

Anthony Ricco, M.D.

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EDUCATION & TRAINING

Main Line Health, Lankenau and Riddle Hospitals, Wynnewood, PA Staff Radiation Oncologist	March 2024 - present
Precision Radiation Oncology, Phoenixville, PA Staff Radiation Oncologist, Phoenixville Hospital	Oct 2022 – Feb 2024
Precision Radiation Oncology, Glen Mills, PA Staff Radiation Oncologist, Crozer Chester Medical Center	March 2022 – Feb 2024
Comprehensive Cancer Care, Exton, PA Staff Radiation Oncologist	July 2021 – Feb 2022
Virginia Commonwealth University, Richmond, VA Radiation Oncology Resident, anticipated completion June 2021	July 2017 – June 2021
Crozer Chester Medical Center, Chester, PA Transitional Year Intern	July 2016 – June 2017
Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA Doctor of Medicine, Class of 2016 Population Health/Urban Underserved Programs	July 2012 – May 2016
The Pennsylvania State University, State College, PA Bachelor of Science; Minors: Neuroscience, Global Health, Humanitarian Engineering	Sept 2009 – May 2012

TECHNICAL EXPERIENCE

External Beam Radiation Therapy (EBRT)

IMRT, VMAT with RapidARC, and 3D-CRT

IGRT (Gold Fiducial, Cone-Beam CT) and SGRT (Vision RT)

Special Techniques: Total Body Irradiation, Total Skin Electron Therapy (rotational), Craniospinal Irradiation

Stereotactic Body Radiation Therapy (SBRT) and Stereotactic Radiosurgery (SRS)

LINAC-Based

Brachytherapy

HDR: Gynecology, Prostate, Sarcoma, Breast

LDR: Prostate, CivaSheet

Fiducials, SpaceOAR

Simulation and Treatment Planning Systems

Helical, Breath Hold, Surface Tracking, and 4D CT Simulation

Pinnacle, Eclipse, Brainlab, MIM, Variseed

Radiopharmaceuticals

Radioembolization – Y90

Pluvicto, Xofigo, Lutathera

TRAINING AND LICENSURE

American Board of Obesity Medicine – Board Certified	2023
American Board of Radiology, Radiation Oncology – Board Certified	2022
Full Medical License, Pennsylvania/Delaware	Summer 2021 - Present
Chief Resident	2020-2021
“Learners as Teachers” Training, Stanford Clinical Teaching Model	2020
Graduate Medical Education Committee, Virginia Commonwealth University Health	2019-Present
Graduate Medical Education , Virginia Commonwealth University Health	2018-Present
Clinical Trials in Radiation Oncology Workshop, University of Pennsylvania	2018
ASTRO-NIH Immunotherapy Workshop, National Institutes of Health	2017
Professional Memberships	2017-Present
American Brachytherapy Society	
American Society for Radiation Oncology	
American Society of Clinical Oncology	
Radiation Oncology Award, <i>Sidney Kimmel Medical College</i>	2016
Student Leadership Forum, <i>Sidney Kimmel Medical College</i>	2013
Annenberg Anatomy Competition, Honorable Mention	2012
The President’s Freshman Award, <i>The Pennsylvania State University</i>	2011

PUBLICATIONS

Canada JM, Weiss E, Carbone S, Buckley LF, Garten RS, Trankle CR, Del Buono MG, Mezzaroma E, Rezai Gharai L, Mauro AG, **Ricco, Anthony**, Van Tassell BW, Evans RK, Abbate A. Early cardiac remodeling after thoracic radiation therapy is associated with reduced cardiorespiratory fitness. *JACC CardioOncol.* 2024;6(1):96–107. doi:10.1016/j.jacc.2023.11.006.

Polizzi M, Weiss E, Jan N, **Ricco, Anthony**, Kim S, Urdaneta A, Rosu-Bubulac M. Rectal deformation management with IGRT in prostate radiotherapy: can it be managed with rigid alignment alone? *J Appl Clin Med Phys.* 2024;25(4):e14241. doi:10.1002/acm2.14241.

Weiss E, **Ricco, Anthony**, Mukhopadhyay ND, Rezai Gharai L, Deng X, Jan N, Guy CL. Predictors of high-grade radiation pneumonitis following radiochemotherapy for locally advanced non-small cell lung cancer: analysis of clinical, radiographic, and radiotherapy-related factors. *J Radiother Pract.* 2023;22(4):560–568. doi:10.1017/S146039692300058X.

Weiss E, **Ricco, Anthony**, Mukhopadhyay ND, Rezai Gharai L, Deng X, Jan N, Guy CL. Predictors of high-grade radiation pneumonitis and overall survival following radiochemotherapy for locally advanced non-small cell lung cancer: analysis of lung and heart dose parameters and the impact of treatment technique. *Int J Radiat Oncol Biol Phys.* 2021;111(3 Suppl):e456. doi:10.1016/j.ijrobp.2021.07.1281.

Canada JM, Weiss E, Grizzard JD, Trankle CR, Rezai Gharai L, Dana F, Buckley LF, Carbone S, Kadariya D, **Ricco, Anthony**, Jordan JH, Evans RK, Garten RS, Van Tassell BW, Hundley WG, Abbate A. Influence of extracellular volume fraction on peak exercise oxygen pulse following thoracic radiotherapy. *Cardiooncology*. 2022;8(1):1. doi:10.1186/s40959-021-00127-6.

Ricco, Anthony, McLaughlin C, Mukhopadhyay N, Skoro N, Selamawit G, Deng X, Song S, et al. Patient survival with and without radiotherapy for early-stage diffuse large B-cell lymphoma in the era of PET/CT and rituximab. *Advances in Radiation Oncology*. 2022;7(4):100930.

Ricco, Anthony, Moghanaki Drew, Anscher Mitchell, Chang Michael, et al. Moderately Hypofractionated Intensity Modulated Radiation Therapy with Simultaneous Integrated Boost for Prostate Cancer: Five-Year Toxicity Results from a Prospective Phase I/II Trial. *Front Oncol*. 2020;10: 1686.

Ricco, Anthony, Slade A, Canada J, Grizzard J, Dana F, Reza-Gharai L, Neiderer K, Vera A, Abbate A, Weiss E. Cardiac MRI utilizing late gadolinium enhancement (LGE) and T1 mapping in the detection of radiation induced heart disease. *Cardiooncology*. 2020;6: 6.

Ricco, Anthony, Barlow S, Jacob J, Feng J, Hanlon A, Arrigo S, Obayomi-Davies O, et al. Long-Term Outcomes Following Repeat Radiation (RT) to the Lung for Lung Cancer and Lung Metastases with Stereotactic Body Radiation Therapy (SBRT). *Advances in Radiation Oncology*. 2020;5: 984–993.

Ricco, Anthony, Barbera G, Lanciano R, Feng J, Hanlon A, Lozano A, et al. Favorable Biochemical Freedom From Recurrence With Stereotactic Body Radiation Therapy for Intermediate and High-Risk Prostate Cancer: A Single Institutional Experience With Long-Term Follow-Up. *Front Oncol*. 2020;10: 1505.

Ricco, Anthony, Alexandra Hanlon, and Rachele Lanciano. 2017. "Propensity Score Matched Comparison of Intensity Modulated Radiation Therapy vs Stereotactic Body Radiation Therapy for Localized Prostate Cancer: A Survival Analysis from the National Cancer Database." *Frontiers in Oncology* 7 (August): 185.

Ricco, Anthony, Joanne Davis, William Rate, Jun Yang, David Perry, John Pablo, David D'Ambrosio, et al. 2017. "Lung Metastases Treated with Stereotactic Body Radiotherapy: The RSSearch® Patient Registry's Experience." *Radiation Oncology* 12 (1): 35.

Ricco, Anthony, Genevieve Manahan, Rachele Lanciano, Alexandra Hanlon, Jun Yang, Stephen Arrigo, John Lamond, et al. 2016. "The Comparison of Stereotactic Body Radiation Therapy and Intensity-Modulated Radiation Therapy for Prostate Cancer by NCCN Risk Groups." *Frontiers in Oncology* 6 (August): 184.

Zaorsky, Nicholas G., **Ricco, Anthony**, Thomas M. Churilla, Eric M. Horwitz, and Robert B. Den. 2016. "ASTRO APEx® and RO-ILS™ Are Applicable to Medical Malpractice in Radiation Oncology." *Future Oncology* 12 (22): 2643–57.

Ahmad S, **Ricco Anthony**, Brown R, Hanlon A, Yang J, Feng J, et al. Single Institutional Experience of Stereotactic Radiosurgery Alone for First Brain Metastatic Event and Salvage of Second Brain Metastatic Event in a Community Setting with Review of the Literature. *Front Oncol*. 2017;7: 32.

Ricco Anthony, Manahan G, Lanciano R, Hanlon A, Yang J, Arrigo S, et al. The Comparison of Stereotactic Body Radiation Therapy and Intensity-Modulated Radiation Therapy for Prostate Cancer by NCCN Risk Groups. *Front Oncol*. 2016;6: 184.

Hasan S, **Ricco Anthony**, Jenkins K, Lanciano R, Hanlon A, Lamond J, et al. Survival and Control Prognosticators of Recurrent Gynecological Malignancies of the Pelvis and Para-aortic Region Treated with Stereotactic Body Radiation Therapy. *Front Oncol.* 2016;6: 249.

Ricco, Anthony, Rachele Lanciano, and Alexandra Hanlon. 2016. "Predictors of Long-Term Survival for Localized Prostate Cancer Treated with High-Dose IMRT Stratified by NCCN 2015 Guidelines in a Community Hospital Setting." *Journal of Radiation Oncology* 5 (1): 95–101.

CLINICAL TRIALS

- 2022+** NRG Cooperative Group Trials. *Participant.*
- 2018-2020** Protocol #MCC-16-12436: Phase II Trial of Stereotactic Radiotherapy and PD-1 Inhibiting Therapy for the Treatment of Solid Tumors after Progression on PD-1 Inhibiting Therapy. *Co-Investigator.*
- 2017-2020** Protocol #HM20004955: Phase IIa trial of low dose radiation therapy to reduce cerebral amyloidosis in early Alzheimer's dementia. *Co-Investigator.*

ABSTRACTS AND PRESENTATIONS

Ricco AG, Rezai Gharai L, Kalman N, Weiss E. Interstitial Lung Disease Subtypes and Severity of Pulmonary Emphysema: Relation to Radiographic Lung Changes and Radiation Pneumonitis after Stereotactic Body Radiation Therapy. *ASTRO, 2020.*

Ricco AG, Allen A, Kalman N, Weiss E. The association between laboratory pretreatment immune parameters and radiographic lung changes in early stage lung cancer patients undergoing stereotactic body radiation therapy. *ASTRO, 2020.*

Ricco AG, McDonagh PR, Guy CL, Weiss E. Pre-, Intra-, and Post-treatment Serum Albumin Predicts for Clinical Radiation Pneumonitis in Locally Advanced Non-Small Cell Lung Cancer Patients treated with Radiochemotherapy. *ASTRO, 2020.*

Ricco AG, Kim A, Canada J, Grizzard J, Dana F, Rezai Gharai L, Abbate A, Weiss E. Extracellular Volume Fraction of Cardiac MRI in the Detection of Cardiac Toxicity from Radiotherapy. *ASTRO, 2020.*

Ricco AG, McLaughlin, Allen A, Singh R, Mukhopadhyay N, Song S. Early Stage Diffuse Large B Cell Lymphoma in the Era of PET and Rituximab: Benefits from Radiotherapy in all NCCN International Prognostic Index Risk Groups. *ASTRO, 2020.*

Cooper DA, **Ricco AG**, Rezai Gharai L, Guy CL, Weiss E. Risk of Radiation Pneumonitis in Locally Advanced Lung Cancer Patients: Role of Interstitial Lung Disease Subtypes and Severity of Pulmonary Emphysema. *ASTRO, 2020.*

Urdaneta AI, Schutzer ME, Ritter TA, Neiderer K, **Ricco AG**, Todor DA. A novel prostate SBRT vs HDR comparison: A disease perspective. *ASTRO, 2020.*

Barbera G, **Ricco AG**, Lanciano R, Feng J, Hanlon A, Lozano A, Good M, Arrigo S, Lamond J, Yang J. Favorable Biochemical Relapse Free Survival at 10 years following Stereotactic Body Radiation Therapy (SBRT) for Intermediate and High-Risk Prostate Cancer. *ASTRO, 2020.*

Rosu-Bubulac M, **Ricco AG**, Urdaneta A, Kim S, Weiss E, Palta J. Can Rectum Stability Issues Be Managed with IGRT in Prostate Radiotherapy? *American Association of Physicists in Medicine Meeting, 2020.*

Ricco AG, Barlow S, Jacob J, Singh R, Feng J, Hanlon A, Arrigo S, Obayomi-Davies O, et al. Long Term Outcomes following Three or More Courses of Repeat Lung Radiation using Stereotactic Body Radiation Therapy. *Radiosurgical Society Meeting, 2020.*

Ricco AG, Urdaneta A, Kim S, Rosu-Bubulac M. A retrospective analysis of image guided radiotherapy for prostate cancer: rectal dosimetric consequences of different alignment paradigms. *American College of Radiation Oncology Meeting, 2020.*

Ricco AG, Mukhopadhyay N, Holdford D, Skinner V, Saraiya S, Moghanaki D, Anscher M, Chang M. Five year results from a phase I/II study of moderately hypofractionated intensity-modulated radiation therapy (IMRT) for localized prostate cancer including simultaneously integrated boost and pelvic lymph node (LN) coverage. *Genitourinary American Society of Clinical Oncology Meeting, 2020.*

Todor D, Urdaneta A, **Ricco AG**. The insider view on differences between CT and US prostate HDR: A tumorlet perspective. *World Congress of Brachytherapy, 2020.*

Ricco AG, Slade AN, Canada J, Grizzard J, Dana F, Gharai LR, et al. T1 Mapping and Cardiac MRI in the Detection of Cardiac Toxicity from Radiotherapy. *Int J Radiat Oncol Biol Phys.* 2019;105: E58.

Ricco AG, Barlow S, Jacob J, Feng J, Hanlon A, Arrigo SA, et al. Long Term Outcomes Following Repeat Radiation Therapy (RT) to the Lung for Lung Cancer and Lung Metastases with Stereotactic Body Radiation Therapy (SBRT). *Int J Radiat Oncol Biol Phys.* 2019;105: E583–E584.

Ricco AG, Canada J, Grizzard J, Dana F, Gharai LR, Neiderer K, et al. Late Gadolinium Enhancement (LGE) in Cardiac Magnetic Resonance Imaging (CMR). *Int J Radiat Oncol Biol Phys.* 2018;102: S224–S225.

Guilday SP, Dziemianowicz M, **Ricco AG**, Lanciano RM, Hanlon A, Feng J, et al. Stereotactic Body Radiation Therapy (SBRT) for Intermediate and High-Risk Prostate Cancer: Early Adoption in a Community Hospital Setting. *Int J Radiat Oncol Biol Phys.* 2018;102: e113–e114.

Ricco AG, Davis, J, Yang J, Rate W, Lanciano RM. Lung Oligometastases treated with SBRT: the RSSearch Registry's 10-year Experience. *The Radiosurgery Society Meeting, 2015.*

Manahan G, **Ricco AG**, Bernetich M, Lanciano RM, Yang J, Hanlon A, et al. The Equivalence of Stereotactic Body Radiation Therapy and Intensity Modulated Radiation Therapy for Prostate Cancer Stratified by 2015 NCCN Risk Groups. *Int J Radiat Oncol Biol Phys.* 2015;93: E217.

Ricco AG., Zaorsky, N., Den, R. (2016). Medical malpractice in radiation oncology: a case series. *American Radium Society, 2016.*

Ricco AG, Thornton, S., Lanciano, R., Brady, L. (2016). Acute toxicity and dose sparing of organs at risk using SBRT for orbital tumors. *American Radium Society, 2016.*

Ricco AG, Ahmed, S., Lanciano, R., Brady, L. (2015). A case of an adult with Ewing Sarcoma declining chemotherapy presenting with globe-displacing frontal bone metastasis. *Pennsylvania Society of Hematology and Oncology, 2016.*

Hasan, S., G., **Ricco AG**, Lanciano, R., Hanlon, A., Lamond, J., Yang, J., Feng, J., Good, M., Noumoff, J., Brady, L. (2015). Survival and control prognosticators of recurrent gynecological malignancies of the pelvis and para-aortic region treated with stereotactic body radiation therapy. *ASTRO, 2015*.

Ahmad, S., **Ricco AG**, Brown, R., Lanciano, R., Hanlon, A., Heal, C., Yang, J., Feng, J., Stanley, M., Buonocore, R., Okpaku, A., Ding, W., Arrigo, S., Lamond, J., Brady, L. (2016). Efficacy of Cyberknife Delivered Stereotactic Radiosurgery (SRS) for Brain Metastases: Is there a Difference in Survival between First and Second Brain Metastatic Event?