

<b>ASTRO'S 60<sup>th</sup> Annual Meeting</b> <b>October 21 – 24, 2018</b> Henry B. Gonzalez Convention Center, San Antonio, TX	 <b>UNIVERSITY of MARYLAND</b> <b>SCHOOL OF MEDICINE</b> DEPARTMENT OF RADIATION ONCOLOGY	<b>ASTRO Presentations:</b> <b>38 Total / 9 Residents</b> <b>6 Oral, 23 Poster, 3 Invited,</b> <b>3 Panels, 3 Moderator/PD</b>
<b><u>Saturday, October 20, 2018</u></b>		
<b>Stewart Becker, Ph.D. / Invited Talk</b>	GammaPod Consortium Mtg: Physics update on the GammaPod	10/20/2018, 8am
<b><u>Sunday, October 21, 2018</u></b>		
<b>Cushman TR, Verma V, Levy J, Simone CB 2nd, Mishra MV</b>	<b>SU_25_2249</b> - Stereotactic Body Radiation Therapy for Prostate Cancer: Systematic Review and Meta-Analysis	1:15 – 2:45pm, Room 217 A/B, Innovation Hub, Exhibit Hall 3
<b>Mahmood J, Alexander A, Samanta S, Soman S, Shukla H, Davila E, Carrier F, Jackson IL, Vujaskovic Z</b>	<b>SU_39_2382</b> - Radiation Therapy in Combination with Hyperthermia and Immunotherapy Inhibit Pancreatic Tumor Growth and Modulate Tumor Microenvironment in Mice	1:15 – 2:45pm, Room 217 A/B, Innovation Hub, Exhibit Hall 3
<b>Samanta S, Mahmood J, Soman S, Alexander A, Shukla H, Kingsbury T, Creed M, Eley J, Sawant A, Vujaskovic Z</b>	<b>SU_44_2435</b> - CRISPR Cas9 Mediated Caveolin-1 Knockout Sensitizes Radioresistant Non-Small Cell Lung Cancer	1:15 – 2:45pm, Room 217 A/B, Innovation Hub, Exhibit Hall 3
<b>Samanta S, Creed M, Anvari A, Mahmood J, Kingsbury T, Sawant A</b>	<b>SU_44_2437</b> - Novel strategy to develop orthotopic prostate tumor using androgen dependent LNCaP transduced with miR133b	1:15 – 2:45pm, Room 217 A/B, Innovation Hub, Exhibit Hall 3
<b>Mishra M, Khairnar R, Bentzen S, Larson G, Tsai H, Sinesi C, Vargas C, Laramore G, Rossi C, Rosen L, Hartsell W</b>	<b>Poster Discussion 1008:</b> 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	1:15-2:45pm Innovation Hub Exhibit Hall 3
<b>Modiri A, Rice SR, Schonewolf CA, Berman AT, Feigenberg SJ, Simone CB 2nd, Bentzen SM, Sawant A</b>	<b>Session SS 01 – Physics 1 – Best of Physics</b> <b>Oral, #9:</b> Modeling Patient-specific Risk Factors for Central Lung Tumor SBRT Planning	1:45 PM - 1:55 PM, Location: Room 214 A/B
<b>Samanta S, Modiri A, Rozario T, Yu J, Yan Y, Timmerman R, Sawant A</b>	<b>Session SS 01 – Physics 1 – Best of Physics</b> <b>Oral, #10:</b> Virtual bronchoscopy-guided dose response modeling of airways to mitigate radiation induced airway injury in lung SABR	1:55 PM - 2:05 PM, Location: Room 214 A/B

Rengan R, Mick R, Pryma D, Lin L, Christodouleas J, Plastaras JP, <b>Simone CB 2nd</b> , Wei J, Gupta AK, Evans TL, Stevenson JP, Langer CJ, Kucharczuk J, Friedberg J, Patsch D, Hahn SM, Maity A	<b>Session SS 04 – Lung 2-Stage III/IV</b> <b>Oral #35:</b> Long-Term Results of a Phase I/II Trial of Nelfinavir with Concurrent Chemoradiotherapy for Locally Advanced Non-Small Cell Lung Cancer	5:45 PM - 5:55 PM, Location: Room 301
<b>9<sup>th</sup> Annual Alumni &amp; Friends Event</b> <b>The Riverwalk at the Hotel Contessa / Sunday, October 21st / 6:30-9:30PM</b> <a href="http://www.thehotelcontessa.com">www.thehotelcontessa.com</a> Please contact Cathy Hall with questions at 443-994-6480		
<b>Monday, October 22, 2018</b>		
<b>Mishra M</b> , Khairnar R, Bentzen S, Larson G, Tsai H, Sinesi C, Vargas C, Laramore G, Rossi C, Rosen L, Hartsell W	<b>Session SS 09 – Patient Reported Outcomes/Quality of Life/Survivorship</b> <b>Oral, #67:</b> 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	8:05-8:15am, Room 008
<b>Charles Simone, M.D. / Invited Talk</b>	Oncora Medical Annual Meeting: Machine Learning in Radiation Oncology and Cancer Research	10/22/2018, 11:30 am
Lin AJ, Kane LT, <b>Molitoris J</b> , Smith DR, Badiyan S, Wang TJC, Kruser TJ, Huang J	<b>MO_21_2662:</b> Oligodendroglioma patients with 1p/19q co-deletion treated with early or delayed radiation therapy over the last two decades: A multi-institutional report.	10:45 – 12:15pm, Innovation Hub, Exhibit Hall 3
<b>Snider JW III, DeCesaris C, Molitoris JK, Rice SR, Vyfhuis M, Onyeuku N, Chhabra AM, Feigenberg SJ, Hatten K</b>	<b>MO_24_2685 -</b> Substantial Heterogeneity Amongst Radiation Oncologists in Adjuvant Therapy Recommendations for Patients Post-Transoral Robotic Surgery: A Patterns of Care Survey	10:45 – 12:15pm, Innovation Hub, Exhibit Hall 3
<b>Snider JW III, Molitoris JK, Chhabra AM, DeCesaris C, Onyeuku N, Rice SR, Vyfhuis M, Hatten K, Feigenberg SJ</b>	<b>MO_28_2733 -</b> Practice Patterns in Human Papilloma Virus-Associated Oropharyngeal Cancer and Strategies for Deintensification of Therapy: A Nationwide Survey of Radiation Oncologists	10:45 – 12:15pm, Innovation Hub, Exhibit Hall 3
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, <b>Molitoris J</b> , 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	<b>MO_29_2736</b> Survival and prognostic factors in patients with gastrointestinal cancers and brain metastases.	10:45 – 12:15pm, Innovation Hub, Exhibit Hall 3
<b>Kowalski E, Snider J, Fellows Z, Vadnais P, Cohen J, Feigenberg S, Nichols E</b>	<b>Session SS 15 – Physics 3 – Treatment Planning</b> <b>Oral, #111:</b> Optimal target delineation for highly conformal photon and proton radiotherapy techniques in breast cancer with regional nodal irradiation	4:55 PM - 5:05 PM, Location: Room 006
<b>Charles Simone, M.D. Educational Session</b>	<b>EDU17-(INTERACTIVE)</b> Increasing Role of Radiation Therapy and Multidisciplinary Management of Thymic Malignancies <b>Invited Lecturer 20963:</b> Radiation techniques and proton therapy for thymic tumors	5:00 PM - 5:15 PM Room 007 C/D

## Tuesday, October 23, 2018

<b>Mohindra P</b>	<b>Session SS 19 – Biology 4 – Normal Tissue Radiobiology (Moderator)</b>	7:45 AM – 9:00 AM, Room 008
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, <b>Simone CB 2<sup>nd</sup></b> , Nagda S, Chen Y	<b>Session SS 20 – Sarcoma and Cutaneous Tumors</b> <b>Oral #155:</b> Multi-institutional Analysis of Stereotactic Body Radiation Therapy for Sarcoma Pulmonary Metastases: High Rates of Local Control With Favorable Toxicity	8:15 AM - 8:25 AM, Room 007 A/B
<b>Koroulakis A, Rice S, Knight N, Nichols E.</b>	<b>TU_3_2918</b> - Perceptions and Patterns in Academic Publishing: A Survey of United States Residents in Radiation Oncology	1:00 – 2:30pm, Innovation Hub, Exhibit Hall 3
<b>Remick J, Chhabra A, Bentzen S, Simone CB 2<sup>nd</sup>, Nichols E, Suntharalingam M, Regine WF</b>	<b>TU_11_3001</b> - The Downstream “ Halo” Effect of a Proton Therapy Center on an Academic Medical Center	1:00 – 2:30pm, Innovation Hub, Exhibit Hall 3
Simone B, Campbell K, <b>Molitoris J</b> , Han Y, Li Y, Patay Z, Broniscer A, Merchant TE, Tinkle CL	<b>TU_21_3099</b> - Patterns of disease progression after conformal radiation therapy for diffuse intrinsic pontine glioma	1:00 – 2:30pm, Innovation Hub, Exhibit Hall 3
Ramey SJ, Padgett KR, <b>Lamichhane N</b> , Hanmath N, Neboori H Jr, Kwon D, Mellon EA, Brown K, Duffy M, Victoria JR, Dogan N, Portelance L	<b>TU_32_3211</b> - Dosimetric Analysis of Stereotactic Body Radiation Therapy for Pancreatic Cancer using MR-Guided Tri- <sup>60</sup> Co Unit, MR-Guided LINAC, and Conventional LINAC Based Plans	1:00 – 2:30pm, Innovation Hub, Exhibit Hall 3
Brackett A, <b>Kaiser A, Kwok Y, Zhu M</b>	<b>TU_34_3235</b> - Using Robust Treatment Planning of Intensity Modulated Proton Therapy to Address Rectal Volume Uncertainty in High Risk Prostate Cancer Patients	1:00 – 2:30pm, Innovation Hub, Exhibit Hall 3
<b>Onyeuku N, Snider JW, Regine WF, Simone CB 2<sup>nd</sup>, Langen KM, Diwanji T, Houser T, Le Q, Zhu M</b>	<b>TU_35_3242</b> - Single- and Multi-CT Robust Optimization Improves Robustness to Anatomic Changes in Head and Neck Cancer Patients Treated with Intensity-Modulated Proton Therapy	1:00 – 2:30pm, Innovation Hub, Exhibit Hall 3
<b>Nichols EM, Langen K, Regine WF, Simone CB 2<sup>nd</sup></b>	<b>TU_37_3261</b> - 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)	1:00 – 2:30pm, Innovation Hub, Exhibit Hall 3
<b>Zhang HH</b> , Sours C, Gullapalli R, Patel K, Mistry N, <b>Kwok Y, Regine WF, D'Souza WD</b>	<b>TU_40_3289</b> - Feasibility and benefit of dose reduction to network supporting cognitive function for patients with primary brain tumors	1:00 – 2:30pm, Innovation Hub, Exhibit Hall 3
Berman AT, Gabriel P, Owen D, Ju M, <b>Simone CB 2<sup>nd</sup></b> , Christodouleas J, Hwang WT, Vapiwala N	<b>TU_9_2981</b> - Acute Hospital Encounters in Cancer Patients Treated with Definitive Radiation Therapy	1:00 – 2:30pm, Innovation Hub, Exhibit Hall 3
<b>DeCesaris C, Rice SR, Jatzcak J, Bentzen SM, Mishra MV, Nicholas EM</b>	<b>TU_10_3422</b> - Comparison of Acute Skin Toxicities in Breast Cancer Patients Undergoing Adjuvant Proton vs. Photon Radiation Therapy: A single institutional experience	2:45 – 4:15pm, Innovation Hub, Exhibit Hall 3
<b>Amin NP</b> , Bergom C, Desai N, <b>Agarwal M, Remick J, Simone CB 2<sup>nd</sup></b>	<b>TU_22_3540</b> - Concurrent Radiation and Immunotherapy: Survey of Practice Patterns in the United States	2:45 – 4:15pm, Innovation Hub, Exhibit Hall 3
<b>Molitoris JK, Glass E, Miller K</b> , Culligan M, Friedberg JS, <b>Simone CB 2<sup>nd</sup></b> , Badiyan SN	<b>TU_23_3550</b> - Toxicities and Clinical Outcomes of Whole Pleural Intensity-Modulated Proton Therapy for Lung-Intact Malignant Pleural Mesothelioma	2:45 – 4:15pm, Innovation Hub, Exhibit Hall 3

Goodman CR, Zainib M, Arshad M, Cutright D, Beydoun H, Dominello MM, <b>Mohindra P, Amin NP, Simone CB 2nd</b> , Kruser TJ	<b>TU_28_3595</b> - Stereotactic Body Radiation Therapy to Multiple Sites of Intrathoracic Disease: A Multi-Institutional Analysis	2:45 – 4:15pm, Innovation Hub, Exhibit Hall 3
<b>Mohindra P, Vyfhuys M</b> , Edelman MJ, Bhooshan N, Feliciano J, Burrows W, Badiyan SN, <b>Suntharalingam M</b> , Feigenberg SJ, <b>Simone CB 2nd</b>	<b>TU_31_3626</b> - 70 years or Older Stage III Non-small Cell Lung Cancer: Impact of Technology on Outcomes of Definitive Chemoradiation	2:45 – 4:15pm, Innovation Hub, Exhibit Hall 3
<b>Rice SR</b> , Nygaard L, <b>Vyfhuys M</b> , Vogelius I, Caturegli I, <b>Simone CB 2nd</b> , Bentzen SM, <b>Mohindra P</b> .	<b>TU_32_3640</b> - Independent Validation of Competing Risk Model for First Failure Site in Definitive Chemoradiation for Locally Advanced Non-Small Cell Lung Cancer	2:45 – 4:15pm, Innovation Hub, Exhibit Hall 3
<b><u>Wednesday, October 24, 2018</u></b>		
Jain V, Frick M, Doucette A, van der Schaaf A, <b>Simone CB 2nd</b> , Chinniah C, Levin WP, Feigenberg SJ, Niezink A, Langendijk JA, Berman AT	<b>Poster Discussion 1137:</b> Updating Photon-Based Normal Tissue Complication Probability Models for Pneumonitis in Lung Cancer Patients Treated With Proton Beam Therapy	11:12 AM - 11:18 AM, Room 217 C/D
<b>Mark Mishra, MD-Moderator Panel</b>	<b>Panel 18</b> – Establishing Evidenced-Based Indications for Proton Beam Therapy: Have We Made Any Progress? <b>Current Status of Proton beam therapy clinical trial efforts”</b>	1:30-1:50pm, Room 303
<b>Soren Bentzen, DSc, PhD, FASTRO Panel</b>	<b>Panel 18</b> - Establishing Evidenced-Based Indications for Proton Beam Therapy: Have We Made Any Progress? <b>Oral invited Ed. Session - Defining the optimal endpoints of a proton beam therapy clinical trial: is demonstration of superiority a requirement</b>	1:50 – 2:10 PM,
<b>Keith Unger, MD-Affiliate Physician Panel</b>	<b>Panel 18</b> – Establishing Evidenced-Based Indications for Proton Beam Therapy: Have We Made Any Progress? <b>Can protons be worse? A case-based discussion highlighting the unknowns in proton beam therapy</b>	2:30 PM - 2:50 PM, Room 303