67th Annual Meeting ASTRO/SROA 2025 Dartmouth Rad Onc & Applied Sciences, Presentations, v3.1

https://amportal.astro.org/search?searchtext=dartmouth

ORAL PRESENTATIONS (*Plenary)

Clark M, Matous A, Vasyltsiv R, Jarvis L, Gladstone D, Bruza P: Bridging the Gap Between the Treatment Plan and *In Vivo* Dosimetry through Clinical Scintillation Imaging.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 70004
Scientific Session Number: SS 34
Scientific Session Title: Radiation & Cancer Physics 5: In-vivo Dosimetry & Treatment Verification
Session Date/Time: Sept. 30, Tuesday, 8:30 am - 8:40 am (PST)
Location: Room 307/308
https://amportal.astro.org/sessions/ss-34-21622/bridging-the-gap-between-the-treatment-plan-and-in-vivo-dosimetry-through-clinical-scintillat-106914

*Ellis RJ, Pugh SL**, Yu JB,** Feng FY, Konski AA, Grubb RL, Wallace RE, **Gladstone D,** Menard C, Frazier AJ, Pennington JD, Michalski JM, Spratt DE, Martinez A, Morgan SC, Mihai A, Paulus R, Sandler HM: Primary Results from NRG-GU005L A Phase III Trial of SBRT vs. Hypofractionated IMRT for Localized Intermediate Risk Prostate Cancer.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. TBD
Scientific Session Number: PL 01
Scientific Session Title: Plenary
Session Date/Time: Sept. 29, Monday, 1:30 pm – 1:40 pm
Location: San Francisco Ballroom
https://amportal.astro.org/sessions/pl-01-21644/primary-results-from-nrg-gu005-a-phase-iii-trial-of-sbrt-vs-hypofractionated-imrt-for-localiz-109075

Geiersbach A, Matous A, Jermyn M, Gladstone D, Jarvis L, Bruza P: 3D Surface Cherenkov Mapping for Quantitative Beam Deviation Assessment and Cumulative Cherenkov Image Fusion in Non-Coplanar RT.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 70161
Scientific Session Number: SS 34
Scientific Session Title: Radiation & Cancer Physics 5: In-vivo Dosimetry & Treatment Verification
Session Date/Time: Sept. 30, Tuesday, 8:40 am - 8:50 am (PST)
Location: Room 307/308
https://amportal.astro.org/sessions/ss-34-21622/3d-surface-cherenkov-mapping-for-quantitative-beam-deviation-assessment-and-cumulative-cheren-106915

Ioakeim-Ioannidou M, Yeap BY, Soetan ZO, Kim DW, Adams J, Kooy H, Nielsen P, Hung YP, Curry WT, Cote G, Choy E, Cunnane ME, Kelly H, Chang Y-S, Giap F, Chen Y-L, **DeLaney TF**, Hug E, Shih

H: Long-term failure patterns and prognostic factors in a randomized dose-escalation trial for skull base chordomas: a Secondary Analysis from PROG 85-26.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 70161
Scientific Session Number: SS 12
Scientific Session Title: Sarcoma 1: From Margins to Mainstream: Advances in our Understanding of Rare Bone, Cutaneous, and Connective Tissue Tumors
Session Date/Time: 5:15 – 5:25 pm (PST)
Location: Room 153
https://amportal.astro.org/sessions/ss-12-21612/long-term-failure-patterns-and-prognostic-factors-in-a-randomized-dose-escalation-trial-for-s-106832

Matous AL, Engel J, MacKenzie T, McVorran SM: Incidence and Impact of Incidental Findings in Breast Radiotherapy CT Simulation.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 70181
Scientific Session Number: QP 14
Scientific Session Title: Breast Cancer 5: Quick Pitch: Challenging Boundaries in Breast Radiotherapy: Axillary Strategies, Reirradiation, and Simulation Insights
Session Date/Time: Sept. 30, Tuesday, 5:35 pm - 5:40 pm (PST)
Location: Room 155/157
https://amportal.astro.org/sessions/qp-14-21564/incidence-and-impact-of-incidental-findings-in-breast-radiotherapy-ct-simulation-106437

Posadas EM, Gay H, Pugh SL, Morgan T, Xiao Y, **Yu JB**, Michalski JM, Bouchard M, Desai NB, Funk R, Boike TP, Jurgens DJ, Wong A, Shen X, Miyawaki LT, Bland CS, Hairston JC, Sandler HM, Johnson TW, Fend FX, Nguyen PL: A Randomized Phase 2 Study of Enhanced AR Blockade with Enzalutamide in High-risk Patients with Biochemical Relapse Undergoing Salvage Radiation: Final Results from RTOG 3506 (STEEL).
American Society for Radiation Oncology, 67th Annual Meeting, 2025
Scientific Session Number: LBA 01
Scientific Session Title: Late Breaking Abstracts
Session Date/Time: Sept. 30, Tuesday, 2:30 pm – 3:45 pm (PST)
Location: Room

Vasyltsiv R, Harms J, Clark M, Zhang Y, Xiao Z, Zhang R, Pogue BW, Gladstone DJ, Mascia AE, Bruza P: Recovering Dose Dynamics and Dose Rate Volume Histograms in UHDR PBS Proton Therapy Using Scintillation Array Dosimetry.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 69946
Scientific Session Number: SS 34
Scientific Session Title: Radiation & Cancer Physics 5: In-vivo Dosimetry & Treatment Verification
Session Date/Time: Sept. 30, Tuesday, 8:20 am - 8:30 am (PST)
Location: Room 307/308
https://amportal.astro.org/sessions/ss-34-21622/recovering-dose-dynamics-and-dose-rate-volume-histograms-in-uhdr-pbs-proton-therapy-using-sci-106913

Vasyltsiv R, Matous A, Wang S, Gladstone D, Jarvis L, Bruza P: Towards Endogenous Tissue Dosimetry and Radiotherapy Response Monitoring: Quantifying Blood and Oxygenation Levels in Tissue via Multispectral Cherenkov Imaging.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 71750
Scientific Session Number: SS 46
Scientific Session Title: Radiation & Cancer Physics 10: Functional & Quantitative Imaging Method Development
Session Date/Time: Oct. 1, Wednesday, 11:30 am - 11:40 am (PST)
Location: Room 152
https://amportal.astro.org/sessions/ss-46-21628/toward-endogenous-tissue-dosimetry-and-radiotherapy-response-monitoring-quantifying-blood-and-106968

Wang L, Geng H, Sartor AO, Chen Z, Ruo R, **Yu J**, Morgan S, Hoffman K, Nguyen P, Xiao Y**:** Feasibility Study of AI-assisted Radiation Therapy Contour QA for Prostate Cancer Multi-center Clinical Trials.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 356
Scientific Session Number: SS 44
Scientific Session Title: Radiation and Cancer Physics 8: Workflow and On-board Imaging
Session Date/Time: Oct. 1, Wednesday, 8:50 am - 9:00 am (PST)
Location: Room 152
https://amportal.astro.org/sessions/ss-44-21623/feasibility-study-of-ai-assisted-radiation-therapy-contour-qa-for-prostate-cancer-multi-cente-106924

Willyard J:
Operationalizing the Integration Roadmap: A Case Study in Dosimetry Harmonization.
Society of Radiation Oncology Administrators, Annual Meeting, 2025, abstract no. 69005
Session Date/Time: Sept. 29, Monday, 3:30 pm - 4:30 pm (PST)
Location: TBD

Yu JB, Pugh SL, Ellis RJ, Feng FY, Frazier AJ, Pennington JD, Michalski JM, Spratt DE, Ghilezan M, Morgan SC, Mihai A, Solanki AA, Amjad A, Straza M, Menard C, Schroeder T, Marshall DT, Paulus R, Sandler HM**:** Quality of Life Results from NRG-GU005L A Phase III Trial of SBRT vs. Hypofractionated IMRT for Localized Intermediate Risk Prostate Cancer.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 69005
Scientific Session Number: SS 16
Scientific Session Title: GU 4: Quality of Life Outcomes after Prostate Radiotherapy
Session Date/Time: Sept. 29, Monday, 10:45 am - 10:55 pm (PST)
Location: Room 156/158
https://amportal.astro.org/sessions/ss-16-21581/quality-of-life-results-from-nrg-gu005-a-phase-iii-trial-of-sbrt-vs-hypofractionated-imrt-for-106572

Yu JB, Folkert MR, Bhattacharyya S, Ezekekwu E, Hamstra DA**:** Association Between Rectal Spacer Use and Long-Term Healthcare Costs: Payer Perspective.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 1012

Scientific Session Number: QP 03
Scientific Session Title: HSR 1: Quick Pitch: From Data to Delivery: Health services Insights in Radiation Oncology
Session Date/Time: Sept. 29, Monday, 3:05 pm - 3:10 pm (PST)
Location: Room 159
https://amportal.astro.org/sessions/qp-03-21596/association-between-rectal-spacer-use-and-long-term-health-care-costs-payer-perspective-106698

POSTER PRESENTATIONS

Ahmed SR, Lu C, Kalpathy-Cramer J: Distance Metrics Predict Out-of-Distribution Performance of AI Oncology Models for Clinical Deployment.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 3581
Poster Viewing Q&A Session Date/Time: Sept. 30, Tuesday, 4:00 pm - 5:00 pm (PST)
https://amportal.astro.org/sessions/pqa-09-21643/distance-metrics-predict-out-of-distribution-performance-of-ai-oncology-models-for-clinical-d-108616

Choudhry H, **Yu JB**. A Bibliometric Analysis of the 100 Most Influential Papers in Radiation Oncology: Mapping A Decade of Scientific Progress.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 2575
Poster Viewing Q&A Session Date/Time: Sept. 29, Monday, 8:00 am - 9:00 am (PST)
https://amportal.astro.org/sessions/pqa-03-21637/a-bibliometric-analysis-of-the-100-most-influential-papers-in-radiation-oncology-mapping-a-de-107590

Hercule WS, Barbosa ML, Goodman CR, Gillespie EF, Hirsch AE, Holliday EB, Kimple RJ, Rooney MK, **Thomas CR Jr**., Golden DW: A Five-Year Update of a Scoping Review of Mentorship Initiatives in Radiation Oncology.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 2601
Poster Viewing Q&A Session Date/Time: 8:00 – 9:00 am (PST)
https://amportal.astro.org/sessions/pqa-03-21637/a-five-year-update-of-a-scoping-review-of-mentorship-initiatives-in-radiation-oncology-107603

Hunter D, Tavakkoli A, Allen B, Gladstone D, Buckey J, Hoopes P J: A Pre-Clinical Study of Hyperbaric Oxygen Therapy to Enhance Radiosensitization of Glioblastoma.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 68748
Poster Viewing Q&A Session Date/Time: 5:00 – 6:00 pm (PST)
https://amportal.astro.org/sessions/pqa-06-21640/a-pre-clinical-study-of-hyperbaric-oxygen-therapy-to-enhance-radiosensitization-of-glioblasto-108154

Kolawole A, Peasah-Darkwah G, Huang T, Gochicoa JR, Pointer KB: Inhibition of Cholinergic Signaling Enhances Radiation Treatment Efficacy in Glioblastoma.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 70002
Poster Viewing Q&A Session Date/Time: Sept. 29, Monday, 5:00 pm - 6:00 pm (PST)

https://amportal.astro.org/sessions/pqa-06-21640/inhibition-of-cholinergic-signaling-enhances-radiation-treatment-efficacy-in-glioblastoma-108034

Lichter K, Silva G, Phuong C, Liu SJ, Ni L, Smith A, Shin HJ, Hsu I-C**:** Harnessing AI for Sustainable Radiation Oncology: Transforming Brachytherapy Waste Management.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 67563
Poster Viewing Q&A Session Date/Time: Sept. 30, Tuesday, 4:00 pm - 5:00 pm (PST)
https://amportal.astro.org/sessions/pqa-09-21643/harnessing-ai-for-sustainable-radiation-oncology-transforming-brachytherapy-waste-management-108660

Lichter K, et al**:** Quantifying Energy Consumption in Radiatino Oncology Using Multimodality Asessment for Sustainability and Efficiency.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no.
Poster Viewing Q&A Session Date/Time: Sept. 30, Tuesday, 4:00 pm - 5:00 pm (PST)
https://amportal.astro.org/sessions/pqa-09-21643/quantifying-energy-consumption-in-radiation-oncology-using-multi-modality-assessment-for-sust-108665

Madondo F, Myagmarsuren D**, Chen E, Weygand J**: A Geographic Comparison of the Medical Physics Job Market and Accredited Residency Program Distribution.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 69359
Poster Viewing Q&A Session Date/Time: Sept. 29, Monday, 5:00 pm - 6:00 pm (PST)
https://amportal.astro.org/sessions/pqa-06-21640/a-geographic-comparison-of-the-medical-physics-job-market-and-accredited-residency-program-di-108026

Matous AL, Clark M, Vasyltsiv R, McVorran SM, Fariss A, Bruza P, Gladstone DJ, Jarvis L: A Prospective Trial to Measure Contralateral Breast Dose during Breast Radiotherapy Using Cherenkov Imaging and Scintillation Dosimetry.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 68922
Poster Viewing Q&A Session Date/Time: Sept. 29, Monday, 3:00 pm - 4:00 pm (PST)
https://amportal.astro.org/sessions/pqa-05-21639/a-prospective-trial-to-measure-contralateral-breast-dose-during-breast-radiotherapy-using-che-108000

McNamara CJ, Kapadia NS, Carlos H, Maroongroge S, Ballas LK**, Loehrer AP**: Neighborhood Trajectory as a Predictor for Proximity to Radiation Therapy.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 71345
Poster Viewing Q&A Session Date/Time: Sept. 29, Monday, 5:00 pm - 6:00 pm (PST)
https://amportal.astro.org/sessions/pqa-06-21640/neighborhood-trajectory-as-a-predictor-for-proximity-to-radiation-therapy-108104

Remington L, Loehrer A, Shippey E, Buckey, Moses R: Patient Demographic Factors Associated with Radiation Cystitis Development Following Radiation for Prostate Cancer.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 71409
Poster Viewing Q&A Session Date/Time: Sept. 30, Tuesday, 12:45 pm - 2:00 pm (PST)
https://amportal.astro.org/sessions/pqa-07-21642/patient-demographic-factors-associated-with-radiation-cystitis-development-following-radiatio-108469

Scordari BT, O'Malley AJ, Kapadia NS, Brooks G, Korsberg A, Moen EL: A Novel Simulation Framework for Evaluating and Optimizing Oncology Outreach Policies.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 70843
Poster Viewing Q&A Session Date/Time: Sept. 30, Tuesday, 4:00 pm - 5:00 pm (PST)
https://amportal.astro.org/sessions/pqa-09-21643/a-novel-simulation-framework-for-evaluating-and-optimizing-oncology-outreach-policies-108740

Tau S, Gangiredla LD, Vyas RS, Cieslak Z, Bergman DT, Shah PS: Determining Cancer Biomarker Status by RNA Sequencing.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 71717
Poster Viewing Q&A Session Date/Time: Sept. 30, Tuesday, 4:00 pm - 5:00 pm (PST)
https://amportal.astro.org/sessions/pqa-09-21643/determining-cancer-biomarker-status-by-rna-sequencing-108595

Tau S, Eschrich SA, Scott JG, Torres-Roca JF**, Bergman DT**: RNA-Sequencing-Derived Radiosensitivity Index for Genomic-Adjusted Radiotherapy.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 68497
Poster Viewing Q&A Session Date/Time: Sept. 29, Monday, 5:00 pm - 6:00 pm (PST)
https://amportal.astro.org/sessions/pqa-06-21640/rna-sequencing-derived-radiosensitivity-index-for-genomic-adjusted-radiotherapy-108143

Vasyltsiv R, Matous A, Clark M, Mulenga N, Gladstone D, Jarvis L, Bruza P: Conformal Scintillator Array Imaging Allows for Dynamic 2D *In Vivo* Dosimetry of Wide-Area and High-Gradient Fields.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 71689
Poster Viewing Q&A Session Date/Time: Sept. 28, Sunday, 2:30 pm - 4:00 pm (PST)
https://amportal.astro.org/search?searchText=roman+vasyltsiv

Willy K, Clark M, Bruza P, McVorran SM, Gladstone DJ: *In-vivo* Time-Resolved Optical Dosimetry with Line Measurement and Source Tracking for Prostate High-Dose-Rate Brachytherapy.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 3366
Poster Viewing Q&A Session Date/Time: Sept. 30, Tuesday, 12:45 pm - 2:00 pm (PST)
https://amportal.astro.org/sessions/pqa-07-21642/in-vivo-time-resolved-optical-dosimetry-with-line-measurement-and-source-tracking-for-prostat-108477

Zerfu M, **Fatty-Hydara O,** Ferro L, Zeng J, Bowen S, Rengan R, Kang J**:** Comparison of Scanning Beam Proton Therapy vs. Photon IMRT in Patients with Locally Advanced Non-Small Cell Lung Cancer.
American Society for Radiation Oncology, 67th Annual Meeting, 2025, abstract no. 2536
Poster Viewing Q&A Session Date/Time: Sept. 28, Sunday, 4:45 pm - 6:00 pm (PST)
https://amportal.astro.org/sessions/pqa-02-21636/comparison-of-scanning-beam-proton-therapy-vs-photon-imrt-in-patients-with-locally-advanced-n-107421

FACULTY MODERATORS / SESSIONS

Kapadia N
Role: Moderator
Session No: QP 03
Session Title: HSR 1: Quick Pitch: From Data to Delivery: Health services Insights in Radiation Oncology
Session Date/Time: Monday, Sept. 29, 2025, 3:00 pm – 4:00 pm
Location: Room 159moses

https://amportal.astro.org/sessions/qp-03-21596/hsr-1-quick-pitch-from-data-to-delivery-health-services-insights-in-radiation-oncology-106696

Pointer K
Role: Moderator
Session No: SS 06
Session Title: Radiation & Cancer Biology 1: Factors Mediating Radioresistance
Session Date/Time: Sunday, Sept. 28, 2025, 2:30 pm – 3:45 pm (PST)
Location: 155/157
https://amportal.astro.org/sessions/ss-06-21615/radiation-and-cancer-biology-1-factors-mediating-radioresistance-106851

Pointer K
Role: Moderator
Session No: SS 32
Session Title: CNS 2: Gliomas: Survivorship & Clinical Trials
Session Date/Time: Tuesday, Sept. 30, 2025, 8:00 am – 9:00 am (PST)
Location: Room 310/312
https://amportal.astro.org/sessions/ss-32-21565/cns-2-gliomas-survivorship-and-clinical-trials-106441

Thomas CR
Role: Faculty
Presentation Title: Raising Awareness of the Impact of Harassment and Bullying (including via Proxy) in Radiation Oncology
Session No: Luncheon 01
Session Title: Women of ASTRO luncheon – Safe @ Work: Implementing Effective Strateies to Address Harassment in the Radiation Oncology Workplace.
Session Date/Time: Monday, Sept. 29, 2025, 12:00 pm – 12:15 pm
Location: Room 24
https://amportal.astro.org/sessions/luncheon-01-21558/raising-awareness-on-the-impact-of-harassment-and-bullying-in-radiation-oncology-106391

Yu JB
Role: Faculty
Presentation Title: Radiation Therapy for the Treatment of Osteoarthritis
Session No: EDU 36

Session Title: KASTRO/KOSRO Joint Session: Radiation Therapy for Nonmalignant Diseases: Transcontinental Perspectives on Newer Indications from Korea and the United States.
Session Date/Time: Tuesday, Sept. 30, 2025, 8:17 am – 8:32 am
Location: Room 314
https://amportal.astro.org/sessions/edu-36-21691/radiation-therapy-for-the-treatment-of-osteoarthritis-108949