


<p>ASTRO'S 60th Annual Mtg October 21 – 24, 2018 Henry B. Gonzalez Convention Center, San Antonio, TX</p>	 <p>UNIVERSITY of MARYLAND SCHOOL OF MEDICINE DEPARTMENT OF RADIATION ONCOLOGY</p>	<p>2018 ASTRO Presentations: 38 Total / 9 Residents 6 Oral, 23 Poster, 3 Invited, 3 Panels, 3 Moderator/PD</p>
<p align="center">9th Annual Alumni & Friends Event / Sunday, October 21st / 6:30-9:30PM The Riverwalk at the Hotel Contessa / www.thehotelcontessa.com Please contact Cathy Hall with questions at 443-994-6480</p>		
<p align="center"><u>Invited Talks</u></p>		
<p>Stewart Becker, Ph.D.</p>	<p>GammaPod Consortium Mtg: Physics update on the GammaPod</p>	<p>10/20/2018, 8am</p>
<p>Charles Simone, M.D.</p>	<p>Oncora Medical Annual Meeting: Machine Learning in Radiation Oncology and Cancer Research</p>	<p>10/22/2018, 11:30 am</p>
<p align="center"><u>Educational Sessions</u></p>		
<p>Charles Simone, M.D.</p>	<p>EDU17-(INTERACTIVE) Increasing Role of Radiation Therapy and Multidisciplinary Management of Thymic Malignancies Invited Lecturer 20963: Radiation techniques and proton therapy for thymic tumors</p>	<p>Monday, October 22 5:00 PM - 5:15 PM Location: Room 007 C/D</p>
<p align="center"><u>Panels</u></p>		
<p>Mark Mishra, MD-Moderator</p>	<p>Panel 18 – Establishing Evidenced-Based Indications for Proton Beam Therapy: Have We Made Any Progress? Current Status of Proton beam therapy clinical trial efforts”</p>	<p>Wed., Oct. 24th, 1:30-1:50pm, Room 303</p>
<p>Keith Unger, MD-Affiliate Physician</p>	<p>Panel 18 – Establishing Evidenced-Based Indications for Proton Beam Therapy: Have We Made Any Progress? Can protons be worse? A case-based discussion highlighting the unknowns in proton beam therapy</p>	<p>Wednesday, October 24, 2:30 PM - 2:50 PM, Location: Room 303</p>
<p>Soren Bentzen, DSc, PhD, FASTRO</p>	<p>Panel 18 - Establishing Evidenced-Based Indications for Proton Beam Therapy: Have We Made Any Progress? Oral invited Ed. Session - Defining the optimal endpoints of a proton beam therapy clinical trial: is demonstration of superiority a requirement</p>	<p>Wednesday, October 24, 1:50 – 2:10 PM, 1:50-2:10pm</p>

Oral Presentations

Authors	Session SS 01 – Physics 1 – Best of Physics	Date/Time/Location/Title
Modiri A, Rice SR , Schonewolf CA, Berman AT, Feigenberg SJ, Simone CB 2nd, Bentzen SM, Sawant A	Oral, #9: Modeling Patient-specific Risk Factors for Central Lung Tumor SBRT Planning	Sunday, October 21, 1:45 PM - 1:55 PM, Location: Room 214 A/B
Samanta S, Modiri A , Rozario T, Yu J, Yan Y, Timmerman R, Sawant A	Oral, #10: Virtual bronchoscopy-guided dose response modeling of airways to mitigate radiation induced airway injury in lung SAbR	Sunday, October 21, 1:55 PM - 2:05 PM, Location: Room 214 A/B
Authors	Session SS 04 – Lung 2-Stage III/IV	Date/Time/Location/Title
Rengan R, Mick R, Pryma D, Lin L, Christodouleas J, Plastaras JP, Simone CB 2nd , Wei J, Gupta AK, Evans TL, Stevenson JP, Langer CJ, Kucharczuk J, Friedberg J, Patsch D, Hahn SM, Maity A	Oral #35: Long-Term Results of a Phase I/II Trial of Nelfinavir with Concurrent Chemoradiotherapy for Locally Advanced Non-Small Cell Lung Cancer	Sunday, October 21, 5:45 PM - 5:55 PM, Location: Room 301
Authors	Session SS 09 – Patient Reported Outcomes/Quality of Life/Survivorship	Date/Time/Location/Title
Mishra M , Khairnar R, Bentzen S, Larson G, Tsai H, Sinesi C, Vargas C, Laramore G, Rossi C, Rosen L, Hartsell W	Oral, #67: Patient-reported outcomes (PROs) comparing pencil beam scanning (PBS) and double scatter/uniform scanning proton beam therapy for localized prostate cancer (PC): Analysis of PCG 001-09	Monday, Oct. 22 nd , 8:05-8:15am, Room 008
Authors	Session SS 15 – Physics 3 – Treatment Planning	Date/Time/Location/Title
Kowalski E, Snider J, Fellows Z, Vadnais P, Cohen J , Feigenberg S, Nichols E	Oral, #111: Optimal target delineation for highly conformal photon and proton radiotherapy techniques in breast cancer with regional nodal irradiation	Monday, October 22, 4:55 PM - 5:05 PM, Location: Room 006
Authors	Session SS 19 – Biology 4 – Normal Tissue Radiobiology	Date/Time/Location/Title
Mohindra P	(Moderator)	Tuesday, October 23, 7:45 AM – 9:00 AM, Location: Room 008
Authors	Session SS 20 – Sarcoma and Cutaneous Tumors	Date/Time/Location/Title

Baumann B, , Bernstein K, Levin W, DeLaney T, Kolker J, Choy E, Weber K, Muniappan A, Berman A, Staddon A, Hartner L, Van Tine B, Hahn S, Glatstein E, Simone CB 2nd , Nagda S, Chen Y	Oral #155: Multi-institutional Analysis of Stereotactic Body Radiation Therapy for Sarcoma Pulmonary Metastases: High Rates of Local Control With Favorable Toxicity	Tuesday, October 23, 8:15 AM - 8:25 AM, Location: Room 007 A/B
<u>Poster Discussions</u>		
Mishra M , Khairnar R, Bentzen S, Larson G, Tsai H, Sinesi C, Vargas C, Laramore G, Rossi C, Rosen L, Hartsell W	PD 1008: Preliminary toxicity report comparing pencil beam scanning (PBS) to double scatter/uniform scanning proton beam therapy for localized prostate cancer (PC): Analysis of PCG 001-09	Sunday, 10/21/18 1:15-2:45pm Innovation Hub Exhibit Hall 3
Jain V, Frick M, Doucette A, van der Schaaf A, Simone CB 2nd , Chinniah C, Levin WP, Feigenberg SJ, Niezink A, Langendijk JA, Berman AT	PD 1137: Updating Photon-Based Normal Tissue Complication Probability Models for Pneumonitis in Lung Cancer Patients Treated With Proton Beam Therapy	Wednesday, October 24, 11:12 AM - 11:18 AM, Location: Room 217 C/D
Poster Session 1: GU, GI and Biology Sunday, 10/21/18, Time: 1:15 – 2:45pm, Room 217 A/B, Innovation Hub, Exhibit Hall 3		
Cushman TR, Verma V, Levy J, Simone CB 2nd , Mishra MV	SU_25_2249 - Stereotactic Body Radiation Therapy for Prostate Cancer: Systematic Review and Meta-Analysis	
Mahmood J , Alexander A, Samanta S , Soman S , Shukla H, Davila E, Carrier F , Jackson IL , Vujaskovic Z	SU_39_2382 - Radiation Therapy in Combination with Hyperthermia and Immunotherapy Inhibit Pancreatic Tumor Growth and Modulate Tumor Microenvironment in Mice	
Samanta S , Mahmood J , Soman S, Alexander A, Shukla H, Kingsbury T, Creed M, Eley J , Sawant A , Vujaskovic Z	SU_44_2435 - CRISPR Cas9 Mediated Caveolin-1 Knockout Sensitizes Radioresistant Non-Small Cell Lung Cancer	
Samanta S , Creed M, Anvari A, Mahmood J , Kingsbury T, Sawant A	SU_44_2437 - Novel strategy to develop orthotopic prostate tumor using androgen dependent LNCaP transduced with miR133b	
Poster Session 2: HN, CNS, Hematologic, Digital Health/Informatic, Sarcoma/Skin Monday, 10/22/18, Time: 10:45 – 12:15pm, Innovation Hub, Exhibit Hall 3		
Lin AJ, Kane LT, Molitoris J , Smith DR, Badiyan S, Wang TJC, Kruser TJ, Huang J	MO_21_2662: Oligodendroglioma patients with 1p/19q co-deletion treated with early or delayed radiation therapy over the last two decades: A multi-institutional report.	
Snider JW III , DeCesaris C , Molitoris JK , Rice SR , Vyfhuis M , Onyeuku N , Chhabra AM , Feigenberg SJ , Hatten K	MO_24_2685 - Substantial Heterogeneity Amongst Radiation Oncologists in Adjuvant Therapy Recommendations for Patients Post-Transoral Robotic Surgery: A Patterns of Care Survey	
Snider JW III , Molitoris JK , Chhabra AM , DeCesaris C , Onyeuku N , Rice SR , Vyfhuis M , Hatten K , Feigenberg SJ	MO_28_2733 - Practice Patterns in Human Papilloma Virus-Associated Oropharyngeal Cancer and Strategies for Deintensification of Therapy: A Nationwide Survey of Radiation Oncologists	

Sperduto PW, Fang P, Li J, Breen W, Brown PD, Cagney D, Aizer A, Myrehaug S, Sahgal A, Jain S, Gaspar LE, Cameron B, Attia A, Molitoris J , Wu C-C, Wang TJC, Lockney N, Beal K, Parkhurst J, Buatti J, Shanley R, Lou E, Tandberg DD, Kirkpatrick JP, Shi D, Shih H, Chuong M, Saito H, Aoyama H, Masucci L, Roberge D, Mehta MP	MO_29_2736 Survival and prognostic factors in patients with gastrointestinal cancers and brain metastases.
Poster Session 3: Physics, Palliative, Patient Safety, Edu. & History, Peds, Health Services Research, Nonmalignant Tuesday, 10/23/18, Time: 1:00 – 2:30pm, Innovation Hub, Exhibit Hall 3	
Koroulakis A, Rice S, Knight N, Nichols E.	TU_3_2918 - Perceptions and Patterns in Academic Publishing: A Survey of United States Residents in Radiation Oncology
Remick J, Chhabra A, Bentzen S, Simone CB 2nd, Nichols E, Suntharalingam M, Regine WF	TU_11_3001 - The Downstream “ Halo” Effect of a Proton Therapy Center on an Academic Medical Center
Simone B, Campbell K, Molitoris J , Han Y, Li Y, Patay Z, Broniscer A, Merchant TE, Tinkle CL	TU_21_3099 - Patterns of disease progression after conformal radiation therapy for diffuse intrinsic pontine glioma
Ramey SJ, Padgett KR, Lamichhane N , Hanmath N, Neboori H Jr, Kwon D, Mellon EA, Brown K, Duffy M, Victoria JR, Dogan N, Portelance L	TU_32_3211 - Dosimetric Analysis of Stereotactic Body Radiation Therapy for Pancreatic Cancer using MR-Guided Tri- ⁶⁰ Co Unit, MR-Guided LINAC, and Conventional LINAC Based Plans
Brackett A, Kaiser A, Kwok Y, Zhu M	TU_34_3235 - Using Robust Treatment Planning of Intensity Modulated Proton Therapy to Address Rectal Volume Uncertainty in High Risk Prostate Cancer Patients
Onyeuku N, Snider JW, Regine WF, Simone CB 2nd, Langen KM, Diwanji T, Houser T, Le Q, Zhu M	TU_35_3242 - Single- and Multi-CT Robust Optimization Improves Robustness to Anatomic Changes in Head and Neck Cancer Patients Treated with Intensity-Modulated Proton Therapy
Nichols EM, Langen K, Regine WF, Simone CB 2nd	TU_37_3261 - Single-Institutional Experience assessing the role of Quality Assurance (QA) CT Scans and their impact on Adaptive Planning with Pencil-Beam Scanning Proton Therapy in the setting of Cone Beam CT (CBCT)
Zhang HH, Sours C, Gullapalli R, Patel K, Mistry N, Kwok Y, Regine WF, D'Souza WD	TU_40_3289 - Feasibility and benefit of dose reduction to network supporting cognitive function for patients with primary brain tumors
Berman AT, Gabriel P, Owen D, Ju M, Simone CB 2nd , Christodouleas J, Hwang WT, Vapiwala N	TU_9_2981 - Acute Hospital Encounters in Cancer Patients Treated with Definitive Radiation Therapy
Poster Session 4: GYN, Breast, Lung, Patient Reported Outcomes, Nurses Tuesday, 10/23/18 Time: 2:45 – 4:15pm, Innovation Hub, Exhibit Hall 3	
DeCesaris C, Rice SR, Jatczak J, Bentzen SM, Mishra MV, Nicholas EM	TU_10_3422 - Comparison of Acute Skin Toxicities in Breast Cancer Patients Undergoing Adjuvant Proton vs. Photon Radiation Therapy: A single institutional experience
Amin NP, Bergom C, Desai N, Agarwal M, Remick J, Simone CB 2nd	TU_22_3540 - Concurrent Radiation and Immunotherapy: Survey of Practice Patterns in the United States

Molitoris JK, Glass E, Miller K, Culligan M, Friedberg JS, Simone CB 2nd, Badiyan SN	TU_23_3550 - Toxicities and Clinical Outcomes of Whole Pleural Intensity-Modulated Proton Therapy for Lung-Intact Malignant Pleural Mesothelioma
Goodman CR, Zainib M, Arshad M, Cutright D, Beydoun H, Dominello MM, Mohindra P, Amin NP, Simone CB 2nd , Kruser TJ	TU_28_3595 - Stereotactic Body Radiation Therapy to Multiple Sites of Intrathoracic Disease: A Multi-Institutional Analysis
Mohindra P, Vyfhuis M , Edelman MJ, Bhooshan N, Feliciano J, Burrows W, Badiyan SN, Suntharalingam M , Feigenberg SJ, Simone CB 2nd	TU_31_3626 - 70 years or Older Stage III Non-small Cell Lung Cancer: Impact of Technology on Outcomes of Definitive Chemoradiation
Rice SR , Nygaard L, Vyfhuis M , Vogelius I, Caturegli I, Simone CB 2nd , Bentzen SM, Mohindra P.	TU_32_3640 - Independent Validation of Competing Risk Model for First Failure Site in Definitive Chemoradiation for Locally Advanced Non-Small Cell Lung Cancer