Department of Radiation Oncology

Schedule of Presentations and Activities

2019 Annual Meeting
September 15–18
McCormick Place West
Chicago, Illinois
Sunday, September 15 Presentations

1:15–2:30 PM Room W176
MO 01 Digital Health/Informatics I
Miller RC, moderator

1:15–2:30 PM ASTRO Innovation Hub
Short-term outcomes of re-irradiation to the chest wall using intensity-modulated proton therapy (IMPT) in women with breast cancer
Nichols EM, Kowalski E, Remick J, Mishra M
Poster 2011

1:15–2:30 PM ASTRO Innovation Hub
Concurrent external thermal therapy and pencil beam scanning proton therapy or photon/electron therapy for recurrent breast cancer: Early outcomes and toxicity
Poster 2102

1:15–2:30 PM ASTRO Innovation Hub
Cardiac monitoring for thoracic radiotherapy: Survey of practice patterns in the United States
Amin NP, Desai N, Mohindra P, Snider JW III, Simone CB II, Agarwal M, Nichols EM, Bergom C, Amin NP
Poster 3114

1:15–2:30 PM ASTRO Innovation Hub
Incidental coronary artery calcium on radiation simulation scans identifies patients for preventive therapy
Poster 2087

Other Events During ASTRO 2019

Sunday, September 15, 6:30–9:30 PM
University of Maryland Department of Radiation Oncology Alumni and Friends Event
Cibo Matto Restaurant at the Wit Hotel

Monday, September 16, 9:15–10:14 AM
Keynote Address I: Artificial Intelligence and Deep Learning in Medicine
Sucha Saria, PhD

Tuesday, September 17, 9:15–10:15 AM
Keynote Address II: Global Health in Oncology
Vanessa Kerry, MD, MSC
Monday, September 16 Presentations

8:00–9:00 AM Room W185
Combining virtual bronchoscopy with 4DCT-based ventilation mapping to preserve serial- and parallel-functioning lung elements in lung SAbR
Oral 54

8:00–9:30 AM Room W178
Prospective phase II randomized trial comparing proton therapy vs. IMRT for newly diagnosed GBM: Secondary analysis comparison of progression free survival between clinical radiological assessment vs. response assessment in neuro-oncology (RANO)
Mini-oral 1052

10:45 AM–12:00 PM ASTRO Innovation Hub
Somatostatin receptor PET imaging is a tool for radiation planning and evaluating treatment response in meningiomas
*Kowalski E, Khairnar R, Kouralakis A, Mishra M*
Poster 2148

10:45 AM–12:00 PM ASTRO Innovation Hub
Immune checkpoint inhibition and the risk of radionecrosis in patients treated with SRS for brain metastases
Poster 2253

10:45 AM–12:00 PM ASTRO Innovation Hub
A comparison of single-fraction versus multiple-fraction stereotactic radiosurgery in the treatment of brain metastasis: A multicenter analysis
Poster 2196

10:45 AM–12:00 PM ASTRO Innovation Hub
Clinical outcomes in patients with recurrent glioblastoma treated with proton beam therapy reirradiation: Analysis of the multi-institutional Proton Collaborative Group Registry
Poster 2241

4:00–5:00 PM Editor Roundtable
Data discoverability for reproducible science: The good, the bad and the ugly
*Miller RC, Jackson IL*, moderators
Monday, September 16, Presentations (Cont.)

4:15–5:30 PM Room W187
EDU 08 (Interactive) Practical Big Data Workshops – Key Recommendations and Findings for Bringing Big Data into Clinical Practice
**Miller RC**, moderator

4:15–5:30 PM Room W179
Is underdosing the target a risk worth taking? Outcome risk modeling in lymphoma radiotherapy?
**Modiri A**, Rechner LA, Stick LB, Maraldo MV, Rice S, **Sawant A**, **Bentzen SM**, Vogelius IR, Specht L
Mini-oral 1125

Tuesday, September 17, Presentations

8:00–9:00 AM Late-breaking Room W375e
**Mahmood J**, Strauss J, Dominic L, **Vujaskovic Z**
RhoA/ROCK pathway inhibitor ameliorates radiation-induced erectile dysfunction in rats
Late-breaking abstract LBA7

11:45 AM–12:45 PM Editor Roundtable
**Miller RC**

1:00–2:15 PM W175
Identifying the most costly patients in radiation oncology and predicting the “top spenders”
Waddle M, Kaleem T, Stross W, Malouff T, White L, Li Z, Naessens J, Spaulding A, Aljabri D, Ma D, Keole S, **Miller RC**
Mini-oral 1139

1:00–2:15 PM ASTRO Innovation Hub
Intra-fraction motion analysis for frameless linac-based stereotactic radiosurgery with three-dimension (3D) optical surface imaging for intra-fractional motion management
Poster 3772

1:00–2:15 PM ASTRO Innovation Hub
Image-guided biologically adaptive therapy for head and neck cancer
**Guerrero M**, Carlson DJ
Poster 3850

1:00–2:15 PM ASTRO Innovation Hub
Simulation of an HDR prostate boost with stereotactic intensity modulated proton versus photon radiation therapy: A dosimetric comparison study
Poster 3801
Tuesday, September 17 Presentations (Cont.)

1:00–2:15 PM     ASTRO Innovation Hub
Patient prioritization for proton beam therapy in a cost-neutral payer environment: use of a clinical benefit score for resource allocation
Sharma AM, Khairnar R, Kowalski E, Remick J, Nichols EM, Mohindra P, Yock T, Regine WF, Mishra M
Poster 3010

2:30–3:30 PM Editor Roundtable
Gender and diversity in academic research and publishing: Mentoring the next generation
Jackson IL

2:45–4:00 PM     ASTRO Innovation Hub
Assessing outcomes of patients treated with re-irradiation utilizing proton pencil-beam scanning for primary or recurrent malignancies of the esophagus and gastroesophageal junction
DeCesaris C, McCarroll R, Regine WF, Simone CB, Choi JI, Molitoris J
Poster 2417

2:45–4:00 PM     ASTRO Innovation Hub
Evaluation of a novel absorbable radiopaque hydrogel in patients undergoing image-guided radiotherapy (IGRT) for borderline resectable and locally advanced pancreatic adenocarcinoma
Rao A
Poster 2557

2:45–4:00 PM     Room W187
Panel 14 (Interactive) Improving the clinical treatment of vulnerable populations in radiation oncology: Latinx, African-American, Native American, and gender/sexual minority communities
Miller RC, moderator

2:45–4:00 PM     ASTRO Innovation Hub
Reirradiation for rectal cancer: A single-institution experience utilizing photons and protons
Poster 2380

4:45–6:00 PM     Room W176
MO 16 Hepatopancreaticobiliary Cancers
Molitoris J, moderator
Mini-oral

5:00–5:15 PM     Room W190
EDU 19 (Interactive) Methodologic pitfalls in determining radiation dose constraints in pediatric organs and the path forward
Bentzen S
Wednesday, September 18 Presentations

1:15–2:30 PM  W175
Deep locoregional thermal therapy concurrent with pencil beam scanning proton therapy: Initial report of safety and feasibility

Oral 1276

1:15–2:30 PM  W175
Spatially fractionated GRID radiotherapy (SFGRT) in conjunction with standard neoadjuvant radiotherapy for very high-risk soft tissue and osteosarcomas: Promising pathologic response with safe dose-escalation

Mini-oral 1267

1:15–2:30 PM  W175
Concurrent superficial thermal therapy and pencil beam scanning proton therapy: Initial clinical experience and safety profile

Mini-oral 1275

2:45–4:00 PM  Room 1176
First clinical experience of gated voluntary breath-hold intensity modulated proton therapy for thoracic malignancies

Mini-oral 1297