

EUROPEAN  
CURRICULUM VITAE  
FORMAT



PERSONAL INFORMATION

Name	<b>LETIZIA DEANTONIO</b>
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Nationality	Italian

WORK EXPERIENCE

- **01.05.2021-present** **Senior Consultant in Radiotherapy**, at Radiotherapy Clinic, Istituto Oncologico della Svizzera Italiana, IOSI, Bellinzona, Switzerland  
  
She is committed to combine patients care and clinical research in the field of onco-hematology, gastrointestinal cancer, liver SBRT and integration of metabolic imaging in radiotherapy.
- **10.05.2021-present** **Privat Dozent PD, Faculty of Biomedical Sciences, Università della Svizzera Italiana, Lugano, Switzerland**  
  
Teaching activities (i.e. bedside teaching and lesson) at Master in Medical Sciences.
- **01.01.2019-30.04.2021** **Consultant in Radiotherapy**, at Radiotherapy Clinic, Istituto Oncologico della Svizzera Italiana, IOSI, Bellinzona, Switzerland  
  
Her main clinical and research activities are in the field of onco-hematology, gastrointestinal, hepatic malignancies.
- **03.06.2013-02.06.2018** **Assistant Professor in Radiotherapy**, at Department of Translational Medicine, University of Piemonte Orientale and University Hospital "Maggiore"

della Carità”, Novara Italy

Her main clinical and research activities were in the field of integration of metabolic imaging in radiotherapy, breast cancer altered fractionation and genetic mechanism of radiation-induced fibrosis; IMRT and SBRT for head and neck and brain cancer.

- **01.03.2012-28-02.2013** **fellow at Radiotherapy** , University Hospital “Maggiore della Carità”, Novara  
Her main research activities were in the field of: Integrated imaging for radiotherapy, breast cancer and IORT for breast cancer.

## EDUCATION AND SCIENTIFIC CAREER

- **19.05.2022** **Certificate of Competence in Lymphoma** at Ulm University in collaboration with the European School of Oncology
- **10.04.2017** **Italian National Scientific Qualification to Associate Professor in Radiation Oncology, Radiology and Nuclear Medicine (SSD 06-I MED36)**
- **01.05.2015-30.10.2015** **Visiting Professor** at Radiotherapy Service, Oncology Department, CHUV Lausanne, Switzerland, Chief Prof. J. Bourhis  
Focus on: radiotherapy techniques with high dose delivery for pelvic, gastrointestinal and lung tumours; functional imaging in treatment planning such as lung perfusion SPECT/CT and FDG-PET or SPECT with 99-mTc labelled mebrofenin in liver tumors.
- **24.08.2011** **Board in Radiation Oncology, 70/70 cum laude**, at University of Piemonte Orientale, Novara, Italy.  
Final dissertation: Dysphagia after definitive radiotherapy for head and neck cancer: correlation of dose–volume parameters. Prof. Marco Krengli
- **26.10.2006** **Master Degree in Medicine, 107/110** at University of Piemonte Orientale, Novara, Italy.  
Final Dissertation: FDG-PET/CT imaging for staging and radiotherapy treatment planning of head and neck carcinoma. Prof. Marco Krengli

## ORGANISATIONAL SKILLS AND COMPETENCES

She is member, in quality of radiation oncologist, of the multidisciplinary tumour board of Lymphomas and Multiple Myeloma of the Ente Ospedaliero Cantonale EOC, Switzerland.

She is member, in quality of radiation oncologist, of the multidisciplinary tumour board of gastro-intestinal and hepato-biliary diseases of the Ente Ospedaliero Cantonale EOC, Switzerland.

She is member, in quality of radiation oncologist, of the multidisciplinary tumour board of Melanoma and skin cancer of the Ente Ospedaliero Cantonale EOC, Switzerland.

She has been co-investigator in several national and international study protocol of breast, brain, head&neck tumor, prostate and gastrointestinal tumor.

She is local-PI in the national study: Estimating the indirect costs associated with adenocarcinoma or squamous cell carcinoma of the esophagus in Switzerland.

She is member of the core team of the Swiss Group for Clinical Cancer Research (SAKK) gastro-intestinal section and radiotherapy section.

**Awards:**

-2008 XVII Regional Congress AIRO Piemonte Valle d'Aosta, best communication prize "Hypofractionated radiotherapy after conservative surgery for breast cancer: analysis of acute and late toxicity "

-2010 III National Congress "young AIRO", best communication prize "Adjuvant radiotherapy in endometrial adenocarcinoma: a monoinstitutional experience"

**Grants and Funding Received**

2023 "Photobiomodulation in the prevention and treatment of acute radiodermatitis" Grant Fondazione Dr. Carlo Gianella. Role: Principal Investigator

2016 "Oxidative stress markers in breast cancer patients undergone radiotherapy and music therapy". Università del Piemonte Orientale (FAR 2016 – University Funds for Research). Role: co-principal investigator

**Teaching activities:**

**2022-present "Teacher"** Certificate of Advanced Studies CAS in Gastrointestinal cancer, Università della Svizzera Italiana and European School in Oncology.

**2022-present Principle of Radiation Therapy**, Master of Medicine; Faculty of Biomedical Sciences, Università della Svizzera Italiana, Lugano, Switzerland.

**2022-present Clinical tutor bedside teaching** Master of Medicine; Faculty of Biomedical Sciences, Università della Svizzera Italiana, Lugano, Switzerland.

**2019-present** teacher at Centro professionale socio-sanitario medico-tecnico, Locarno Switzerland.

**2013-2018: Assistant Professor of Radiotherapy** at University School for Radiation Technologists, University of Piemonte Orientale, Novara: course of Radiotherapy Techniques

**2013-2018: Assistant Professor of Radiotherapy** at University School for Nurses, University of Piemonte Orientale, Novara: course of basis of Radiotherapy and Radioprotection

**2013-2018: Assistant Professor of Radiotherapy** at Postgraduation School for Radiotherapy, University of Piemonte Orientale, Novara: course of Radiotherapy II.

**2017-2018 Assistant Professor of Radiotherapy** at University School for Laboratory Technologists, University of Piemonte Orientale, Novara: course of elements of radioprotection

Tutoring for postgraduation School for Radiology, Surgery, Gynecology, University of Piemonte Orientale, Novara

**2013-2018** Tutoring for Medical School, University of Piemonte Orientale, Novara

The core of the Scientific publications is:

52 papers in scientific journals listed in PubMed and Scopus (H-Index 17)

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. Krengli M, Milia ME, Turri L, Mones E, Bassi MC, 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.* 5: 10, 2010.
3. **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.
4. **Deantonio L**, Masini L, Gambaro G, Loi G, Krengli M. Detection of setup

- uncertainties with 3D surface registration system for conformal radiotherapy of breast cancer. *Reports of Practical Oncology and Radiotherapy* 16: 77-81, 2011
5. Milia ME, Turri L, Beldi D, **Deantonio L**, Pareschi R, Krengli M. Multidisciplinary approach in the treatment of malignant paraganglioma of the glomus vagale: a case report. *Tumori*, *Tumori*, 97: 225-228, 2011.
  6. Torrente S, Turri L, **Deantonio L**, Cena T, Gambaro G, Magnani C, Krengli M. Concomitant chemo-radiotherapy for inoperabile esophageal cancer: mono-institutional study on 40 patients. *Rep. Pract. Oncol. Radiother.*, 17: 226-232, 2012
  7. **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.
  8. 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
  9. Martin V, Zanellato E, Franzetti-Pellanda A, Molinari F, Movilia A, Paganotti A, **Deantonio L**, De Dosso S, Assi A, Crippa S, Boldorini R, Mazzucchelli L, Saletti P, Frattini M. EGFR, KRAS, BRAF, and PIK3CA characterization in squamous cell anal cancer. *Histol Histopathol.* 2014 Apr;29(4):513-21.
  10. Krengli M, Masini L, Comoli AM, Negri E, **Deantonio L**, Filomeno A, Gambaro G. Interstitial brachytherapy for eyelid carcinoma. Outcome analysis in 60 patients. *Strahlenther Onkol.* 2014 Mar;190(3):245-9.
  11. 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, Iannacone 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 5
  12. Ruggieri V, Zeppegno P, Gramaglia C, Gili S, **Deantonio L**, Krengli M. A survey of Italian radiation oncologists: job satisfaction and burnout. *Tumori.* 2014 May-Jun;100(3):307-14.
  13. Krengli M, Apicella G, **Deantonio L**, Paolini M, Masini L. Stereotactic radiation therapy for skull base recurrences: Is still possible a salvage approach? *Rep Pract Oncol Radiother.* 2015 Nov-Dec;20:430-9.
  14. **L Deantonio**, ME Milia, T Cena, G Sacchetti, C Perotti, M Brambilla, L Turri, M Krengli. Anal cancer FDG-PET standard uptake value: correlation with tumor characteristics, treatment response and survival. *Anal cancer FDG-PET standard uptake value: correlation with tumor characteristics, treatment response and survival. Radiol Med.* 2016;121:54-9.
  15. Pisani C, **Deantonio L**, Surico D, Brambilla M, Galla A, Ferrara E, Masini L, Gambaro G, Surico N, Krengli M. 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.
  16. Terrazzino S, **Deantonio L**, Carginin S, Donis L, Pisani C, Masini L, Gambaro G, Canonico PL, Genazzani AA, Krengli M Common European Mitochondrial Haplogroups in the Risk for Radiation-induced Subcutaneous Fibrosis in Breast Cancer Patients.. *Clin Oncol (R Coll Radiol).* 2016 Mar 9. . doi: 10.1016/j.clon.2016.02.007.
  17. Apicella G, Paolini M, **Deantonio L**, Masini L, Krengli M. Radiotherapy for vestibular schwannoma: Review of recent literature results. *Reports of Practical Oncology and Radiotherapy.* 2016; 21:399-406.
  18. 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 ; 102:111-7

19. Fossati, P., Vavassori, A., **Deantonio, L.**, Ferrara E., Krengli, M., Orecchia, R. Review of photon and proton radiotherapy for skull base tumours. *Reports of Practical Oncology and Radiotherapy*. 2016; 21: 336-55
20. **Deantonio L**, Cozzi S, Tunesi S, Brambilla M, Masini L, Pisani C, Gambaro G, Magnani C, Krengli M. Hypofractionated radiation therapy for breast cancer: long-term results in a series of 85 patients. *Tumori* 2016; 102:398-403
21. Krengli M, Pisani C, **Deantonio L** . Patient selection for partial breast irradiation by intraoperative radiation therapy: can magnetic resonance imaging be useful?-perspective from radiation oncology point of view. *J Thorac Dis*. 2016 ;8:E987-E992.
22. Terrazzino S, **Deantonio L**, Cargnin S, Donis L, Pisani C, Masini L, Gambaro G, Canonico PL, Genazzani AA, Krengli M. DNA Methyltransferase Gene Polymorphisms for Prediction of Radiation-induced Skin Fibrosis after Treatment of Breast Cancer: a Multifactorial Genetic Approach. *Cancer Res Treat*. 2016 Aug 23. doi: 10.4143/crt.2016.256. [Epub ahead of print]
23. De Bari B, Jumeau R, **Deantonio L**, Adib S, Godin S, Zeverino M, Moeckli R, Bourhis J, Prior JO, Ozsahin M. Role of functional imaging in treatment plan optimization of stereotactic body radiation therapy for liver cancer. *Tumori*. 2016 ;102:e21-e24.
24. Krengli M, Terrazzino S, **Deantonio L**. Hypofractionation for postoperative breast cancer radiotherapy: Is acute toxicity a limiting factor? (Editorial) *Translational Cancer Research* 2016 5, S684-S687.
25. Krengli M, Pisani C, **Deantonio L** , Surico D, Volpe A, Surico N, Terrone C. Intraoperative radiotherapy in gynaecological and genito-urinary malignancies: focus on endometrial, cervical, renal, bladder and prostate cancers. *Radiat Oncol* 2017; 12:18.
26. Gallizia E, Apicella G, Cena T, Di Genesio Pagliuca M, **Deantonio L**, Krengli M. The spine instability neoplastic score (SINS) in the assessment of response to radiotherapy for bone metastases. *Clin Transl Oncol*. 2017 Jun 16. 27.
27. Torras MG, Fundowicz M, Aliste L, Asensio E, Boladeras AM, Borràs JM, Carvalho L, Castro C, **Deantonio L**, Konstanty E, Krengli M, Kruszyna M, Lencart J, Macià M, Marín S, Muñoz-Montplet C, Pisani C, Pinto D, Puigdemont M, Guedea F, Aguiar A, Milecki P, Malicki J. Improving radiation oncology through clinical audits: Introducing the IROCA project. *Rep Pract Oncol Radiother*. 2017;22:408-414.
28. De Bari B, Breuneval T, Zeverino M, Godin S, **Deantonio L**, Geldhof C, Bourhis J, Schaefer N, Moeckli R, Prior J, Ozsahin M. Hepatobiliary scintigraphy allows the evaluation of short-term functional toxicity of liver stereotactic body radiotherapy: Results of a pilot study. *PLoS One*. 2018;13:e0204013.
29. **Deantonio L**, Caroli A, Puta E, Ferrante D, Apicella F, Turri L, Sacchetti G, Brambilla M, Krengli M. Does baseline [18F] FDG-PET/CT correlate with tumor staging, response after neoadjuvant chemoradiotherapy, and prognosis in patients with rectal cancer? *Radiat Oncol*. 2018;13:211.
30. Valli M, Cima S, Gaudino D, Cartolari R, **Deantonio L**, Frapolli M, Daniele D, Pesce GA, Martucci F, Azinwi NC, Bosetti D, Presilla S, Richetti A. Skin and lung toxicity in synchronous bilateral breast cancer treated with volumetric-

modulated arc radiotherapy: a mono-institutional experience. *Clin Transl Oncol.* 2019;21:1492-1498.

31. Gramaglia C, Gambaro E, Vecchi C, Licandro D, Raina G, Pisani C, Burgio V, Farruggio S, Rolla R, **Deantonio L**, Grossini E, Krengli M, Zeppegno P. Outcomes of music therapy interventions in cancer patients-A review of the literature. *Crit Rev Oncol Hematol.* 2019 Apr 5;138:241-254.
32. E. Zanoletti, A. Mazzoni, A. Martini, R.V. Abbritti, R. Albertini, E. Alexandre, V. Baro, S. Bartolini, D. Bernardeschi, R. Bivona, M. Bonali, I. Borghesi, D. Borsetto, R. Bovo, M. Breun, F. Calbucci, M.L. Carlson, A. Caruso, P. Cayé-Thomassen, D. Cazzador, P.-O. Champagne, R. Colangeli, G. Conte, D. d'Avella, G. Danesi, **L. Deantonio**, L. Denaro, F. Di Berardino, R. Draghi, F.H. Ebner, N. Favaretto, G. Ferri, A. Fioravanti, S. Froelich, A. Giannuzzi, L. Girasoli, B.R. Grossardt, M. Guidi, R. Hagen, S. Hanakita, D.G. Hardy, V.C. Iglesias, S. Jefferies, H. Jia, M. Kalamarides, I.N. Kanaan, M. Krengli, A. Landi, L. Lauda, D. Lepera, S. Lieber, S.L.K. Lloyd, A. Lovato, F. Maccarrone, R. Macfarlane, J. Magnan, L. Magnoni, D. Marchioni, J.P. Marinelli, G. Marioni, V. Mastronardi, C. Matthies, D.A. Moffat, S. Munari, M. Nardone, R. Pareschi, C. Pavone, E. Piccirillo, G. Piras, L. Presutti, G. Restivo, M. Reznitsky, E. Roca, A. Russo, M. Sanna, L. Sartori, M. Scheich, W. Shehata-Dieler, D. Soloperto, F. Sorrentino, O. Sterkers, A. Taibah, M. Tatagiba, G. Tealdo, D. Vlad, H. Wu, D. Zanetti. Surgery of the lateral skull base: a 50-year endeavour. *Acta Otorhinolaryngol Ital.* 2019 Jun;39(SUPPL. 1):S1-S146.
33. Terrazzino S, Cargnin S, **Deantonio L**, Pisani C, Masini L, Canonico PL, Genazzani AA, Krengli M. Impact of ATM rs1801516 on late skin reactions of radiotherapy for breast cancer: Evidences from a cohort study and a trial sequential meta-analysis. *PLoS One.* 2019;14:e0225685.
34. **Deantonio L**, Cima S, Leva S, Richetti A, Valli M. Hypofractionated volumetric modulated arc therapy (VMAT) for fragile patients with oesophageal cancer. *Clin Transl Oncol.* 2020;22:1532-1538.
35. **L Deantonio**, CC. Pinnix, R. Tsang. Radiation therapy of extranodal marginal zone lympho. *Ann Lymphoma* 2020;4:16
36. MA Piliero, M Casiraghi, DG Bosetti, S Cima, **L Deantonio**, S Leva, F Martucci, M Tettamanti, F Pupillo, L Bellesi, A Richetti, S Presilla. Patient-based low dose Cone Beam CT acquisition settings for prostate image guided radiotherapy treatments on a Varian TrueBeam linear accelerator. *Br J Radiol.* 2020;93:20200412.
37. Gregucci F, Fozza A, Falivene S, Smaniotto D, Morra A, Daidone A, Barbara R, Ciabattoni A; Italian Society of Radiotherapy and Clinical Oncology (AIRO) Breast Group: D Andrulli, F Arcidiacono, C Baiocchi, A Baldissera, R Barbarino, S Bartoncini, M Bono, A Buffoli, B Campanella, S Campoccia, G Catalano, M Cavallari, V Cerreta, A Ciabattoni, A Daidone, **L Deantonio**, F De Rose, S Del Bufalo, D Digennaro, D P Doino, G Evangelista, S Falivene, F Fedele, A Fiorentino, A Fodor, A Fontana, A Fozza, V Fusco, M Gatti, M Gerardi, M Giannini, A Girlando, M Guenzi, C Guida, A Huscher, T Iannone, V Iorio, E Ippolito, G Ivaldi, M La Porta, G Lazzari, M Lioce, O Lora, G Macchia, M G Mangiacotti, L Marafioti, L Marino, L Marmioli, A Maucieri, F Maurizi, L

- Mazzuoli, I Meattini, B Meduri, G Montesi, A Morra, F Munoz, M Nuzzo, S Orru, S Parisi, N Pasinetti, S Pedretti, E Perrucci, D Piva, A Prisco, V Ravo, A Santacaterina, T Scolaro, F Serafini, B Spigone, G Tolento, C Vidali, P Vitucci, G Zini . Present clinical practice of breast cancer radiotherapy in Italy: a nationwide survey by the Italian Society of Radiotherapy and Clinical Oncology (AIRO) Breast Group. *Radiol Med.* 2020;125:674-682.
38. M Fundowicz; A Aguiar; C Lopes de Castro; MG Torras; **L Deantonio**; E Konstanty; M Kruszyna- Mochalska; M Macia; E Canals; M Caro; C Pisani; Da Zwierzchowska; J Molero; A Eraso; J Lencart; C Muñoz-Montplet; L Carvalho; M Krengli; J Malicki; F Guedea. Multicentre clinical radiotherapy audit in rectal cancer: results of the IROCA project. *Radiat Oncol.* 2020;15:208.
  39. Bosetti DG, Ruinelli L, Piliero MA, van der Gaag LC, Pesce G, Valli MC, Bosetti M, Presilla S, Richetti A, **Deantonio L**. Cone-Beam Computed Tomography (CBCT) Based Radiomics in Prostate Cancer: A Mono-institutional Study. *Strahlenther Onkol.* 2020;196:943-951.
  40. **L Deantonio**, D Bosetti, S Cima, F Martucci, G Borgonovo, G Di Bella, GA Pesce, MC Valli, A Richetti. #Stayathome: Smart Working for Radiation Oncologist at the Time of Coronavirus. *Strahlenther Onkol.* 2020;196:1094-1095. .
  41. Pisani C, Vigna L, Mastroleo F, Loi G, Amisano V, Masini L, **Deantonio L**, Aluffi Valletti P, Sacchetti G, Krengli M. Correlation of [18F] FDG-PET/CT with dosimetry data: recurrence pattern after radiotherapy for head and neck carcinoma. *Radiat Oncol.* 2021;16:57.
  42. Alfieri S, Romanò R, Bologna M, Calareso G, Corino V, Mirabile A, Ferri A, Bellanti L, Poli T, Marcantoni A, Grosso E, Tarsitano A, Battaglia S, Blengio F, De Martino I, Valerini S, Vecchio S, Richetti A, **Deantonio L**, Martucci F, Grammatica A, Ravanelli M, Ibrahim T, Caruso D, Locati LD, Orlandi E, Bossi P, Mainardi L, Licitra LF. Prognostic role of pre-treatment magnetic resonance imaging (MRI)-based radiomic analysis in effectively cured head and neck squamous cell carcinoma (HNSCC) patients. *Acta Oncol.* 2021;60:1192-1200.
  43. Lopes de Castro C, Fundowicz M, Roselló A, Jové J, **Deantonio L**, Aguiar A, Pisani C, Villà S, Boladeras A, Konstanty E, Kruszyna-Mochalska M, Milecki P, Jurado-Bruggeman D, Lencart J, Modolell I, Muñoz-Montplet C, Aliste L, Torras MG, Puigdemont M, Carvalho L, Krengli M, Guedea F, Malicki J. Results of the IROCA international clinical audit in prostate cancer radiotherapy at six comprehensive cancer centres. *Sci Rep.* 2021 Jun 10;11(1):12323.
  44. **Deantonio L**, Garo ML, Paone G, Valli MC, Cappio S, La Regina D, Cefali M, Palmarocchi MC, Vannelli A, De Dosso S. 18F-FDG PET Radiomics as Predictor of Treatment Response in Oesophageal Cancer: A Systematic Review and Meta-Analysis. *Front Oncol.* 2022;12:861638.
  45. Lupattelli M, Tini P, Nardone V, Aristei C, Borghesi S, Maranzano E, Anselmo P, Ingrosso G, **Deantonio L**, di Monale E Bastia MB. Stereotactic radiotherapy for brain oligometastases. *Rep Pract Oncol Radiother.* 2022;27:15-22.
  46. Najafi M, Jahanbakhshi A, Gomar M, Iotti C, Giaccherini L, Rezaie O, Cavallieri F, **Deantonio L**, Bardoscia L, Botti A, Sardaro A, Cozzi S, Ciammella P. State of the Art in Combination Immuno/Radiotherapy for Brain Metastases:

Systematic Review and Meta-Analysis. *Curr Oncol*. 2022;29:2995-3012.

47. Cozzi S, Augugliaro M, Ciammella P, Botti A, Trojani V, Najafi M, Blandino G, Ruggieri MP, Giaccherini L, Alì E, Iori F, Sardaro A, Finocchi Gherzi S, **Deantonio L**, Gutierrez Miguez C, Iotti C, Bardoscia L. The Role of Interstitial Brachytherapy for Breast Cancer Treatment: An Overview of Indications, Applications, and Technical Notes. *Cancers (Basel)*. 2022;14(10):2564.
48. Roesel R, Epistolio S, Molinari F, Saletti P, De Dosso S, Valli M, Franzetti-Pellanda A, **Deantonio L**, Biggiogero M, Spina P, Popeskou SG, Cristaudi A, Mongelli F, Mazzucchelli L, Stefanini FM, Frattini M, Christoforidis D. A Pilot, Prospective, Observational Study to Investigate the Value of NGS in Liquid Biopsies to Predict Tumor Response After Neoadjuvant Chemo-Radiotherapy in Patients With Locally Advanced Rectal Cancer: The LiBRECa Study. *Front Oncol*. 2022;12:900945.
49. **Deantonio L**, Castronovo F, Paone G, Treglia G, Zilli T. Metabolic Imaging for Radiation Therapy Treatment Planning: The Role of Hybrid PET/MR Imaging, Magn Reson Imaging Clin N Am. 2023;31(4):637-654.
50. Roesel R, **Deantonio L**, Bernardi L, Garo ML, Majno-Hurst P, Vannelli A, Cefali M, Palmarocchi MC, Valli MC, Pesola G, Cristaudi A, De Dosso S. Neo-Adjuvant Treatment in Primary Resectable Pancreatic Cancer: A Systematic Review and PRISMA-Compliant Updated Metanalysis of Oncological Outcomes. *Cancers (Basel)*. 2023 Sep 19;15(18):4627.
51. **Deantonio L**, De Bari B, Franco P. Editorial: Ano-rectal and gastro-esophageal cancer: diving into diagnostic and therapeutic imaging modalities for radiotherapy. *Front Oncol*. 2023 Aug 31;13:1276334.
52. **Deantonio L**, Vigna L, Paolini M, Matheoud R, Sacchetti GM, Masini L, Loi G, Brambilla M, Krengli M. Application of a smart [18F] FDG-PET adaptive threshold segmentation algorithm for the biological target volume delineation in head and neck cancer. *Q J Nucl Med Mol Imaging*. 2023;67(3):238-244. .

#### **Author book chapter:**

Krengli M, Zanoletti E, **Deantonio L**. (2018) Radiation Therapy in Acoustic Neuroma. In: Wenz F. (eds) *Radiation Oncology*. Springer, Cham. DOI:10.1007/978-3-319-52619-5\_11-1.

H.W. Strauss et al. (eds.), *Teaching cases in nuclear oncology: Uterine cancers Nuclear Oncology: From Pathophysiology to Clinical Applications*, 2022, pp. 2089–2109

She is author and co-author of more than 70 abstracts in Congress Proceedings and she presented her scientific work as oral communication in several congresses.

#### **Reviewer for peer-reviewed journals:**

*Tumori Journal*, *International Journal Radiation Biology*, *Journal of Biomedical Research*, *Reports of Practical Oncology & Radiotherapy*, *International Journal of Surgery Protocols*, *Journal of Men's Health*, *Journal of Perinatology and Pediatrics*; *Frontiers in Oncology*; *Cancers*, *Current oncology*, *Clinical and Translational Oncology*.

#### **Guest Editor for Special Issue:**

2021 *Frontiers in Oncology* "Anorectal and Gastroesophageal cancer: diving into



diagnostic and Therapeutic imaging modalities for radiotherapy”  
2022 Cancers “Advances in Cancer Radiotherapy”  
2022 Current Oncology “Radiotherapy for Prostate Cancer”

**ADDITIONAL INFORMATION**

***Affiliations:***

ESTRO European Society for Therapeutic Radiology and Oncology  
ILROG International Lymphoma Radiation Oncology Group  
SASRO Swiss Association of Radiation Oncologist  
SAKK Swiss Group for Clinical Cancer Research  
SWIRO Swiss Women in Radio-oncology  
AIRO Associazione Italiana di Radioterapia Oncologica

Bellinzona 01.11.2023

