

**64th Annual Meeting of ASTRO 2022 Dartmouth Radiation Oncology
Presentations**

PRESENTATIONS

Beltran Ponce SE, Gokun Y, Pitter KL, Thomas CR Jr., Miller ED, Conteh L, Douglas F, Diaz Pardo DA: Impact of Social Determinants of Health (SDH) on Outcomes in Patients with Hepatocellular Carcinoma (HCC). American Society for Radiation Oncology, 64th Annual Meeting, 2022, poster presentation

Chen E, Hartford AC, Kascmar J, Levene SR, Thomas CR Jr.: Modeling Supply and Demand of the Radiation Oncologist Workforce to Predict Future Need. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Wed., Oct. 26 poster viewing Q&A session, poster # 2763.

Decker SM, Andreozzi J, Bruza P, Alexander DA, Zhang R, Gladstone DJ, Jarvis LA, Pogue BW: Improved Cherenkov Imaging Across a Wide Range of Skin Pigmentation Levels for the Inclusion of Diverse Patient Populations. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Quick Pitch Oral session

Scientific session Number: QP 12

Scientific Session Title: Phys 6 – Delivery and Dose Assessment Techniques

Session Date/Time: Tues., October 25, 12:45PM-1:45PM

Decker SM, Alexander DA, Rose ML, Gladstone DJ, Zhang R, Pogue BW, Jarvis LA: Dosimetric Effect of Variations in Bolus Placement Identified via Cherenkov Imaging. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Wed., Oct. 26 poster viewing Q&A session, poster # 3215.

Gill GS, Williams BB, Aviles ME, Glynn TL, Hunt B, Zhang R, Thomas CR Jr.: Dosimetric Effect of Respiratory Phase in MR-Guided SBRT for Locally Advanced Pancreatic Cancer. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Tues., Oct. 25 poster viewing Q&A session, poster # 2432.

Gill GS, Hunt B, Zhang R, Schaner PE, Russo GA, Thomas CR Jr., Zaki B: Automated Analysis of MR-LINAC Delivery Log Files and Delivery Videos for MR-Guided Stereotactic Body Radiation Therapy Treatments of Thoracic and Abdominal Tumors. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Tues., Oct. 25 poster viewing Q&A session, poster # 2203.

Goldberger C, Williams BB, Davis TH, Gosselin BJ, Paydarfar JA, Wasp G, Schaner PE: HPV-associated Squamous Cell Carcinoma of the Oropharynx Treated with Curative Intent Radiotherapy: Patterns of Failure Analysis using a Deformable Registration Methodology. American Society for Radiation Oncology, 64th Annual Meeting, 2022

Hunt B, Zaki B, Russo GA, Gill GS, Asher GL, Prioleau T, Gladstone DJ, Pogue BW, Zhang R: Deep Learning-based Synthetic CT Generation for MR-only Adaptive Radiation Therapy on MR Linacs. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Wed., Oct. 26 poster viewing Q&A session, poster # 3312.

Hunt B, Gill GS, Alexander DA, Streeter SS, Gladstone DJ, Russo GA, Zaki B, Pogue BW, Zhang R: Real-time Internal Motion during Radiation Therapy Using Cine MRI and Deep Learning. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Wed., Oct. 26 poster viewing Q&A session, poster # 3275.

Kaya E, Oliver AL, Thomas RJ, Beltran Ponce SE, Franco II, Vidal G, Chaurasia AR, Diaz Pardo DA, Chapman CH, Longo JM, Patel S, Mailhot Vega R, Mohindra P, Diaz R, Thomas CR Jr., Deville C Jr., Mattes MD: Assessing the Impact of Diverse Approaches of Promoting Virtual Radiation Oncology Educational Content to Medical Students. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Sun., Oct. 23 poster viewing Q&A session, poster # 2310.

Mattes MD, Gayed G, Thomas CR Jr., Deville C Jr.: Impact of a Virtual Introduction to a Radiation Oncology Lecture on Simulating Specialty Interest Among Diverse Medical Students at Multiple Institutions. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Sun., Oct. 23 poster viewing Q&A session, poster # 2311.

Mattes MD, Munoz S, Thomas CR Jr., Deville C Jr.: Pilot Study Exploring the Feasibility and Value of Introducing Diverse Students in Premedical Programs to Multidisciplinary Oncology. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Sun., Oct. 23 poster viewing Q&A session, poster # 2312.

Rahman M, Zhang R, Gladstone DJ, Williams BB, Chen E, Dexter C, Thompson L, Bruza P, Pogue BW: Evaluating Risk of FLASH Experiments on a Clinical LINAC with Failure Mode and Effects Analysis. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Wed., Oct. 26 poster viewing Q&A session, poster # 3223.

Rahman M, Erhart K, Gladstone DG, Bruza P, Thomas CR Jr., Jarvis LA, Hoopes PJ, Pogue BW, Zhang R: Intensity Modulation in Electron FLASH Radiotherapy. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Wed., Oct. 26 poster viewing Q&A session, poster # 3302.

Rahman M, Ashraf R, Zhang R, Cao X, Gladstone DJ, Jarvis LA, Hoopes PJ, Pogue BW, Bruza P: *In-vivo* Cherenkov Imaging-guided FLASH Radiotherapy. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Tues., Oct. 25, Quick Pitch Oral session abstract # 1068.
Scientific Session Number: QP 12

Scientific Session Title: Phys 6 - Delivery and Dose Assessment Techniques

Session Date/Time: Tues., October 25, 12:45PM-1:45PM

Roberts HJ et al, Long Term Results of a Multi-Institutional Phase II Study of Hypofractionated Proton Beam Irradiation of Unresectable Primary Liver Tumors. American Society for Radiation Oncology, 64th Annual Meeting, 2022, poster presentation.

Rose ML, Alexander DA, Jermyn M, Decker SM, gill GS, Gladstone DJ, Pogue BW, Thomas CR Jr., Jarvis LA: Cherenkov Imaging to Verify Radiation Treatment Delivery in Breast Cancer. American Society for Radiation Oncology, 64th Annual Meeting, 2022, Tues., Oct. 25 poster viewing Q&A session, poster # 3061.

Sha S, Usadi B, Wang Q, Tomaino M, Brooks G, Loehrer AP, Wong SL, Tosteson A, Colla CH, Kapadia NS Jr.: Association Between Rural Residence and Rectal Cancer Treatment for Medicare Beneficiaries. American Society for Radiation Oncology, 64th Annual Meeting, 2022

Sloop A, Sunnerberg J, Bruza P, Gladstone DJ, Jarvis LA, Thomas CR Jr., Pogue BW, Zhang R, Rahman M: Comparison of Two Modified Linear Accelerators for use in FLASH Clinical Trials. American Society for Radiation Oncology, 64th Annual Meeting, 2022, poster presentation

MODERATORS / SESSIONS

Pending