

Letizia Deantonio

Curriculum vitae

PERSONAL DATA

Place and date of birth: Italy, Novara, May 31th, 1981

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BIO AND EDUCATION

26.10.2006 graduation in Medicine, **“La PET/TC nella stadiazione e nella definizione dei volumi di trattamento radioterapico dei carcinomi del distretto cervico-cefalico” (Prof. Marco Krengli). Mark 107/110 , Università del Piemonte Orientale** University of Piemonte Orientale, Novara, Italy

24.08.2011 board in radiotherapy “cum laude”, **“LA DISFAGIA DOPO RADIOTERAPIA NEI CARCINOMI DEL DISTRETTO CERVICO-CEFALICO: FREQUENZA, INTENSITÀ E CORRELAZIONE CON IL PARAMETRO DOSE/VOLUME DEI MUSCOLI COSTRITTORI DELLA FARINGE” (Prof. Marco Krengli)**, University of Piemonte Orientale, Novara, Italy

01.05.2015-30.10.2015 Visiting Professor at Radiotherapy service, Oncology Department, CHUV Lausanne, Swiss, Chief Prof. J. Bourhis. Focus on: radiotherapy techniques with high dose delivery for pelvic , gastrointestinal and lung tumours.

UNIVERSITY CAREER

2013-	Assistant Professor in Radiotherapy, at Department of Translational Medicine, University of Piemonte Orientale and University Hospital “Maggiore della Carità”, Novara Italy
01.03.2012- 28.02.2013	fellow at Radiotherapy , University Hospital “Maggiore della Carità”, Novara. Her main research activities are in the field of: Integrated imaging for radiotherapy, EBRT with intensity modulated radiation therapy and stereotactic radiotherapy for head and neck, brain and pelvic malignancies, IORT for breast and pelvic malignancies (in particular breast and prostate cancer)

UNIVERSITY POSITIONS

2015-	Member of Commissione Paritetica Docenti Studenti , University of Piemonte
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	Orientale
2015-	Member of Commissione del Rapporto Annuale del Riesame of University School for Radiation Technologists, University of Piemonte Orientale.
2013-	Segretary of Postgraduation School for Radiotherapy, University of Piemonte Orientale, Novara

SCIENTIFIC POSITIONS

2015-	Reviewer of Tumori journal
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MAIN FIELDS OF INTEREST

1. EBRT with intensity modulated radiation therapy and stereotactic radiotherapy for head and neck, brain
2. breast tumour
3. Integrated imaging for radiotherapy (PET/CT, SPECT)
4. pelvic malignancies

CURRENT ISSUES OF RESEARCH

1. FDG-PET in pelvic tumour

FDG-PET SUV parameters in pelvic tumours

2. FDG-PET in head&Neck tumours

FDG-PET SUV parameters in head and neck tumours

3. Mitochondrial Haplogroups and radiotherapy

Common European Mitochondrial Haplogroups in the Risk for Radiation-induced Subcutaneous Fibrosis in Breast Cancer Patients

TOP FIVE PAPERS

1. **Deantonio L**, Beldi D, Gambaro G, Loi G, Brambilla M, Inglese E, Krengli M. FDG-PET/CT imaging for staging and radiotherapy treatment planning of head and neck carcinoma. Radiat. Oncol. 3: 29, 2008.
2. **Deantonio L**, Gambaro G, Beldi D, Masini L, Tunesi S, Magnani C, Krengli M. Hypofractionated radiotherapy after conservative surgery for breast cancer: analysis of acute and late toxicity. Radiat. Oncol. 5: 112, 2010.
3. **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 Mar;189(3):230-6.

4. Alterio D, Ciardo D, Preda L, Argenone A, Caspiani O, Micera R, Ruo Redda MG, Russi EG, Bianchi E, Orlandi E, Bacigalupo A, Busetto M, Cante D, **Deantonio L**, De Sanctis V, Franco P, Lastrucci L, Marucci L, Merlotti A, Molteni M, Pajar F, Rampino M, Santoro L, Ferrari A, Bazzani F, Caputo M, Laudati A, Borzillo V, Falivene S, Simoni N, Vigo F, Iannaccone E, Reali A, Bonanni A, Leone M, Giannello L, Taglianti RV, Orecchia R. Contouring of the Pharyngeal Superior Constrictor Muscle (PSCM). A cooperative study of the Italian Association of Radiation Oncology (AIRO) Head and Neck Group. *Radiother Oncol*. 2014 Jul 6
5. De Bari B, **Deantonio L**, Bourhis J, Prior JO, Ozsahin M. Should we include SPECT lung perfusion in radiotherapy treatment plans of thoracic targets? Evidences from the literature. *Crit Rev Oncol Hematol*. 2016 Apr 20. pii: S1040-8428(16)30086-5.

AWARDS

1. Winner of the “best communication” “La radioterapia adiuvante nel carcinoma dell'endometrio: studio monoistituzionale” Annual Meeting AIRB AIRO-YOUNG: III Congresso Nazionale AIRO Giovani. Siena, 25-26 Giugno 2010
2. Winner of annual “Vasario Award ”: best communication “Ipofrazionamento dopo chirurgia conservativa nel carcinoma mammario: tossicità e risultato estetico” *XVII Convegno Regionale AIRO Piemonte valle d'Aosta* Asti, 18 ottobre 2008

FURTHER INFORMATION

She is co-investigator in national and international multicentric trials on brain cancer, head and neck tumours and breast IORT.

Languages: English good (read, written, spoken), French good (read, spoken)