



CASE
COMPREHENSIVE
CANCER CENTER



American Society for Radiation Oncology (ASTRO) Annual Meeting 2019
Sunday, September 15 – Wednesday, September 18

www.astro.org/Meetings-and-Education/Live-Meetings/2019/2019-ASTRO-Annual-Meeting

Cancer Center Members indicated in **BOLD**

Speakers – Sunday, September 15

Shlomo Koefman, MD, Cleveland Clinic
PRO 09 – (Interactive) Current Clinical Cases in Head and Neck Cancer
Speaker, “Approaches to. Reirradiation in Head and Neck Cancer Patients”
10:00 AM - 10:15 AM, W196

Gregory Videtic, MD, CM, FRCPC, FACR, FASTRO
eContouring 03 - (Live SA-CME) eContouring for Oligometastatic SBRT
Speaker
5:25 PM – 5:45 PM, W194

Speakers – Monday, September 16

Min Yao, MD, PhD, FASTRO, University Hospitals
International Session 05 - Combination of Radiotherapy with targeted or immunotherapy - Clinical trials
for evidence based clinical decision
Speaker, “Clinical trials of immunotherapy for head and neck cancers”
10:55 AM – 11:14 AM, W181

David Adelstein, MD, Cleveland Clinic
EDU 07 - (Interactive) Challenging Cases in Head and Neck Cancer
Speaker, “Challenging Case from Dr. Adelstein (Medical Oncology)”
11:26 AM – 11:38 AM, W181

Speakers – Tuesday, September 17

Sudha Amarnath, MD, Cleveland Clinic
MO 08 - GI 2 - Anorectal and Liver Cancers
Speaker, “1099 - Toxicity and Efficacy Outcomes of Preoperative Pelvic Radiation Therapy in Patients
with Inflammatory Bowel Disease and Rectal Cancer”
11:50 AM – 11:55 AM, W175

Speakers – Tuesday, September 17 cont'd

Manmeet Ahluwalia, MD, Cleveland Clinic

Joint Session 02 - (Interactive) Novel Paradigms in the Management of Gliomas: Challenging Case-based ASTRO-SNO Joint Session

Speaker, "Novel targeted therapies/Immuno-oncology and Clinical Trials/TTF"

4:32 PM – 4:44 PM, W181

Jessica Geiger, MD, Cleveland Clinic

Panel 10 - (Live SA-CME) Definitive and Postoperative Radiation Therapy for Basal and Squamous Cell Cancers of the Skin: An ASTRO Evidence-Based Clinical Practice Guideline

Speaker, "Key Question 5: Use of chemotherapy, biologic, and immunotherapy agents before, during or after RT when treating cBCC and SCC"

5:03 PM – 5:15 PM, W183

Presenters and Moderators – Sunday, September 15

Eleanor Harris, MD, FASTRO, University Hospitals

SS 02 - Breast 1 - Fractionation and Clinical Outcomes

Presenter, "13 - Planned Interim Analysis Results from a Prospective Multicenter Single-Arm Cohort Study of Patients Receiving Endocrine Therapy but Not Radiotherapy after Breast-Conserving Surgery for Early-Stage Breast Cancer with Favorable Biologic Features"

1:15 PM - 1:25 PM, W178

Tithi Biswas, MD, University Hospitals

PV 01 - Poster Viewing Q&A - Session 1

Presenter, "SU_23_3142 - Comparative Effectiveness of SBRT and Standard Fractionated Radiation While Treating Early Stage Non-Small Cell Lung Cancer (NSCLC) Patients"

1:15 PM – 2:30 PM, ASTRO Innovation Hub

Shauna Campbell, DO, Cleveland Clinic

PV 01 - Poster Viewing Q&A - Session 1

Presenter, "SU_15_3079 - Partial Transmission Kidney Blocks to Reduce Radiation Nephropathy in Patients Receiving Myeloablative Total Body Irradiation"

1:15 PM – 2:30 PM, ASTRO Innovation Hub

Saarang Deshpande, BS, Case Western Reserve University, University Hospitals

PV 01 - Poster Viewing Q&A - Session 1

Presenter, "SU_24_3154 - Predictors of Radiation Pneumonitis after Lung SBRT for Early Stage Non Small Cell Lung Cancer (NSCLC)"

Presenter, "SU_24_3155 - LINAC SBRT Delivered with VMAT May Be Associated with Improved Local Control for T1-T2 Non-Small Cell Lung Cancer: A Longitudinal Clinical Experience"

1:15 PM – 2:30 PM, ASTRO Innovation Hub

Presenters and Moderators – Sunday, September 15 cont'd

Christopher Fleming, MD, Cleveland Clinic

PV 01 - Poster Viewing Q&A - Session 1

Presenter, "SU_20_3115 - Outcomes after SBRT for Inoperable Early Stage Lung Cancers Arising in Organ Transplant Patients"

1:15 PM – 2:30 PM, ASTRO Innovation Hub

Michael Kharouta, MD, MS, BS, University Hospitals

PV 01 - Poster Viewing Q&A - Session 1

Presenter, "SU_26_3180 - Use of Surgery and Stereotactic Body Radiotherapy (SBRT) In Very Elderly Patients with Early Stage Non-Small Cell Lung Cancer (NSCLC): A National Cancer Database (NCDB) Analysis"

1:15 PM – 2:30 PM, ASTRO Innovation Hub

Janice Lyons, MD, University Hospitals

SS 02 - Breast 1 - Fractionation and Clinical Outcomes

Session Moderator

1:15 PM – 2:30 PM, W178

Johnathan Sharrett, DO, Cleveland Clinic

PV 01 - Poster Viewing Q&A - Session 1

Presenter, "SU_16_3086 - Treatment Outcomes and Patterns of Failure in High Grade Lymphoma of the Thyroid Following Combined Modality Therapy: Single Institution Series"

1:15 PM – 2:30 PM, ASTRO Innovation Hub

Aronne Schottstaedt, MS, Case Western Reserve University

PV 01 - Poster Viewing Q&A - Session 1

Presenter, "SU_8_2072 - The Stay on Track Pilot - Effects of Nutrition and Exercise During Radiation Therapy on Breast Cancer Prognostic Indicators"

1:15 PM – 2:30 PM, ASTRO Innovation Hub

Sarah Sittenfeld, MD, Cleveland Clinic

PV 01 - Poster Viewing Q&A - Session 1

Presenter, "SU_2_2015 - Ten Year Outcomes of Locoregional and Distant Recurrence for T1-2N1 Breast Cancer With or Without Post-Mastectomy Radiotherapy"

1:15 PM – 2:30 PM, ASTRO Innovation Hub

Weili Wang, MD, PhD, Case Western Reserve University

PV 01 - Poster Viewing Q&A - Session 1

Presenter, "SU_34_3264 - The Effect of Thoracic Radiation Therapy on Overall Survival in SCLC: Findings from the National Cancer Database"

1:15 PM – 2:30 PM, ASTRO Innovation Hub

Presenters and Moderators – Sunday, September 15 cont'd

Erin Murphy, MD, Cleveland Clinic

SS 03 - CNS 1 - Brain Metastases

Presenter, “20 - Prospective Phase I Dose Escalation Study for Neoadjuvant Radiosurgery for Large Brain Metastases”

1:25 PM - 1:35 PM, W196

Eleanor Harris, MD, FASTRO, University Hospitals

MTE 2 - Meet The Expert Eleanor Harris, MD, FASTRO - Breast - Sunday

2:45 PM – 3:15 PM, Exhibit Halls F1 and F2 – Booth 3245

Suzanne Mary Russo, MD, University Hospitals

MO 03 - GI 1 - Esophagogastric Cancers

Session Moderator

4:45 PM – 6:00 PM, W178

Rahul Tendulkar, MD, Cleveland Clinic

ARRO MTP Reception - ARRO Meet the Professor Reception

4:45 PM – 5:15 PM, W193

Posters Presented by Collaborators – Sunday, September 15

**PV 01 - Poster Viewing Q&A - Session 1
1:15 PM – 2:30 PM, ASTRO Innovation Hub**

SU_3_2024 - Technical Perspective on Novel Accelerated Partial Breast Irradiation Technique Delivered With IMRT and Online Image Guidance

SU_3_2025 - Initial Outcomes with an Image- Guided Five Fraction Accelerated Partial Breast Irradiation Regimen Delivered with IMRT

SU_10_2095 - Improvement in Cardiac Dosimetry by Optimizing Heart-Sparing Breast Radiotherapy

Presenters and Discussant – Monday, September 16

Martin Tom, MD, Cleveland Clinic

MO 05 - CNS 2 - Central Nervous System

Presenter, “1060 - Malignant Transformation of Adult Low Grade Glioma: Risk Factors and Outcomes in the Molecular Era”

8:40 AM – 8:45 AM, W178

Bryan J. Traughber, MD, Case Western Reserve University, University Hospitals
AngioDynamics IET

Presenter, “Groundbreaking Advancements in Real time, In-Vivo Dosimetry”

10:15 AM – 11:15 AM, Theater 2, Innovation Hub

Presenters and Discussant – Monday, September 16 cont'd

James Broughman, MD, BS, Cleveland Clinic

PV 02 - Poster Viewing Q&A - Session 2

MO_31_2946 - Patient Selection for De-Escalated Radiotherapy for Early-stage HPV+ Oropharynx Cancer Can be Improved by Considering Smoking Cessation: A Multi-Institution Analysis"

10:45 AM – 12:00 PM, ASTRO Innovation Hub

Hesham Elhalawani, MD, MS, Cleveland Clinic

PV 02 - Poster Viewing Q&A - Session 2

Presenter, "MO_21_2832 - Impact of Human Papillomavirus Infection And Tobacco Exposure On Oropharyngeal Squamous Cell Carcinoma Biology From A Radiomics Perspective"

Presenter, "MO_32_2956 - Tobacco Exposure As a Major Modifier of Oncologic Outcomes in Human Papillomavirus Mediated Oropharyngeal Squamous Cell Carcinoma"

10:45 AM – 12:00 PM, ASTRO Innovation Hub

Christopher Fleming, MD, Cleveland Clinic

PV 02 - Poster Viewing Q&A - Session 2

Presenter, "MO_32_2957 - Pre-Treatment Factors Predictive of Distant Recurrence after Definitive Treatment of HPV Associated Oropharyngeal Cancers"

Presenter, "MO_32_2958 - Factors Predictive of Overall Survival in Metastatic HPV+ Oropharyngeal Cancer: A Multi-Institutional Study"

10:45 AM – 12:00 PM, ASTRO Innovation Hub

Deborah Park, BS, Cleveland Clinic

PV 02 - Poster Viewing Q&A - Session 2

Presenter, "MO_10_2238 - Quality of Life following Concurrent Radiotherapy and Temozolomide for Adult Patients with Low Grade Glioma"

10:45 AM – 12:00 PM, ASTRO Innovation Hub

Shireen Parsai, MD, Cleveland Clinic

PV 02 - Poster Viewing Q&A - Session 2

Presenter, "MO_48_3889 - Early Outcomes of Preoperative 5-fraction Radiation Therapy for Soft Tissue Sarcoma with Immediate Resection"

10:45 AM – 12:00 PM, ASTRO Innovation Hub

George Qiao-Guan, BS, Case Western Reserve University

PV 02 - Poster Viewing Q&A - Session 2

Presenter, "MO_6_2195 - Dose Escalation for Larger Brain Metastases: A Phase I Study"

10:45 AM – 12:00 PM, ASTRO Innovation Hub

Jonathan Sharrett, DO, Cleveland Clinic

PV 02 - Poster Viewing Q&A - Session 2

Presenter, "MO_36_2993 - Factors Associated with Recurrence and Death in Patients with Aggressive Tall Cell Papillary Thyroid Cancer: A Large, Single Institution Series"

Presenter, "MO_36_2994 - Gender Differences in Clinical Presentation and Treatment Outcomes in Aggressive Tall Cell Papillary Thyroid Carcinoma in A Large, Single Institution Experience"

Cancer Center members indicated in **BOLD**

10:45 AM – 12:00 PM, ASTRO Innovation Hub

Presenters and Discussant – Monday, September 16 cont'd

Stephen Shamp, MD, University Hospitals

PV 02 - Poster Viewing Q&A - Session 2

Presenter, “MO_46_3868 - Radiation Therapy Is Associated with Improved Overall Survival in Non-Metastatic Merkel Cell Carcinoma: A Surveillance, Epidemiology and End Results (SEER) Analysis”

10:45 AM – 12:00 PM, ASTRO Innovation Hub

Ping Xia, PhD, Cleveland Clinic

PV 02 - Poster Viewing Q&A - Session 2

Presenter, “MO_42_3437 - Using Automatic Plan Consistency Check (APCC) to Reduce Errors in Treatment Plans”

10:45 AM – 12:00 PM, ASTRO Innovation Hub

Min Yao, MD, PhD, FASTRO, Cleveland Clinic

PV 02 - Poster Viewing Q&A - Session 2

Presenter, “MO_25_2885 - A Pilot Study Using Intraoperative Placement of Cesium-131 Permanent Interstitial Brachytherapy in Resectable High Risk Recurrent Head and Neck Cancer”

10:45 AM – 12:00 PM, ASTRO Innovation Hub

Kailin Yang, MD, PhD, Cleveland Clinic

PV 02 - Poster Viewing Q&A - Session 2

Presenter, “MO_30_2936 - Adjuvant Radiation for Pathological N1 Patients with Oral Cavity Squamous Cell Carcinoma after Adequate Neck Dissection”

10:45 AM – 12:00 PM, ASTRO Innovation Hub

Shauna Campbell, DO, Cleveland Clinic

SS 13 - GU 2 - Prostate Post-op, Prognostic Factors and High Risk

Presenter, “78 - Impact of Post-Prostatectomy Prostate Specific Antigen (PSA) Kinetics on Outcomes of Salvage Radiotherapy”

10:55 AM – 11:14 AM, W183

Rahul Tendulkar, MD, Cleveland Clinic

SS 13 - GU 2 - Prostate Post-op, Prognostic Factors and High Risk

Discussant

11:45 AM – 11:55 AM, W183

Erin Murphy, MD, Cleveland Clinic

MTE 10 - Meet The Expert Martin Tom, MD and Erin Murphy, MD - Central Nervous System - Monday

12:30 PM – 1:00 PM, Exhibit Halls F1 and F2 – Booth 3205

Martin Tom, MD, Cleveland Clinic

MTE 10 - Meet The Expert Martin Tom, MD and Erin Murphy, MD - Central Nervous System - Monday

12:30 PM – 1:00 PM, Exhibit Halls F1 and F2 – Booth 3205

Presenters and Discussant – Monday, September 16 cont'd

Jacob Scott, MD, PhD, Cleveland Clinic

MO 09 - Biology 3 - Innovative Approaches to Improve Therapeutic Response

Presenter, "1112 - Quantifying Inefficiencies in Empiric Radiation Dosing: The Clinical Cost of Ignoring Biological Heterogeneity"

5:15 PM – 5:20 PM, W176

Presentations by Collaborators – Monday, September 16

**PV 02 - Poster Viewing Q&A - Session 2
10:45 AM – 12:00 PM, ASTRO Innovation Hub**

MO_29_2924 - Influence of Treatment Package Time on Outcomes in High-Risk Oral Cavity Carcinoma in Patients receiving Adjuvant Radiation and Concurrent Systemic Therapy: A Multi-Institutional Collaborative Study

**SS 13 - GU 2 - Prostate Post-op, Prognostic Factors and High Risk
11:25 AM – 11:35 AM, W183**

81 - Radical Prostatectomy, External Beam Radiotherapy, or External Beam Radiotherapy With Brachytherapy Boost: Comparison of Outcomes in A Multi-Institutional Analysis of 4,086 Patients with High-Risk Prostate Cancer

Speakers, Presenters and Moderators – Tuesday, September 17

Nikhil Joshi, MD, Cleveland Clinic

SS 18 - Head and Neck 1 - Novel Approaches in Oropharynx Cancer

Session Moderator

8:00 AM – 9:00 AM, W190

Sudha Amarnath, MD, Cleveland Clinic

Workshop 05 - Young Physicians' Session

Session Moderator

1:00 PM – 2:15 PM, W186

William Grubb, MD, University Hospitals

PV 03 - Poster Viewing Q&A - Session 3

Presenter, "TU_40_3780 - Dosimetric Analysis of a Longitudinal Clinical Experience Using Robotic Radiosurgery and LINAC-based SBRT with VMAT for Early-Stage Non-Small Cell Lung Cancer (ES-NSCLC)"

1:00 PM – 2:15 PM, ASTRO Innovation Hub

Speakers, Presenters and Moderators – Tuesday, September 17 cont'd

Bingqi Guo, PhD, Cleveland Clinic

PV 03 - Poster Viewing Q&A - Session 3

Presenter, "TU_35_3729 - Incidence and Dosimetric Impact of Minor and Observer Contouring Errors for Head and Neck"

Presenter, "TU_37_3748 - Monitoring Intra-Fraction Prostate Motion Using Kv Triggered Imaging during SBRT"

1:00 PM – 2:15 PM, ASTRO Innovation Hub

Maxwell Lee, BS, Cleveland Clinic

PV 03 - Poster Viewing Q&A - Session 3

Presenter, "TU_14_3311 - Fractionated Spine Stereotactic Body Radiotherapy for Treatment of Primary and Metastatic Sarcoma"

1:00 PM – 2:15 PM, ASTRO Innovation Hub

Geoffrey Sedor, MS, BS, Case Western Reserve University

PV 03 - Poster Viewing Q&A - Session 3

Presenter, "TU_46_3861 - Classification of Radiosensitivity Index by Gaussian Mixture Modelling to Inform Radiotherapy Dose and Discover Disease Subclassifications"

Presenter, "TU_46_3862 - A Generalizable Competing Hazards Model of Radiation Associated Outcome Assuming Biological Heterogeneity"

1:00 PM – 2:15 PM, ASTRO Innovation Hub

Keying Xu, PhD, University Hospitals

PV 03 - Poster Viewing Q&A - Session 3

Presenter, "TU_43_3812 - Consequence of Patient Motion during Lung SBRT While Treating with Flattening-Filter Free (FFF) Beams or Flattened Beams (FB)"

1:00 PM – 2:15 PM, ASTRO Innovation Hub

Shireen Parsai, MD, Cleveland Clinic

MO 13 - Pediatric 1

Presenter, "1153 - Site SBRT for Pediatric, Adolescent, and Young Adult Patients with Metastatic Sarcoma: Early Outcomes and Safety Data"

1:20 PM – 1:25 PM, W179

Jay Ciezki, MD, Cleveland Clinic

PV 04 - Poster Viewing Q&A - Session 4

Presenter, "TU_26_2623 - A Comparison between External Beam Radiotherapy and Low Dose-Rate Brachytherapy for Definitive Treatment of Gleason 9&10 (ISUP 5) Prostate Cancer"

2:45 PM – 4:00 PM, ASTRO Innovation Hub

Christopher Fleming, MD, Cleveland Clinic

PV 04 - Poster Viewing Q&A - Session 4

Presenter, "TU_14_2503 - Downstaging of Hepatocellular Carcinoma Outside Milan Criteria Using SBRT"

2:45 PM – 4:00 PM, ASTRO Innovation Hub

Speakers, Presenters and Moderators – Tuesday, September 17 cont'd

John Greskovich, MD, MBA, Cleveland Clinic Florida

PV 04 - Poster Viewing Q&A - Session 4

Presenter, "TU_6_2421 - Low Rates of Endoesophageal HDR Brachytherapy Toxicity: Long Term Results of a 3-Tube Technique in De Novo and Recurrent, Stage I, Non-surgical Patients"

2:45 PM – 4:00 PM, ASTRO Innovation Hub

Michael Kharouta, MD, MS, BS, University Hospitals

PV 04 - Poster Viewing Q&A - Session 4

Presenter, "TU_45_2809 - Efficacy of Chemoradiation and Patterns of Practice in the Treatment of Locally Advanced Endometrial Stromal Sarcoma: An NCDB Population-Based Study"

2:45 PM – 4:00 PM, ASTRO Innovation Hub

Tarun Podder, PhD, University Hospitals

PV 04 - Poster Viewing Q&A - Session 4

Presenter, "TU_33_2694 - Overall Survival and Radiation Treatment Modality for Low-risk and Intermediate-risk Prostate Cancer: Analysis of a Hospital-based Big Database"

2:45 PM – 4:00 PM, ASTRO Innovation Hub

Timothy Smile, MD, Cleveland Clinic

PV 04 - Poster Viewing Q&A - Session 4

Presenter, "TU_34_2704 - Evaluating the 2018 NCCN Classification System for Intermediate-risk Prostate Cancer Patients Undergoing External-beam Radiation Therapy"

Presenter, "TU_34_2704 - Evaluating the 2018 NCCN Classification System for Intermediate-risk Prostate Cancer Patients Undergoing External-beam Radiation Therapy"

2:45 PM – 4:00 PM, ASTRO Innovation Hub

Martin Tom, MD, Cleveland Clinic

PV 04 - Poster Viewing Q&A - Session 4

Presenter, "TU_35_2709 - Impact of Cribriform Pattern 4 and Intraductal Carcinoma on Gleason 7 Prostate Cancer Treated with External Beam Radiotherapy"

Presenter, "TU_35_2710 - Validation of the 2018 NCCN Prostate Cancer Risk Classification among 2,715 Patients Treated with Low Dose Rate I-125 Brachytherapy"

2:45 PM – 4:00 PM, ASTRO Innovation Hub

Maxwell Lee, BS, Cleveland Clinic

SS 26 – Palliative 2

Presenter, "153 - A Volumetric Dosimetry Analysis of Vertebral Body Fracture Risk after Spine Stereotactic Radiosurgery"

3:35 PM – 3:45 PM, W192

Kailin Yang, MD, PhD, Cleveland Clinic

SS 27 - Biology 6 - Experimental Therapeutics and Target Discovery

Presenter, "156 - Targeting Metabolic Reprogramming to Radiosensitize Glioblastoma Stem Cells"

5:05 PM – 5:15 PM, W194

Posters Presented by Collaborators – Monday, September 16

**PV 04 - Poster Viewing Q&A - Session 4
2:45 PM – 4:00 PM, ASTRO Innovation Hub**

TU_30_2664 - Clinical Outcomes among Patients with Radiorecurrent Gleason Grade Group 5 Prostate Cancer: Impact of Initial Treatment Strategy

Presenters and Moderators – Wednesday, September 18

Mohamed Abazeed, MD, PhD, Cleveland Clinic

MO 19 - Biology 7 - Normal Tissues

Presenter, “1236 - The Radiogenomic Atlas: Systematic Charting of Genetic Variants That Determine Sensitivity to Radiation”

8:45 AM – 8:50 AM, W192

Hesham Elhalawani, MD, MS, Cleveland Clinic

MO 21 - Physics 9-Imaging for Response Assessment

Presenter, “1250 - Longitudinal and Dose Dependent Analysis on White Matter Injury in Glioblastoma Radiation Therapy”

11:25 AM – 11:30 AM, W179

Mohamed Abazeed, MD, PhD, Cleveland Clinic

SS 33 - Physics 10 - Machine Learning for Planning and Segmentation

Presenter, “195 - An Image-Based Framework for Individualizing Radiotherapy Dose”

12:15 PM – 12:25 PM, W185

Jennifer Dorth, MD, University Hospitals

SS 37 - GI 3 - Anorectal Cancers

Session Moderator

1:15 PM – 2:30 PM, W190

Ping Xia, PhD, Cleveland Clinic

MO 22 - Physics 11-Hardware Technologies and Treatment Delivery

Session Moderator

1:15 PM – 2:30 PM, W175