



UNIVERSITY of MARYLAND
SCHOOL OF MEDICINE



UNIVERSITY of MARYLAND
RADIATION ONCOLOGY

DEPARTMENT OF RADIATION ONCOLOGY

SCHEDULE OF PRESENTATIONS AND ACTIVITIES



2020 Virtual Annual Meeting

October 24–28

SATURDAY, OCTOBER 24 PRESENTATIONS

11:15 AM

Miller R

[How COVID-19 changed publishing](#)

Moderated Chat 01

11:30 AM

[Education and Professional Development 01](#)

Nichols EM, moderator

QP 03

2:15 PM

POSTER Q&A SESSION PV01

[Assessing the need for adjusted organ-at-risk planning goals for patients undergoing adjuvant radiotherapy for locally advanced breast cancer with proton radiation](#)

DeCesaris C, Pollock AE, Kowalski ES, Paulosky K, Mishra MV, Nichols EM

Poster 2158

[Clinical practice patterns for proton therapy in gynecological cancers: Report from a prospective multi-institutional registry.](#)

Mohindra P, Nichols EM, Kesselring CM, Tsai HK, Vargas CE, Dyer BA, Chang JHC, Urbanic JJ, Hartsell WF, Rosen LR

Poster 3129

[First clinical experience of quality assurance CT scan adapted intensity-modulated proton therapy for utero-cervical cancer.](#)

Mohindra P, Pollack AE, Patel AN, Roque DM, Rao G, Nichols EM

Poster 3090

[Reconstructive outcomes in women treated with adjuvant proton therapy for breast cancer with immediate reconstruction at the time of mastectomy.](#)

Nichols EM, DeCesaris C, Pollock A, Paulosky K, Mishra M

Poster 2111

[Outcomes and toxicities associated with proton beam reirradiation for breast cancer: Prospective results from the Proton Collaborative Group Registry](#)

Xingzhe L, Hasan S, Press RH, Parhar P, Tsai HK, Vargas C, **Nichols EM**, Chang J, Simone CB II, Choi JI

Poster 2069

KEYNOTE ADDRESSES ASTRO 2020

Monday, October 26, 8:45 AM

[Keynote Address I: Global Oncology](#)

Felicia Knaul, PhD

Monday, October 26, 3:00 PM

[Keynote Address II: A Conversation About Race](#)

Ibram X. Kendi, PhD

SUNDAY, OCTOBER 25 PRESENTATIONS

2:15 PM

POSTER Q&A SESSION PV02

[How many lesions can be treated with radiosurgery? Whole brain dose from radiosurgery of multiple targets](#)

Becker SJ, Jozsef G, **Molitoris JK**, Silverman JS, Presser J, Kondziolka D
Poster 2675

[Post-operative radiotherapy with intensity-modulated proton therapy for thoracic malignancies](#)

Cohen JD, Glass E, Burrows W, **Bentzen SM**, Stewart S, Carr S, Scilla K, Mehra R, Holden VK, Pickering EM, Sachdeva A, Rolfo C, Friedberg JS, **Miller RC**, **Mohindra P**
Poster 2709

[Outcomes of and treatment planning considerations for a novel technique delivering proton pencil-beam scanning radiation to women with metal-containing tissue expanders undergoing post-mastectomy radiation](#)

DeCesaris C, Rao AD, **Mossahebi S**, Zhu M, **Jatczak J**, **Mishra MV**, **Nichols EM**
Poster 2593

[Concurrent deep locoregional thermal therapy with pencil beam scanning proton therapy results in modest toxicity with the promise of increased efficacy](#)

Molitoris J, **Rodrigues D**, Snider J III, Rao AD, **Mossahebi S**, **Zakhary M**, Biswal NC, Lehman K, **Vujaskovic Z**
Poster 2841

[Accelerated partial breast irradiation \(APBI\): A comparison between a breast-specific radiosurgery device and volumetric modulated arc therapy \(VMAT\)](#)

Pollock AE, **Becker SJ**, Lamichhane N, Guerrero M, Samanta S, Zhang B, **Zakhary M**, **McAvoy SA**, **Nichols E**
Poster 2643

[Evaluating maximum MU per spot thresholds on CNS pencil beam proton therapy plan quality](#)

Rao A, **Sun K**, Zhu M, **Mossahebi S**, **Jatczak J**, **Miller R**, **Bentzen S**, **Mishra M**
Poster 2601

[A retrospective study of bowel and rectum air effect on dose coverage in prostate, colon, gynecologic and embryonal rhabdomyosarcoma tumors treated with robust intensity-modulated proton therapy](#)

Yao W, Schweitzer N, **Biswal N**, **Polf J**, Farr J, **Vujaskovic Z**
Poster 2615

[Dosimetric impact of spot delivery positional uncertainties in intensity-modulated proton therapy for the head and neck](#)

Zhang B, **Mossahebi S**, Sabouri P, **Chen S**
Poster 2786

SUNDAY, OCTOBER 25, PRESENTATIONS (CONT.)

3:30 PM

[Selection of mediastinal lymphoma patients for proton therapy in a prospective multiinstitutional registry: Concordance with the ILROG guidelines](#)

Tseng YD, **Mohindra P**, Pankuch M, McGee LA, Rossi CJ, Flampouri S, Hajj C, **Molitoris JK**, Chang JHC, Tsai HK, Stevens CW, Rosen LR, Vargas CE, Hartsell WF

Quick pitch oral presentation 1049

4:45 PM

POSTER Q&A SESSION PV03

[Median household income remains strongly associated with integrative therapy utilization during radiation treatment despite program subsidization](#)

Chiat D, **Sun K**, Guelde E, D'Adamo C, **Bentzen SM**, Kaiser A

Poster 2951

[Effects of living in food priority areas on treatment and outcomes in patients with stage III non-small cell lung cancer](#)

Hamza M, **Mohindra P**, **Bentzen S**, Schilla K, Burrows W, Mehra R, Rolfo C, **Miller R**, **Vyfhuis M**

Poster 2922

[Characterizing definitively treated cancer patients living within food priority areas \(FPAs\) to find predictors of perceived access to healthy meals](#)

Haskins CP, Kronfli D, **Lievers A**, Waldo L, **Baker K**, **Bentzen S**, **Mohindra P**, **Vyfhuis MAL**

Poster 2937

[Hyperthermia induces radiosensitization and leads to reduced brachyury levels in chordoma cells](#)

Saeed AM, Singh P, Malyapa RS, Mahmood J, **Vujaskovic Z**

Poster 3179

PLENARY SESSION ASTRO 2020

Monday, October 26, 1:15 PM

[Plenary Session 01; followed by live chat Q&A](#)

Presenters: Michalski JM, Jani A, Sahgal A

SPECIAL SESSION ON COVID-19 ASTRO 2020

Wednesday, October 28, 2:30 PM

[Special Session 06: COVID-19 and the impact on the health care team](#)

Participants: Kachnic L, Fauci A, Harris P

MONDAY, OCTOBER 26 PRESENTATIONS

9:05 AM

[Public list prices for self-pay proton radiotherapy](#)

Patel TT, Agarwal A, **Mishra MV**, Royce TJ, Palmer JD

Quick pitch oral presentation 1056

2:00 PM

POSTER Q&A SESSION PV04

[Proton beam therapy for abdominopelvic reirradiation: Outcomes from the Proton Collaborative Group REG001-09 Trial](#)

Bryant J, Hartsell W, Tsai H, **Regine W**, Laramore G, Chang J, Stevens C, Vargas C, Chuong M
Poster 2365

[Multi-institutional analysis of patients undergoing proton re-irradiation for de novo or recurrent malignancies of the esophagus](#)

DeCesaris C, Gutschenritter T, Bhangoo RS, Garda AE, **Miller RC**, Mehra R, Sio TTW, Hallemeier CL, Apisarnthanarax S, **Molitoris JK**

Poster 3350

[The effect of radiation therapy on malignant fistulae of anorectal cancers](#)

Koroulakis A, Sullivan M, **Molitoris JK**, Jiang Y, Hausner P, **Miller RC**, **Regine WF**

Poster 3366

[Pathologic response of hepatocellular carcinoma with yttrium-90 radioembolization](#)

Siddiqui O, **Guerrero M**, Bae HJ, Kudryasheva S, Gray S, Akhter N, **Becker S**, Kaiser A, **Molitoris JK**

Poster 3361

4:30 PM

POSTER Q&A SESSION PV05

[Frame based versus linac based stereotactic radiosurgery for the treatment of brain metastases: Clinical outcomes and toxicity analysis](#)

Alexander GS, Remick JS, **Kowalski E**, Sun K, Poirier Y, **Becker S**, Lamichhane N, Eisenberg H, **Slawson RG**, Woodworth GF, **Regine WF**, **Mishra MV**

Poster 3643

TUESDAY, OCTOBER 27 PRESENTATIONS

12:10 PM

[Evaluation of proton dose accuracy improvements with dual-energy CT](#)

Mossahebi S, Sabouri P, Ranjbar M, Strauss J, **O'Neil M**, **Polf JC**

Oral presentation 159

12:30 PM

[Patient preferences for reducing bowel adverse events following prostate radiotherapy](#)

Mishra MV, Thayer WM, Janssen E, Hoppe BS, **Eggleston C**, Bridges JFP

Oral presentation 142

3:35 PM

[In situ validation of a surrogate-based lung motion model for the long-term capture of cycle-to-cycle variations with 4DCT](#)

Ranjbar M, Sabouri P, **Mossahebi S**, **Sawant A**, **Mohindra P**, **Lasio G**, Topoleski LDT

Quick pitch oral presentation 1114

TUESDAY, OCTOBER 27 PRESENTATIONS (CONT.)

2:00 PM

POSTER Q&A SESSION PV06

[Clinical outcomes in non-small cell lung cancer patients treated with pencil beam scanning proton reirradiation after previous thoracic radiation.](#)

Saeed AM, Vyfhuis M, Scilla KA, Molitoris JK Simone CB II, Burrows WM, Mehra R, Rolfo C, **Miller RC, Mohindra P**

Poster 2279

[Dose to lungs and kidneys during total body irradiation: Are we delivering the expected dose?](#)

Samanta S, Damron P, Poirier Y, Mao S, Lamichhane N, Dahiya S, Yared J, Rapoport A, Hardy N, Molitoris J, Kaiser A, Yi B, Mohindra P

Poster 3766

[Radiotherapy-induced cerebrovascular events among survivors of childhood and adolescent cancer of the central nervous system: A PENTEC modeling study](#)

Waxer JF, Wong K, Olch AJ, **Modiri A**, Charpentier A, Sprow G, MacDonald S, **Bentzen SM**, Constine L

Poster 2538

WEDNESDAY, OCTOBER 28 PRESENTATIONS

12:00 PM

[A phase 1b/2a study evaluating the pharmacokinetics, safety, and efficacy of nanogenistein in combination with chemoradiotherapy for non-small cell lung cancer](#)

Simone CB II, Movsas B, Gore E, **Mohindra P, Vujaskovic Z**, Wang D, Ajlouni M, Menon S, Thompson J, Brown SL, Kurman M, Dykstra JC, Rillo L, Ingram M, Serebrenick A, Kaytor MD

Oral presentation 215