



ROECSG REPORT

RADIATION ONCOLOGY EDUCATION
COLLABORATIVE STUDY GROUP

*The latest news and updates from the Radiation Oncology
Education Collaborative Study Group (ROECSG)*



IN THIS ISSUE

SEPT 18TH ROVER / ACRO NETWORKING

RESOURCE HUB: ARTIFICIAL INTELLIGENCE

NEW ONCOLOGY JOURNAL CLUB

#RADONC #MEDED PUBLICATIONS

Announcements

ROVER (Radiation Oncology Virtual Education Rotation), **ACRO** and **ROECSG** are hosting the 5th annual “**Applying in Radiation Oncology Networking Session**” for medical students interested in RadOnc. At this event, attendings, residents, and medical students are invited to participate and interact in a breakout room format. The aim is to inform medical students about the field of radiation oncology, provide tips for the interview season, and provide an opportunity for networking and mentorship connections.

When: **September 18th from 4-5pm PST / 7-8pm EST**

Where: virtual via **Zoom**

Registration closes on Fri, 9/12 at 11pm PST.

LINKS TO REGISTER:

Program Link: <https://forms.gle/kQxvEVSzqAXscEai7>

Med Student Link: <https://forms.gle/TDu1HxFnVAGGsFFdA>

We're an OFFICIAL 501(c)(3) now!

Recently ROECSG successfully achieved 501(c)(3) status. Please help contribute to ROECSG's efforts to support radiation oncology #MedEd initiatives with a donation and/or a **paid membership**. More info at: <https://roe CSG.org/membership/> Thank you so much!

How to Get Involved with ROECSG

ROECSG encourages active participation in our collaborative study group. We have a number of established **Working Groups** to allow for even more engagement from our members. If you are interested in learning more about opportunities for getting involved with ROECSG and joining one of our Working Groups, please feel free to reach out to us anytime at:

<https://roecsg.org/contact>. Make sure to also follow us on “X” (@roecsg)! Click ->  [@roecsg](https://twitter.com/roecsg)

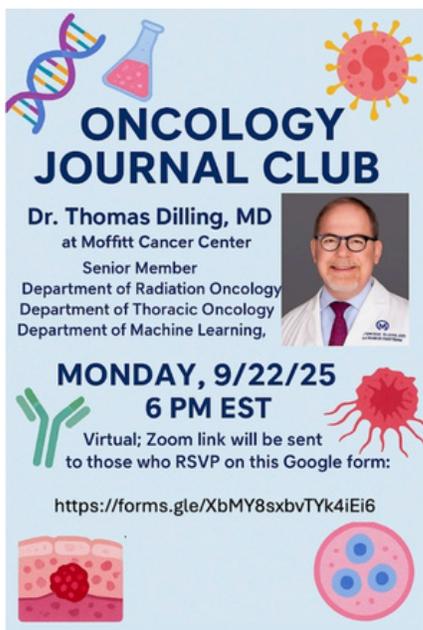
New Artificial Intelligence Resource Hub

We are excited to announce that the new ROECSG Artificial Intelligence Education Working Group (AI Education) is fully active and has been busy compiling a list of **Radiation Oncology AI Resources** available at: <https://roecsg.org/ai-in-radiation-oncology-resource-page/>. If you are interested in joining or learning more, please contact membership@roecsg.org or Leah Katz at lk2563@cumc.columbia.edu.

Featured: New Oncology Journal Club

ROECSG members are invited to join a new **Oncology Journal Club** on **Sept 22nd at 6pm ET**.

Here is the **registration link**: <https://forms.gle/XbMY8sxbvTYk4iEi6>



ONCOLOGY JOURNAL CLUB

Dr. Thomas Dilling, MD
at Moffitt Cancer Center
Senior Member
Department of Radiation Oncology
Department of Thoracic Oncology
Department of Machine Learning,

MONDAY, 9/22/25
6 PM EST
Virtual; Zoom link will be sent to those who RSVP on this Google form:
<https://forms.gle/XbMY8sxbvTYk4iEi6>

This new Journal Club will “help give more exposure to med students for radiation oncology and ... figure out what students feel like they’re struggling with when first approaching journal articles.” - Sylvia Choo

Q&A with co-founder Sylvia Choo

Q1: What was the inspiration for starting this new Oncology Journal Club?

A1: When I first started medical school, I and many of my peers didn't have a particularly strong research background and felt a bit lost when trying to distill a journal article down to its main takeaways. So a few of us under the mentorship of Dr. Sarah Hoffe at Moffitt started a monthly series of journal club sessions at our school where a medical oncologist or radiation oncologist would present a journal article and highlight a concept (eg, Kaplan-Meier survival curves) for medical students to learn. This series was really well-received by the medical students at our school, so our current team (Torrin Jacobsen, Alberic Gan, and Lillian Zhang) want to expand the journal club to an online format to make it more accessible to a larger audience of medical students.

Q2: What are the goals of the Oncology Journal Club?

A2: The goals of the Oncology Journal Club are several. First, we want to help students improve their ability to read and interpret medical literature. Second, it's also a great chance to gain more exposure to the field of radiation oncology and connect with other like-minded medical students and radiation oncologists. Finally, for residents and attendings interested in medical education, this is a great opportunity to engage with medical students and develop their teaching style.

Q3: How can ROECSG members get more involved with the Oncology Journal Club?

A3: If you're a medical student, feel free to participate in the journal clubs and spread the link to other medical students who might be interested in radiation oncology. If you're a resident or an attending interested in teaching, you can volunteer to present a journal article to med students! Sessions will be virtual and the schedule is very flexible. Please contact lillianzhang@usf.edu if you're interested in teaching!

Recent #RadOnc #MedEd Publications

Here is a contemporaneous list of recent RadOnc MedEd publications, organized by theme. These publications are also featured on the ROECSSG website at: roecssg.org/references.

Health Humanities

- 1. **Link to Red Journal Cover Art Gallery:** www.redjournal.org/content/covergallery
- 2. **Link to PRO Narrative Oncology section:** www.practicalradonc.org/content/narrativeoncology
- 3. Hanson, C. “**The Other Side**”. JAMA, Aug 2025. Available at: jamanetwork.com/journals/jama/article-abstract/2837946
- 4. Wesloh, S. “**Into The Valley of the Sick**”. NEJM, July 2025. Available at: www.nejm.org/doi/full/10.1056/NEJMp2500755
- 5. Earnest, M. “**The Second Life of Jacqui B**”. NEJM, July 2025. Available at: www.nejm.org/doi/full/10.1056/NEJMp2506783
- 6. Sayed, N. “**Are We There Yet?**”. JAMA, July 2025. Available at: jamanetwork.com/journals/jama/article-abstract/2836035
- 7. Klara, K. “**The Autopsy Report**”. NEJM, June 2025. Available at: www.nejm.org/doi/full/10.1056/NEJMp2500646

Brachytherapy

- 1. Keyes M, et al. “**Joint ABS/GEC-ESTRO Consensus Statement on the Objectives of Training in Brachytherapy for Physicians.**” *Brachytherapy*, July 2025, doi: doi.org/10.1016/j.brachy.2025.05.006.
- 2. Ogunmuyiwa J, et al. “**A Scoping Review on the International State of Resident Brachytherapy Education.**” *Brachytherapy*, July 2025, pp. S1538-4721(25)00091-1, doi: doi.org/10.1016/j.brachy.2025.05.005.
- 3. Swain M, et al. “**Hands-on Training Using Human Cadavers: An Educational Method for Head and Neck Brachytherapy.**” *Brachytherapy*, Apr. 2025, pp. S1538-4721(25)00034-0, doi: doi.org/10.1016/j.brachy.2025.02.004.

Global Health

- 1. Beddok A, et al. “**Enhancing Expertise in Reirradiation: Results from a Training Workshop Organized by Unicancer, the Federation of French Cancer Centers.**” *Journal of Cancer Education: The Official Journal of the American Association for Cancer Education*, Apr. 2025, doi: doi.org/10.1007/s13187-025-02611-4.
- 2. Boisbouvier S., et al. “**Radiography Students Wishing to Work in the Field of Radiation Therapy: A French Experience.**” *Technical Innovations & Patient Support in Radiation Oncology*, vol. 34, June 2025, p. 100313, doi: doi.org/10.1016/j.tipsro.2025.100313.
- 3. Dantigny R, et al. “**The PALLIA-TRAINING Study: Mixed-Methods Study to Identify Educational Needs in Palliative Care among French Oncology Fellows.**” *Supportive Care in Cancer: Official Journal of the Multinational Association of Supportive Care in Cancer*, vol. 33, no. 8, July 2025, p. 707, doi: doi.org/10.1007/s00520-025-09749-3.
- 4. Gomis Sellés E et al. “**Burnout Levels among Radiation Oncology Residents in Spain: A Cross-Sectional Survey.**” *Clinical & Translational Oncology: Official Publication of the Federation of Spanish Oncology Societies and of the National Cancer Institute of Mexico*, vol. 27, no. 8, Aug. 2025, pp. 3543–49, doi: doi.org/10.1007/s12094-025-03862-9.
- 5. Guo C, et al. “**Association of Health Literacy with Illness Perception of Chinese Community Patients with Chronic Disease.**” *BMC Public Health*, vol. 25, no. 1, May 2025, p. 1857, doi: doi.org/10.1186/s12889-025-23123-2.
- 6. Larnaudie A, et al. “**Evolution of Radiation Oncology Training in France: Over 20 Years of the Role of the Société Française Des Jeunes Radiothérapeutes Oncologues (SFjRO, the French Society of Young Radiation Oncologists).**” *Cancer Radiothérapie: Journal De La Societe Francaise De Radiotherapie Oncologique*, vol. 29, no. 2, Apr. 2025, p. 104620, doi: doi.org/10.1016/j.canrad.2025.104620.
- 7. Linde P, et al. “**Assessing the Quality of Radiation Oncology Education in Four German Medical Schools: A Student Perspective and Comparison with DEGRO Recommendations.**” *Strahlentherapie Und Onkologie: Organ Der Deutschen Rontgengesellschaft ... [et Al]*, July 2025, doi: doi.org/10.1007/s00066-025-02442-8.
- 8. Roach M, et al. “**A Survey Study on the Roles, Responsibilities and Workforce Characteristics of Radiation Oncology Nurses in Australia.**” *Journal of Medical Imaging and Radiation Oncology*, Aug. 2025, doi: doi.org/10.1111/1754-9485.70002.

Recent #RadOnc #MedEd Publications

Global Health (cont.)

- 9. Silverwood SM, et al. **“Enhancing IMRT/VMAT Competencies in LMICs Globally within Radiation Physicists through Remote Training.”** *Radiotherapy and Oncology: Journal of the European Society for Therapeutic Radiology and Oncology*, vol. 209, May 2025, p. 110957, doi: doi.org/10.1016/j.radonc.2025.110957.
- 10. Yilmaz MT, et al. **“Determining Residents’ Concerns About Staying Up to Date: Turkish Society for Radiation Oncology-Young Radiation Oncologists’ Cross-Sectional National Survey (TROD/GROG 007).”** *JCO Global Oncology*, vol. 11, Apr. 2025, p. e2400589, doi: doi.org/10.1200/GO-24-00589.
- 11. Yorke AA, et al. **“Empowering Young Minds through STEM Education: Engaging High Schoolers in Ghana through Medical Physics.”** *Journal of Applied Clinical Medical Physics*, May 2025, p. e70126, doi: doi.org/10.1002/acm2.70126.

Diversity, Equity, and Inclusion

- 1. Besserer A, et al. **“Gender Parity in Radiation Oncology in Germany: A 2024 Analysis of Professional Roles and Academic Training.”** *Strahlentherapie Und Onkologie: Organ Der Deutschen Rontgengesellschaft ... [et Al]*, Apr. 2025, doi: doi.org/10.1007/s00066-025-02398-9.
- 2. Kerr EA, et al. **“Gender and Career Milestones of Mid-Career to Senior Medical Faculty Who Held Career Development Awards.”** *JAMA Internal Medicine*, May 2025, p. e251059, doi: doi.org/10.1001/jamainternmed.2025.1059.
- 3. Krc R, et al. **“The Society for Women in Radiation Oncology Five Years Later: Connection, Representation, and Inclusivity Matter.”** *Practical Radiation Oncology*, May 2025, pp. S1879-8500(25)00148-1, doi: doi.org/10.1016/j.prro.2025.05.005.

Recent #RadOnc #MedEd Publications

Medical Student and Resident Education

- 1. Attallah HS, et al. **“Enhancing Radiation Oncology Delineation Skills Through Simulation-Based Learning (SBL): A Five-Step Practical Approach Using the ADDIE Model.”** *Journal of Cancer Education: The Official Journal of the American Association for Cancer Education*, May 2025, doi: doi.org/10.1007/s13187-025-02637-8.
- 2. Bates JE, et al. **“The Radiation Oncology Match in 2025: A New Steady-State?”** *Practical Radiation Oncology*, vol. 15, no. 5, Sept. 2025, pp. 425–27, doi: doi.org/10.1016/j.prro.2025.04.005.
- 3. Chai BS, et al. **“Shining the Beam on the Next Generation: A Program Evaluation of a National Workshop Focusing on Medical Student Engagement in Radiation Oncology.”** *Journal of Cancer Education: The Official Journal of the American Association for Cancer Education*, May 2025, doi: doi.org/10.1007/s13187-025-02650-x.
- 4. Dosani M, et al. **“Perceived Factors That Enable Resident Entry to the Specialty of Radiation Oncology.”** *Journal of Cancer Education: The Official Journal of the American Association for Cancer Education*, vol. 40, no. 3, June 2025, pp. 365–76, doi: doi.org/10.1007/s13187-024-02515-9.
- 5. Gravemeyer S, et al. **“Defining the Student Perspective on Radiation Oncology-an Analysis of Factors Influencing Medical Students’ Decisions for Specialized Training.”** *Strahlentherapie Und Onkologie: Organ Der Deutschen Rontgengesellschaft ... [et Al]*, Apr. 2025, doi: doi.org/10.1007/s00066-025-02396-x.
- 6. Kong T, et al. **“What Inspires Medical Students to Pursue Radiation Oncology? A Thematic Analysis of Application Essays for a Canadian Studentship in Radiation Oncology.”** *Journal of Cancer Education: The Official Journal of the American Association for Cancer Education*, Apr. 2025, doi: doi.org/10.1007/s13187-025-02626-x.
- 7. Krisch JM, et al. **“Use of a Simulated Tumor Board to Teach Oncology and Multidisciplinary Collaboration to Pre-Clinical Medical Students.”** *Journal of Cancer Education: The Official Journal of the American Association for Cancer Education*, May 2025, doi: doi.org/10.1007/s13187-025-02653-8.
- 8. Kucharczak J, et al. **“Ideas for Mentorship in Oncology for Medical Students and Early Career Doctors: Insights from a UK-Wide Oncology Mentorship Scheme.”** *BMC Medical Education*, vol. 25, no. 1, July 2025, p. 1091, doi: doi.org/10.1186/s12909-025-07219-2.

Recent #RadOnc #MedEd Publications

Med Student and Resident Education (cont.)

- 9. LeCompte MC, et al. “**Results of the 2020-2023 Association of Residents in Radiation Oncology Graduating Resident Survey: Job Search Experience and Satisfaction.**” *IJROBP*, vol. 123, no. 1, Sept. 2025, pp. 15-27, doi: doi.org/10.1016/j.ijrobp.2025.02.050.
- 10. Liang Y, et al. “**Effect of Situational Simulation Teaching Combined with the AIDET Framework on Communication Skills Training for Oncology Residents.**” *Supportive Care in Cancer: Official Journal of the Multinational Association of Supportive Care in Cancer*, vol. 33, no. 6, May 2025, p. 505, doi: doi.org/10.1007/s00520-025-09570-y.
- 11. Liu M, et al. “**Impact of Competency-Based Education and Multidisciplinary Team Teaching for Standardized Training Resident on Radiation Oncology.**” *Journal of Cancer Education: The Official Journal of the American Association for Cancer Education*, July 2025, doi: doi.org/10.1007/s13187-025-02686-z.
- 12. Yang D, et al. “**Research on Doctor-Patient Communication Teaching for Oncology Residents: A New Teaching Model.**” *Journal of Evaluation in Clinical Practice*, vol. 31, no. 5, Aug. 2025, p. e14217, doi: doi.org/10.1111/jep.14217.

Patient Education

- 1. Fink KE, et al. “**Radiotherapy Patient Education: A Scoping Review to Identify Future Directions for Scholarship.**” *IJROBP*, Aug. 2025, pp. S0360-3016(25)06034-1, doi: doi.org/10.1016/j.ijrobp.2025.07.1438.
- 2. Kefeli AU, et al. “**Patient Coaching for Deep Inspiration Breath Hold Decreases Set-up Duration and Left Anterior Descending Artery Dose for Left-Sided Breast Cancer Radiotherapy.**” *Supportive Care in Cancer: Official Journal of the Multinational Association of Supportive Care in Cancer*, vol. 33, no. 5, Apr. 2025, p. 387, doi: doi.org/10.1007/s00520-025-09446-1.
- 3. Nardella N, et al. “**Personalizing Patient Education for Pancreatic Cancer Patients Receiving Multidisciplinary Care with Integration of Novel Digital Tools.**” *Healthcare (Basel, Switzerland)*, vol. 13, no. 15, Aug. 2025, p. 1929, doi: doi.org/10.3390/healthcare13151929.

Recent #RadOnc #MedEd Publications

Artificial Intelligence

- 1. Chuang W-K, et al. “**Assessing ChatGPT for Clinical Decision-Making in Radiation Oncology, With Open-Ended Questions and Images.**” *Practical Radiation Oncology*, Apr. 2025, pp. S1879-8500(25)00115-8, doi: doi.org/10.1016/j.prro.2025.04.009.
- 2. Lee C-H, et al. “**Mapping the Use of Extended Reality (XR) in Radiation Oncology Education: A Scoping Review Protocol.**” *BMJ Open*, vol. 15, no. 6, June 2025, p. e094791, doi: doi.org/10.1136/bmjopen-2024-094791.
- 3. Richlitzki C, et al. “**Assessing ChatGPT’s Educational Potential in Lung Cancer Radiotherapy From Clinician and Patient Perspectives: Content Quality and Readability Analysis.**” *JMIR Cancer*, vol. 11, Aug. 2025, p. e69783, doi: doi.org/10.2196/69783.
- 4. Roos DE, et al. “**AI in the Clinical Radiology and Radiation Oncology Assessed Curricula: When Rather Than If.**” *Journal of Medical Imaging and Radiation Oncology*, Aug. 2025, doi: doi.org/10.1111/1754-9485.13884.

General MedEd

- 1. Chen AM. “**Lessons in Leadership: Developing a Longitudinal Evidence-Based Teaching Curriculum on Professionalism in Healthcare.**” *Journal of Healthcare Risk Management: The Journal of the American Society for Healthcare Risk Management*, Apr. 2025, doi: doi.org/10.1002/jhrm.70005.
- 2. Corbin S., et al. “**Impact of Health Simulation with OSCE on the Acquisition of Radiotherapy Competencies by RTT Students.**” *Radiography (London, England: 1995)*, vol. 31, no. 4, May 2025, p. 102975, doi: doi.org/10.1016/j.radi.2025.102975.
- 3. Doyle P, et al. “**Examining Barriers to Practice in Genitourinary and Gynecologic Radiation Oncology: Results from 2 Nationwide Surveys.**” *Advances in Radiation Oncology*, vol. 10, no. 9, Sept. 2025, p. 101848, doi: doi.org/10.1016/j.adro.2025.101848.
- 4. Huang Q, et al. “**National Competition Reveals Common Errors in Target Delineation among Young Clinicians in Radiation Therapy.**” *BMC Medical Education*, vol. 25, no. 1, July 2025, p. 870, doi: doi.org/10.1186/s12909-025-07477-0.

Recent #RadOnc #MedEd Publications

General MedEd (cont.)

- 5. Leslie A, et al. “**Lifetime in Radiation Oncology: Wisdom from Retired Physicians.**” *IJROBP*, Aug. 2025, doi: doi.org/10.1016/j.ijrobp.2025.07.1439.
- 6. Nye JA, et al. “**AAPM Task Group No. 249.B-Essentials and Guidelines for Clinical Medical Physics Residency Training Programs.**” *Journal of Applied Clinical Medical Physics*, vol. 26, no. 6, June 2025, p. e70111, doi: doi.org/10.1002/acm2.70111.
- 7. Pogue BW and Niver AP. “**Analysis of the Institutional Free Market in Accredited Medical Physics Graduate Programs.**” *Journal of Applied Clinical Medical Physics*, vol. 26, no. 7, July 2025, p. e70164, doi: doi.org/10.1002/acm2.70164.
- 8. Siemann DW and Malorzo W. “**Transdisciplinary Team-Based Cancer Research: A Model for Training the next Generation of Cancer Researchers.**” *International Journal of Radiation Biology*, May 2025, pp. 1–7, doi: doi.org/10.1080/09553002.2025.2494546.
- 9. Tahmasebi H, et al. “**Multidisciplinary Oncology Education Among Postgraduate Trainees: Systematic Review.**” *JMIR Medical Education*, vol. 11, May 2025, p. e63655, doi: doi.org/10.2196/63655.
- 10. Woolen S, et al. “**Shaping a Greener Future: The Role of Education in Sustainability-AJR Podcast Series on Sustainability, Episode 6.**” *AJR. American Journal of Roentgenology*, May 2025, doi: doi.org/10.2214/AJR.25.33169.



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