

BrUOG L 358: Durvalumab and Consolidation SBRT Following Chemoradiation for Locally Advanced Stage III Non-Small Cell Lung.

7. RIH Site - Co-investigator
NSABP B-51: A Randomized Phase III Clinic Trial Evaluating Post-Mastectomy Chest Wall and Regional Nodal XRT and Post-Lumpectomy Regional Nodal XRT in Patients with Positive Axillary Nodes Before Neoadjuvant Chemotherapy Who Convert to Pathologically Negative Axillary Nodes after Neoadjuvant Chemotherapy.
8. RIH Site - Principle Investigator
DFCI-INSIGH T: Individualized Screening trial of Innovative Glioblastoma Therapy
9. RIH Site - Principle Investigator
DFCI Brain Mets: Whole brain radiation versus stereotactic radiation in patients with 5-20 brain metastases: A phase III, randomized clinical trial.

Grants

1. **Grant Title:** APBI using Non-invasive Image-guided Breast Brachytherapy (NIBB)
Funding Agency: Advanced Radiation Therapy, LLC
Amount: \$80,000
Period: 07/01/2011 – 6/31/2016
Role: Principal investigator
2. **Grant Title:** R01CA163370: “Improving Cancer Treatment Planning by DMH-Based Inverse Optimization”
Funding Agency: National Cancer Institute (NCI)
Amount: \$207,500 annual direct cost.
Period: 07/09/2012 – 03/31/2013
Role: Co-Investigator (PI: IB Mihaylov, Ph.D.)
3. **Grant Title:** Five Fraction Partial Breast Irradiation using Non-invasive Image-guided Breast Brachytherapy (NIBB).
Funding Agency: Advanced Radiation Therapy, LLC
Amount: \$80,000
Period: 10/01/2013 – 9/3/2018
Role: Principal investigator
4. **Grant Title:** Pre-operative Accelerated Partial breast Irradiation (APBI) using Non-invasive Image-Guided Breast Brachytherapy (NIBB).
Funding Agency: Advanced Radiation Therapy, LLC
Amount: \$90,000
Period: 6/1/2019 – 5/31/2022
Role: Principal investigator

Brachytherapy - Impact Factor 2.362 (2020)

Member - Editorial board

2010 – 2019 *Frontier in Radiation Oncology* - Impact Factor 4.416 (2018)
2013 – Present *American Journal of Clinical Oncology* - Impact Factor 2.339 (2020)
2014 – 2021 *Brachytherapy* - Impact Factor 2.362 (2020)
2021 – Present *The Breast Journal* - Impact Factor 2.431 (2020)

Ad Hoc Reviewer

2009 – 2014 *Brachytherapy*
2011 – 2013 *American Journal of Clinical Oncology*
2011 – Present *International Journal of Radiation Oncology, Biology, and Physics*
2012 *BMC Research Notes*
2013 *Radiation Oncology*
2013 *Cancer*
2014 *Medical Dosimetry*
2015 *Breast Cancer: Targets and Therapy*
2015 *Journal of Contemporary Brachytherapy*
2016 – Present *Practical Radiation Oncology*
2018 – Present *Advances in Radiation Oncology*
2019 – Present *Clinical Breast Cancer*
2021 *Lancet Oncology*

Clinical Trials

1. Principle Investigator
BrUOG BR 251: Accelerated Partial Breast Irradiation using Non-invasive Image-guided Breast Brachytherapy (NIBB) for Early Stage Breast Cancer: A Toxicity Assessment.
2. Co- Principle Investigator
BrUOG L 259: Stereotactic Body Radiation for Consolidation after Standard Chemoradiation for Stage III Lung Cancer.
3. Co- Principle Investigator
BrUOG 246: Cabazitaxel and Radiation For Patients With Pathologically Determined Stage 3 Prostate Cancer and/or Patients with PSA Elevation (≥ 0.1 ng/ml - < 2.0 ng/mL) Following Radical Prostatectomy.
4. Principle Investigator
BrUOG BR 291: Five Fraction Partial Breast Irradiation using Non-invasive Image-guided Breast Brachytherapy (NIBB).
5. Principle Investigator
BrUOG BR 351: Pre-operative Accelerated Partial breast Irradiation (APBI) using Non-invasive Image-Guided Breast Brachytherapy (NIBB).
6. Co-Principle Investigator

- March 15, 2024 American College of Radiation Oncology (ACRO)
Annual Summit 2024
Orlando, FL
ACRO Accreditation Update
- March 12, 2025 American College of Radiation Oncology (ACRO)
Annual Summit 2025
Resident Program
Orlando, FL
Practice Accreditation Resident Reviewer Program (PARRP)
- March 13, 2025 American College of Radiation Oncology (ACRO)
Annual Summit 2025
Orlando, FL
ACRO Accreditation Review and Update
- March 14, 2025 American College of Radiation Oncology (ACRO)
Sharing Excellence Among Leaders (SEAL) Program
Annual Summit 2024
Orlando, FL
Accreditation Review

International

- June 29, 2016 World Congress of Brachytherapy
San Francisco, CA
Moderator: *Eye Plaques for Choroidal Melanoma*
- June 29, 2016 World Congress of Brachytherapy
San Francisco, CA
Results of Non-invasive Image-guided Breast Brachytherapy (NIBB)
- June 23, 2023 American Brachytherapy Society (ABS)
Annual Meeting
Vancouver, Canada
APBI (and Brachytherapy specifically) is the Preferred Option for Early-Stage Breast Cancer

Editorial Activity

Associate Editor

- 2019 – 2023 **Senior Associate Editor**
International Journal of Radiation Oncology, Biology, and Physics -
Impact Factor 7.038 (2020)
- 2019 – Present **Associate Editor**
Frontier in Oncology: Radiation Oncology - IF 6.244 (2020)
- 2021 – Present **Associate Editor**

Dec. 7, 2021 American College of Radiation Oncology (ACRO)
Podcast
ACRO-RSS Distinction in Stereotactic Radiosurgery Program

March 10, 2022 American College of Radiation Oncology (ACRO)
Annual Summit 2022 – Sharing Excellence Among Leaders (SEAL)
Fort Lauderdale, FL
“Quality” Program: Accreditation Q&A

March 11, 2022 American College of Radiation Oncology (ACRO)
Annual Summit 2022
Fort Lauderdale, FL
ACRO Accreditation Update

March 16, 2023 American College of Radiation Oncology (ACRO)
Annual Summit 2023
Orlando, FL
Resident Symposium
Networking Session: Mentorship

March 17, 2023 American College of Radiation Oncology (ACRO)
Annual Summit 2023
Sharing Excellence Among Leaders (SEAL) Program
Orlando, FL
Accreditation Workshop

March 17, 2023 American College of Radiation Oncology (ACRO)
Annual Summit 2023
Orlando, FL
Resident Symposium
Cases with the Experts

March 18, 2023 American College of Radiation Oncology (ACRO)
Annual Summit 2023
Orlando, FL
ACRO Accreditation Update

Oct. 4, 2023 American Society of Therapeutic Radiation Oncology (ASTRO)
Annual Meeting 2023
San Diego, CA
Moderator
Breast Session 4 – QP

March 14, 2024 American College of Radiation Oncology (ACRO)
Sharing Excellence Among Leaders (SEAL) Program
Annual Summit 2024
Orlando, FL
Accreditation Workshop

*Individualizing Breast Brachytherapy Treatment Recommendations:
Non-invasive Image-guided Breast Brachytherapy.*

- Oct. 19, 2018 Breast Cancer Idea Exchange
San Antonio, TX
*Can APBI be the Preferred Option for Early Stage Breast Cancer:
Techniques and limitations.*
- March 8, 2019 American College of Radiation Oncology (ACRO)
Annual Meeting
Orlando, FL
ACRO Accreditation Update 2019
- April 29, 2019 Varian Webinar Lecture Series
Non-Invasive Breast Brachytherapy – A Clinical Update
- June 13, 2019 American Brachytherapy Society (ABS)
Annual Meeting
Miami, FL
*Breast Session I: Partial Breast Irradiation 2019- Data, Guidelines,
and Novel Approaches:
Novel PBI Techniques*
- June 14, 2019 American Brachytherapy Society (ABS)
Annual Meeting
Miami, FL
*Breast Session II: Partial Breast Irradiation- Targets and Techniques:
Non-invasive Image-guided Breast Brachytherapy (NIBB)*
- Sept. 15, 2019 American Society of Therapeutic Radiation Oncology (ASTRO)
Annual Meeting – Vendor sponsored lecture
Chicago, IL
Update of APBI using NIBB
- Feb. 28, 2020 American College of Radiation Oncology (ACRO)
Annual Summit 2020
Fort Lauderdale, FL
ACRO Accreditation Update 2019
- Feb. 28, 2020 American College of Radiation Oncology (ACRO)
Annual Summit 2020 – Sharing Excellence Among Leaders (SEAL)
Fort Lauderdale, FL
Developing a “Quality” Program
- Feb. 27, 2021 American College of Radiation Oncology (ACRO)
Annual Summit 2021
Virtual Meeting
ACRO Accreditation Update

Non-invasive image-guided breast brachytherapy for APBI

- April 4, 2014 American Brachytherapy Society (ABS)
Annual Meeting
San Diego, CA
Moderator: *Challenging Cases in Breast Brachytherapy*
- March 18, 2016 American College of Radiation Oncology (ACRO)
Annual Meeting
Orlando, FL
ACRO Accreditation Update
- April 8, 2016 Accuboot Users Meeting
Boca Rotan, FL
 1. *Rational and Update of NIBB APBI*
 2. *Patient Selection for NIBB*
 3. *Dosimetry of NIBB*
 4. *Challenging Cases*
- April 22, 2016 Accuboot Users Meeting
San Diego, CA
 1. *Rational and Update of NIBB APBI*
 2. *Patient Selection for NIBB*
 3. *Dosimetry of NIBB*
 4. *Challenging Cases*
- March 10, 2017 American College of Radiation Oncology (ACRO)
Annual Meeting
Orlando, FL
ACRO Accreditation Review and Update
- April 20, 2017 American Brachytherapy Society (ABS)
Annual Meeting
Boston, MA
Moderator: *Novel Applications of Breast Brachytherapy*
- April 21, 2017 American Brachytherapy Society (ABS)
Annual Meeting
Boston, MA
Moderator: *Scientific Session: Socioeconomic Proffered Papers*
- March, 2018 American College of Radiation Oncology (ACRO)
Annual Meeting
Orlando, FL
ACRO Accreditation Review and Update
- June 7, 2018 American Brachytherapy Society (ABS)
Annual Meeting
San Francisco, CA

Oct. 18, 2014 Avenues of Healing
Warwick, RI
The Mastectomy Myth: Is Mastectomy Necessary for Cure?

Oct. 9, 2015 American Cancer Society (ACS) Cancer Action Network (CAN)
Rhode Island Research Breakfast
Providence, RI
Key Note Speaker: *Innovations in Cancer Research*

May 5, 2017 Chest Conference Series for Brown Affiliated Hospitals
Providence, RI
SBRT for early stage lung cancer

National

May 18-21, 2012 Gamma Knife Training Course
San Juan, Puerto Rico
1. *Basic Principles of Radiosurgery vs. Radiotherapy*
2. *Basic Radiobiology*
3. *Brain Metastases*
4. *Gliomas*

Feb. 8, 2014 American Brachytherapy Society
Quality Management Brachytherapy School 2014
Orlando, FL
Breast Brachytherapy Guidelines

Feb. 8, 2014 American Brachytherapy Society
Quality Management Brachytherapy School 2014
Orlando, FL
QM for Breast Brachytherapy

Feb. 8, 2014 American Brachytherapy Society
Quality Management Brachytherapy School 2014
Orlando, FL
QM for Accuboot

Feb. 8, 2014 American Brachytherapy Society
Quality Management Brachytherapy School 2014
Orlando, FL
Panelist: *Treatment planning: TG43 to heterogeneity correction*

Feb. 24, 2014 Varian Webinar Lecture Series
Non-invasive Breast Brachytherapy for APBI: A new prospective

April 4, 2014 American Brachytherapy Society (ABS)
Annual Meeting
San Diego, CA

- Sept. 13, 2011 Breast Health Center Grand Rounds
Women and Infants Hospital, Providence, RI
Oligometastatic Disease in Breast Cancer and the Role of SBRT
- July 10, 2012 Neuro-Oncology Grand Rounds
Rhode Island Hospital, Providence, RI
Radiosurgery for Brain Metastasis.
- July 20, 2012 Radiation Therapist Lecture (CME)
Rhode Island Hospital, Providence, RI
Non-invasive Image-guided Breast Brachytherapy (NIBB) to deliver APBI: BrUOG 251 update.
- Feb.17, 2017 Radiation Therapist Lecture (CME)
Rhode Island Hospital, Providence, RI
APBI of Non-invasive Image-guided Breast Brachytherapy (NIBB) Rationale, Technique, and Update of BrUOG 251 and 291.
- May 10, 2019 Oncology Fellow Didactics
Women's Infants Hospital, Providence, RI
Radiation Therapy in Early Breast Cancer

Regional

- Oct. 4, 2007 AAPM - New England Chapter Annual Meeting
Electronic Brachytherapy: Future directions.
- April 30, 2011 Breast Imaging Seminar
Anne C. Pappas Center for Breast Imaging
Rhode Island Hospital, Providence, RI
Imaging for Planning and Guidance of Modern Breast Radiation Therapy
- Oct. 26, 2011 Lee Ann Riley Memorial Breast Cancer Symposium
Bridgeport, CT
Accelerated Partial Breast Irradiation (APBI)
- June 15, 2012 AAPM - New England Chapter Annual Meeting
Providence, RI
Non-invasive Image-guided Breast Brachytherapy (NIBB) to deliver APBI: Rationale and Technique.
- Sept. 27, 2012 Coastal Medical – CME on Cancer Diagnosis, Screening and Management.
Providence, RI
Breast Cancer

Annual Summit
Las Vegas, NV
Initial results of the Practice Accreditation Resident Reviewer Program (PARRP): a pilot study to educate residents about radiation oncology practice accreditation through mentored chart review.

International

May 2-4, 2020 World Congress of Brachytherapy
Vienna, Austria
Phase II Trial of Accelerated Partial Breast Irradiation (APBI) using Non-invasive Image-guided Breast Brachytherapy (NIBB).
Meeting Canceled to due COVID-19 pandemic

Invited Lectures:

Local

Oct. 22, 2009 Neuroscience Lecture Series
Greater Baltimore Medical Center, Baltimore, MD
Intracranial Stereotactic Radiosurgery

Jan 14, 2010 Medical Grand Rounds
St. Agnes Hospital. Baltimore, MD
Stereotactic Radiotherapy for Early Stage Lung Cancer

April 8, 2011 Radiation Oncology Residency Physics Course
Tufts Medical Center, Boston, MA
Radiosurgery Treatment Delivery

April 12, 2011 Breast Health Center Grand Rounds
Women and Infants Hospital, Providence, RI
Accelerated Partial Breast Irradiation: Supporting Data, Established Techniques, and Novel Directions

April 15, 2011 Radiation Oncology Nursing Lecture Series (CME)
Rhode Island Hospital, Providence, RI
Cyberknife and Tumor Tracking

June 17, 2011 Radiation Oncology Grand Rounds
Tufts Medical Center, Boston, MA
Stereotactic Body Radiotherapy (SBRT) for Spine Metastasis

August 30, 2011 Medical Grand Rounds
Rhode Island Hospital, Providence, RI
Miriam Hospital, Providence, RI
Newport Hospital, Newport, RI
2011 Update – Current Topics in Oncology: Breast Cancer

- Oct. 21-24, 2018 American Society of Therapeutic Radiation Oncology (ASTRO)
60th Annual Meeting
San Antonio, TX
Multi-institutional Registry Study of Accelerated Partial Breast Irradiation (APBI) Using Non-invasive Image-guided Breast Brachytherapy (NIBB).
Poster Discussion
- Oct. 25-28, 2020 American Society of Therapeutic Radiation Oncology (ASTRO)
62nd Annual Meeting
Virtual Meeting
The Effect of Radiotherapy Dose on Overall Survival and Pathologic Response in Locally Advanced Non-small Cell Lung Cancer Treated with Neoadjuvant Chemoradiation.
- June 4-8, 2021 American Society of Clinical Oncology (ASCO)
Annual Meeting
Virtual Meeting
Co-author
Preliminary results of abemaciclib arm of in the Individualized Screening Trial of Innovative Glioblastoma Therapy (INSIGHt): A phase II platform trial using Bayesian adaptive randomization.
- Oct. 24-27, 2021 American Society of Therapeutic Radiation Oncology (ASTRO)
63rd Annual Meeting
Chicago, IL
Risk of Pneumonitis in Patients With Stage III Non-Small Cell Lung Cancer Treated With Definitive Chemo-RT and Durvalumab Consolidation.
Poster Discussion
- Oct. 24-27, 2021 American Society of Therapeutic Radiation Oncology (ASTRO)
63rd Annual Meeting
Chicago, IL
Chemoradiation vs. Radiation Alone in the Management of Inoperable cT1-T2N1 Non-Small Cell Lung Cancer, a Propensity-Weighted Hospital Database Analysis.
Poster Discussion
- Oct. 24-27, 2021 American Society of Therapeutic Radiation Oncology (ASTRO)
63rd Annual Meeting
Chicago, IL
Comparison of Tumor Bed Delineation Using a Novel Radiopaque Suture Marker versus Surgical Clips for Targeting Breast Cancer Radiotherapy.
Poster Discussion
- March 12-15, 2025 American College of Radiation Oncology (ACRO)

San Antonio, TX
Management approach for recurrent brain metastases following upfront radiosurgery may affect risk of subsequent radiation necrosis.

March 17-19, 2016 American College of Radiation Oncology (ACRO)
Annual Meeting
Orlando, FL
Comparison of On-site versus On-line Chart Reviews as Part of the ACRO Accreditation Program.
Poster Walk

Sept. 24-27, 2017 American Society of Therapeutic Radiation Oncology (ASTRO)
59th Annual Meeting
San Diego, CA
Surgical Resection and Posterior Fossa Location Increase the Incidence of Leptomeningeal Disease in Patients Treated with Stereotactic Radiosurgery for Brain Metastases.

Sept. 24-27, 2017 American Society of Therapeutic Radiation Oncology (ASTRO)
59th Annual Meeting
San Diego, CA
Using a Novel Machine Learning Technique to Predict Brain Metastasis Velocity Following Stereotactic Radiosurgery for Brain Metastases.

Sept. 24-27, 2017 American Society of Therapeutic Radiation Oncology (ASTRO)
59th Annual Meeting
San Diego, CA
Using a Novel Machine Learning Technique to Predict Radiation Oncology Outcomes.

Sept. 24-27, 2017 American Society of Therapeutic Radiation Oncology (ASTRO)
59th Annual Meeting
San Diego, CA
Five Fraction Accelerated Partial Breast Irradiation (APBI) Using Non-invasive Image-guided Breast Brachytherapy (NIBB): Feasibility and Acute Toxicity.

Oct. 21-24, 2018 American Society of Therapeutic Radiation Oncology (ASTRO)
60th Annual Meeting
San Antonio, TX
Treatment of Brainstem Metastases.

Oct. 21-24, 2018 American Society of Therapeutic Radiation Oncology (ASTRO)
60th Annual Meeting
San Antonio, TX
Dosimetric Comparison of Deep Inspiration Breath-Hold versus Free Breathing for Right-Sided Breast Cancer with Comprehensive Nodal Radiation.

- San Francisco, CA
Improving patient selection for stereotactic radiosurgery as the initial radiotherapy approach for brain metastases.
- Sept. 14-17, 2014 American Society of Therapeutic Radiation Oncology (ASTRO)
56th Annual Meeting
San Francisco, CA
Comparison of Fractionated Stereotactic Radiosurgery and Single-Fraction Stereotactic Radiosurgery for the Treatment of Brain Metastases.
- Sept. 14-17, 2014 American Society of Therapeutic Radiation Oncology (ASTRO)
56th Annual Meeting
San Francisco, CA
Patterns of Regional Failure and Evaluation of LN Dose in Early-Stage NSCLC Treated With SBRT.
- Sept. 14-17, 2014 American Society of Therapeutic Radiation Oncology (ASTRO)
56th Annual Meeting
San Francisco, CA
Evaluation of Interfraction Changes in Tumor Volume to Predict Long-Term Outcomes of SBRT in Early-Stage NSCLC.
- Sept. 14-17, 2014 American Society of Therapeutic Radiation Oncology (ASTRO)
56th Annual Meeting
San Francisco, CA
Re-treatment of Brain Metastases using Stereotactic Radiosurgery.
- Oct. 18-21, 2015 American Society of Therapeutic Radiation Oncology (ASTRO)
57th Annual Meeting
San Antonio, TX
Multi-institutional Nomogram Predicting Survival Free From Salvage Whole-Brain Radiation After Radiosurgery for Brain Metastases.
- Oct. 18-21, 2015 American Society of Therapeutic Radiation Oncology (ASTRO)
57th Annual Meeting
San Antonio, TX
New Cardiac Abnormalities Following Radiation Therapy in Breast Cancer Patients Treated With Trastuzumab.
Poster Walk
- Oct. 18-21, 2015 American Society of Therapeutic Radiation Oncology (ASTRO)
57th Annual Meeting
San Antonio, TX
Patients With Long-term Control of Systemic Disease Are a Favorable Prognostic Group for Treatment of Brain Metastases With SRS Alone.
- Oct. 18-21, 2015 American Society of Therapeutic Radiation Oncology (ASTRO)
57th Annual Meeting

*from Non-Small Cell Lung Cancer Staged with PET-CT
Compared to CT Alone.*

- Feb. 13-16, 2013 American College of Radiation Oncology (ACRO)
23rd Annual Meeting
San Antonio, TX
*Treatment Planning Approaches to Minimizing Risk of Radionecrosis
in Robotic Radiosurgery for Brain Metastases.*
- April 17-20, 2013 American Brachytherapy Society (ABS)
Annual Meeting
New Orleans, LO
*Chest wall dose assessment in patients treated using non-invasive
image-guided breast brachytherapy APBI.*
- April 17-20, 2013 American Brachytherapy Society (ABS)
Annual Meeting
New Orleans, LO
*Breast Boost Using Non-invasive Image-Guided Breast Brachytherapy
vs. En Face Electrons: A 2:1 Matched Pair Analysis.*
- Aug. 4-8, 2013 American Association of Physicists in Medicine (AAPM)
Annual Meeting
Indianapolis, IN
*Dosimetric effect of patient arm position in spinal CyberKnife robotic
Radiosurgery.*
- Sept 22-25, 2013 American Society of Therapeutic Radiation Oncology (ASTRO)
53rd Annual Meeting
Atlanta, GA
*Experience Using Fractionated Stereotactic Radiosurgery to
Treat Large CNS Metastases.*
- Sept 22-25, 2013 American Society of Therapeutic Radiation Oncology (ASTRO)
53rd Annual Meeting
Atlanta, GA
Poster Discussion
*Factors Influencing Local Control and Survival in Patients Treated
with Radiosurgery Following Surgical Resection of CNS Metastases.*
- April 3-5, 2014 American Brachytherapy Society (ABS)
Annual Meeting
San Diego, CA
Poster Discussion
*Factors Influencing Eligibility for Breast Boost Using
Non-invasive Image-Guided Breast Brachytherapy (NIBB)*
- Sept. 14-17, 2014 American Society of Therapeutic Radiation Oncology (ASTRO)
56th Annual Meeting

Brachytherapy System for Partial Breast Irradiation

- Feb. 23-25, 2012 American College of Radiation Oncology (ACRO)
22nd Annual Meeting
Fort Myers, FL
Survival and CNS Control in Patients with Small Cell Lung Cancer who Undergo Salvage Radiosurgery.
- April 14-18, 2012 American Association of Neurological Surgeons (AANS)
80th Annual Scientific Meeting
Miami, FL
Survival Among Patients with Greater than 10 Brain Metastases Treated with Stereotactic Radiosurgery.
- May 10-12, 2012 World Congress of Brachytherapy
American Brachytherapy Society (ABS)
Barcelona, Spain
Prescription dose evaluation for APBI with non-invasive breast brachytherapy using equivalent uniform dose.
- Oct. 28 - 31, 2012 American Society of Therapeutic Radiation Oncology (ASTRO)
52nd Annual Meeting
Boston, MA
Breast Boost Using Noninvasive Image-Guided Breast Brachytherapy vs. En Face Electrons: A Matched Pair Analysis
- Oct. 28 - 31, 2012 American Society of Therapeutic Radiation Oncology (ASTRO)
52nd Annual Meeting
Boston, MA
Dosimetric Accuracy of Ray-Tracing Algorithm for Treatment of Thoracic Spine Lesions Using Robotic Radiosurgery.
- Oct. 28 - 31, 2012 American Society of Therapeutic Radiation Oncology (ASTRO)
52nd Annual Meeting
Boston, MA
Stereotactic Radiosurgery as Salvage for Brain Metastases from Small-cell Lung Cancer.
- Oct. 28 - 31, 2012 American Society of Therapeutic Radiation Oncology (ASTRO)
52nd Annual Meeting
Boston, MA
Associating Risk with Survival and Brain Recurrence in Patients with Non-Small Cell Lung Cancer Treated Aggressively for Synchronous Brain Metastases.
- Nov. 25-30, 2012 Radiologic Society of North America (RSNA)
98th Annual Meeting
Chicago, IL
Improved Outcomes in Patients with Synchronous Brain Metastases

- April 21-22, 1995 49th Annual Eastern Colleges Science Conference (ECSC)
Ithaca College, Ithaca, NY
Interaction of Cisplatin with Sulfhydryl Compounds.
- Oct. 22-25, 1995 25th Northeast Regional American Chemical Society Meeting
Rochester, NY
*Interaction of Hydrophilic and Hydrophobic Biocompounds and
Drugs with Phospholipid Films.*
- Oct. 22-25, 1995 25th Northeast Regional American Chemical Society Meeting
Rochester, NY
Medical Applications of Polypyrrole/Heparin Films.

National

- May 2001 North American Vascular Biology Organization conference on
Atherosclerosis, Thrombosis, and Vascular Biology (ATVB/NAVBO)
Washington, DC
*Shear Stress and Lysophosphatidic Acid Act Synergistically to Activate
MAP Kinase ERK1/2.*
- Nov. 5-9, 2006 American Society of Therapeutic Radiation Oncology (ASTRO)
48th Annual Meeting
Philadelphia, PA
*Holographic Image Guided Radiation Therapy (HIGRT) Treatment
Planning: a Multi-Institutional Study.*
- Oct. 28 – Nov. 1, 2007 American Society of Therapeutic Radiation Oncology (ASTRO)
49th Annual Meeting
Los Angeles, CA
*Multi-Institutional Randomized Study to Evaluate a Holographic
Display for Radiation Therapy Treatment Planning.*
- Oct. 28 – Nov. 1, 2007 American Society of Therapeutic Radiation Oncology (ASTRO)
49th Annual Meeting
Los Angeles, CA
*IMRT Irradiation of the Prostate Following Cryotherapy:
Analysis of Late Toxicity.*
- Sept. 20-25, 2008 American Society of Therapeutic Radiation Oncology (ASTRO)
50th Annual Meeting
Boston, MA
*Physical Principles of Intensity Modulated Electronic
Brachytherapy (IMEB)*
- Sept. 20-25, 2008 American Society of Therapeutic Radiation Oncology (ASTRO)
50th Annual Meeting
Boston, MA
*Three-dimensional Dose Modeling of the AccuBoost
Mammography-based Image Guided Non-invasive Breast*

Sept. 17, 2014 American Society of Therapeutic Radiation Oncology (ASTRO)
56th Annual Meeting
San Francisco, CA
Non-invasive Image-guided Breast Brachytherapy (NIBB) to Deliver Accelerated Partial Breast Irradiation (APBI): Analysis of Acute Toxicity and Early Outcomes.

Oct. 20, 2015 American Society of Therapeutic Radiation Oncology (ASTRO)
57th Annual Meeting
San Antonio, TX
SBRT Boost Following Concurrent Chemoradiation for Locally Advanced NSCLCa: Phase I Dose Escalation Study

International

June 27, 2016 World Congress of Brachytherapy
San Francisco, CA, USA
Initial Experience of Five Fraction Accelerated Partial Breast Irradiation using Non-invasive Image-guided Breast Brachytherapy (NIBB).

June 22, 2023 American Brachytherapy Society (ABS)
Annual Meeting 2023
Vancouver, Canada
BrUOG 291: Phase II Trial of Five-Fraction Accelerated Partial Breast Irradiation (APBI) Using Non-invasive Image-guided Breast Brachytherapy (NIBB)

Scientific Poster Presentations:

Local

March 1994 Learning and Research Fair
SUNY Potsdam College, Potsdam, NY
Interactions of Hydrophilic and Hydrophobic Compounds with Phospholipid Films.

Oct. 27, 2011 19th Annual Research Celebration
Providence, RI
Reduced coverage of axillary level I & II lymph nodes with whole breast irradiation in the prone vs. supine position.

Regional

April 21-22, 1995 49th Annual Eastern Colleges Science Conference (ECSC)
Ithaca College, Ithaca, NY
Interaction of Hydrophilic and Hydrophobic Biocompounds and Drugs with Phospholipid Films.

13. Jenna M. Kahn, MD and Jaroslav T. Hepel, MD. “The 5-Minute Clinical Consult, 2018 edition.” Chapter: Thymus Cancer. Lippincott, Williams, and Wilkins, Philadelphia, 2017.
14. Jaroslav T. Hepel, MD and Timothy J. Kinsella. “Perez and Brady’s Principles and Practice of Radiation Oncology, 7th edition.” Chapter 86: Osteosarcoma and Other Primary Tumors of Bone. Lippincott, Williams, and Wilkins, Philadelphia 2018.
15. Jenna M. Kahn, MD and Jaroslav T. Hepel, MD. “The 5-Minute Clinical Consult, 2019 edition.” Chapter: Thymus Cancer. Lippincott, Williams, and Wilkins, Philadelphia, 2018.
16. Jenna M. Kahn, MD and Jaroslav T. Hepel, MD. “The 5-Minute Clinical Consult, 2020 edition.” Chapter: Thymus Cancer. Lippincott, Williams, and Wilkins, Philadelphia, 2019.
17. Jaroslav T. Hepel and Chelsea Miller. “Principles and Practice of Gynecologic Oncology 8th Edition.” Chapter 11.10: Radiation Therapy for Breast Cancer. Lippincott, Williams, and Wilkins, Philadelphia, 2024.
18. Theresa Graves, Stephanie Graff, and Jaroslav T. Hepel. “Principles and Practice of Gynecologic Oncology 8th Edition.” Chapter 11.11: Multidisciplinary Approach to Breast Cancer Care. Lippincott, Williams, and Wilkins, Philadelphia, 2024.

Invited Presentations

Scientific Oral Presentations:

Local

June 2, 2004 Internal Medicine Grand Rounds
 Univ. of California at Irvine Medical Center
Salvage High-Dose-Rate (HDR) Brachytherapy for Recurrent Head and Neck Cancer.

National

Sept. 22, 2008 American Society of Therapeutic Radiation Oncology (ASTRO)
 50th Annual Meeting
 Boston, MA
Toxicity of 3D-CRT for Accelerated Partial Breast Irradiation.

April 17, 2013 American Brachytherapy Society (ABS)
 Annual Meeting
 New Orleans, LO
Accelerated Partial Breast Irradiation using Non-invasive Image-guided Breast Brachytherapy (NIBB): Feasibility and Early Experience.

1. Jaroslav T. Hepel, MD, Shirin Sioshansi, MD, Mark Rivard, PhD, and David E. Wazer, MD. "Accelerated Partial Breast Irradiation, 2nd edition." Chapter 24: New Technologies, Part II: Novel sources and delivery systems. Springer, New York, 2009.
2. David E. Wazer, MD and Jaroslav T. Hepel, MD. "Accelerated Partial Breast Irradiation, 2nd edition." Chapter 22: Normal Tissue Toxicity after Accelerated Partial Breast Irradiation. Springer, New York, 2009.
3. Jenna M. Kahn, MD and Jaroslav T. Hepel, MD. "The 5-Minute Clinical Consult, 2013 edition." Chapter: Thymus Cancer. Lippincott, Williams, and Wilkins, Philadelphia, 2012.
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15. Hepel JT and Wazer, DE. A Comparison of Brachytherapy Techniques for Partial Breast Irradiation. *Brachytherapy*, 2012;11(3):163-75.
16. P Rava, KL Leonard, S Sioshansi, B Curran, DE Wazer, R Cosgrove, G Noren, and JT Hepel. Survival among Patients with Greater than 10 Brain Metastases Treated with Stereotactic Radiosurgery. *Journal of Neurosurgery* 2013 Aug; 119(2):457-62.
17. AR Crawford, L Dworkin, KL Leonard, H Khurshid, and JT Hepel. Recurrence of paraneoplastic membranous glomerulonephritis following chemoradiation in a man with non-small-cell lung carcinoma. *Rare Tumors* 2013 May 6; 5(2):62-4.
18. Stewart AJ, Hepel JT, O'Farrell DA, Devlin PM, Price LL, Dale RG, and Wazer DE. Equivalent uniform dose for accelerated partial breast irradiation using the MammoSite applicator. *Radiotherapy and Oncology* 2013, Aug;108(2):232-5.
19. Leonard KL, Hepel JT, Styczynski JR, Hiatt JR, Dipetrillo TA, and Wazer DE. Breast boost using noninvasive image-guided breast brachytherapy vs. external beam: a 2:1 matched-pair analysis. *Clinical Breast Cancer* 2013 Dec;13(6):455-9.
20. Rava P, Sioshansi S, DiPetrillo TA, Cosgrove GR, Melhus C, Wu J, Mignano J, Wazer DE, and Hepel JT. Local recurrence and survival following stereotactic radiosurgery for brain metastases from small-cell lung cancer practical radiation oncology. *Practical Radiation Oncology* 2015 Jan-Feb;5(1):e37-44.
21. Hepel JT, Hiatt JR, Sha S, Leonard KL, Graves TA, Wiggins DL, Mastras D, Pittier A, Brown University Oncology Research Group, and Wazer DE. The Rationale, Technique, and Feasibility of Partial Breast Irradiation Using Non-invasive Image-guided Breast Brachytherapy (NIBB). *Brachytherapy* 2014, Sep-Oct;13(5):493-501.
22. Hepel JT, Leonard KL, Hiatt JR, DiPetrillo TA, Wazer DE. Factors influencing eligibility for breast boost using noninvasive image-guided breast brachytherapy. *Brachytherapy*. 2014 Nov-Dec;13(6):579-83.

Publications

Original peer-reviewed publications:

1. Hepel JT, Bruckenstein S, and Hepel M. Effect of pH on Ion Dynamics in Composite PPy/Heparin Films. *Microchemical Journal*, 1997; 55: 179-191.
2. Tabel GM, Hepel JT, Whittaker P, Palal B, and Chandraratna PA. Hypoechoic Areas on Ultrasound Images of Atheroma Are Not Always Diagnostic of Fatty Plaque. *Ultrasound in Medicine and Biology*, 2005; 31(8): 1013-15.
3. Hepel JT, Syed AM, Puthawala A, Sharma A, and Frankel P. Salvage High-Dose-Rate (HDR) Brachytherapy for Recurrent Head and Neck Cancer. *International Journal of Radiation Oncology, Biology, and Physics* 2005; 62(5); 1444-50.
4. MacAusland SG, Hepel JT, Chong FK, Galper SL, Gass JS, Ruthazer R, Wazer DE. An Attempt to Independently Verify the Utility of the Van Nuys Prognostic Index for Ductal Carcinoma In Situ. *Cancer*, 2007; 110(12):2648-53.
5. Hiatt JR, Cardarelli GA, Hepel JT, Wazer DE, and Sternick, ES. A Commissioning Procedure for Breast Intracavitary Electronic Brachytherapy Systems. *Journal of Applied Clinical Medical Physics* 2008; 9(3):2775.
6. Hepel JT, MacAusland SG, Long JP, Wazer DE, and DiPetrillo T. Intensity-Modulated Radiotherapy of the Prostate after Cryotherapy: Initial Experience. *Urology*, 2008; 72(6):1310-4.
7. Chu JCH, Gong X, Cai C, Kirk M, Zusag T, Shott S, Rivard M, Melhus C, Cardarelli G, Hurley A, Hepel JT, Napoli J, and Abrams R. Application of Holographic Display in Radiotherapy Treatment Planning: a Multi-Institutional Study. *Journal of Applied Clinical Medical Physics* 2009; 10(3):2902.
8. Hepel JT, Evans SB, Hiatt JR, Price LL, DiPetrillo T, Wazer DE, and MacAusland SG. Planning the Breast Boost: A Comparison of Three Techniques and Evolution of the Tumor Bed During Treatment. *International Journal of Radiation Oncology, Biology, and Physics* 2009; 74(2):458-463.
9. Hepel JT, Tokita M, MacAusland SG, Evans SB, Hiatt JR, Price LL, DiPetrillo T, Wazer DE. Toxicity of Three-Dimensional Conformal Radiotherapy for Accelerated Partial Breast Irradiation. *International Journal of Radiation Oncology, Biology, and Physics* 2009; 75(5):1290-1296.
10. Hepel JT, Hiatt JR, Cardarelli GA, and Wazer DE. Modeling Study for Optimization of Skin Dose for Partial Breast Irradiation Using Xofigo Axxent Electronic Brachytherapy Applicator. *Brachytherapy* 2010; 9(1):81-5.
11. Paul Rava P, Dvorak T, Markelewicz RJ, Hiatt JR, Sternick ES, MacAusland SG, Huber K, Wazer DE, Hepel JT. A comparison of the biological effective dose (BED) of 50 kV

Audience: 15-20 Attendings and Residents

2024 – Present

Coordinator/Director

Research Rounds

Rhode Island Hospital, Providence, RI

Description: Research conference with presentation of resident and attending research projects.

Frequency: 1 hour, quarterly.

Audience: 15-20 Attendings, Residents and Students

Dec. 1, 2023

Feb. 14, 2025

Lecturer,

WIH Oncology Fellow Didactics

“Radiation for Early Breast Cancer”

WIH, Providence, RI

Audience: 6 Breast Surgical Fellows and GYN Onc Fellows

Length: 1 hour

2024 – Present

Lecturer,

Radiation Oncology Teaching Rounds

Rhode Island Hospital, Providence, RI

Description: Biweekly teaching conference for Radiation Oncology Department

Frequency: 30 minutes, 3-4x/year

Audience: 15-20 Attendings, Residents, and Medical Students

2024 – Present

Director of Academic Affairs

Department of Radiation Oncology

Brown University Health Cancer Institute

Description: Supervision of all academic activities in the Department of Radiation Oncology at Brown University and Rhode Island Hospital and affiliated sites. This includes assistance in resident and medical student curriculum development, attending professional development curriculum, medical student, resident, and attending research mentorship, and medical student, resident, and attending academic mentorship.

Professional Societies

2004 – 2006

American Medical Association (AMA)

2004 – 2006

American College of Physicians (ACP)

2005 – 2011

American College of Radiology (ACR)

2010 – 2015

Association for Directors of Radiation Oncology Program (ADROP)

2008 – 2018

American Society of Clinical Oncology (ASCO)

2004 – 2006,

American Medical Association (AMA)

2021 – Present

2005 – Present

American Society for Therapeutic Radiology and Oncology (ASTRO)

2005 – Present

American Brachytherapy Society (ABS)

2007 – 2022

Massachusetts Medical Society (MMS)

2010 – Present

American College of Radiation Oncology (ACRO)

Resident/Fellow Elective in Radiation Oncology

Rhode Island Hospital, Providence, RI

Description: Elective in Radiation Oncology for Hem/Onc Fellows or Neurosurgery Residents. Direct supervision and education of residents and fellows.

Duration: 60 hours/week for 1 week per elective; 1-2 residents/year. (120-240 hours/year)

2012 – Present

Supervisor,

WIH Breast Surgeon Fellow Elective in Radiation Oncology

Rhode Island Hospital, Providence, RI

Description: Elective in Radiation Oncology for WIH Breast Surgery Fellows.

Duration: 40-60 hours/week for 2 week per elective; 2 fellows/year. (160-240 hours/year)

2012 – Present

Educator,

Experience in Rad Onc as part of Hem/Onc elective for Internal Medicine Residents

Brown University, RIH, Providence, RI

Description: Direct supervision and education of residents.

Duration: ½ day/elective; 1-2 students/year. (40-60 hours/year)

2015 – 2024

Director of Academic Affairs

Department of Radiation Oncology

Radiation Oncology Residency Program,

Tufts Medical Center, and Rhode Island Hospital

Description: Supervision of all academic activities in the Departments of radiation oncology at Rhode Island Hospital, Brown University and Tufts Medical Center, Tufts University. This includes assistance in resident and medical student curriculum development, attending professional development curriculum, medical student, resident, and attending research mentorship, and medical student, resident, and attending academic mentorship.

Dec. 2019

Lecturer,

Med Ed-BIOL3645 – General Pathology

“Radiation Exposure and Safety”

Brown University, Providence, RI

Audience: ~100 Medical Students

Frequency: 1 hour/year

2020 – 2024

Coordinator/Director

Research Rounds

Rhode Island Hospital, Providence, RI

Tufts Medical Center, Boston, MA

Description: Monthly research conference with presentation of resident and attending research projects.

Frequency: 1 hour/monthly

Audience: 500

Sept 2014 – March 2015 **Supervisor**

Doctoring Course – Year 2

Brown University, Providence, RI

Audience: 1 Second year medical student

Duration: ½ day/week for 10 weeks (40 hours/year)

Sept 2015 – March 2016 **Supervisor**

Doctoring Course – Year 1

Brown University, Providence, RI

Audience: 1 first year medical student

Duration: ½ day/week for 10 weeks (40 hours/year)

2011 – 2017

Director,

Medical Student Elective Clerkship in Radiation Oncology

Rhode Island Hospital/Brown Medical School, Providence, RI

Description: Curriculum development and implementation, attending supervisor training and oversight, direct medical student education and supervision.

Duration: 8 hours/day; 2-4 week elective

Brown University, RIH, Providence, RI

2012 – 2016

Lecturer,

BIOL 3672 IMS-IV:

Hematology/Oncology Course for 2nd year medical students
“Radiation Biology”

Brown University, Providence, RI

Audience: 100 Medical Students

Frequency: 1 hour/year

2010 – 2024

Educator/Lecturer,

Radiation Oncology Chart Rounds

Rhode Island Hospital, Providence, RI

Description: Biweekly teaching conference reviewing natural history, Workup, and management of new cancer cases. Review of radiation treatment plans.

Frequency: 45 minutes, twice weekly (75 hours/year)

Audience: 15-20 Attendings, Residents, and Medical Students

2010 – 2024

Coordinator and Lecturer,

Radiation Oncology Teaching Rounds

Rhode Island Hospital, Providence, RI

Description: Biweekly teaching conference for Radiation Oncology Department

Frequency: 30 minutes, Once weekly (25 hours/year)

Audience: 15-20 Attendings, Residents, and Medical Students

2012 – Present

Coordinator and Supervisor,

2010 – 2024	<p>Supervisor and Mentor Radiation Oncology Residency Program Rhode Island Hospital, Providence, RI Description: Direct supervision and education of radiation oncology residents. Duration: 60 hours/week for 3-month rotation. 3-4 residents/year (2,500-3,000 hours/year)</p>
2010 – Present	<p>Supervisor and Mentor Medical Student Elective Clerkship in Radiation Oncology Rhode Island Hospital/Brown Medical School, Providence, RI Description: Direct supervision and education of medical students. Duration: 40 hours/week for 1 week per elective. 5-10 medical students/year (200-400 hours/year)</p>
2010 – 2024	<p>Examiner Mock Oral Examination Rhode Island Hospital, Providence, RI Description: Oral examination of radiation oncology residents for preparation for board examinations. Audience: 10-14 residents Duration: 4 hours/year</p>
May 2012 March 2015 March 2016	<p>Moderator/Lecturer, Morning Report for Hem/Onc Fellows Lung Cancer Duration: 1 hour/year Audience: 8-10 Hem Onc Fellows Brown University, RIH, Providence, RI</p>
2013 – 2015	<p>Lecturer, PHY552: Radiation Biology for Medical Physics Graduate Students University of Rhode Island, Providence, RI Frequency: 2 hour/year Audience: 5 Graduate Students</p>
Feb. 7-8, 2014	<p>Lecturer and Panelist, American Brachytherapy Society Quality Management Brachytherapy School 2014 Orlando, FL Audience: 100</p>
April 3-5, 2014	<p>Lecturer, Discussant, Moderator American Brachytherapy Society (ABS) Annual Meeting 2014 San Diego, CA</p>

LCI, East Greenwich, RI

2023 Gamma Knife Source Reload
LCI, Rhode Island Hospital, Providence, RI

2024 New Gamma Knife/Stereotactic Headframe Immobilization
BUHCI, Rhode Island Hospital, Providence, RI

Teaching Responsibilities

2008 – 2009 Coordinator and lecturer,
Radiation Oncology weekly Journal Club
Tufts Medical Center, Boston, MA
Frequency: 1-2 hours weekly (20-100 hours/year)
Audience: 7-10 Residents and Medical Students

2008 – 2009 Coordinator and lecturer,
Radiation oncology resident clinical teaching
Tufts Medical Center, Boston, MA
Tufts Medical Center, Boston, MA
Frequency: 4 hours weekly (200 hours/year)
Audience: 7-10 Residents and Medical Students

2008 – 2009 Coordinator,
Radiation Oncology Grand Rounds
Tufts Medical Center, Boston, MA
Frequency: 1 hour weekly (50 hours/year)
Audience: 10-15 Attendings, Residents, and Medical Students

May 18-21, 2012 Lecturer,
Gamma Knife Training Course
San Juan, Puerto Rico
Duration: 3 Days; 8 hours per day
Audience: 15 Attending Neurosurgeons and 7 Neurosurgery Residents

2010 – 2011 Supervisor and Mentor,
2013 – 2014 Medical Student Longitudinal Clerkship
2016 – 2017 Brown University, RIH, Providence, RI
Frequency: ½ day/week for 6 months (100 hours/clerkship)
Audience: 1 medical student per clerkship

2010 – 2015 **Associate Director**
Radiation Oncology Residency Program
Tufts Medical Center and Affiliated Hospitals
Description: Assist program director with overall training program and oversight of the residency program at Rhode Island Hospital.
Curriculum development and implementation, attending supervisor training and oversight, direct resident training and education at RIH site.

Department of Radiation Oncology
Warren Alpert Medical School of Brown University

2023 – 2024 Member
Rad Onc Faculty Search Committee
Department of Radiation Oncology
Warren Alpert Medical School of Brown University

2024 – Present Member
Rad Onc Faculty Search Committee
Department of Radiation Oncology
Warren Alpert Medical School of Brown University

Special Programmatic Development

2010 Stereotactic Radiosurgery
Great Baltimore Medical Center, Baltimore, MD

2011 Non-invasive Image-guided Breast Brachytherapy (NIBB) for APBI
Rhode Island Hospital, Providence, RI

2014 Gamma Knife Perfexion Stereotactic Radiosurgery
Rhode Island Hospital, Providence, RI

2014 BrainLab Stereotactic Radiotherapy and Radiosurgery
Rhode Island Hospital, Providence, RI

2015 Align RT treatment positioning and motion management
Rhode Island Hospital, Providence, RI

2016 Deep Inspiratory Breath Hold (DIBH) technique for breast cancer
Rhode Island Hospital, Providence, RI

2019 Accuboot Digital
Rhode Island Hospital, Providence, RI

2019 Single Isocentric VMAT SRS technique for multiple brain metastases
Rhode Island Hospital, Providence, RI

2020 East Greenwich Satellite Facility
Lifespan Cancer Institute, East Greenwich, RI

2021 Aria EMR and Radiation Record and Verify System
Rhode Island Hospital, Providence, RI

2023 Respiratory Gated Delivery of Lung SBRT
LCI, Rhode Island Hospital, Providence, RI

Tufts Medical Center and Rhode Island Hospital
Tufts University

- 2010 – Present
Member
Brown University Oncology Research Group (BrUOG)
Warren Alpert Medical School of Brown University
- 2010 – Present
Member
Data Safety Monitoring Committee
Brown University Oncology Research Group (BrUOG)
Warren Alpert Medical School of Brown University
- 2016 – Present
Member
Medical Physics Residency Education Committee
Medical Physics Residency Program
University of Rhode Island
- 2017 – Present
Associate Chair
Breast Section
Brown University Oncology Research Group (BrUOG)
Warren Alpert Medical School of Brown University
- 2017 – Present
Chair
Promotions Committee
Department of Radiation Oncology
Warren Alpert Medical School of Brown University
- 2018 – 2019
Member
Physics Faculty Search Committee
Department of Radiation Oncology
Warren Alpert Medical School of Brown University
- 2019 – 2020
Member
Rad Onc Faculty Search Committee
Department of Radiation Oncology
Warren Alpert Medical School of Brown University
- 2020 – Present
Member
Diversity Committee
Department of Radiation Oncology
Warren Alpert Medical School of Brown University
- 2020 – 2021
Member
Rad Onc Faculty Search Committee
Department of Radiation Oncology
Warren Alpert Medical School of Brown University
- 2021 – 2022
Member
Physics Faculty Search Committee

2012 – 2016	Member Patient Satisfaction Improvement Committee Department of Radiation Oncology Rhode Island Hospital
2014 – Present	Member Breast Cancer Steering Committee Brown University Health Cancer Center Rhode Island Hosp., Miriam Hosp., and Newport Hosp.
2015 – Present	Member Quality Improvement Committee Department of Radiation Oncology Rhode Island Hospital
2017 – 2020	Member DFCI-LCI Breast Work Group Lifespan Cancer Institute
2017 – 2020	Member DFCI-LCI CNS Work Group Lifespan Cancer Institute
2018 – Present	Member Cancer Clinical and Research Council (CCRC) Brown University Health Cancer Institute
2019 – Present	Chair Gamma Knife Management Committee Rhode Island Hospital
2024 – Present	Member – Radiation Oncology Breast Program Leadership Committee Women and Infants Hospital

University Committees

2010 - 2024	Member Clinical Competency Committee Residency Program Department of Radiation Oncology Tufts Medical Center and Rhode Island Hospital Tufts University
2010 - 2024	Member Program Review Committee Residency Program Department of Radiation Oncology

	American Brachytherapy Society (ABS)
2023 – present	Board of Directors Dr. Luther Brady Foundation
2023 - 2024	Member – Abstract reviewer Track - Breast Scientific Planning Committee Annual Meeting 2024 American Society of Radiation Oncology (ASTRO)
2024 – Present	Member Nominating Committee American College of Radiation Oncology (ACRO)
2024 - 2025	Abstract reviewer Annual Meeting 2025 American College of Radiation Oncology (ACRO)
2024 – Present	Member Annual Meeting Education Committee Reviewers American Society of Radiation Oncology (ASTRO)
2024 - 2025	Member – Abstract reviewer Track - Breast Scientific Planning Committee Annual Meeting 2025 American Society of Radiation Oncology (ASTRO)
2025 – Present	Member RO Qualifying Breast Committee American Board of Radiology (ABR)

Hospital Committees

2010 – 2014	Member Website Design Committee Department of Radiation Oncology Rhode Island Hospital
2010 – 2014	Member Marketing Committee Radiosurgery Center of Rhode Island (RCRI)
2011 – 2014	Chair Quality Council Radiosurgery Center of Rhode Island (RCRI)

2019 – 2020	Disease Site Co-Leader (Breast Cancer) American College of Radiation Oncology (ACRO) Practice Accreditation Program
2019 – Present	Chair Standards Committee American College of Radiation Oncology (ACRO)
2019 – Present	Board of Chancellors American College of Radiation Oncology (ACRO) Elected to 1 st term 2019-2023 Elected to 2 nd term 2023-2027
2020 - 2021	Member Nominating Committee American College of Radiation Oncology (ACRO)
2020 - 2021	Member – Abstract reviewer Track - Lung Scientific Planning Committee Annual Meeting 2021 American Society of Radiation Oncology (ASTRO)
2020 - 2021	Member – Abstract reviewer Track - Breast Scientific Planning Committee Annual Meeting 2021 American Society of Radiation Oncology (ASTRO)
2021 - 2022	Member – Abstract reviewer Track - Breast Scientific Planning Committee Annual Meeting 2022 American Society of Radiation Oncology (ASTRO)
2022 - 2023	Abstract reviewer Track - Breast Annual Meeting 2023 American Brachytherapy Society (ABS)
2022 - 2023	Member – Abstract reviewer Track - Breast Scientific Planning Committee Annual Meeting 2023 American Society of Radiation Oncology (ASTRO)
2022 - 2023	Chair - Breast Cancer Section Scientific Planning Committee Annual Meeting 2023

2017 Abstract Reviewer – Breast Section
Scientific Planning Committee
Annual Meeting 2017
American Brachytherapy Society (ABS)

2017 Abstract Reviewer – Miscellaneous Section
Scientific Planning Committee
Annual Meeting 2017
American Brachytherapy Society (ABS)

2016 - 2017 Member – Abstract reviewer
Track - Lung
Scientific Planning Committee
Annual Meeting 2017
American Society of Radiation Oncology (ASTRO)

2018 Abstract Reviewer – Breast Section
Scientific Planning Committee
Annual Meeting 2018
American Brachytherapy Society (ABS)

2017 - 2018 Member – Abstract reviewer
Track - Lung
Scientific Planning Committee
Annual Meeting 2018
American Society of Radiation Oncology (ASTRO)

2018 – 2020 **Co-Chair**
Membership Committee
American Brachytherapy Society (ABS)

2019 Abstract Reviewer – Breast Section
Scientific Planning Committee
Annual Meeting 2019
American Brachytherapy Society (ABS)

2018 - 2019 Member – Abstract reviewer
Track - Lung
Scientific Planning Committee
Annual Meeting 2019
American Society of Radiation Oncology (ASTRO)

2019 - 2020 Member – Abstract reviewer
Track - Lung
Scientific Planning Committee
Annual Meeting 2020
American Society of Radiation Oncology (ASTRO)

National Committees

2010 – 2015	Member Association for Directors of Radiation Oncology Programs (ADROP)
2011 – 2012	Co-Leader Clinical Practice Guidelines: Breast Cancer American College of Radiation Oncology (ACRO)
2010 – 2015	Disease Site Co-Leader (Breast Cancer) American College of Radiation Oncology (ACRO) Practice Accreditation Program
2010 – 2019	Member Standards Committee American College of Radiation Oncology (ACRO)
2013 – 2020	Member Socioeconomic Committee American Brachytherapy Society (ABS)
2013 – 2014	Chair - Breast Cancer Section Scientific Planning Committee Annual Meeting 2014 American Brachytherapy Society (ABS)
2014 – 2015	Chair Scientific Planning Committee Annual Meeting 2015 American Brachytherapy Society (ABS)
2015 – 2016	Member Code Development and Valuation Subcommittee American Society of Radiation Oncology (ASTRO)
2015 – 2017	Chair Membership Committee American Brachytherapy Society (ABS)
2015 – 2016	Co-Chair – Miscellaneous Section Scientific Planning Committee Brachytherapy World Congress 2016
2015 – 2019	Disease Site Leader (Breast Cancer) American College of Radiation Oncology (ACRO) Practice Accreditation Program
2015 – Present	Medical Director American College of Radiation Oncology (ACRO) Practice Accreditation Program

Baldwin Park, CA

2004 Internal Medicine per Diem
VA Hospital
Long Beach, CA

2009 – 2010 Radiation Oncologist
St. Agnes Hospital
Baltimore, MD

2009 – 2010 Radiation Oncologist
Greater Baltimore Medical Center
Baltimore, MD

2010 – 2024 Radiation Oncologist
Tufts Medical Center
Boston, MA

2010 – Present Radiation Oncologist
Miriam Hospital
Providence, RI

2010 – Present Radiation Oncologist
Women and Infants' Hospital
Providence, RI

2010 – Present Radiation Oncologist
Rhode Island Hospital
Providence, RI

2017 – Present Radiation Oncologist
Newport Hospital
Newport, RI

2010 – Present **Clinical Director of Stereotactic Radiosurgery/Radiotherapy**
Brown University Health Cancer Institute
Providence, RI

2022 – Present **Associate Clinical Director**
Department of Radiation Oncology
Brown University Health Cancer Institute
Providence, RI

2024 – Present Radiation Oncologist
Brown University Health Physician Group
Providence, RI

2015 – 2024	<p>Director of Academic Affairs for the Departments of Radiation Oncology Rhode Island Hospital Warren Alpert Medical School of Brown University Providence, RI and Tufts Medical Center Tufts University School of Medicine Boston, MA</p>
2017 – 2024	<p>Associate Professor Department of Radiation Oncology Warren Alpert Medical School of Brown University Providence, RI</p>
2017 – 2024	<p>Associate Professor Department of Neurosurgery Warren Alpert Medical School of Brown University Providence, RI</p>
2017 – 2024	<p>Adjunct Associate Professor Department of Radiation Oncology Tufts University School of Medicine Boston, MA</p>
2024 – present	<p>Professor Department of Radiation Oncology Warren Alpert Medical School of Brown University Providence, RI</p>
2024 – present	<p>Professor Department of Neurosurgery Warren Alpert Medical School of Brown University Providence, RI</p>
2024 – present	<p>Director of Academic Affairs for the Department of Radiation Oncology Brown University Health Cancer Institute Rhode Island Hospital and East Greenwich Satellite Warren Alpert Medical School of Brown University Providence, RI</p>

Hospital/Clinical Appointments

2004	<p>Internal Medicine per Diem Kaiser Permanente</p>
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Academic Appointments

2004	Volunteer Faculty Department of Internal Medicine University of California at Irvine Orange, CA
2005 – 2009	Teaching Fellow Department of Radiation Oncology Tufts University School of Medicine Boston, MA
2005 – 2009	Teaching Fellow Department of Radiation Oncology Warren Alpert Medical School of Brown University Providence, RI
2010 – 2017	Assistant Professor Department of Radiation Oncology Warren Alpert Medical School of Brown University Providence, RI
2016 – 2017	Assistant Professor Department of Neurosurgery Warren Alpert Medical School of Brown University Providence, RI
2010 – 2017	Adjunct Assistant Professor Department of Radiation Oncology Tufts University School of Medicine Boston, MA
2010 – 2015	Associate Director Radiation Oncology Residency Program Tufts Medical Center and Affiliated Hospitals Tufts University School of Medicine Boston, MA and Providence, RI
2011 – 2017	Director Medical Student Clerkship Department of Radiation Oncology Warren Alpert Medical School of Brown University Providence, RI
2012 – Present	Coordinator Resident/Fellow Elective in Radiation Oncology Department of Radiation Oncology Rhode Island Hospital and Warren Alpert Medical School of Brown University Providence, RI

Boston, Massachusetts

Honors and Awards

1994-1997	Dean's List, Cornell University
1997	Phi Beta Kappa Honor Society
1997	Phi Kappa Phi Honor Society
1997	Golden Key National Honor Society
July 2001 – July 2004	Residency Class Representative – Internal Medicine, UCI
July 2008 – June 2009	Chief Resident – Radiation Oncology, Tufts Medical Center
2014	Dean's Excellence in Teaching Award , Warren Alpert Medical School of Brown University
2015	Fellowship in the American College of Radiation Oncology (FACRO)
2015	Dean's Excellence in Teaching Award , Warren Alpert Medical School of Brown University
2015	Educator of the Year , Association of Residents in Radiation Oncology (ARRO)
2015	Top Doctor 2015, <i>Castle Connolly</i>
2016	Top Doctor 2016, <i>Castle Connolly</i>
2017	Top Doctor 2017, <i>Castle Connolly</i>
2018	Top Doctor 2018, <i>Castle Connolly</i>
2019	Top Doctor 2019, <i>Castle Connolly</i>
2019	Top Doctors 2019 , <i>Rhode Island Monthly</i>
2020	Top Doctor 2020, <i>Castle Connolly</i>
2020	Top Doctors 2020 , <i>Rhode Island Monthly</i>
2021	Top Doctor 2021, <i>Castle Connolly</i>
2021	Top Doctors 2021 , <i>Rhode Island Monthly</i>
2022	Top Doctor 2022, <i>Castle Connolly</i>
2022	Top Doctors 2022 , <i>Rhode Island Monthly</i>
2023	Top Doctor 2023, <i>Castle Connolly</i>
2023	Top Doctors 2023 , <i>Rhode Island Monthly</i>
2024	Top Doctor 2024, <i>Castle Connolly</i>
2024	Top Doctors 2024 , <i>Rhode Island Monthly</i>
2025	Top Doctor 2025, <i>Castle Connolly</i>
2025	Top Doctors 2025 , <i>Rhode Island Monthly</i>

Licensure and Certification

Board Certification:

Oct. 2004 – Oct. 2014	American Board of Internal Medicine
May 2010 – Present	American Board of Radiology - Radiation Oncology

Medical Licenses:

2002 – 2005	California (not renewed upon relocation)
2009 – 2010	Maryland (not renewed upon relocation)
2005 – Present	Massachusetts
2009 – Present	Rhode Island

Jaroslav Tadeusz Hepel, M.D., F.A.C.R.O

Professor
Department of Radiation Oncology
and
Department of Neurosurgery
Warren Alpert Medical School of Brown University

Brown University Health Cancer Institute
Rhode Island Hospital
593 Eddy St.
Providence, RI 02903
Tel (401) 444-8311
Fax (401) 444-2149
jhepel@brownhealth.org



6/25/25

Education

Undergraduate:

Aug. 1993 – June 1997 Cornell University
Ithaca, NY
Bachelor of Arts in Biology
Bachelor of Arts in Psychology
Graduated with distinction in all subjects

Medical School:

Aug. 1997 – May 2001 University of Rochester
School of Medicine and Dentistry
Rochester, New York
Doctor of Medicine

Postgraduate Training:

July 2001 – July 2002 Intern – Internal Medicine
UCI Medical Center
University of California at Irvine
Orange, California

July 2002 – July 2004 Resident – Internal Medicine
UCI Medical Center
University of California at Irvine
Orange, California

July 2005 – June 2008 Resident – Radiation Oncology
Tufts Medical Center (Formerly NEMC)
Tufts University
Boston, Massachusetts

July 2008 – June 2009 Chief Resident – Radiation Oncology
Tufts Medical Center (Formerly NEMC)
Tufts University