

PERSONAL  
INFORMATION

## ANDREA D'AVIERO



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Sex Male  
Date and Place of birth 15/01/1989 Castel di Sangro  
(AQ), Italy  
Nationality Italian  
Tax code: DVRNDR89A15C096N

PROFESSIONAL  
EXPERIENCES

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May 2024 – ongoing	<b>Associate Professor of Radiation Oncology</b> Department of Medical, Oral and Biotechnological Sciences “G. d’Annunzio” University of Chieti-Pescara
May 2024 – ongoing	<b>MD, Radiation Oncology Physician</b> ASL2 Lanciano Vasto Chieti UOC Radioterapia Oncologica
October 2023– ongoing	<b>AIRO IRT-IORT Study Group Secretary</b> AIRO (Associazione Italiana di Radioterapia e Oncologia Clinica)
June 2023– ongoing	<b>National scientific qualification for Associate Professor</b> Sector 06/I1 MIUR
February 2023– ongoing	<b>Editorial Board Member</b> Oncology Research and Treatment – Karger Publisher BMC Cancer – BMC PLOS ONE – Public Library of Science (PLOS)
June 2021 – April 2024	<b>MD, Radiation Oncology Physician</b>

Mater Olbia Hospital  
Radiation Oncology

January 2021 – May 2021

[MD, Radiation Oncology Physician - freelance](#)

Medipass srl c/o Fondazione Policlinico Universitario A. Gemelli IRCCS,  
Roma  
U.O.C. di Radioterapia Oncologica

November 2020 – December  
2020

[MD, Radiation Oncology Physician](#)

Fondazione Policlinico Universitario A. Gemelli IRCCS, Roma  
U.O.C. di Radioterapia Oncologica

February 2020 - Ongoing

VALIDATE (Value-bAsed Learning for Innovation, Digital-health, Artificial intelligence) project endorsed by Italian Minister for Technological Innovation and Digital Transition – member of Scientific Coordinating Panel

November 2016 – Ongoing

ESTRO (European Society of Radiotherapy and Oncology) Member

November 2016 – Ongoing

AIRO (Associazione Italiana di Radioterapia e Oncologia Clinica) Member

November 2016 – October 2020

[Radiation Oncology Residency Program](#)

Università Cattolica del Sacro Cuore, Roma  
Dipartimento di Scienze Radiologiche ed Ematologiche  
Fondazione Policlinico Universitario A. Gemelli IRCCS, Roma  
Director: Prof. V. Valentini

2019 - 2020

Representative of Radiation Oncology residents – Università Cattolica del Sacro Cuore, Rome

June 2018

[Post-Graduate Training – Clinical Attachment at Radiation Oncology](#)

The Aqa Khan University. Karachi, Pakistan  
“PIONEERS” (Pakistan Italy, Oncology Network ExpeRiencES Project)  
Director: Prof. N. Abbasi

- February 2016 – October 2016      **Team MD – Sambuceto/Gran Sasso Rugby**
- May 2016 – August 2016      **MD, Internship**  
PO “San Salvatore”, Sulmona (AQ)  
Radiologia Ospedaliera  
Director: Dr. R. Mariani
- January 2016 – April 2016      **MD, Internship**  
Ospedale Civile “Spirito Santo”, Pescara  
Emergency Department
- January 2015 – May 2015      **Students tutoring**  
Ufficio Rapporti Internazionali  
Università degli Studi “G. D’Annunzio”, Chieti
- January 2014 – September 2016      **Student/ MD, Internship**  
Policlinico Universitario “SS. Annunziata”, Chieti  
U.O. di Radioterapia Oncologica  
Director: Prof. D. Genovesi

## EDUCATION AND TRAINING

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- 28 October 2020      **Radiation Oncology Residency Degree**  
Thesis: “ *Role of chemoradiation in the adjuvant treatment of radically resected pancreatic cancer patients: a mono-institutional retrospective analysis.*”  
  
Università Cattolica del Sacro Cuore, Roma  
Dipartimento di Scienze Radiologiche ed Ematologiche  
Fondazione Policlinico Universitario A. Gemelli IRCCS, Roma  
Director: Prof. V. Valentini –  
Grade 50/50 cum laude
- 11 February 2016      **National board of physicians, surgeons and orthodontists**  
(Ordine della Provincia di PESCARA) n. 4307
- 4 February 2016      **Qualification exam to practice Medical profession**  
Università degli Studi “G. D’Annunzio”, Chieti  
Grade: 270/270

- 21 July 2015 **Medicine and Surgery Degree**  
 Thesis: *"Impatto dello stato linfonodale nell'outcome clinico del trattamento conservativo del carcinoma mammario"*  
  
 Dipartimento di Radiologia e Radioterapia Clinica  
 Università degli Studi "G. D'Annunzio", Chieti  
 Director: Prof. D. Genovesi  
 Grade: 106/110
- July 2007 **High School Diploma**  
 Liceo Scientifico Statale "L. Da Vinci", Pescara  
 Votazione 96/100

## PROFESSIONAL SKILLS

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- November 2016 – October 2017 **Radiation Oncology Resident – RADIATION ONCOLOGY DAY HOSPITAL**  
 experience in the set-up and administration of integrated and non-integrated chemotherapeutic treatments, in the management of support therapies for acute toxicity in the context of concomitant and chemoradiation treatments; experience in the outpatient clinic for oral chemotherapeutic therapies and in the management of toxicity related to them; He also followed the outpatient clinic for first visits and toxicity management.
- November 2017 – October 2018 **Radiation Oncology Resident – RT DELIVERY DEPARTMENT**  
 control of the correct parameters of the treatment plans, dose delivery, periodic control of the portal images of the patients undergoing treatment, settings and controls of the electron fields, detection and management of acute toxicities through clinical evaluations during radiotherapy.  
 During the same period he attended the outpatient clinic of first visits and carried out consultations acquiring experience on indication and prescription (volumes and doses) of radiant treatments.  
 Use of imaging modalities for the optimisation of radiant treatments (IGRT)  
 Using Surface Guided RadioTherapy (SGRT)  
 Use of conformational techniques (3DCRT) and static, volumetric and hybrid modulated intensity (IMRT, VMAT, MRIGRT);  
 Use of radio-surgical and stereotactic techniques (SRS, FSRT)  
 Use of dedicated ViewRay MRIdian software and TPS.

November 2018 – April 2019  
November 2020 – October  
2020

### Radiation Oncology Resident – INTERVENTIONAL ONCOLOGY CENTER/INTERVENTIONAL RADIOTHERAPY DEPARTMENT

experience in performing HDR-PDR interventional radiotherapy (brachytherapy) and evaluation of treatment plans; experience in performing ocular interventional radiotherapy (brachytherapy); experience in managing indications and toxicity in patients undergoing I131 therapy; experience in managing patients undergoing interventional radiology procedures.

Execution of interventional radiotherapy procedures (brachytherapy) as I and II operator.

Use of dedicated Elekta Oncentra Brachy software and TPS.

May 2019 – October 2019

### Radiation Oncology Resident – CLINICAL DOSIMETRY

experience in Virtual Simulation, in the different immobilization systems, in the contouring of the target and organs at risk, in imaging evaluation and recognition of anatomical structures, in the fusion of CT images simulation with MRI or CT-PET, in the evaluation of irradiation fields, in the quality control of each treatment plan.

Use of dedicated Varian Eclipse and Varian Aria software and TPS.

Experience in the execution and evaluation of 3D treatment plans, IMRT, RapidArc, Extracranial Stereotaxis. Experience in the execution and evaluation of Adaptive Radiotherapy procedures (Replanning for Head and Neck and Pelvis District neoplasms), also using dedicated software (MIM).

During the specialization course he attended the multidisciplinary Tumor Boards for the following pathologies: Genitourinary System Tumours, Gynecological Tumours, Rectumours, Upper Gastrointestinal System Tumours, Head and Neck Tumours, Paediatric Tumours, Brain Tumours, Soft Tissue and Skin Tumours.

During the specialization course he participated weekly in the following Divisional Pathology Outpatient Clinics, to which the patients belong, for the indication and identification of the most appropriate therapeutic protocol and for follow-up.

January 2021 – May 2021

### MD, Radiation Oncology Physician – freelance c/o Fondazione Policlinico Universitario A. Gemelli IRCCS, Roma U.O.C. di Radioterapia Oncologica

Referent clinician for the control of the correct parameters of the treatment plans, dose delivery, periodic control of the portal images of the patients undergoing treatment, settings and controls of the electron fields.

Referent clinician of clinics for detection and management of acute toxicities

through clinical evaluations during radiotherapy.

Use of imaging modalities for the optimisation of radiant treatments (IGRT)

Using Surface Guided RadioTherapy (SGRT)

Use of conformational techniques (3DCRT) and static, volumetric and hybrid modulated intensity (IMRT, VMAT, MRIGRT);

Use of radio-surgical and stereotactic techniques (SRS, FSRT)

Use of dedicated ViewRay MRIdian software and TPS.

June 2021 – April 2024

MD, Radiation Oncology Physician, Mater Olbia Hospital, Radiation Oncology

**Clinical Dosimetry:**

Referent clinician with dedicated skill in virtual simulation, contouring and plan validation.

Use of dedicated Varian Eclipse, Varian Cytrix, Varian Aria and MIM software and TPS

Use of dedicated ViewRay MRIdian software and TPS for contouring, planning and Adaptive Radiotherapy workflow.

**Interventional oncology unit:**

Referent clinician for the execution of interventional radiotherapy procedures for gynecological (endometrial and cervical), skin and head & neck (vestibular, lip, peri-operative) cancers.

Referent clinician for virtual simulation, contouring and plan validation using Varian Eclipse TPS and software.

Referent clinician for the delivery of IRT treatments with Varian Bravos aterloader.

**RT delivery unit:**

Referent clinician for the control of the correct parameters of the treatment plans, dose delivery, periodic control of the portal images of the patients undergoing treatment.

Referent clinician of clinics for detection and management of acute toxicities through clinical evaluations during radiotherapy.

Use of imaging modalities for the optimisation of radiant treatments (IGRT)

Use of conformational techniques (3DCRT) and static, volumetric and hybrid modulated intensity (IMRT, VMAT, MRIGRT);

Use of radio-surgical and stereotactic techniques (SRS, FSRT)

Use of dedicated ViewRay MRIdian software and TPS also performing Adaptive Radiotherapy.

Use of dedicated Varian Cytrix software and TPS also performing Adaptive Radiotherapy through Varian Ethos Linac.

Referent clinician with participation in multidisciplinary tumor boards for the following diseases:

- gastrointestinal neoplasms;
- hematologic neoplasms;
- neoplasia of the H&N district;
- prostatic neoplasms;
- neoplasms of the lung.

## PERSONAL COMPETENCES

Native Language

Italian

Altre lingue

English

COMPREHENSION		SPEECH		WRITING
Listening	Reading	Interaction	Oral production	Writing production
C2	C1	B2	C1	C2

Digital Competences

AUTOVALUTAZIONE				
Information processing	Communication	Contents creation	Confidency	Problem solving
Good	Good	Good	Good	Good

## COURSES, EVENTS

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|------|---|
| 2015 | <ul style="list-style-type: none"> <li>- Convegno di Cardioncologia, Pescara</li> <li>- Trattamenti integrati nel carcinoma della prostata, Chieti</li> <li>- Approccio interdisciplinare al carcinoma della mammella HER2+, Ortona (CH)</li> </ul> |
| 2016 | <ul style="list-style-type: none"> <li>- La neoplasia della mammella nel 2016, Pescara</li> <li>- 26° Residential Course "Multidisciplinary Oncology and Imaging",</li> </ul>   |

## Roma

- 2017
  - Appropriatelyzza dell'imaging nella diagnostica e radioterapia dei tumori gastrointestinali, Chieti
  - Immunologia dei tumori, Roma
  - 27° Residential course "Multidisciplinary oncology and metastatic patients in the era of high tech radiotherapy", Roma
  - 5° Simposio Annuale UPMC Radioterapia Stereotassica, Roma
  - XIX Congresso Nazionale AIOM, Roma
  - Le terapie di supporto in Radioterapia, verso una guida pratica, Roma
- 2018
  - TRattamento del mCRPC con Targeted Alpha Therapy, Roma
  - MIOLIVE 2018, Roma "as Speaker"
  - Brescia Meetings in Radiation Oncology Immunity, Drugs, Radiation: From Biology to contemporary Clinical Oncology, Brescia
  - 28° Residential course "Modern Radiotherapy and Unconventional Treatments: Fractionations, Volumes and new Drugs", Roma
  - XXVIII Congresso Nazionale ARO, Rimini
  - 9th Rome InterMeeting: Interventional Radiotherapy Multidisciplinary Meeting, Roma
  - INTEGRATE – Strategie Terapeutiche nel trattamento del NSCLC Stadio III, Milano
  - 6° Simposio Annuale UPMC: Il ruolo della Radioterapia Stereotassica nella patologia oncologica discussa negli ambulatori Multidisciplinari, Roma
- 2019
  - Il NSCLC all'alba del 2019, Pescara
  - UPPER GI: Technical and Clinical Challenges for Radiation Oncologist – ESTRO SCHOOL, Amsterdam
  - Il cancro della Prostata nel paziente Anziano: alla ricerca di un consenso sulle strategie di trattamento tra il GU19 Update Focus e il Real Management, Roma
  - ESTRO 38 Targeting Optical care, together, Milano
  - ESTRO38 SBRT Lung Contouring Workshop, Milano
  - XXIX Congresso Nazionale ARO, Rimini
  - 29° Residential course "Modern Radiotherapy, time issues and new drugs", Roma



- La radioterapia nel trattamento multidisciplinare delle neoplasie del fegato e delle vie biliari: Indicazioni e criteri di trattamento”, IRCCS-CROB Rionero in Vulture (PZ)
- Interacts-Interdisciplinary Teaching Course On Head & Neck Brachytherapy, Roma **“as member of Faculty and speaker”**
- 10th Rome InterMeeting: Interventional Radiotherapy Multidisciplinary Meeting, Roma **“as member of Faculty and speaker”**
- 7° Simposio Annuale UPMC: Interazione tra nuove terapie sistemiche e trattamenti radioterapici stereotassici, Roma.

## 2020

- MIOLIVE 2020, Roma.
- 1st International Consensus Conference Management of the Kidney Transplant Patient with Cancer, Roma **“as member of working group”**
- COMPREHENSIVE AND PRACTICAL BRACHYTHERAPY – ESTRO SCHOOL, Bruxelles.
- 30° Residential course *“Modern Radiotherapy and Precision Oncology”*, Roma [online course]
- ESTRO 2020, Translating research and partnership into optimal health, Online Course
- Varian Course ed. December 2020 – Advanced Techniques Clinical School SRT, Online course **“as member of Faculty and speaker”**

## 2021

- Tutela del paziente e protezione dati. la responsabilità civile del professionista sanitario, aggiornato alle sentenze della cassazione civile 2019, Online course.
- Varian Course ed. March 2021 – Advanced Techniques Clinical School SRT, Online course **“as member of Faculty and speaker”**
- UPPER GI: Technical and Clinical Challenges for Radiation Oncologist – ESTRO SCHOOL, Online course **“as member of scientific committee”**
- 31° Residential course *“Modern Radiotherapy and Precision Oncology: Innovative treatments and patients compliance”*, Roma [online course]

## 2022

- Moderna Radioterapia Oncologica: Approcci Multidisciplinari Nell'era Dei Trattamenti Guidati Dalle Scienze Omiche E Dall'intelligenza Artificiale, Olbia **“as member of Faculty and speaker”**
- XXXII Congresso Nazionale AIRO, Bologna
- 32° Residential course *“Modern Radiotherapy and Precision Oncology: multidisciplinary in the era of OMICS and AI guided oncology”*, Roma

## 2023

- UPPER GI: Technical and Clinical Challenges for Radiation Oncologist – ESTRO SCHOOL, Florence **“as member of scientific committee and speaker”**
- ESTRO 2023, From Innovation to Action, Vienna
- XXXIII Congresso Nazionale AIRO, Bologna
- 33° Residential course *“Modern Radiotherapy and Precision Oncology. Innovation in Personalised Oncology: Back To The Future”*, Roma **“as scientific secretary”**

## 2024

- Radioterapia Interventistica (Brachiterapia E Iort) Nella Reirradiazione Delle Recidive Locali Della Mammella E Del Distretto Addomino-Pelvico, Online.
- La Radioterapia Stereotassica Nelle Localizzazioni Oligometastatiche Critiche, Online.
- Neoplasie Di Sedi Peculiari Del Distretto Cervico-Facciale: Il Ruolo Della Radioterapia Interventistica E L'importanza Della Multidisciplinarietà, Online **“as member of faculty and invited speaker”**.
- XXXIV Congresso Nazionale AIRO, Milano **“as member of faculty and invited speaker”**

1. Cefalogli, C, M Trignani, L A Ursini, A D'Aviero, M Di Tommaso, S Di Santo, A Pamio, M Di Nicola, and D Genovesi. 2016. "S556 ESTRO 35 2016 Impact of Nodal Status on Clinical Outcome of Breast Cancer Patients: A Monoinstitutional Experience." *ESTRO 35*, 29 April - 3 May 2016, Turin, Italy 119: S556. doi:10.1016/S0167-8140(16)32415-X.
2. Karim, M.U., A. D'Aviero, A.M.H. Khan, and A.N. Abbasi. 2018. "Importance of International Exchange Programme in Postgraduate Training." *Journal of the College of Physicians and Surgeons Pakistan* 28 (12): 981–82. doi:10.29271/jcpsp.2018.12.981.
3. Boldrini, L., A. Piras, G. Chilorio, R. Autorino, D. Cusumano, B. Fionda, A. D'Aviero, M. Campitelli, F. Marazzi, F. Cellini, V. Valentini, and M.A. Gambacorta. 2019. "PO-161: Low Tesla MRgRT in Neoadjuvant Chemoradiotherapy for Locally Advanced Cervical Cancer." *Radiotherapy and Oncology* 141 (December). Elsevier BV: S71. doi:10.1016/S0167-8140(20)30503-X.
4. Fionda, B., L. Boldrini, A. D'Aviero, V. Lancellotta, M.A. Gambacorta, G. Kovács, S. Patarnello, V. Valentini, and L. Tagliaferri. 2020. "Artificial Intelligence (AI) and Interventional Radiotherapy (Brachytherapy): State of Art and Future Perspectives." *Journal of Contemporary Brachytherapy* 12 (5): 497–500. doi:10.5114/jcb.2020.100384.
5. Alitto, A.R., L. Tagliaferri, V. Lancellotta, A. D'Aviero, A. Piras, V. Frascino, F. Catucci, B. Fionda, C. Staackmann, S. Saldi, C. Aristei, and G. Mantini. 2020. "BIT-ART: Multicentric Comparison of HDR-Brachytherapy, Intensity-Modulated Radiotherapy and Tomotherapy for Advanced Radiotherapy in Prostate Cancer." *In Vivo* 34 (3): 1297–1305. doi:10.21873/invivo.11905.
6. Boldrini, L., A. Piras, G. Chiloiro, R. Autorino, F. Cellini, D. Cusumano, B. Fionda, A. D'Aviero, M. Campitelli, F. Marazzi, V. Valentini, and M.A. Gambacorta. 2020. "Low Tesla Magnetic Resonance Guided Radiotherapy for Locally Advanced Cervical Cancer: First Clinical Experience." *Tumori* 106 (6): 497–505. doi:10.1177/0300891620901752.
7. Tagliaferri, L., G. Garganese, A. D'Aviero, V. Lancellotta, S.M. Fragomeni, B. Fionda, C. Casà, B. Gui, G. Perotti, S. Gentileschi, M.A. Gambacorta, and G. MacChia. 2020. "Multidisciplinary Personalized Approach in the Management of Vulvar Cancer - The Vul.Can Team Experience." *International Journal of Gynecological Cancer* 30 (7): 932–38. doi:10.1136/ijgc-2020-001465.
8. D'Aviero, A., G. Chiloiro, L. Dinapoli, E. Zane, A. Tenore, M. Balducci, M.A. Gambacorta, G.C. Mattiucci, P. Malavasi, and V. Valentini. 2020. "PO-1295: RAMSI: Patients Satisfaction by Smile In Totem in a Mono-Institutional Experience in Radiotherapy." *Radiotherapy and Oncology* 152 (November). Elsevier BV: S683–84. doi:10.1016/s0167-8140(21)01313-x.
9. Vavassori, Andrea, Luca Tagliaferri, Lisa Vicenzi, Andrea D'Aviero, Antonella Ciabattoni, Sergio Gribaudo, Loredana Lapadula, Gian Carlo Mattiucci, Lorenzo Vinante, Vitaliana De Sanctis, Cristiana Vidali, Rita Murri, Maria Antonietta Gambacorta, Marcello Mignogna, Barbara A. Jerezek-Fossa, and Vittorio Donato. 2020. "Practical Indications for Management of Patients Candidate to Interventional and Intraoperative Radiotherapy (Brachytherapy, IORT) during COVID-19 Pandemic – A Document Endorsed by AIRO (Italian Association of Radiotherapy and Clinical Oncology) Intervent." *Radiotherapy and Oncology*. Elsevier Ireland Ltd. doi:10.1016/j.radonc.2020.04.040.

10. Mattiucci, Gian Carlo, Luca Boldrini, Alessia Nardangeli, Andrea D'Aviero, Milly Buwenge, Francesco Cellini, Francesco Deodato, Nicola Dinapoli, Vincenzo Frascino, Gabriella Macchia, Alessio Giuseppe Morganti, and Vincenzo Valentini. 2021. "Correction to: Hypofractionated Sequential Radiotherapy Boost: A Promising Strategy in Inoperable Locally Advanced Pancreatic Cancer Patients." *Journal of Cancer Research and Clinical Oncology*. Germany. doi:10.1007/s00432-020-03439-9.
11. Casà, C., C. Marotta, M. Di Pumpo, A. Cozzolino, A. D'Aviero, E.M. Frisicale, A. Silenzi, F. Gabbrielli, L. Bertinato, and S. Brusaferrò. 2021. "COVID-19 and Digital Competencies among Young Physicians: Are We (Really) Ready for the New Era? A National Survey of the Italian Young Medical Doctors Association." *Annali Dell'Istituto Superiore Di Sanita* 57 (1): 1–6. doi:10.4415/ANN\_21\_01\_01.
12. Pagliara, M.M., L. Tagliaferri, G. Savino, B. Fionda, A. D'Aviero, A. Lanza, V. Lancellotta, G. Midena, M.A. Gambacorta, and M.A. Blasi. 2021. "High-Dose-Rate Interstitial Brachytherapy (Interventional Radiotherapy) for Conjunctival Melanoma with Orbital Extension." *Ocular Oncology and Pathology* 7 (3): 199–205. doi:10.1159/000512344.
13. Mattiucci, G.C., L. Boldrini, A. Nardangeli, A. D'Aviero, M. Buwenge, F. Cellini, F. Deodato, N. Dinapoli, V. Frascino, G. Macchia, A.G. Morganti, and V. Valentini. 2021. "Hypofractionated Sequential Radiotherapy Boost: A Promising Strategy in Inoperable Locally Advanced Pancreatic Cancer Patients." *Journal of Cancer Research and Clinical Oncology* 147 (3): 661–67. doi:10.1007/s00432-020-03411-7.
14. Romagnoli, J., L. Tagliaferri, A. Acampora, V. Bianchi, V. D'Ambrosio, A. D'Aviero, I. Esposito, S. Hohaus, R. Iezzi, V. Lancellotta, U. Maggiore, and G. Grandaliano. 2021. "Management of the Kidney Transplant Patient with Cancer: Report from a Multidisciplinary Consensus Conference." *Transplantation Reviews* 35 (3). doi:10.1016/j.trre.2021.100636.
15. Chiloiro, G., A. Romano, A. D'Aviero, L. Dinapoli, E. Zane, A. Tenore, L. Boldrini, M. Balducci, M.A. Gambacorta, G.C. Mattiucci, A. Cesario, and V. Valentini. 2021. "Patients' Satisfaction by Smilein™ Totems in Radiotherapy: A Two-Year Mono-Institutional Experience." *Healthcare (Switzerland)* 9 (10). doi:10.3390/healthcare9101268.
16. Venuti, V., B. Fionda, A. Piras, A. D'Aviero, C. Casà, F. Preziosi, F. Catucci, L. Boldrini, A. Daidone, L. Tagliaferri, M.A. Gambacorta, and V. Valentini. 2021. "PO-1481 The 'PC-WIRED' Study: Patient Centred Evolution of Websites of Italian Radiotherapy Departments." *Radiotherapy and Oncology* 161 (August). Elsevier BV: S1213–14. doi:10.1016/s0167-8140(21)07932-9.
17. Catucci, F., A.R. Alitto, C. Masciocchi, N. Dinapoli, R. Gatta, A. Martino, C. Mazzearella, B. Fionda, V. Frascino, A. Piras, A. D'Aviero, V. Valentini, and G. Mantini. 2021. "Predicting Radiotherapy Impact on Late Bladder Toxicity in Prostate Cancer Patients: An Observational Study." *Cancers* 13 (2): 1–12. doi:10.3390/cancers13020175.
18. Piras, A., M. la Vecchia, L. Boldrini, A. D'Aviero, D. Galanti, A. Guarini, A. Sanfratello, V. Venuti, T. Angileri, and A. Daidone. 2021. "Radiofrequency Thermoablation (RFA) and Radiotherapy

- (RT) Combined Treatment for Bone Metastases: A Systematic Review.” *European Review for Medical and Pharmacological Sciences* 25 (10): 3647–54. doi:10.26355/eurrev\_202105\_25930.
19. Fionda, B., A. Piras, A. D'Aviero, V. Venuti, C. Casà, F. Preziosi, F. Catucci, L. Boldrini, A. Daidone, L. Tagliaferri, M.A. Gambacorta, and V. Valentini. 2021. “The ‘PC-WIRED’ Study: Patient Centred Evolution of Websites of Italian Radiotherapy Departments.” *Patient Education and Counseling*. doi:10.1016/j.pec.2021.02.014.
  20. Lancellotta, V., G. Macchia, G. Garganese, B. Fionda, S.M. Fragomeni, A. D'Aviero, C. Casà, B. Gui, S. Gentileschi, G. Corrado, M.A. Gambacorta, and L. Tagliaferri. 2021. “The Role of Brachytherapy (Interventional Radiotherapy) for Primary and/or Recurrent Vulvar Cancer: A Gemelli Vul.Can Multidisciplinary Team Systematic Review.” *Clinical and Translational Oncology*. doi:10.1007/s12094-021-02557-1.
  21. Cornacchione, Patrizia, Luca Tagliaferri, Andrea D'Aviero, Antonella Ciabattoni, Carmela Galdieri, Vitaliana De Sanctis, Francesco Fellin, Sergio Gribaudo, Daniele Lambertini, Maria Antonietta Gambacorta, Barbara Alicja Jereczek-Fossa, Vittorio Donato, and Andrea Vavassori. 2021. “The Role of Radiation Therapy Technologist in Interventional Radiotherapy (Brachytherapy) in Italy: Italian Association of Radiotherapy and Clinical Oncology (AIRO) and Italian Association of Radiation Therapy and Medical Physics Technologists (AITRO) Jo.” *Journal of Contemporary Brachytherapy* 13 (6): 599–604. doi:10.5114/jcb.2021.112109.
  22. Piras, Antonio, Bruno Fionda, Antonella Sanfratello, Andrea D'Aviero, Giovanni Sortino, Gianfranco Pernice, Luca Boldrini, Tommaso Angileri, and Antonino Daidone. 2022. “Bullous Pemphigoid and Radiotherapy: Case Report and Literature Review Update.” *Dermatology Reports* 14 (2): 9170. doi:10.4081/dr.2022.9170.
  23. D'Aviero, Andrea, Alessia Re, Francesco Catucci, Danila Piccari, Claudio Votta, Domenico Piro, Antonio Piras, Carmela Di Dio, Martina Iezzi, Francesco Preziosi, Sebastiano Menna, Flaviovincenzo Quaranta, Althea Boschetti, Marco Marras, Francesco Miccichè, Roberto Gallus, Luca Indovina, Francesco Bussu, Vincenzo Valentini, Davide Cusumano, and Gian Carlo Mattiucci. 2022. “Clinical Validation of a Deep-Learning Segmentation Software in Head and Neck: An Early Analysis in a Developing Radiation Oncology Center.” *International Journal of Environmental Research and Public Health* 19 (15). doi:10.3390/ijerph19159057.
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## LESSONS & ORAL COMMUNICATIONS

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1. "Vulcan study 1.0 - The role of adjuvant radiation therapy in the management of vulvar cancer."  
Poster Session Discussion XXIX Congresso Nazionale AIRO
2. "Evidence on Biliary Duct: IRT Toxicity".  
10th Rome InterMeeting: Interventional Radiotherapy Multidisciplinary Meeting, Roma
3. "Stereotactic Body Radiation Therapy (SBRT) for tumors of the upper abdomen: Overview of Established Indications and Criteria for Patient's Selection and Dose Prescription".  
Varian Course ed. December 2020 – Advanced Techniques Clinical School SRT, Online course
4. "Stereotactic Body Radiation Therapy (SBRT) for tumors of the upper abdomen: Pattern of practice @ GemelliArt".  
Varian Course ed. December 2020 – Advanced Techniques Clinical School SRT, Online course
5. "Stereotactic Body Radiation Therapy (SBRT) for tumors of the upper abdomen: Overview of Established Indications and Criteria for Patient's Selection and Dose Prescription".  
Varian Course ed. March 2021 – Advanced Techniques Clinical School SRT, Online course
6. "Stereotactic Body Radiation Therapy (SBRT) for tumors of the upper abdomen: Pattern of practice @ GemelliArt".  
Varian Course ed. December 2020 – Advanced Techniques Clinical School SRT, Online course
7. "EGJ: Target volume delineation in image guided radiotherapy"  
UPPER GI: Technical and Clinical Challenges for Radiation Oncologist – ESTRO SCHOOL, Florence.
8. "Hands-on: Normal lymphnode anatomy"  
UPPER GI: Technical and Clinical Challenges for Radiation Oncologist – ESTRO SCHOOL, Florence.
9. "Innovative technologies in UGI cancers: MRgRT"  
UPPER GI: Technical and Clinical Challenges for Radiation Oncologist – ESTRO SCHOOL, Florence.
10. "La Radioterapia Interventistica (Brachiterapia) nei tumori auricolari" – Webinar "I Venerdì di AIRO - NEOPLASIE DI SEDI PECULIARI DEL DISTRETTO CERVICO- FACCIALE: IL RUOLO DELLA RADIOTERAPIA INTERVENTISTICA E L'IMPORTANZA DELLA MULTIDISCIPLINARIETÀ", Online.
11. "Quale ruolo curativo della radioterapia interventistica nel 2024?" - XXXIV Congresso Nazionale AIRO, Milano.

## ABSTRACTS

1. C. Cefalogli, M. Trignani, L. A. Ursini, A. D'Aviero, M. Di Tommaso, S. Di Santo, A. Pamio, M. Di Nicola, D. Genovesi.  
"Impact of nodal status on clinical outcome of breast cancer patients: a mono-institutional experience." Poster Session Online  
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2. Andrea D'Aviero, Francesco Catucci, Anna Rita Alitto, Vincenzo Frascino, Valentina Lancellotta, Christian Staackmann, Rosa Autorino, Luca Tagliaferri, Cynthia Aristei, Vincenzo Valentini, György Kovács, Giovanna Mantini.  
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3. E. Farina, L. Tagliaferri, C. Becherini, G. Fanetti, A. D'Aviero, A. Tenore, G. Colloca, G. Simontacchi, F. Vianello, F. Paiar, C. Furlan, F. Monari, C. Gobitti, S.M. Magrini, M. Mangoni  
"A FAQs tool to improve QoL of patients undergoing Metabolic Radiotherapy in thyroid cancer. A pilot project of the AIRO Metabolic Radiotherapy Research Working Group (AIRO MRT)."  
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4. M. Campitelli, L. Tagliaferri, R. Autorino, G.C. Mattiucci, L. Azario, A. D'Aviero, G. Garganese, B. Gui, V. Rufini, M.A. Gambacorta  
"ROLE OF INTERVENTIONAL RADIOTHERAPY (BRACHYTHERAPY) IN VULVAR CANCER"  
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5. C. Casà, L. Tagliaferri, G. Garganese, A. D'Aviero, G. Macchia, B. Corvari, R. Autorino, V. Valentini, G. Scambia, M.A. Gambacorta  
"THE ROLE OF ADJUVANT RADIATION THERAPY IN THE MANAGEMENT OF VULVAR CANCER. THE VUL.CAN MDT EXPERIENCE"  
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6. Luca Tagliaferri, Andrea D'Aviero, Anna Rita Alitto, Vincenzo Frascino, Francesco Catucci, Valentina Lancellotta, Christian Staackmann, Cynthia Aristei, Vincenzo Valentini, Giovanna Mantini, György Kovács  
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Oral communication - ESTRO meets Asia 2018.
7. S. Chiesa, R. Gatta, A. Martino, A. Piras, D. Cusumano, L. Boldrini, C. Maschiocchi, M.

- Massaccesi, N. Dinapoli, F. Cellini, A. D'Aviero, G.C. Mattiucci, G. Mantini, M. Balducci, V. Valentini  
"Radiomic features and local response in lung cancer treated with stereotactic radiation therapy"  
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8. B Fionda, A D'Aviero, AR Alitto, V Frascino, A Piras, F Catucci, G Palazzoni, G Chiloiro, L Dinapoli, V Lanzotti, V Valentini and G Mantini PATIENT REPORTED OUTCOMES IN PROSTATE CANCER, A MOBILE-HEALTH ESSAY (PROPHECY) –  
29th ANNUAL MEETING OF THE ITALIAN SOCIETY OF URO-ONCOLOGY (SIUrO) -  
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9. A D'Aviero, L Tagliaferri, G Garganese, G Macchia, C Casà, V Lancellotta, B Fionda, B Gui, G Perotti, S Gentileschi, F Inzani, C Giacomo, AG Morganti, V Valentini, G Scambia, MA Gambacorta.  
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Poster Session XXIX Congresso Nazionale AIRO – Discussed Poster.
10. C Casà, L Tagliaferri, G Garganese, G Macchia, A D'Aviero, V Lancellotta, B Fionda, B Gui, G Perotti, S Gentileschi, F Inzani, G Corrado 2, AG Morganti, V Valentini, G Scambia, MA Gambacorta.  
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12. A. D'Aviero, L. Boldrini, F. Catucci, A.R. Alitto, A. Romano, V. De Luca, D. Cusumano, L. Placidi, V. Frascino, B. Fionda, F. Preziosi, G. Palazzoni, V. Valentini, G. Mantini.  
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13. A. D'Aviero, L. Boldrini, A. Nardangeli, F. Cellini, M. Buwenge, F. Deodato, G. Macchia, A. G. Morganti, V. Valentini, G. C. Mattiucci.

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14. B. Fionda, M.M. Pagliara, V. Lancellotta V, G Savino, C. Casà, A. Lanza, A. D'Aviero, G. Midena, P. Cornacchione, M.A. Gambacorta, M.A. Blasi, L. Tagliaferri.

“ROLE OF HIGH DOSE-RATE INTERSTITIAL INTER-VENTIONAL RADIOTHERAPY AS ADJUVANT TREATMENT FOR ORBITAL RECURRENCES FROM CONJUNCTIVAL MELANOMA: MONOINSTITUTION-AL CASE SERIES”.

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15. B. Fionda, L. Boldrini, A. D'Aviero, C. Casà, V. Lancellotta, P. Cornacchione, M.A. Gambacorta, G. Kovács, S. Patarnello, V. Valentini, L. Tagliaferri.

“ARTIFICIAL INTELLIGENCE AND INTERVENTION-AL RADIOTHERAPY: A REVIEW OF CURRENT LIT-ERATURE IN CLINICAL PRACTICE”.

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16. F. Preziosi, A.R. Alitto, F. Catucci, L. Boldrini, V. Frascino, B. Fionda, A. D'Aviero, V. De Luca, A. Romano, L. Placidi, D. Cusumano, G. Palazzoni, V. Valentini, G. Mantini.

“NEW TECHNOLOGIES FEASIBILITY FOR PROSTATE IRRADIATION: BEST OR NOT?”

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17. V. Lancellotta, A. D'Aviero, B. Fionda, C. Casà, R. Iezzi, A. Posa, F. Paoletti, A. Tanzilli, A. Acampora, B. A. Jereczek-Fossa, M. A. Gambacorta, J. Romagnoli, L. Tagliaferri.

“THE ROLE OF FOCAL APPROACH AS ALTERNATIVE TO NEPHRON-SPARING SURGERY IN THE TREATMENT OF STAGE I KIDNEY CANCER: RESULTS OF A SYSTEMATIC REVIEW AND A CONSENSUS CONFERENCE”

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18. V. Lancellotta, A. D'Aviero, B. Fionda, C. Casà, I. Esposito, F. Preziosi, A. Acampora, B. A. Jereczek-Fossa, M. A. Gambacorta, J. Romagnoli, L. Tagliaferri.

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## CONFERENCE”

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19. V. Lancellotta, A. D'Aviero, B. Fionda, C. Casà, G. Scaletta, F. Paoletti, A. Acampora, B. A. Jereczek-Fossa, M. A. Gambacorta, J. Romagnoli, L. Tagliaferri.  
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20. V. Lancellotta, A. D'Aviero, B. Fionda, A. Di Stefani, C. Casà, P. Cornacchione, P. Sollena, S. Gentileschi, G. F. Colloca, E. Rossi, G. Schinzari, M. A. Gambacorta, L. Tagliaferri, K. Peris.  
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21. V. Venuti, B. Fionda, A. Piras, A. D'Aviero, C. Casà, F. Preziosi, F. Catucci, L. Boldrini, A. Daidone, L. Tagliaferri, M.A. Gambacorta, V. Valentini  
“THE “PC-WIRED” STUDY: PATIENT CENTRED EVOLUTION OF WEBSITES OF ITALIAN RADIOTHERAPY DEPARTMENTS”  
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22. A. Sanfratello, A. Piras, L. Boldrini, C. Rinaldi, A. D'Aviero, A. Toscano, M. Spada, T. Angileri, A. Daidone.  
“HEEL SPUR AND RADIOTHERAPY: CASE REPORT AND SYSTEMATIC LITERATURE REVIEW”.  
Poster Session XXXI Congresso Nazionale AIRO.
23. A. Sanfratello, A. Piras, S. Menna, A. D'Aviero, F. Marazzi, D. Cusumano, M. Massaccesi, G. Mattiucci, A. Daidone, V. Valentini, L. Boldrini  
“NEW FRACTIONATIONS IN BREAST CANCER: VMAT VERSUS 3D-CRT, A DOSIMETRIC STUDY”  
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24. A. Sanfratello, A. Piras, L. Boldrini, A. D'Aviero, S. Menna, M. Massaccesi, M. Spada, G. Pernice, T. Angileri, A. Daidone

“VMAT BOOST IN HYBRID PLAN WITH TANGENTIAL BEAMS FOR WHOLE BREAST TREATMENT: A DOSIMETRIC STUDY”

Session XXXI Congresso Nazionale AIRO.

25. A. Sanfratello, A. Piras, B. Fionda, A. D'Aviero, G. Sortino, G. Pernice, L. Boldrini, T. Angileri, A. Daidone

“PEMPHIGOID AND RADIOTHERAPY: CASE REPORT AND LITERATURE REVIEW UPDATE”

Poster Session XXXI Congresso Nazionale AIRO.

26. G. Chiloiro, A. Romano, L. Boldrini, A. D'Aviero, E. Galofaro, F. Catucci, L. Placidi, R. Rinaldi, M. Nardini, D. Cusumano, M.A. Gambacorta, V. Valentini “MAGNETIC RESONANCE GUIDED STEROTACTIC BODY RADIATION THERAPY (MRGSBRT) FOR METASTATIC PATIENTS: A SINGLE CENTER EXPERIENCE” Oral Communications Session XXXI Congresso Nazionale AIRO

27. Boschetti, A., C. Votta, A. Re, D. Piro, M. Marras, A. D'Aviero, F. Catucci, D. Cusumano, C. Di Dio, S. Menna, M. Iezzi, F.V. Quaranta, C. Flore, E.G. Sanna, D. Piccari, G.C. Mattiucci, and V. Valentini.

Poster Discussion Session Estro 2022.

28. Catucci, F., D. Cusumano, S. Menna, A. D'Aviero, C. Di Dio, A. Re, M. Iezzi, D. Piccari, F. Quaranta, A. Boschetti, M. Marras, D. Piro, C. Votta, E. Sanna, C. Flore, G.C. Mattiucci, and V. Valentini. 2022. “Radiological Measurements to Predict Dose Variation Due to Inter-Fraction Variability in H&N.”

Poster Session Estro 2022.

29. Iezzi, M., D. Cusumano, D. Piccari, S. Menna, F. Catucci, A. D'Aviero, A. Re, C. Di Dio, F. Quaranta, A. Boschetti, M. Marras, D. Piro, C. Votta, E. Sanna, C. Flore, G.C. Mattiucci, and V. Valentini. 2022. “A Predictive Model to Quantify the Dosimetric Impact of Inter-Fraction Variability in Breast Cancer.”

Poster Session Estro 2022.

30. Piro, D., M. Marras, A. D'Aviero, A. Boschetti, C. Votta, A. Re, F. Catucci, D. Cusumano, C. Di Dio, S. Menna, M. Iezzi, F. Quaranta, C. Flore, E. Sanna, D. Piccari, G.C. Mattiucci, and V. Valentini. 2022. “Validation of Deep Learning Auto-Segmentation in Pelvic Organs at Risk: A Preliminary Analysis.”

Poster Session Estro 2022.

31. A. Sanfratello, A. Piras, L. Boldrini, S. Menna, A. D'Aviero, A. Guarini, A. Toscano, V. Gebbia, T. Angileri, A. Daidone  
"TRATTAMENTO COMBINATO DELLE METASTASI OSSEE RADIOFREQUENZA TERMOABLAZIONE E RADIOTERAPIA IPOFRAZIONATA: UNO STUDIO RETROSPETTIVO"  
Poster Session XXXII Congresso Nazionale AIRO, XXXIII Congresso Nazionale AIRB, XII Congresso Nazionale AIRO Giovani.
32. A. Re, F. Catucci, A. Boschetti, A. D'Aviero, C. di Dio, P. Gaias, F. Gruosso, M. Iezzi, M. Marras, S. Menna, D. Piccari, E. Pilloni, D. Piro, F. Preziosi, F. Quaranta, F. Tomei, V. Verusio, C. Votta, V. Valentini, D. Cusumano, G.C. Mattiucci  
"PARAMETRI PER PREDIRE LA VARIAZIONE DI DOSE DOVUTA AI CAMBIAMENTI INTERFRAZIONE NEI PAZIENTI CON NEOPLASIE DEL DISTRETTO TESTA-COLLO".  
Poster Session XXXII Congresso Nazionale AIRO, XXXIII Congresso Nazionale AIRB, XII Congresso Nazionale AIRO Giovani.
33. A. D'Aviero, A. Piras, A. Sanfratello, L. Boldrini, G. Pernice, G. Sortino, M.R. Valerio, R. Gennari, I. D'Angelo, F. Marazzi, T. Angileri, A. Daidone  
"LA RADIOTERAPIA STEREOTASSICA NEOADIUVANTE ED ESCLUSIVA NELL'EARLY BREAST CANCER: UNA REVIEW SISTEMATICA DELLA LETTERATURA".  
Poster Session XXXII Congresso Nazionale AIRO, XXXIII Congresso Nazionale AIRB, XII Congresso Nazionale AIRO Giovani.
34. A. Sanfratello, D. Cusumano, A. Piras, L. Boldrini, A. D'Aviero, P. Fricano, M. Messina, M. Vaglica, D. Galanti, M. Spada, G. Martorana, G. Arena, T. Angileri, A. Daidone  
"NUOVI PARAMETRI DOSIMETRICI PER PREVEDERE LA TOSSICITÀ ANO-RETTALE DURANTE IL TRATTAMENTO RADIOTERAPICO".  
Poster Session XXXII Congresso Nazionale AIRO, XXXIII Congresso Nazionale AIRB, XII Congresso Nazionale AIRO Giovani
35. A. Sanfratello, A. Piras, L. Boldrini, S. Menna, A. D'Aviero, D. Cusumano, L. Di Cristina, M. Messina, M. Spada, T. Angileri, A. Daione  
"RADIOTERAPIA STEREOTASSICA A CINQUE FRAZIONI PER METASTASI CEREBRALI: UN'ESPERIENZA IN UN UNICO ISTITUTO CON DIVERSI SCHEMI DI DOSAGGIO"  
Poster Session XXXII Congresso Nazionale AIRO, XXXIII Congresso Nazionale AIRB, XII Congresso Nazionale AIRO Giovani
36. V. Venuti, A. Piras, A. D'Aviero, D. Cusumano, S. Pergolizzi, A. Daidone, L. Boldrini  
"COVID-19 E RADIOTERAPIA: REVISIONE SISTEMATICA DELLA LETTERATURA DOPO DUE ANNI DI PANDEMIA"  
Poster Session XXXII Congresso Nazionale AIRO, XXXIII Congresso Nazionale AIRB, XII

## Congresso Nazionale AIRO Giovani

37. A. D'Aviero, A. Piras, A. Sanfratello, L. Boldrini et al. "STEREOTACTIC RADIOTHERAPY FOR PENILE METASTASIS: CASE REPORT AND SYSTEMATIC LITERATURE REVIEW"  
Poster Session XXXII Congresso Nazionale AIRO, XXXIV Congresso Nazionale AIRB, XII Congresso Nazionale AIRO Giovani
38. A. D'Aviero, A. Piras, A. Comelli et al. "APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN RADIATION TREATMENT OF PROSTATE CANCER: A SYSTEMATIC REVIEW"  
Poster Session XXXII Congresso Nazionale AIRO, XXXIV Congresso Nazionale AIRB, XII Congresso Nazionale AIRO Giovani

## BOOK CHAPTERS

1. Tagliaferri, L., D'Aviero, A., Posa, A., Iezzi, R. (2021). Interventional Image-Guided HDR Brachytherapy as a Salvage Treatment: Exclusive or in Combination with Other Local Therapies. In: Mohnike, K., Ricke, J., Corradini, S. (eds) Manual on Image-Guided Brachytherapy of Inner Organs. Springer, Cham. [https://doi.org/10.1007/978-3-030-78079-1\\_16](https://doi.org/10.1007/978-3-030-78079-1_16)
2. Tropiano P, Fois P, Melis A, De Luca LM, Miccichè F, Di Mario D, D'Aviero A, Fadda GM, Tagliaferri L & Rizzo D. (2023). Acknowledged Therapeutic Options in Nose Vestibule Malignancies. In: Bussu, F. (eds) Malignancies of the Nasal Vestibule. Springer, Cham. [https://doi.org/10.1007/978-3-031-32850-3\\_6](https://doi.org/10.1007/978-3-031-32850-3_6)
3. Cellini F, Manfrida S, Casà C, Romano A, D'Aviero A, Mattiucci G C (2023). Esofago e stomaco. In: Donato V, Ramella S, Tombolini V, Valentini V. (eds) Radioterapia Oncologica. Nuove strategie. ISBN: 8872876915
4. Dinapoli N, Masiello V, Casà C, Chiloiro V, Capocchiano D, Cornacchione P, Masciocchi C, D'Aviero A, Fionda B, Beghella Bartoli F, Damiani A, Tagliaferri L (2023). Metodologia della EBM e della Ricerca Clinica. In: Donato V, Ramella S, Tombolini V, Valentini V. (eds) Radioterapia Oncologica. Nuove strategie. ISBN: 8872876915
5. Cellini F, Casà C, D'Aviero A and Valentini V (2024). Gastric Cancer. In: Grosu, Anca Ligia, and Carsten Nieder. (eds). Target Volume Definition in Radiation Oncology. ISBN: 978-3-031-45489-9

## CLINICAL TRIAL PARTICIPATION

1. ATLAS: A randomized, double-blind, placebo-controlled, phase 3 trial of apalutamide (ARN-509) in patients with high-risk localized or locally advanced prostate cancer receiving primary radiation therapy;



2. ABITUDE: A Study Of Abiraterone Acetate Plus Low-Dose Prednisone Plus Androgen Deprivation Therapy (ADT) Versus ADT Alone In Newly Diagnosed Participants With High-Risk, Metastatic Hormone-Naïve Prostate Cancer (mHNPC).
3. PROEPI: PROspective multicenter observational study on Elective Pelvic nodes Irradiation in Patients with intermediate/high/very high risk prostate cancer submitted to adjuvant or radical Radiotherapy with or without concomitant Androgen Deprivation;
4. Pros-IT CNR: an Italian prostate cancer monitoring project;
5. ARTO: A Phase II Randomized Trial of Radiation Therapy in Oligometastatic mCRPC Prostate Cancer;
6. CABACARE: A randomized phase II study comparing cabazitaxel/prednisone to cabazitaxel alone for second-line chemotherapy in men with metastatic castrate resistant prostate cancer (mCRPC);
7. MK-3475-975/KEYNOTE 975: Study of Pembrolizumab (MK-3475) Versus Placebo in Participants With Esophageal Carcinoma Who Are Receiving Chemotherapy and Radiation Therapy;

Pescara, 14/09/2024

