American Society for Radiation Oncology (ASTRO)
59th Annual Meeting & Exhibition
Scheduled Presentations
September 24-27, 2017
San Diego Convention Center (San Diego, CA)

Oral Presentations

**Sunday, September 24**

1:15-2:45PM

Room 8  EDU 03

**Metabolic Imaging in Cancer**

PET and MRI in cervical cancer (Julie Schwarz)

4:45-6:15PM

Room 11 A/B  (SS 06)

**GYN 1 - Cervical Cancer**

**Discussant:** Julie Schwarz, MD, PhD

Correlation and Prognostic Significance of Pre-Treatment 18F-FDG and 64Cu-ATSM PET/CT for Cervical Cancer (Comron Hassanzedeh, Sr. Author: Perry Grigsby)

**Monday, September 25**

4:15-5:45PM

Room 6D  (EDU 17)

**Challenging CNS Cases: 2016 WHO Update (INTERACTIVE)**

Session Chair: Introduction and Challenging Case Presentations (Christina Tsien)

Room 31 A/C  (EDU 18)

**Live SA-CME: Advances in Endometrial Cancer**

Endometrial Cancer: Early Stage (Julie Schwarz)

**Tuesday, September 26**

7:45-9:00AM

Room 5B  (SS 20)

**Patient Safety**

Best of ASTRO Selection

Detecting External Beam Radiation Therapy Physician Order Errors Using Machine Learning (Deshan Yang)

10:15-11:30AM

**ASTRO Awards Ceremony**

Ballroom 20, Upper Level

Jeffrey Bradley, MD has been elected as a Fellow of the American Society for Radiation Oncology, and will be recognized at this year’s awards ceremony.

1:00-2:30PM

Room 1 A/B  (EDU 27)

**Re-irradiation of Primary Brain Tumors: Case Based Discussion**

Malignant glioma - results with hypofractionated and single fraction radiosurgery (Christina Tsien)

Room 2  (Workshop 05)

**CROPS - Getting from the Bench to the Bedside: How to Translate Lab Findings into Clinical Trials**

“What in vivo data is really needed to take something to trial?” (Julie Schwarz)

**Wednesday, September 27**

7:45-9:00AM

Room 30 A/B/C  (EDU 40)

**Improving Patient Safety in Radiation Oncology: Practical Strategies Drawn from Three Years of the RO-ILS System**

“Theme 2: Localization errors” (Lakshmi Santanam)

Room 30 D/E  (SS 34)

**GU 2 - Emerging Data on Bladder Preservation**

A Decision-Support Tool to Assist Muscle-Invasive Bladder Cancer Patients Choosing Between Radical Cystectomy and Chemoradiation Therapy (Brian Baumann)

1:30-3:00PM

Room 2  (SS 42)

**Biology 6 - Sensitizers, Response and Models**

Squamous Cell Carcinoma Antigen Mediates Radiation Resistance in Cervical Cancer (Stephanie Markovina)

Room 3  (EDU 45)

**Practical Clinical Implementation and use of Adaptive Radiotherapy**

Adaptive Therapy for Lung Cancer - Clinical (Clifford Robinson)

Adaptive Therapy for Lung Cancer - Physics (Geoffrey Hugo)

Room 25 A/B/C  (SS 44)

**GU 4 - Hypofractionated and Ablative Radiotherapy for Kidney and Prostate Cancers**

**Moderator:** Jeff Michalski, MD
GU, Biology
Q&A Session: Sunday, September 24 1:15-2:45PM
Survival Outcomes in Elderly Patients with Muscle Invasive Bladder Cancer: A Population Based Analysis (Benjamin Fischer-Valuck)
Treatment Patterns and Survival Outcomes of Patients with Small Cell Carcinoma of the Bladder: A National Cancer Database Analysis (Benjamin Fischer-Valuck)
Characterizing Oxidative Stress in Cervical Cancer Cell Lines Using a Novel Positron Emission Tomography Probe [F-18]Dihydroethidium: Implications for Radiation and Redox Directed Therapies (John Floberg)
Nonmalignant, Palliative Care, Patient Reported Outcomes, Patient Safety, Informatics, Health Services Research
Q&A Session: Sunday, September 24 4:45-6:15PM
Development and Implementation of Quality Measures for the Survey Based Performance Assessment of Radiation Therapy in the VA (Douglas Caruthers)
Plan Quality and Delivery Time Comparison of Single-Isocenter Volumetric Modulated Arc Therapy Versus Stereotactic Radiosurgery for Brain Metastases (Lauren Henke)
Broad Trends in Radiation Utilization From 1973 to 2012 Among Elderly Patients Aged 85 and Older: An Analysis of the Surveillance, Epidemiology, and End Results Database (Hayley Stowe, PIs: Gregory Vlacich, Stephanie Perkins)
Late Efficacy and Toxicity after EP-guided Noninvasive Cardiac Radioablation (ENCORE) for Ventricular Tachycardia (VT) (Clifford Robinson)
Myocardial Myocardial Performance after EP-Guided Noninvasive Cardiac Radioablation (ENCORE) for Ventricular Tachycardia (VT) (Sr. Author: Clifford Robinson)
Breast, GYN, Nursing
Q&A Session: Monday, September 25 10:45AM-12:15PM
A Simplified Risk Score to Predict Brain Metastasis in Triple Negative Breast Cancer Receiving Neoadjuvant Chemotherapy and Adjuvant Radiation Therapy (Prashant Gabani)
Cardiac Motion Tracked on Cine MRI in Free-Breathing and Deep Inspiration Breath Hold: Effect on Dose Delivered to the Heart in Breast Cancer Patients (Maria Thomas)
Evaluation of Single Fraction High-Gradient Partial Breast Irradiation as the Sole Method of Radiation Therapy for Low-Risk Stage 0 and I Breast Cancer—Early Results of a Single Institution Prospective Clinical Trial (Imran Zoberi)
Improved Survival with Definitive Chemoradiation Compared to Definitive Radiation Alone in Squamous Cell Carcinoma of the Vulva (Re-I Chin, PI: Perry Grigsby)

Physics
Q&A Session: Monday, September 25 4:15-5:45PM
Feasibility of Stereotactic Body Radiation Therapy for Non–small Cell Lung Cancer Using a Linear Accelerator-Based Magnetic Resonance Image Guided Radiation Therapy System (Bin Cai)
Lung, Pediatrics, Education
Q&A Session: Tuesday, September 26 1:00-2:30PM
Proton Therapy Reirradiation for Thoracic Recurrences: Toxicity and Outcomes (Jessika Contreras)
Treatment Allocation Modeling for Clinical Stage I Non–small Cell Lung Cancer Patients to Facilitate the Shared Decision Making Process for Stereotactic Body Radiation Therapy Versus Surgical Resection (Pamela Samson)
Development of a Prospective Clinical Database for Stage I Non–small Cell Lung Cancer Patients to Identify High-Risk Individuals Appropriate for Stereotactic Body Radiation Therapy (Pamela Samson)
Comparison of Radiation Necrosis in Adult Cranial Oligodendrogliomas and Astrocytomas Treated With Proton Versus Photon Therapy (Sahaja Acharya)
CNS, Head and Neck, Sarcoma
Q&A Session: Tuesday, September 26 2:45-4:15PM
Impact of Concurrent Versus Adjuvant Chemotherapy on Inducing Lymphopenia in Glioma Patients Treated with Radiation Therapy (Alexander Lin)
Multiparametric Advanced MR and FDG PET Imaging is a Potential Prognostic Imaging Biomarker in Recurrent Glioblastoma (Yuan Rao)
Effect of Radiation Treatment Volume Reduction on Lymphopenia in Patients Receiving Chemoradiation for Glioblastoma Multiforme (Soumon Rudra)
The Impact of the Timing of PD-1 Inhibition on Disease Control for Brain Metastases Treated with Stereotactic Radiosurgery (Amar Srivastava)
Patterns of Care and Outcomes of Proton and Eye Plaque Brachytherapy for Uveal Melanoma: Review of the NCDB Database (Alexander Lin)
Association of Human Papillomavirus Infection and p16 status in Nonendemic Nasopharyngeal Carcinoma: Incidence, Prevalence, and Prognostic Role (Anupama Chundury)
GI, Hematologic
Q&A Session: Tuesday, September 26 4:45-6:15PM
Stereotactic Body Radiation Therapy (SBRT) for Hepatocellular Carcinoma: High Rates of Local Control with Low Toxicity (Brian Baumann)
High Dose Adaptive MRI Guided Radiation Therapy Improves Overall Survival of Inoperable Pancreatic Cancer (Soumon Rudra)
Concurrent Chemoradiation is Associated With Improved Overall Survival Over Radiation Alone in the Treatment of Non-operative Clinical T1N0M0 Esophageal Cancer (Pamela Samson)

ePoster Presentations
Tuesday, September 26 - 1:00-2:30PM
(eP 09)
Biology ePoster Discussion 2: Immune Pathways and the Microenvironment
Maintenance of HPV Gene Expression and Decreased Local Immune Response During Chemoradiation are Associated With Death From Cervical Cancer (Pippa Cosper)

Wednesday, September 27 - 3:15-4:45PM
(eP 18)
Lung ePoster Discussion 2 - SBRT
Stereotactic MR-Guided Adaptive Radiotherapy (SMART) for Ultra-Central Thorax Lesions: Results of a Phase 1 Trial (Lauren Henke)