



Ester Orlandi

WORK EXPERIENCE

Researcher at Department of Clinical, Surgical, Diagnostic and Pediatric Sciences
University of Pavia [16/02/2024 – Current]

Director of the Clinical Department
National Center for Oncological Hadrontherapy (CNAO) [16/03/2020 – Current]

City: Pavia
Country: Italy

Chief of the Radiotherapy Unit
National Center for Oncological Hadrontherapy (CNAO) [16/03/2020 – Current]

City: Pavia
Country: Italy

Full Staff position – Radiotherapy 1 & 2 Units Diagnostic Imaging and Radiotherapy Department
Fondazione IRCCS Istituto Nazionale dei Tumori [04/01/2008 – 13/03/2020]

City: Milan
Country: Italy

Freelance Associate Radiation Oncologist - Radiotherapy 2 Unit- Diagnostic Imaging and Radiotherapy Department
Fondazione IRCCS Istituto Nazionale dei Tumori [11/2004 – 28/12/2005]

City: Milan
Country: Italy

EDUCATION AND TRAINING

Italian National Scientific licence for Full Professorship (Scientific Field- MED 36- Radiology, Radiation Oncology, Nuclear Medicine)
MIUR - Italian Ministry for University and Research [11/2023 – Current]

Website: <https://www.miur.gov.it/>

Italian National Scientific licence for Associate Professorship (scientific Field- MED 36- Radiology, Radiation Oncology, Nuclear Medicine)
MIUR - Italian Ministry for University and Research [04/2018 – 11/2023]

Website: <https://www.miur.gov.it/>

Postgraduate Specialization in Oncological Radiotherapy, grade 70/70 with honors (cum laude)
University of Milano - Bicocca [09/2000 – 10/2004]

City: Milan
Country: Italy
Website: <https://www.unimib.it/>

Master's Degree in Medicine and Surgery, grade 110/110 with honors (cum laude)
University of Milan [09/1992 – 08/2000]

City: Milan

Country: Italy

Website: www.unimi.it

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

French

English

LISTENING B2 READING B2 WRITING B1

LISTENING B1 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2 SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

NETWORKS AND MEMBERSHIPS

Faculty Member of the Working Group on Clinical Trials at HNCIG (Head and Neck Cancer International Group)

[04/2023 – Current]

ESMO 2024 Scientific Committee for the Program Section 'Head and neck cancer, excluding thyroid

[12/2022 – 09/2024]

ESMO - European Society of Medical Oncology Faculty Member for Head and Neck Cancer Faculty

[01/2021 – Current]

Faculty Member of the Head and Neck Working Group at HNCIG (Head and Neck Cancer International Group)

[01/2021 – Current]

Steering Committee member of EORTC Head and Neck Group

[09/2021 – Current]

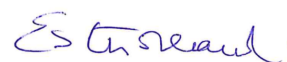
Radiation Oncology Scientific Council (ROSC) Representative for the EORTC Head and Neck Group of ROSC

[03/2020 – Current]

Italian Association of Head and Neck Oncology Consilour (AIOCC)

[04/2019 – Current]

22/02/2024



Ester Orlandi

Peer-reviewed Articles

Official H index by Scopus: 26; Scopus Author Id: 7005698929; ORCID ID: 0000-0001-6495-8574; RESEARCH ID: B-9486-2017 – Citations by Scopus: 2069 (Last Update 22.02.2024)

- 1: Vischioni B, Ingargiola R, Bonora M, Ronchi S, Camarda AM, Russo S, Rossi E, Magro G, Mirandola A, Orlandi E. *Particle Reirradiation of Malignant Epithelial and Neuroectodermal Sinonasal Tumors: A Case Series from CNAO*. J Clin Med. 2023 Mar 31;12(7):2624. doi: 10.3390/jcm12072624.
- 2: Charalampopoulou A, Barcellini A, Frittitta GE, Fulgini G, Ivaldi GB, Magro G, Liotta M, Orlandi E, Pullia MG, Tabarelli de Fatis P, Facchetti A. *In Vitro Effects of Photon Beam and Carbon Ion Radiotherapy on the Perineural Invasion of Two Cell Lines of Neurotropic Tumours*. Life (Basel). 2023 Mar 15;13(3):794. doi: 10.3390/life13030794. PMID: 36983949; PMCID: PMC10056732.
- 3: Hoppe BS, Petersen IA, Wilke BK, DeWees TA, Imai R, Hug EB, Fiore MR, Debus J, Fossati P, Yamada S, Orlandi E, Zhang Q, Bao C, Seidensaal K, May BC, Harrell AC, Houdek MT, Vallow LA, Rose PS, Haddock MG, Ashman JB, Goulding KA, Attia S, Krishnan S, Mahajan A, Foote RL, Laack NN, Keole SR, Beltran CJ, Welch EM, Karim M, Ahmed SK. *Pragmatic, Prospective Comparative Effectiveness Trial of Carbon Ion Therapy, Surgery, and Proton Therapy for the Management of Pelvic Sarcomas (Soft Tissue/Bone) Involving the Bone: The PROSPER Study Rationale and Design*. Cancers (Basel). 2023 Mar 8;15(6):1660. doi: 10.3390/cancers15061660.
- 4: Cavalieri S, Vitolo V, Barcellini A, Ronchi S, Facchetti A, Campo C, Klersy C, Molinelli S, Agustoni F, Ferretti VV, Silvestri A, Platania M, Vecchio MD, Durante M, Helm A, Fournier C, Braud F, Pedrazzoli P, Orlandi E, Licitra L. *Immune checkpoint inhibitors and Carbon iON radiotherapy In solid Cancers with stable disease (ICONIC)*. Future Oncol. 2023 Jan;19(3):193-203. doi:10.2217/fon-2022-0503.
- 5: Viganò A, De Felice F, Iacovelli NA, Alterio D, Ingargiola R, Casbarra A, Facchinetti N, Oneta O, Bacigalupo A, Tornari E, Ursino S, Paiar F, Caspiani O, Di Rito A, Musio D, Bossi P, Steca P, Jerezek-Fossa BA, Caso L, Palena N, Greco A, Orlandi E. *Quality of life changes over time and predictors in a large head and neck patients' cohort: secondary analysis from an Italian multi-center longitudinal, prospective, observational study—a study of the Italian Association of Radiotherapy and Clinical Oncology (AIRO) head and neck working group*. Support Care Cancer. 2023 Mar 17;31(4):220. doi:10.1007/s00520-023-07661-2.
- 6: Trama A, Licitra L, Cavalieri S, Bonfarnuzzo S, Baili P, Ciarfella A, Parente P, Almadori G, Ansarin M, Bacigalupo A, Baumeister P, Baujat B, Bossi P, Cavalera E, Cercato MC, Dieleman F, Fakhry N, Ferraresi V, Gaino F, Galizia D, Halamkova J, Halme E, Hardillo J, Hofauer B, Kinloch E, Livi L, Locati LD, Mattheis S, Mercante G, Mirabile A, Molteni G, Orlandi E, Persio R, Sciallero S, Smeele L, Tagliabue M, Valentini V, Van Harpen C, Westphalen CB, Botta L. *The observational clinical registry (cohort design) of the European Reference Network on Rare Adult Solid Cancers: The protocol for the rare head and neck cancers*. PLoS One. 2023 Mar 16;18(3):e0283071. doi: 10.1371/journal.pone.0283071.
- 7: Carsuzaa F, Favier V, Ferrari M, Turri-Zanoni M, Ingargiola R, Camarda AM, Seguin L, Contro G, Orlandi E, Thariat J. *Need for close interdisciplinary communication after endoscopic endonasal surgery to further personalize postoperative radiotherapy in sinonasal malignancies*. Front Oncol. 2023 Feb 28;13:1130040. doi: 10.3389/fonc.2023.1130040.
- 8: Dionisi F, Di Rito A, Errico A, Iaccarino G, Farneti A, D'Urso P, Nardangeli A, Bambace S, D'Onofrio I, D'Angelo E, De Felice F, Fanetti G, Belgioia L, Alterio D, Orlandi E, Merlotti A, Musio D, Sanguineti G. *Nasopharyngeal cancer: the impact of guidelines and teaching on radiation target volume delineation*. Radiol Med. 2023 Mar;128(3):362-371. doi: 10.1007/s11547-023-01612-x.
- 9: Locati LD, Herman I, Benazzo M, Bonomo P, Ferri A, Maroldi R, Molteni G, Bossi P, Orlandi E. *Implementing a virtual multidisciplinary clinical case discussion to manage rare and complex head and neck cancers: an expert-defined protocol proposal from the Italian Association of Head and Neck Oncology (AIOCC)*. Acta Otorhinolaryngol Ital. 2023 Feb;43(1):82-84. doi:10.14639/0392-100X-N2368.

- 10: Parrella G, Vai A, Nakas A, Garau N, Meschini G, Camagni F, Molinelli S, Barcellini A, Pella A, Ciocca M, Vitolo V, [Orlandi E](#), Paganelli C, Baroni G. *Synthetic CT in Carbon Ion Radiotherapy of the Abdominal Site*. *Bioengineering* (Basel). 2023 Feb 14;10(2):250. doi: 10.3390/bioengineering10020250.
- 11: De Felice F, Marchetti C, Serpone M, Camarda A, Vischioni B, Ingargiola R, Musio D, [Orlandi E](#). *Upper-neck irradiation versus standard whole-neck irradiation in nasopharyngeal carcinoma: A systematic review and meta-analysis*. *Tumori*. 2023 Feb 16:3008916231154765. doi: 10.1177/03008916231154765.
- 12: Loap P, Barcellini A, de Marzi L, [Orlandi E](#), Kirova Y. *Neutron brachytherapy in the modern era: Indications and evidence*. *Cancer Radiother*. 2023 Apr;27(2):170-177. doi: 10.1016/j.canrad.2022.08.010.
- 13: Fontana G, Riva G, [Orlandi E](#). *Editorial for "Improving Noninvasive Classification of Molecular Subtypes of Adult Gliomas With Diffusion-Weighted MR Imaging: An Externally Validated Machine Learning Algorithm"*. *J Magn Reson Imaging*. 2023 Feb 2. doi: 10.1002/jmri.28627.
- 14: Barcellini A, Charalampopoulou A, De Cecco L, Fodor A, Rabaiotti E, Candotti G, Secondino S, Facchetti A, Locati LD, Pignata S, [Orlandi E](#), Mangili G. *Ovarian Cancer Radiosensitivity: What Have We Understood So Far?* *Life* (Basel). 2022 Dec 20;13(1):6. doi: 10.3390/life13010006.
- 15: Morelli L, Parrella G, Molinelli S, Magro G, Annunziata S, Mairani A, Chalaszczuk A, Fiore MR, Ciocca M, Paganelli C, [Orlandi E](#), Baroni G. *A Dosimetry Analysis Based on Linear Energy Transfer and Biological Dose Maps to Predict Local Recurrence in Sacral Chordomas after Carbon-Ion Radiotherapy*. *Cancers* (Basel). 2022 Dec 21;15(1):33. doi: 10.3390/cancers15010033.
- 16: Morelli L, Palombo M, Buizza G, Riva G, Pella A, Fontana G, Imperato S, Iannalfi A, [Orlandi E](#), Paganelli C, Baroni G. *Microstructural parameters from DW-MRI for tumour characterization and local recurrence prediction in particle therapy of skull-base chordoma*. *Med Phys*. 2023 Jan 5. doi: 10.1002/mp.16202.
- 17: Cavalieri S, Bossi P, Infante G, Miceli R, Iacovelli NA, Ivaldi E, Locati LD, Bergamini C, Resteghini C, Nuzzolese I, Alfieri S, Colombo E, Ingargiola R, Franceschini M, Calareso G, Licitra L, [Orlandi E](#). *The Interplay between Age and Viral Status in EBV-Related Nasopharyngeal and HPV-Related Oropharyngeal Carcinoma Patients*. *Cancers* (Basel). 2022 Dec 14;14(24):6170. doi: 10.3390/cancers14246170.
- 18: Barcellini A, Dominoni M, Gardella B, Mangili G, [Orlandi E](#). *Gynecological radio-induced secondary malignancy after a gynecological primary tumor: a rare entity and a challenge for oncologists*. *Int J Gynecol Cancer*. 2022 Oct 3;32(10):1321-1326. doi: 10.1136/ijgc-2022-003686. PMID: 36515563.
- 19: Barcellini A, Mangili G, Fodor A, Secondino S, Zerbetto F, Charalampopoulou A, Pignata S, [Orlandi E](#), Bergamini A. *Granulosa cell tumors (GCTs) of the ovary: What is the role of radiotherapy?* *Crit Rev Oncol Hematol*. 2023 Jan;181:103889. doi: 10.1016/j.critrevonc.2022.103889.
- 20: Taverna F, Alfieri S, Romanò R, Campanini G, Marcegaglia S, Giardina F, Mazzocchi A, Comoli P, Gloghini A, Quattrone P, Bergamini C, Apollonio G, Filippini DM, [Orlandi E](#), Locati LD, Licitra L, Baldanti F, Bossi P. *Comparing BamHI-W and CE-marked assays to detect circulating Epstein-Barr Virus (EBV) DNA of nasopharyngeal cancer patients in a non-endemic area*. *Oral Oncol*. 2022 Dec;135:106229. doi: 10.1016/j.oraloncology.2022.106229.
- 21: Merlotti A, Alterio D, [Orlandi E](#), Racadot S, Bonomo P, Franco P, D'Angelo E, Ursino S, Pointreau Y, Lapeyre M, Graff P, Di Rito A, Argenone A, Musio D, De Felice F, Dionisi F, Fanetti G, D'Onofrio I, Belgioia L, Maddalo M, Scricciolo M, Bourhis J, Russi E, Thariat J. *AIRO GORTEC consensus on postoperative radiotherapy (PORT) in low-intermediate risk early stages oral squamous cell cancers (OSCC)*. *Radiother Oncol*. 2022 Dec;177:95-104. doi: 10.1016/j.radonc.2022.10.035.
- 22: Barcellini A, Fontana G, Filippini DM, Ronchi S, Bonora M, Vischioni B, Ingargiola R, Camarda AM, Loap P, Facchinetti N, Licitra L, Baroni G, [Orlandi E](#). *Exploring the role of neutrophil-to-lymphocyte ratio and blood chemistry in head and neck adenoid cystic carcinomas treated with carbon ion radiotherapy*. *Radiother Oncol*. 2022 Dec;177:143-151. doi: 10.1016/j.radonc.2022.10.027.

- 23: Bologna M, Tenconi C, Corino VDA, Annunziata G, Orlandi E, Calareso G, Pignoli E, Valdagni R, Mainardi LT, Rancati T. *Repeatability and reproducibility of MRI-radiomic features: A phantom experiment on a 1.5 T scanner*. Med Phys. 2023 Feb;50(2):750-762. doi: 10.1002/mp.16054.
- 24: Patel CG, Peterson J, Aznar M, Tseng YD, Lester S, Pafundi D, Flampouri S, Mohindra P, Parikh RR, Mailhot Vega R, Konig L, Plastaras JP, Bates JE, Loap P, Kirova YM, Orlandi E, Lütgendorf-Caucig C, Ntentas G, Hoppe B. *Systematic review for deep inspiration breath hold in proton therapy for mediastinal lymphoma: A PTCOG Lymphoma Subcommittee report and recommendations*. Radiother Oncol. 2022Dec;177:21-32. doi: 10.1016/j.radonc.2022.10.003.
- 25: Moglioni M, Kraan AC, Baroni G, Battistoni G, Belcari N, Berti A, Carra P, Cerello P, Ciocca M, De Gregorio A, De Simoni M, Del Sarto D, Donetti M, Dong Y, Embriaco A, Fantacci ME, Ferrero V, Fiorina E, Fischetti M, Franciosini G, Giraudo G, Laruina F, Maestri D, Magi M, Magro G, Malekzadeh E, Marafini M, Mattei I, Mazzoni E, Mereu P, Mirandola A, Morrocchi M, Muraro S, Orlandi E, Patera V, Pennazio F, Pullia M, Retico A, Rivetti A, Da Rocha Rolo MD, Rosso V, Sarti A, Schiavi A, Sciubba A, Sportelli G, Tampellini S, Toppi M, Traini G, Trigilio A, Valle SM, Valvo F, Vischioni B, Vitolo V, Wheadon R, Bisogni MG. *In vivo range verification analysis with in-beam PET data for patients treated with proton therapy at CNAO*. Front Oncol. 2022 Sep 26;12:929949. doi:10.3389/fonc.2022.929949.
- 26: Arosio AD, Bernasconi DP, Valsecchi MG, Pacifico C, Battaglia P, Bignami M, Ferrari M, Mattavelli D, Rampinelli V, Tomasoni M, Schreiber A, Gualtieri T, Piazza C, Magrini SM, Tartaro T, Molteni M, Lambertoni A, Sileo G, Bossi P, Orlandi E, Bertazzoni G, Fiaux-Camous D, Jourdaine C, Verillaud B, Herman P, Nicolai P, Castelnuovo P, Turri-Zanoni M. *Patterns of recurrences in sinonasal cancers undergoing an endoscopic surgery-based treatment: Results of the MUSES* on 940 patients: *MULTI-institutional collaborative Study on Endoscopically treated Sinonasal cancers*. Oral Oncol. 2022 Nov;134:106123. doi:10.1016/j.oraloncology.2022.106123.
- 27: Molinelli S, Vai A, Russo S, Loap P, Meschini G, Paganelli C, Barcellini A, Vitolo V, Orlandi E, Ciocca M. *The role of multiple anatomical scenarios in plan optimization for carbon ion radiotherapy of pancreatic cancer*. Radiother Oncol. 2022 Nov;176:1-8. doi: 10.1016/j.radonc.2022.09.005.
- 28: Barcellini A, Dusi V, Mirandola A, Ronchi S, Riva G, Dal Mas F, Massaro M, Vitolo V, Ciocca M, Rordorf R, Orlandi E. *The impact of particle radiotherapy on the functioning of cardiac implantable electronic devices: a systematic review of in vitro and in vivo studies according to PICO criteria*. Radiol Med. 2022 Sep;127(9):1046-1058. doi: 10.1007/s11547-022-01520-6.
- 29: Demurtas S, Ingargiola R, Orlandi E, Locati LD. *How can we address the challenge of distant metastases in HNSCC prognosis?* Expert Rev Anticancer Ther. 2022 Aug;22(8):781-783. doi: 10.1080/14737140.2022.2096008.
- 30: De Felice F, Vai A, Camarda AM, Iacovelli NA, Orlandi E. *Lower-Neck Sparing Using Proton Therapy in Patients with Uninvolved Neck Nasopharyngeal Carcinoma: Is It Safe?* J Clin Med. 2022 Jun 9;11(12):3297. doi: 10.3390/jcm11123297.
- 31: Pellegrini I, Quattrone P, Dagrada G, Vischioni B, Orlandi E, Colombo E, Licitra L, Locati LD. *NR4A3 fusion molecular profile change pathological diagnosis? A case report*. Oral Oncol. 2022 Aug;131:105964. doi:10.1016/j.oraloncology.2022.105964.
- 32: Ferrari M, Mattavelli D, Tomasoni M, Raffetti E, Bossi P, Schreiber A, Orlandi E, Taboni S, Rampinelli V, Gualtieri T, Turri-Zanoni M, Battaglia P, Arosio AD, Bignami M, Tartaro T, Molteni M, Bertazzoni G, Fiaux-Camous D, Jourdaine C, Verillaud B, Eu D, Nair D, Moiyadi A, Shetty P, Ghosh-Laskar S, Budrukkar A, Magrini SM, Guillerm S, Faivre S, Piazza C, Gilbert RW, Irish JC, de Almeida JR, Pai P, Herman P, Castelnuovo P, Nicolai P. *The MUSES*: a prognostic study on 1360 patients with sinonasal cancer undergoing endoscopic surgery-based treatment: *MULTI-institutional collaborative Study on Endoscopically treated Sinonasal cancers*. Eur J Cancer. 2022 Aug;171:161-182. doi: 10.1016/j.ejca.2022.05.010.

- 33: Fontana G, Barcellini A, Boccuzzi D, Pecorilla M, Loap P, Cobianchi L, Vitolo V, Fiore MR, Vai A, Baroni G, Preda L, Imperato S, Orlandi E. *Role of diffusion-weighted MRI in recurrent rectal cancer treated with carbon ion radiotherapy*. *Future Oncol*. 2022 Jul;18(22):2403-2412. doi: 10.2217/fon-2021-1554.
- 34: Mirandola A, Russo S, Bonora M, Vischioni B, Camarda AM, Ingargiola R, Molinelli S, Ronchi S, Rossi E, Vai A, Iacovelli NA, Thariat J, Ciocca M, Orlandi E. *A Patient Selection Approach Based on NTCP Models and DVH Parameters for Definitive Proton Therapy in Locally Advanced Sinonasal Cancer Patients*. *Cancers (Basel)*. 2022 May 28;14(11):2678. doi: 10.3390/cancers14112678.
- 35: Loap P, Orlandi E, De Marzi L, Vitolo V, Barcellini A, Iannalfi A, Dendale R, Kirova Y, Mirandola A. *Cardiotoxicity model-based patient selection for Hodgkin lymphoma proton therapy*. *Acta Oncol*. 2022 Aug;61(8):979-986. doi: 10.1080/0284186X.2022.2084639.
- 36: Simoni N, Rossi G, Cellini F, Vitolo V, Orlandi E, Valentini V, Mazzarotto R, Sverzellati N, D'Abbiere N. *Ablative Radiotherapy (ART) for Locally Advanced Pancreatic Cancer (LAPC): Toward a New Paradigm?* *Life (Basel)*. 2022 Mar 22;12(4):465. doi: 10.3390/life12040465.
- 37: Mannelli G, Comini LV, Sacchetto A, Santoro R, Spinelli G, Bonomo P, Desideri I, Bossi P, Orlandi E, Alderotti G, Franchi A, Palomba A, Eccher A, Marchioni D, Nocini R, Piazza C, Molteni G. *Estimating survival after salvage surgery for recurrent salivary gland cancers: Systematic review*. *Head Neck*. 2022 Aug;44(8):1961-1975. doi: 10.1002/hed.27062.
- 38: Vischioni B, Russo S, Meuli M, Bonora M, Ronchi S, Ingargiola R, Camarda AM, Imperato S, Preda L, Ciocca M, Molinelli S, Orlandi E. *Dosimetric and Clinical Risk Factors for the Development of Maxillary Osteoradionecrosis in Adenoid Cystic Carcinoma (ACC) Patients Treated With Carbon Ion Radiotherapy*. *Front Oncol*. 2022 Mar 2;12:829502. doi: 10.3389/fonc.2022.829502.
- 39: Vai A, Molinelli S, Rossi E, Iacovelli NA, Magro G, Cavallo A, Pignoli E, Rancati T, Mirandola A, Russo S, Ingargiola R, Vischioni B, Bonora M, Ronchi S, Ciocca M, Orlandi E. *Proton Radiation Therapy for Nasopharyngeal Cancer Patients: Dosimetric and NTCP Evaluation Supporting Clinical Decision*. *Cancers (Basel)*. 2022 Feb 22;14(5):1109. doi: 10.3390/cancers14051109.
- 40: De Felice F, Locati LD, Ronchi S, Thariat J, Orlandi E. *Quality of life and financial toxicity after (chemo)radiation therapy in head and neck cancer: are there any sex- or gender-related differences?* *Tumori*. 2022 Dec;108(6):522-525. doi: 10.1177/03008916221078885.
- 41: Barcellini A, Mirandola A, Fiore MR, Orlandi E, Cobianchi L. *Omentum flap as a spacer before carbon ion radiotherapy for gynecological recurrences. A technical note*. *Cancer Radiother*. 2022 Jun;26(4):599-603. doi: 10.1016/j.canrad.2021.12.009.
- 42: Barcellini A, Massaro M, Dal Mas F, Langendijk JA, Høyer M, Calugaru V, Haustermans K, Timmermann B, Thariat J, Scartoni D, Vennarini S, Georg P, Orlandi E. *A year of pandemic for European particle radiotherapy: A survey on behalf of EPTN working group*. *Clin Transl Radiat Oncol*. 2022 Feb 24;34:1-6. doi:10.1016/j.ctro.2022.02.004.
- 43: Corino VDA, Bologna M, Calareso G, Resteghini C, Sdao S, Orlandi E, Licitra L, Mainardi L, Bossi P. *Refining Tumor Treatment in Sinonasal Cancer Using Delta Radiomics of Multi-Parametric MRI after the First Cycle of Induction Chemotherapy*. *J Imaging*. 2022 Feb 15;8(2):46. doi: 10.3390/jimaging8020046.
- 44: Barcellini A, Dominoni M, Dal Mas F, Biancuzzi H, Venturini SC, Gardella B, Orlandi E, Bø K. *Sexual Health Dysfunction After Radiotherapy for Gynecological Cancer: Role of Physical Rehabilitation Including Pelvic Floor Muscle Training*. *Front Med (Lausanne)*. 2022 Feb 3;8:813352. doi: 10.3389/fmed.2021.813352.
- 45: Meschini G, Vai A, Barcellini A, Fontana G, Molinelli S, Mastella E, Pella A, Vitolo V, Imperato S, Orlandi E, Ciocca M, Baroni G, Paganelli C. *Time-resolved MRI for off-line treatment robustness evaluation in carbon-ion radiotherapy of pancreatic cancer*. *Med Phys*. 2022 Apr;49(4):2386-2395. doi:10.1002/mp.15510. Epub 2022 Feb 17.

- 46: Locati LD, Serafini MS, Careno A, Canevari S, Perrone F, Orlandi E, Delbue S, Cavalieri S, Berzeri G, Pichiecchio A, Licitra LF, Marchioni E, De Cecco L. *Complete Response to Nivolumab in Recurrent/Metastatic HPV-Positive Head and Neck Squamous Cell Carcinoma Patient After Progressive Multifocal Leukoencephalopathy: A Case Report*. *Front Oncol*. 2022 Jan 10;11:799453. doi: 10.3389/fonc.2021.799453.
- 47: Loap P, Mirandola A, De Marzi L, Vitolo V, Barcellini A, Iannalfo A, Dendale R, Kirova Y, Orlandi E. *Cardiac conduction system exposure with modern radiotherapy techniques for mediastinal Hodgkin lymphoma irradiation*. *Acta Oncol*. 2022 Apr;61(4):496-499. doi: 10.1080/0284186X.2021.2025265.
- 48: Mastella E, Molinelli S, Magro G, Russo S, Bonora M, Ronchi S, Ingargiola R, Jensen AD, Ciocca M, Vischioni B, Orlandi E. *In Silico Feasibility Study of Carbon Ion Radiotherapy With Simultaneous Integrated Boost for Head and Neck Adenoid Cystic Carcinoma*. *Front Oncol*. 2021 Dec 13;11:772580. doi:10.3389/fonc.2021.772580.
- 49: Loap P, De Marzi L, Almeida CE, Barcellini A, Bradley J, de Santis MC, Dendale R, Jimenez R, Orlandi E, Kirova Y. *Hadrontherapy techniques for breast cancer*. *Crit Rev Oncol Hematol*. 2022 Jan;169:103574. doi:10.1016/j.critrevonc.2021.103574. Epub 2021 Dec 24.
- 50: Ferrari M, Zanoletti E, Taboni S, Cazzador D, Tealdo G, Schreiber A, Mattavelli D, Rampinelli V, Doglietto F, Fontanella MM, Buffoli B, Vural A, Verzeletti V, Carobbio ALC, Mardighian D, Causin F, Orlandi E, Cenzato M, Rezzani R, Nicolai P. *Resection of the internal carotid artery in selected patients affected by cancer of the skull base*. *Head Neck*. 2022 Apr;44(4):1030-1042. doi: 10.1002/hed.26967.
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