

2023 American Society of Radiation Oncology (ASTRO) Annual Meeting

October 1–4 • San Diego Convention Center • San Diego, CA

Presentations from MD Anderson Cancer Center

MDAnderson.org/ASTRO

Booth 2325

THE UNIVERSITY OF TEXAS

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MD Anderson Cancer Center at #ASTRO23

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- Network with our faculty through our Meet the Experts program
- Learn about education and training opportunities
- Explore career opportunities, including faculty positions
- Reconnect through our Alumni Portal
- Enjoy a barista-crafted coffee

Learn more, including the full Meet the Experts schedule, by visiting MDAnderson.org/ASTRO.



Missed a session? See our live coverage of #ASTRO23 on @MDAndersonNews.

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SESSION KEY

AARO

Association of Residents in
Radiation Oncology

ED

Education Session

Master Class

Master Class

PL

Plenary Session

PQA

Poster Question & Answer Session

PRO

Practical Radiation Oncology Session

QP

Quick Pitch Session

SS

Scientific Session

ST

Storytelling



Awards and Achievements

2023 Class of Fellows of the American Society for Radiation Oncology Inductee

Kristy Brock, Ph.D.

ASTRO-AAPM Physics Resident/Post-Doctoral Fellow Seed Grant Recipient

Brigid McDonald, Ph.D.

Project – In vivo validation of apparent diffusion coefficient as a quantitative imaging biomarker for MR-guided adaptive radiation therapy for head and neck squamous cell carcinoma

Annual Meeting Travel Award in Biology

Benjamin Schrank, M.D., Ph.D.

Abstract 304 – Listeriolysin O Drives Innate and Adaptive Immune Responses to CD47 Immunotherapy

Chike Abana, M.D., Ph.D.

Abstract 112 – Subacute Cutaneous Toxicity with Single-Fraction Electron FLASH RT in Yorkshire Swine

Program

All times are in Pacific Time. Information up to date as of August 21, 2023.
To see the full program, visit [ASTRO.org/AnnualMeeting](https://www.astroradonc.org/AnnualMeeting).

SATURDAY, SEPTEMBER 30

9:30-10:45 a.m. • Room 33

PRO 02 – PRO: The Who, What and How of Sarcoma

9:47-10:02 a.m. Multidisciplinary Management of Sarcoma
Andrew Bishop, M.D.

1:00-2:15 p.m. • Room 33

PRO 04 – PRO: Updates in Lung Cancer Management

1:02-1:22 p.m. Current Management of Stage III Non-Small Cell Lung Cancer
Saumil Gandhi, M.D., Ph.D.

1:00-3:00 p.m. • Room 31

Master Class 04 – Master Class: Advanced Quantitative Imaging Techniques for Personalized Radiotherapy and Lung Toxicity Avoidance (Ticketed Session)

1:30-1:40 p.m. Development of “Personalized Radiotherapy” Techniques Through the Incorporation of Novel Imaging Methodologies
Clifton Fuller, M.D., Ph.D.

1:30-3:00 p.m. • Room 20 D/E

Master Class 02 – Master Class: Safety is No Accident—Building Inclusive Cultures

Moderators: Benjamin Schrank, M.D., Ph.D. and Rehema Thomas, M.D.

2:15-3:30 p.m. • Room 33

PRO 05 – PRO: Reirradiation for Prostate, Central Nervous System and Head and Neck Cancers

2:37-2:57 p.m. Reirradiation in Primary and Metastatic Central Nervous System Malignancy
Susan McGovern, M.D., Ph.D.

SUNDAY, OCTOBER 1

8:00-9:00 a.m. • Room 6 D/E

EDU 02 – The Role for Consolidative Local Therapy in Stage IV Non-Small Cell Lung Cancer for Oligometastases and Beyond: How Are We Improving Outcomes for Patients?

- 8:00-8:02 a.m. Introductions
Quynh-Nhu Nguyen, M.D.
- 8:02-8:17 a.m. The Role for Surgery in Stage IV Non-Small Cell Lung Cancer: Moving the Needle for Operable Disease and Difficult Cases
Mara Antonoff, M.D.
- 8:32-8:47 a.m. Stage IV Non-Small Cell Lung Cancer: Which Patients with Actionable Mutations Survive Longer and Should Be Approached and Treated with More Curative Intent?
Carl Gay, M.D., Ph.D.

8:00-9:00 a.m. • Room 5

SS 02 – GYN 1: Integrating the Next Wave of Biomarkers for Future Gynecologic Clinical Trials

- 8:20-8:27 a.m. Abstract 107 – HPV Circulating Cell-Free DNA Kinetics in Cervical Cancer Patients Undergoing Definitive Chemoradiation
Aaron Seo, M.D., Ph.D.

8:00-9:00 a.m. • Room 32

SS 03 – Bio 1: Normal Tissue Injury and Dose Rate Effects

- 8:20-8:27 a.m. Abstract 112 – Subacute Cutaneous Toxicity with Single-Fraction Electron FLASH RT in Yorkshire Swine
Chike Abana, M.D., Ph.D.

11:00 a.m.-2:30 p.m. • Room 7

2023 Aspiring Scientists and Physicians Program for Underrepresented Populations

- 11:41-11:52 a.m. Career Pathways Panel
Julianne Pollard-Larkin, Ph.D.

4:45-6:00 p.m. • Hall B2

PQA 01 – Poster Q&A 01: Lung Cancer and DEI/H

Abstract 2009 – Potentiating Local and Abscopal Antitumor Efficacy through Radiation with FAP-CD40 DARPIn and Anti-PD1 Therapy

Thomas Riad

Abstract 2119 – Comorbidities and Their Impact on Treatment Tolerance and Outcome in Elderly Non-Small Cell Lung Cancer Patients Treated with Concurrent Chemoradiation Using Proton or Photon Followed by Immunotherapy

Yuki Sasaki, M.D., Ph.D.

Abstract 2122 – Sexual Orientation and Gender Identity Data Collection: Opportunities to Advance Best Clinical Practices for LGBTQ+ Patients in Radiation Oncology

Benjamin Schrank, M.D., Ph.D.

Abstract 2160 – Dose Constraints and Planning Considerations for Thoracic Radiation Therapy: Delphi Consensus from a National Survey of Experts

Julius Weng, M.D.

4:45-6:00 p.m. • Room 6 D/E

Panel 03 – Let’s Talk About It: Sexual Health after Pelvic Radiation

5:07-5:27 p.m. Female Sexual (dys)Function after Pelvic RT

Emma Holliday, M.D.

4:45-6:00 p.m. • Room 1

SS 04 – Predicting the Unpredictable in Esophageal Cancer and Keeping Pancreatic Stereotactic Body Radiation Therapy on the Map

4:55-5:02 p.m. Abstract 116 – Prospective Trial of Using Imaging to Predict Pathologic Response and Clinical Outcomes in Locally Advanced Esophageal Cancer

Yufei Liu, M.D., Ph.D.

4:45-6:00 p.m. | Room 2

EDU 05 – ASTRO/IRLOG Joint Session: When Every Centigray Counts—Expert Panelists on Approaching and Optimizing the Most Challenging Lymphoma Plans

Moderator: Jillian Gunther, M.D., Ph.D.

5:07-5:27 p.m. Challenging Dosimetric Cases in Mediastinal Lymphomas

Bouthaina Dabaja, M.D., FASTRO

MONDAY, OCTOBER 2

10:30 a.m.-12:00 p.m. • Room 31

EDU 09 – Developing as an Early Career Physician

10:56-11:02 a.m. Practice Building for the Early Career Radiation Oncologist
Chelain Goodman, M.D., Ph.D.

10:45-11:45 a.m. • Room 7

QP 05 – H&N 1: Optimizing Patient-Centered Quality of Life and Function

11:05-11:10 a.m. Abstract 1054 – Natural History and Clinical/Dosimetric Determinants of Osteoradionecrosis in a Large Cohort of Head and Neck Cancer Following Curative Radiotherapy: Debunking the Myth of Decreased Rates of Osteoradi
Abdallah Mohamed, M.D., Ph.D.

10:45 a.m.-12:00 p.m. • Room 2

ST 02 – Storytelling: Narrative Medicine and the Practice of Crafting Stories

11:14-11:23 a.m. Materializing Mourning: Reading and Writing about Grief
Subha Perni, M.D.

11:32-11:41 a.m. Poetry Is to Emotion as Math Is to Numbers: Harnessing Poetry to Process Experiences
Gohar Manzar, M.D., Ph.D.

10:45 a.m.-12:00 p.m. • Hall B2

PQA 02 – Poster Q&A 02: Central Nervous System and Palliative Care

Abstract 2209 – Frameless Fractionated Linear Accelerator-Based Stereotactic Radiotherapy for Brain Metastases: Results of a Single-Arm Phase II Multi-Institutional Clinical Trial
Stephen Chun, M.D.

Abstract 2214 – Stratifying Response to Stereotactic Radiosurgery for Spinal Metastases by Primary Site Genomic Mutations
Ethan Damron

Abstract 2293 – Phase II Trial of Definitive Therapy for Osseous Oligometastases in Breast Cancer
Kathryn Marqueen, M.D.

Abstract 2342 – MD Anderson Phase III Randomized Preoperative Stereotactic Radiosurgery (SRS) vs. Postoperative SRS for Brain Metastases Trial
Debra Yeboa, M.D.

10:45 a.m.-12:00 p.m. • Room 30 A/B/C

SS 10 – Phys 2: Best of Physics

11:05-11:12 a.m. Abstract 153 – Assessment of Dynamic Contrast Enhanced MRI for Detection of Radiotherapy Induced Alteration in Mandibular Vasculature
Moamen Abobakr, M.D.

1:30-3:00 p.m. • Ballroom 20

PL 01 – Plenary Session

Discussant: Debra Yeboa, M.D.

3:00-4:00 p.m. • Room 6 D/E

SS 11 – GU 3: Novel Prognostication Techniques for Prostate Cancer

3:00-3:07 p.m. Abstract 157 – Peripheral T-Cell Priming and Micrometastatic Disease Control with Metastasis-Directed Therapy: Multidimensional Immunogenomic Profiling of Oligometastatic Prostate Cancer in the EXTEND Trial
Alexander Sherry, M.D.

3:00-4:00 p.m. • Room 31

SS 13 – GYN 2: Improving Patient Centered Outcomes Through Clinical Trials in Gynecological Cancers

Moderator: Melissa Joyner, M.D.

3:00-4:00 p.m. • Hall B2

PQA 03 – Poster Q&A 03: Breast Cancer and Nonmalignant Disease

Abstract 2382 – Prospective Clinical Trial of Premastectomy Radiotherapy Followed by Immediate Breast Reconstruction for Operable Breast Cancer
Karen Hoffman, M.D., ASTRO

3:00-4:00 p.m. • Room 6 C/F

Panel 11 – Oligometastatic Prostate Cancer: How Far Do We Go?

3:25-3:36 p.m. Oligometastatic Prostate Cancer: Case Discussion
Chad Tang, M.D.

3:00-4:00 p.m. • Room 3

SS 13 – GYN 2: Improving Patient Centered Outcomes Through Clinical Trials in Gynecological Cancers

Moderator: Melissa Joyner, M.D.

4:00-5:00 p.m. • Hall B2-G

Exhibit Hall Networking Reception

Visit MD Anderson at booth 2325 to meet our experts, including MD Anderson President Dr. Peter Pisters and Division Head of Radiation Oncology Dr. Albert Koong.

5:00-6:00 p.m. • Room 6 D/E

Panel 13 – Automatic Segmentation in Radiation Oncology

5:02-5:17 p.m. Clinical Implementation of Auto Segmentation
Jinzhong Yang, Ph.D.

5:00-6:00 p.m. • Hall B2

PQA 04 – Poster Q&A 04: Biology and PRO

Abstract 2557 – A Novel Glutaminase 1 Inhibitor (IACS-6274) Radiosensitizes Mutant KEAP1 Lung Cancer Models to Photons and Protons
Gabriel Sawakuchi, Ph.D.

5:00-6:00 p.m. • Room 6 C/F

SS 15 – Breast 2: Toxicity

Moderator: Melissa Mitchell, M.D., Ph.D.

5:00-6:00 p.m. • Room 1

SS 16 – Phys 4: Motion Monitoring and Deep Learning

Moderator: Kristy Brock, Ph.D., FASTRO

5:00-6:00 p.m. • Room 31

SS 17 – HEME 1: Supercharged CAR T Cell Therapy—When, Where, and How Hard to Strike with Radiation for Lymphomas

5:40-5:47 p.m. Abstract 195 – Characterization of Lymphopenia During Bridging Radiation Therapy prior to CAR T Cell Therapy in Patients with Aggressive B Cell Lymphomas
Gohar Manzar, M.D., Ph.D.

TUESDAY, OCTOBER 3

8:00-9:00 a.m. • Room 29

Panel 15 – Multidisciplinary Patient-Based Approach to Challenging Situations with Cervix Cancer

Moderator: Lilie Lin, M.D.

8:00-8:02 a.m. Introductions
Lilie Lin, M.D.

8:00-9:00 a.m. • Room 2

SS 18 – DHI 2

Moderator: Kristy Brock, Ph.D., FASTRO

12:45-1:45 p.m. • Room 7

QP 09 – GYN 3: Harnessing New Trends in Gynecological Cancers

12:50-12:55 p.m. Abstract 1084 – Bacterial Composition and Diversity in the Cervical Tumor Microbiome are Closely Associated with HPV Genotype in a Large, International Patient Cohort
Molly Blue El Alam

12:45-2:00 p.m. • Hall B2

PQA 05 – Poster Q&A 05: Gastrointestinal Cancer and Sarcoma

Abstract 2612 – Long-Term Outcomes and Toxicity in Esophageal Cancer Patients after Neoadjuvant or Definitive Concurrent Chemotherapy with Proton Beam Therapy
Chike Abana, M.D., Ph.D.

Abstract 2638 – Salvage Abdominoperineal Resection for Locally Recurrent or Persistent Anal Squamous Cell Carcinoma after Definitive Chemoradiation
Ethan Damron

Abstract 2653 – Spine Stereotactic Radiosurgery for Primary and Metastatic Osteosarcoma
Adam Grippin, M.D., Ph.D.

Abstract 2709 – Outcomes and after Hyperfractionated, Accelerated Reirradiation for Recurrent Anal Squamous Cell Carcinoma
Jordan McDonald, M.D.

Abstract 2712 – Adjuvant Radiation Therapy Improves Local Control in the Treatment of Adnexal Carcinoma
Devarati Mitra, M.D., Ph.D.

Abstract 2726 – Assessment of the Spatial Bio-Distribution of NBTXR3 for Locally Advanced or Borderline-Resectable Pancreatic Ductal Adenocarcinoma Patients Undergoing Radiation Therapy

Luis Perles, Ph.D.

Abstract 2744 – Enhancement Patterns of Metastatic Intrahepatic Cholangiocarcinoma and Outcomes after Chemotherapy and Radiation

Fikir Tadesse

Abstract 2772 – Evaluating the Utility of Traditional Bowel Dose Constraints When Treating Abdominal and Pelvic Sarcomas with Preoperative Radiation Therapy

Alison Yoder, M.D.

12:45-2:00 p.m. • Room 8

QP 10 – PEDS 1: Novel Methods of Enhancing the Therapeutic Ratio

1:00-1:05 p.m. Abstract 1100 – Association Between Radiation Dose and Local Failure in Recurrent High-Risk Neuroblastoma

Christopher Weil, M.D.

2:30-3:30 p.m. • Room 7

QP 11 – Breast 3

2:45-2:50 p.m. Abstract 1112 – Addition of Metastasis-Directed Therapy to Standard of Care Systemic Therapy for Oligometastatic Breast Cancer (EXTEND): A Multicenter, Randomized Phase II Trial

Jay Paul Reddy, M.D., Ph.D.

2:30-3:45 p.m. • Room 32

EDU 27 – ASTRO Workforce Study: Final Results and Steps Forward

2:56-3:08 p.m. Panel (Chairs/Program Director/Community Oncologist)

Chelsea Pinnix, M.D., Ph.D.

4:00-5:00 p.m. • Room 8

QP 12 – Bio 6: Tumor and Radiation Biology

Moderator: Cullen Taniguchi, M.D., Ph.D.

4:00-5:00 p.m. • Hall B2

PQA 07 – Poster Q&A 07: Hematologic Malignancies and Digital Health Innovation

Abstract 3000 – Outcomes and Toxicities in Patients with Diffuse Large B-Cell Lymphoma of the Gastrointestinal Tract
Elaine Cha, M.D.

Abstract 3019 – Multimodality Deep Learning Fusion Methods for Predicting Mandibular Osteoradionecrosis Incidence
Laia Humbert-Vidan, Ph.D.

Abstract 3054 – Outcomes with Bridging Radiation Therapy Prior to CAR-T Cell Therapy in Pts with Aggressive B Cell Lymphomas
Michael Rooney, M.D.

Abstract 3061 – Dorsal Column Myelopathy Following Intrathecal Chemotherapy for Leukemia
Benjamin Schrank, M.D., Ph.D.

Abstract 3062 – Radiation Oncology Practice Changes During the COVID-19 Pandemic
Aaron Seo, M.D., Ph.D.

Abstract 3074 – Ultra Low-Dose Radiation for Extranodal Marginal Zone Lymphoma of the Lung
Susan Wu, M.D.

4:00-5:00 p.m. • Room 5

QP 15 – Sarcoma 1: Radiotherapy Evolution, Prognostication and Outcomes in Soft Tissue Sarcoma

4:30-4:35 p.m. Abstract 1166 – Outcomes for Patients with Head and Neck Sarcoma Treated Curatively with Radiation Therapy and Surgery
Alison Yoder, M.D.

5:15-6:15 p.m. • Room 30 A/B/C

EDU 33 – ASTRO/IRLOG Joint Session: Multiple Myeloma—Novel Drugs, Longer Survival and the Rapidly Expanding Roles for Radiation Therapy

5:17-5:32 p.m. Case 1: Lower or Higher? Is There an Optimal Dose and What Should Guide It? (Pure Palliation versus Solitary Plasmacytoma)
Penny Fang, M.D.

5:15-6:15 p.m. • Room 29

EDU 34 – Challenging Cases in Palliative Care

5:32-5:47 p.m. Management Options for Leptomeningeal Disease
Subha Pemi, M.D.

12:45-2:00 p.m. • Room 29

SS 22 – Phys 6: Biomarkers and Response Assessment

2:45-12:52 p.m. Abstract 224 – Intravoxel Incoherent Motion (IVIM) Magnetic Resonance Imaging (MRI) for Assessment of Treatment Response in Pancreatic Cancer
Lucas McCullum

5:15-6:15 p.m. • Room 6 D/E

EDU 36 – Emerging Biomarkers and Multidisciplinary Techniques to Improve Outcomes in Small Cell Lung Cancer

5:47-6:02 p.m. PCI and Emerging Biomarkers in Small Cell Lung Cancer
Stephen Chun, M.D.

5:15-6:15 p.m. • Hall B2

PQA 08 – Poster Q&A 08: Gynecological Cancer, Pediatric Cancer and Professional Development

Abstract 3098 – Predictors of Poor Treatment Experience in Cervical Cancer Patients Receiving Definitive Chemoradiation and Brachytherapy Boost: A Prospective Study
Lauren Andring, M.D.

Abstract 3144 – ChatGPT is an Unreliable Tool for Reviewing Radiation Oncology Literature
Troy Kleber, M.D.

Abstract 3153 – Changes in the Abundances of Cervical and Rectal Mycobiota during Chemoradiotherapy in Cervical Cancer
Daniel Lin

Abstract 3220 – Protocol in a Day: An Educational Institutional Workshop for Protocol Development
Adriana Cavazos

WEDNESDAY, OCTOBER 4

8:00-9:00 a.m. • Room 8

QP 19 – Heme 3: Every Organ, Every Target, All at Once— Modernizing Total Body Irradiation

8:20-8:25 a.m. Abstract 1212 – Irradiated Extramedullary Acute Myeloid Leukemia Increases Survival in a Leukemic Mouse Model
Francisco Saenz, Ph.D.

8:00-9:00 a.m. • Room 30 A/B/C

EDU 39 – Microbiome to Phageome: Clinical and Biological Impact on Precision Radiation

8:17-8:32 a.m. Microbiome Predictors of Tumor Response to Radiation
Ann Klopp, M.D., Ph.D.

8:00-9:00 a.m. • Room 1

EDU 42 – Advancing Our Multi-Disciplinary Understanding of the Cardiovascular Considerations with Radiation Therapy

8:02-8:14 a.m. Advances in Radiation Dosimetry Modeling to Define the Late Cardiac Effects of Survivors of Childhood Cancer
Rebecca Howell, Ph.D.

8:00-9:00 a.m. • Room 33

SS 29 – CNS 2: Innovative Therapies in Gliomas

Moderator: Martin Tom, M.D.

9:15-10:15 a.m. • Ballroom 20

CB 01 – Cancer Breakthroughs

9:45-10:15 a.m. *Kristy Brock, Ph.D., FASTRO*

10:30-11:30 a.m. • Room 5

SS 30 – Phys 10: Autocontouring and Clinical Outcomes

10:40-10:47 a.m. Abstract 270 – New Data-Driven Gated PET/CT for Radiation Treatment Planning of Non-Small Cell Lung Cancer
Tinsu Pan, Ph.D.

10:30-11:30 a.m. • Room 4

SS 31 – HSR 3: Costs of Care—From Patient to Policy

Moderator: Grace Smith, M.D., Ph.D.

10:30-10:37 a.m. Abstract 275 – Patient-Level Savings Using the Mark Cuban Cost Plus Drugs Company for Radiation Oncology Patients
Ramez Kouzy, M.D.

10:30-11:30 a.m. • Room 8

QP 21 – Bio 8: Innate Immunity and Tumor Immune Microenvironment

10:55-11:00 a.m. Abstract 1238 – Radiation Therapy Sensitizes Head and Neck Cancer Cells to Killing by Chimeric Antigen Receptor (CAR) NK Cells Targeting CD70
Gohar Manzar, M.D., Ph.D.

10:30-11:45 a.m. • Hall B2

PQA 09 – Poster Q&A 09: Head and Neck Cancer and Health Services Research

Abstract 3267 – Definitive Radiotherapy for Oligometastatic and Oligoprogessive Thyroid Cancer
Stephanie Dudzinski, M.D., Ph.D.

Abstract 3284 – Long-Term Outcomes of Stereotactic Body Radiation Therapy With or Without PD-1 Inhibitors in Metastatic Nasopharyngeal Carcinoma
Jinlan He, M.D.

Abstract 3295 – Disease Control and Toxicity Outcomes after Intraoperative HDR Brachytherapy for Neck Recurrences in Patients Previously Irradiated Head and Neck Cancer
Julia Khrguian, M.D.

Abstract 3372 – Patient Impressions of Telemedicine in Radiation Oncology
Wasif Talpur, M.D.

Abstract 3378 – Deep Learning Based Prognostic Prediction in Oropharyngeal Cancer Patients Using Multiparametric MRI Inputs
Kareem Wahid, Ph.D.

10:30-11:45 a.m. • Room 1

SS 32 – GU 5: Patient-Reported Quality of Life in Prostate Cancer

11:30-11:40 a.m. *Discussant: Karen Hoffman, M.D., ASTRO*

12:30-1:30 p.m. • Room 1

SS 34 – H&N 4: Augmenting the Potential of Radiation Therapy with Novel Therapeutics and Imaging

Moderator: Anna Lee, M.D.

12:30-1:45 p.m. • Room 2

SS 35 – Biology 9: Experimental Therapeutics and Target Discovery

1:30-1:37 p.m. Abstract 304 – Listeriolysin O Drives Innate and Adaptive Immune Responses to CD47 Immunotherapy
Benjamin Schrank, M.D., Ph.D.

12:30-1:45 p.m. • Room 4

SS 36 – Pains and Gains in Rectal and Liver Cancer: The Long and Short of It

1:10-1:17 p.m. Abstract 309 – Phase I Trial of SPECT-Guided Liver-Directed Ablative Radiotherapy for Patients with Low Functional Liver Volume
Enoch Chang, M.D.

12:30-1:45 p.m. • Hall B2

PQA 10 – Poster Q&A 10: Physics

Abstract 3393 – Feasibility and Clinical Implementation of Electron FLASH Radiation Therapy in the Yorkshire Swine Model
Chike Abana, M.D., Ph.D.

Abstract 3453 – Longitudinal Monitoring of Quantitative Imaging Kinetics of Primary Tumor and Nodal Volumes Using the MR-Linac Device in Head and Neck Cancer Patients
Dina El-Habashy, M.D.

Abstract 3460 – Statistical Analysis to Determine the Predictors of Liver Segmental Hypertrophy Observed Post-Radiotherapy
Kristy Brock, Ph.D., FASTRO

Abstract 3468 – Real-Time Spinal Cord Motion Tracking for MR-guided Spine Stereotactic Body Radiation Therapy (A Pilot Study)
Eun Young Han, Ph.D.

Abstract 3606 – Proton Based Stereotactic Radiotherapy for Skull Base Patients: Dosimetric Comparison to 4 Modern Radiation Treatment Modalities
He Catherine Wang, Ph.D.

Association of Residents in Radiation Oncology Sessions

SATURDAY, SEPTEMBER 30

10:00 a.m.-5:00 p.m. • Room 29

Association of Residents in Radiation Oncology Annual Seminar

- 10:00-10:05 a.m. Opening Remarks by the ARRO Executive Committee
Kelsey Corrigan, M.D.
- 12:37-12:38 p.m. Mixtroz Mentorship Meet & Greet
Chelain Goodman, M.D., Ph.D.
- 12:38-12:39 p.m. Mixtroz Mentorship Meet & Greet
Emma Holliday, M.D.
- 12:51-12:52 p.m. Mixtroz Mentorship Meet & Greet
Bruce Minsky, M.D., FASTRO
- 1:33-1:44 p.m. Radiation Oncologists as Leaders: Career Paths Beyond the Field
Welela Tereffe, M.D.
- 3:04-3:08 p.m. Job Panel - Academic
Kelsey Corrigan, M.D.

1:00-5:00 p.m. • Room 32

ARRO 03 – 2023 ASTRO-ARRO Medical Student Workshop

- 4:17-4:15 p.m. Panel: Transitioning into Rad Onc Residency
Stephanie Dudzinski, M.D., Ph.D.
- 4:30-5:00 p.m. Mentorship
Clifton Fuller, M.D., Ph.D.

Accelerating Clinical Breakthroughs with State-of-the-Art Resources

At MD Anderson, some of the best minds in the world work in partnership with our patients to enable groundbreaking research to better prevent and treat cancer. Leveraging unparalleled resources, our researchers have the freedom and support to follow a hypothesis and to test new theories that yield breakthroughs that transform the field, the lives of patients and society.

Brachytherapy

CT-on-Rails–based brachytherapy suite
High dose rate unit
Low dose rate unit, including I-125,
Pd-103, Cs-131, GammaTile, eye plaque
Pulse dose rate unit (4)
Ultrasounds (3)

Proton Therapy

C-RAD (2)
Passive-scattering proton rooms (3)
Pencil beam scanning
Expanding in fall 2023: Pencil beam
scanning with CBCT and
fluroscopic-based gating (4)

SBRT/SABR

Brainlab IGRT system (2)
TrueBeam STx system (3 with ExacTrac,
2 with C-Rad)
Varian 2100 with CT-on-Rails (2)

IGRT

Truebeams (6 with Vision RT, 7 with C-RAD,
1 with ExacTrac)
Elekta Versa (2)
Vision RT SGRT system (4)

IORT

High dose rate unit

MR-LINAC

Unity MR-Linac

Gamma Knife

Gamma Knife Icon (2)

Simulation

CT simulators large bore 4DCT (10)
MR Simulators 1.5T and 3T (2)

FLASH Experimental Technology

Electron FLASH unit (3)
Converted X-ray tube
FLASH proton beam



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