

# Sean A. Koerner, MD, MS

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## POSTGRADUATE TRAINING

UPMC, Department of Radiation Oncology, Residency – Pittsburgh, PA 7/2020 – Present

Presence St. Francis Hospital, Transitional Year – Evanston, IL 6/2018 – 6/2019

## EDUCATION

New York Medical College – Valhalla, NY 8/2014 – 5/2018  
Doctor of Medicine

Tufts University School of Public Health & Professional Degrees – Boston, MA 8/2012 - 8/2014  
Master of Science, Biomedical Science

Vassar College – Poughkeepsie, NY 8/2007 - 5/2011  
Bachelor of Arts, Biochemistry  
Correlate, American Literature

## PROFESSIONAL EXPERIENCE

Physician, Signify Health – Indiana 8/2019 – 6/2020

Physician, REE Medical – Indiana 9/2019 – 5/2020

## RESEARCH GRANTS

Radiological Society of North America, Research Resident Grant 7/2022 – 6/2023  
*Graduated spatially fractionated radiotherapy: a novel technique to potentiate immunotherapy response.*  
Primary Investigator. Grant RR2259 RO.

## PUBLICATIONS

**Koerner, S.A.**, Baig, T., Kim, H., Rodríguez-López, J., Keller, A., Beriwal, S. December 2021. *Can we reduce dose to ureters as avoidance organs for MRI based brachytherapy for cervical cancer? A dosimetric feasibility study.* Brachytherapy, vol. 21, 2, p202-207. DOI 10.1016/j.brachy.2021.11.002.

Chuba, P.J., Vlachaki, M.T., **Koerner, S.**, Falk, J., & Stefani, W. May 2020. *Are there inequities in reconstruction after mastectomy in breast cancer patients related to race or insurance status.* Journal of Clinical Oncology, 38. DOI 10.1200/JCO.2020.38.15\_suppl.e12615.

**Koerner S.**, Arber S. November 2017. *Overcoming barriers to radiotherapy in at-risk urban populations: primary language as a driver of initiation disparity.* Journal of Radiation Oncology, 7. DOI 10.1007/s13566-017-0332-5.

**CONFERENCES & ABSTRACTS**

- Koerner, S.A.,** Keller, A., Clump, D.A. March 2022. *Does systemic therapy impact failure patterns in locally advanced laryngeal/hypopharyngeal cancer?* Poster presentation, 2022 ICHNO/ECHNO. Virtual.
- Koerner, S.A.,** Baig, T., Kim, H., Rodríguez-López, J., Keller, A., Beriwal, S. October 2021. *Can we Avoid Ureters as Organs at Risk with MRI-based Brachytherapy for Cervical Cancer – a Dosimetric Feasibility Study.* Poster presentation, American Society for Radiation Oncology Annual Meeting, Chicago, IL.
- Koerner, S.A.,** Rodriguez-Lopez, J., Siddiqui, Z., Flickinger, J. September 2021. *Treatment Fractionation and Lymphopenia in Patients Receiving Radiation for Glioblastoma: Could Hypofractionation Reduce Toxicity?* Poster presentation, American Radium Society Annual Meeting. Virtual.
- Koerner, S.A.,** Benoit, R.M., Houser, C., Beriwal, S., Smith, R.P. June 2021. *Patient Reported Urinary Symptoms after Prostate Brachytherapy –Is There a Relationship with Bladder Neck Dose?* Snap oral presentation, American Brachytherapy Society Annual Meeting. Virtual.
- Koerner S.,** Arber S. June 2017. *Primary language has no effect on radiotherapy initiation in an urban safety-net hospital.* Poster presentation, International Symposium of the Paediatric Radiation Oncology Society, Memorial Sloan Kettering Cancer Center, New York, NY.
- Koerner S.,** Kulkarni S., Cochran B., & Jefferson D. March 2017. *Identifying novel cancer stem cell surface markers using anti-GBM stem cell monoclonal antibodies.* Poster presentation, Medical Student Research Forum, New York Medical College, Valhalla, NY.

**PROFESSIONAL MEMBERSHIPS**

- American Society of Radiation Oncology (ASTRO)
- American Brachytherapy Society (ABS)
- American Society of Clinical Oncology (ASCO)
- American Radium Society (ARS)
- Radiosurgery Society (RSS)
- Radiological Society of North America (RSNA)

**HONORS & AWARDS**

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| Cor et Manus – New York Medical College<br>Award of distinction for excellence in leadership and community service.  | 2018 |
| Professionals of New York Medical College – Peer to Peer Committee<br>Awarded for independently pursuing research on underserved populations.                | 2017 |
| Nominated for service to peers and improvement of the campus community.  | 2016 |
| Exemplary Professionalism with Peers and Patients, Foundations of Clinical Medicine<br>Awarded to students based on excellence in clinical site performance. | 2016 |
| Eagle Scout  | 2007 |

**PEER REVIEW**

*Clinical Genitourinary Cancer*. Guest reviewer.

2022

**LEADERSHIP & SERVICE**

Class of 2018 Liaison Committee – Chair

6/2016 – 6/2017

Responsible for committee direction and oversight, working with peer and faculty committee members to address student concerns regarding equality, educational opportunities, and safety at clinical clerkships.

STEP Tutoring Program

8/2014 – 5/2015

Instructed elementary and middle school-aged students from diverse socioeconomic backgrounds to foster interest in science, technology, medicine, and related fields.

House President – Noyes House, Vassar College

6/2008-5/2009

**PERSONAL ENDEAVORS**

Wilderness backpacking, distance running, skiing, and SCUBA diving.