, 2008
- M. Massaccesi, V. Valentini, ... **Meduri B.**, *et al.* Low-dose hyper-radiosensitivity: is there a place for future investigation in clinical settings? *Radiot. Oncol.* 88, S2 2008, 478-479
- Tagliaferri L., Mantini G., ..., **Meduri B.**, *et al.* Spider-prostate: a multidisciplinary file shared of clinical data of patients with prostate cancer based on palm technology *Tumori* S254, 2007
- Dinapoli N., Valentini V., **Meduri B.**, *et al.* Unplanned radiation treatment interruptions management: a software tool for comparison among different alternative solutions for dose compensation *Atti XVII Congresso Nazionale AIRO, Firenze, 10-13 Novembre 2007, Tumori* S174, 2007
- Massaccesi M., Valentini V., Calcagni M.L., **Meduri B.**, *et al.* Biological early response assessment during radio-chemotherapy in non-small cell lung cancer with <sup>18</sup>FDG-PET: is there a place for future investigation? *Atti XVII Congresso Nazionale AIRO, Firenze, 10-13 Novembre 2007 Tumori* S2, 2007
- Corvari B., Smaniotto D., ..., **Meduri B.**, *et al.* Concurrent 5-Fluorouracil, mitomycin C and radiation, with or without brachytherapy, in recurrent endometrial cancer *Tumori* 5(3): S44, 2006

### Guidelines

Author of the AIOM and AIRO guidelines for breast cancer

### Peer-Reviewer

- TheBreast (ISSN: 0960-9776)
- Medical Oncology (ISSN: 1357-0560)

### Honours and awards

#### Grant

- 110880 € as co-investigator of "Breast Cancer With Low Risk Of Local Recurrence: Partial and Accelerated Radiation With Three-Dimensional Conformal Radiotherapy (3DCRT) Vs. Standard Radiotherapy After Conserving Surgery (Phase III Study): IRMA trial" (ClinicalTrials.gov ID: NCT01803958) (Funding Institution: Italian Ministry of Health)
- 392195 € as principal investigator of a trial evaluating efficacy and safety of IGRT-IMRT hypofractionated in Head and neck cancer, lung cancer, prostate cancer and glioblastoma (Funding Institution: Regione Emilia-Romagna).

### Conferences

#### Scientific/organising committee

- Scientific/organising committee member: "VI Zoom journal club 2016 – Gruppo di studio AIRO per la patologia mammaria", Bologna, Italy, 17 February 2017
- Scientific/organising committee member: "Attualità in Senologia 2017" Firenze, Italy 8-10

November 2017

- Scientific/organising committee member: "V Zoom journal club 2015 – Gruppo di studio AIRO per la patologia mammaria", Bologna, Italy, 19 February 2016
- Scientific committee chair: "De-intensificazione del trattamento nelle neoplasie infiltranti della mammella in stadio iniziale" Modena, Italy, 3 October 2016

#### Invited speaker

- "Neoplasie del pancreas e delle vie biliari - Carcinoma del pancreas: Quale ruolo per la radioterapia" Udine, Italy, 20 Novembre 2019
- "Quando e come fare radioterapia ascellare" Congresso AIS 2019, Firenze, Italy 6-8 November 2019
- "Neoplasia mammaria cN2 dopo chemioterapia neoadiuvante con ypN0: radioterapia regionale vs osservazione", Congresso AIRO 2019, Rimini, Italy, 27-29 September 2019
- "Neoplasia mammaria in recidiva locale: chirurgia locale più radioterapia vs mastectomia radicale" Congresso AIRO 2019, Rimini, Italy, 27-29 September 2019
- "Ottimizzazione del trattamento nel carcinoma gastrico", Modena, Italy, 18-19 June 2019
- "Radioterapia nelle BRCA Mutate: indicazioni generali o specifiche?" La radioterapia della mammella tra clinica e nuove tecniche - VIII Zoom journal club 2018/2019, Roma, 15 March 2019
- "Biologia e radioterapia adiuvante" - La sottile linea di confine tra clinica e biologia, Modena, 4-5 April 2019
- "Round table Meet-up for a fair HCC management in Emilia Romagna" - Challenges in liver resection and transplantation, Modena, 12-14 December 2018
- "La linfadenectomia ascellare nel cancro alla mammella è ancora necessaria? I diversi specialisti a confronto - Il ruolo del radioterapista" - Management multidisciplinare nel trattamento del tumore al seno, Montecchio Maggiore (Vicenza), 9 November 2018
- Volume De-escalation: cosa c'è di nuovo ed on-going" - La ricerca in oncologia clinica - Congresso AIRO 2018, Rimini, 2-4 November 2018
- "La radiomica e radiogenomica in H&N: fantascienza?" Nuovi orizzonti in oncologia cervico-cefalica, Modena, Italy, 4-5 October 2018
- "La radioterapia nel carcinoma mammario: un nuovo ruolo?" - VII Zoom journal club 2017/2018 – Gruppo di studio AIRO per la patologia mammaria, Roma, Italy, 13 April 2018
- "Lung cancer - The role of radiotherapy" - Integrated strategies against cancer: how a multidisciplinary team works, Palermo, Italy, 25-26 May 2018
- "La radiobiologia dei frazionamenti alterati", Congresso nazionale AITRO, Modena, Italy, 11-12 May 2018
- "Ottimizzazione del trattamento nel carcinoma gastrico", Modena, Italy, 24-25 May 2018
- "De-escalating radiotherapy?" - Hot topics nel carcinoma mammario ormonosensibile, Modena, Italy, 26 March 2018
- "L'evoluzione del team multidisciplinare in oncologia cervico-facciale tra presente e futuro", Modena, Italy, 16 February 2018
- "Riflessioni su IGRT ed errore residuo - Mammella", Ancona, Italy, 7 February 2018
- "La radioterapia esclusiva e integrata" - Lo stato dell'arte nell'ambito dei tumori maligni del distretto testa-collo, Carpi (MO), Italy, 20 October 2017
- "Stereotactic radiotherapy in the treatment of pancreatic cancer" - From surgery to radiosurgery, Ameglia (SP), Italy, 13-14 October 2017
- "Radioterapia: deve essere uguale per tutti i sottotipi?" - Le breast unit in Emilia Romagna: Realtà e sviluppi, Ferrara, Italy, 30 June 2017
- "Il ruolo del radioterapista nella malattia metastatica" - Le conoscenze e la gestione del paziente con melanoma, Modena, Italy, 22-23 May 2017
- "Le terapie adiuvanti e neoadiuvanti tra chirurgo, oncologo medico e radioterapista" - Ottimizzazione del trattamento nel carcinoma gastrico, Modena, Italy, 25-26 May 2017
- "Accelerated PBI VS standard radiotherapy (IRMA trial): interim cosmetic and toxicity results" (Oral communication) - ESTRO 36, Vienna, Austria, 5-9 May 2017



- "Immunoterapia" - VI Zoom journal club 2016 – Gruppo di studio AIRO per la patologia mammaria, Bologna, Italy, 17 February 2017
- "Omissione radioterapia" - V Zoom journal club 2015 – Gruppo di studio AIRO per la patologia mammaria, Bologna, Italy, 19 February 2016
- "Irradiazione stazioni linfonodali dopo chemioterapia neoadiuvante e linfadenectomia" - Corso itinerante AIRO: Consensus per l'irradiazione delle stazioni linfonodali mammarie, Mestre, Italy, 21 October 2016
- "Irradiazione stazioni linfonodali dopo chemioterapia neoadiuvante e linfadenectomia" - Corso itinerante AIRO: Consensus per l'irradiazione delle stazioni linfonodali mammarie, Napoli, Italy, 17 November 2016
- "Omissione RT?" - De-intensificazione del trattamento nelle neoplasie infiltranti della mammella in stadio iniziale" Modena, Italy, 3 October 2016
- "Irradiazione parziale accelerata della mammella con tecnica 3D-CRT vs radioterapia standard dopo chirurgia conservativa (IRMA TRIAL): analisi ad interim di tossicità e risultati cosmetici" (Oral communication) - XXVI Congresso Nazionale AIRO 2016, Rimini, Italy 30 September-2 October 2016
- "Le terapie adiuvanti e neoadiuvanti tra chirurgo, oncologo medico e radioterapista" - Ottimizzazione del trattamento nel carcinoma gastrico, Modena, Italy, 1-2 December 2016
- "Innovazioni tecnologiche e applicazioni nel trattamento radioterapico dei tumori mammari" - IV Zoom journal club 2014 – Gruppo di studio AIRO per la patologia mammaria, Bologna, Italy, 20 February 2015
- "Un follow up condiviso: dal caos originario all'ordine cosmico...?" - Congresso Nazionale GISMA (Gruppo Italiano Screening Mammografico) - Workshop congiunto GISMA-SIRM – Reggio Emilia, Italy, 8 May 2015
- "Ricostruzione mammaria ed implicazioni radioterapiche – Dosi e volumi" - XXV Congresso Nazionale AIRO 2015, Rimini, Italy 7-10 November 2015
- "Innovazioni tecnologiche e applicazioni nel trattamento radioterapico dei tumori mammari" - Congresso Nazionale Tecnici di Radioterapia Oncologica AITRO 21, Roma, Italy 20-21 November 2015
- "Chemioterapia neoadiuvante nel cancro della mammella" - La chirurgia Emiliano-Romagnola fra passato, presente e futuro, Forlì, Italy 11-12 December 2015
- "Radioterapia nel trattamento del carcinoma mammario e cardiotossicità: un problema reale, da quantificare, da evitare" - III Zoom journal club 2013 – Gruppo di studio AIRO per la patologia mammaria, Bologna, Italy, 21 February 2014
- "Fattori prognostici e sottotipi molecolari: interazione con la radioterapia" - II Zoom journal club 2012 – Gruppo di studio AIRO per la patologia mammaria, Roma, Italy, 25 January 2013
- "Tomotherapy: esperienza di Modena" - User meeting Tomotherapy Italia, Venezia, Italy, 24-25 June 2011
- "Accelerated partial breast irradiation: 3D conformal radiation therapy" - Breast cancer: toward a patient-centered perspective, Brescia, Italy, 30 September 2011
- "Low-dose radiotherapy and concurrent pemetrexed for advanced non-small cell lung cancer with progressive disease" (Oral communication) - European Multidisciplinary Conference in Thoracic Oncology. Lugano, Swiss, 1-3 May 2009
- "Locally advanced lung cancer and functional imaging: Definition of GTV and dosimetric analysis" (Oral communication) - XIX Congresso Nazionale AIRO, Bologna, Italy, 14-17 November 2009
- "Low-dose hyperfractionated radiotherapy combined with chemotherapy: clinical trials" (Co-author) - XIX Congresso Nazionale AIRO, Bologna, Italy, 14-17 November 2009

#### Memberships

- Council member of the Italian Association of Radiation Oncology (AIRO) Working Group on Breast cancer. 2020-2022
- Council member of the Italian Association of Radiation Oncology (AIRO) Working Group on Breast cancer. 2014-2016
- Founding member of the Clinical Oncology Breast Cancer Group - Gruppo di Studio di Oncologia Clinica del Tumore Mammario" (COBCG) since 2018
- Member of European Society for Radiotherapy & Oncology (ESTRO) since 2006

- Member of the Italian Association of Radiation Oncology (AIRO) since 2006

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali