

Curriculum Vitae

PRANSHU MOHINDRA, MD, MBBS
Associate Professor, Department of Radiation Oncology
University of Maryland School of Medicine

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Contact Information

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Foreign Language: Hindi (native)

Education

1997-2003 MBBS, Dr D Y Patil Medical College, Mumbai, India
2004-2007 MD, Tata Memorial Hospital, Mumbai, India

Post-Graduate Education and Training

2002-2003 Internship, Dr D Y Patil Medical College, India
2004-2007 Residency, Radiation Oncology, Tata Memorial Hospital, India
2006-2007 Professional Diploma in Clinical Research, Catalyst Clinical Services Pvt. Ltd., India
2007-2008 Fellow, Radiation Oncology, Tata Memorial Hospital, India
2009-2009 Global Academic Research Associate, University of Texas MD Anderson Cancer Center, USA
2009-2010 Clinical Fellow, Radiation Oncology, Radiation Medicine, Princess Margaret Hospital, Canada
2010-2014 Residency, Radiation Oncology, University of Wisconsin Hospital and Clinics, USA
2013- 2014 Chief Resident, Radiation Oncology, University of Wisconsin Hospital and Clinics, USA

Certifications

2003 M.B.B.S, University of Mumbai, India
2008 M.D. (Radiotherapy), University of Mumbai, India
2015 DABR[®], American Board of Radiology- Radiation Oncology

Medical Licensures

2003 Active, India (MBBS)
2009 Active, India (MD)
2009 Inactive, Canada
2011 Inactive, Wisconsin
2014 Active, Maryland

Employment

Academic Appointments

2014-2019 Assistant Professor, Radiation Oncology, University of Maryland School of Medicine (UMSOM)
2015-present Member, Program in Oncology, UMSOM
2019-present Associate Professor, Radiation Oncology, University of Maryland School of Medicine (UMSOM)

Professional Society Membership

2005-present Life Member, Association of Radiation Oncologists of India
2006-2014 Member-in-training, American Society for Radiation Oncology (ASTRO)
2010-2014 Member-in-training, Radiological Society of North America (RSNA)
2010-2014 Member-in-training, American College of Radiology (ACR)

2010-2014	Member-in-training, American College of Radiation Oncology (ACRO)
2011-2014	Member-in-training, American Society of Clinical Oncology (ASCO)
2012-2014	Associate Member, American Association for Cancer Research (AACR)
2014-2015	Full Member, Radiation Research Society (RRS)
2014-2015	Affiliate Member, ASTRO
2015-present	Active Member, ASTRO
2015-present	Full Member, International Association for the Study of Lung Cancer (IASLC)
2015-2018	Full Member, ACRO
2016-present	Full Member, American Brachytherapy Society (ABS)
2019-present	Active Member, American Radium Society

Honors and Awards

2005	Best Poster, ESTRO International Symposium: ESTRO / TMH Evidence Based Medicine, Mumbai
2006	All-India First Rank: Professional Diploma in Clinical Research, Catalyst Clinical Services Pvt. Ltd., India
2007	Winner, Quiz: National Conference of Indian Cooperative Oncology Network (ICON), India
2007	Best thesis award: ICON, India
2008	Travel Grant: UICC World Cancer Congress
2012	Fellowship Grant: AACR/ASCO Workshop on Methods in Clinical Cancer Research
2014	Travel Grant: ASTRO Spring Refresher Course
2014	Research Award: RSNA Roentgen Resident/Fellow
2014	Resident Digital Poster Discussion Award: ASTRO (Biology Category)
2014	Career Development Award: Selection for the NCI's Experimental Therapeutics Clinical Trials Network Project Team Member (VX-970 Brain Metastases multi-institutional Phase-I clinical trial- Protocol # 9952)
2016	Research Abstract as Senior Author selected for 2016 Best of ASTRO meeting
2017	Mentor Recognition Award- Transformational Impact: Medical Student Research Day, UMSOM
2018	Selection for Dean's Pilot Scientific Leadership Program, UMSOM

Clinical Activities

Board Certified Radiation Oncologist, UMSOM, Department of Radiation Oncology:

Clinical expertise: Specialist in the use of advanced radiation modalities including intensity modulated radiotherapy (IMRT)/volumetric modulated arc therapy (VMAT), stereotactic body radiotherapy (SBRT), LINAC-based stereotactic radiosurgery (SRS), proton beam therapy/pencil beam scanning intensity modulated proton therapy (IMPT), Image-guided gynecological brachytherapy and intraluminal bronchial brachytherapy.

Scope of Clinical practice:

Primary practice: UMMC

Secondary practice: Maryland Proton Treatment Center (MPTC)

Total time in clinical duties: FY14: 40%, FY15 onwards: 80%

Patient load FY18: Total External Beam Radiation Therapy Deliveries- 1837, Brachytherapy treatments- 85, Direct Patient Encounters- 914

Responsibility within practice:

Radiation oncologist specializing in Lung/thoracic malignancies, gynecological cancers, hemato-lymphoid malignancies

Lead 2017 update of Clinical Practice Guidelines for hemato-lymphoid malignancies and contributor for gynecological and thoracic malignancies

Development of any Clinical Programs and Innovative Techniques:

2014 UMMC: Development of a MRI-guided brachytherapy program for cervical cancer

2017 UMMC: Development of High dose-rate (HDR) Endobronchial brachytherapy program for patients with post-transplant bronchial stenosis

2017 MPTC: Expansion of the use of proton beam therapy with pencil beam scanning/ intensity modulated proton therapy for gynecological, thoracic and hematolymphoid malignancies

Administrative Service***Institutional Service- University of Wisconsin Hospital and Clinics, Madison***

- 2013- 2014 Medical Student Clerkship evaluation (Radiation Oncology clerkship)
 2013- 2014 Peer-nominated member, Resident Quality and Safety Council,

Departmental Service- UMSOM, Department of Radiation Oncology

- 2016-present Director of Research Internships
 ** Oversee the activities of all research-related internships that span more than 30 days, work with applicants and match their interests with the research activities of our faculty, as well as mentor these students toward publications/presentations resulting from this work. In 2017 and 2018, a total of 10 undergraduates, students and residents have benefited from this program which includes 3 Medical student summer intern awards, 2 Graduation awards and 2 research awards.
- 2018-present Lead, Scope of Practice, Policy and Procedure Management Workgroup of Quality and Safety Review Council
 ** Develop SOP for various departmental clinical activities and establish uniform procedures system-wise.
- 2018-present Member, Inter-Departmental Radiation Oncology Network (IRON)
 ** Contributed in review of electronic variance forms, inter-departmental transfer process and new employee orientation tool.
- 2018-present Director of Billing and Compliance
 ** Oversee clinical billing and compliance at UMMC, MPTC and all community sites.

Institutional Service- UMSOM

- 2016-present Member, Human Use Sub-Committee
 2015-2017 Ad hoc Member Clinical Research Committee (CRC), University of Maryland Greenebaum Cancer Center, Baltimore
 2017-present GCRC Advisory Committee (GAC) member, University of Maryland Greenebaum Comprehensive Cancer Center (UMGCCC) Baltimore
 2017-present Full member, CRC, UMGCCC
 2018-2019 UMSOM Council
 2019-present FPI Compliance Committee

Regional Community Service- UMSOM

- 2018-present Board of Directors, Ulman Cancer Fund for Young Adults

National Service

- 2012-2015 Association of Residents in Radiation Oncology (ARRO) Education Subcommittee
 2013-2016 Committee Member, Funding Advocacy and Clinical Trials Committee [FACT] [formerly NIH Clinical Trials Committee], ASTRO
 2015-present Committee Member, Symptom Intervention Committee, Alliance for Clinical Trials in Oncology
 2015-2016 Appointed member, ACR Radiation Oncology In-Training (TXIT™) Exam-2016, Thoracic section
 2016 Appointed member, ACR Radiation Oncology TXIT™ Exam-2016 Lymphoma and Gynecology section
 2016-present Committee Member, Radiation Oncology Committee, Alliance for Clinical Trials in Oncology
 2016-present Committee Member, Leukemia Committee, Alliance for Clinical Trials in Oncology
 2016-present Committee Member, NCI Brain Metastases Working Group
 2016-present Committee Member, Workforce Subcommittee, ASTRO
 2016-present Committee Member, Research Grants Evaluation Subcommittee, ASTRO
 2017-present Board of Directors, Alliance for Clinical Trials in Oncology
 2017-present Section chair, ACR Radiation Oncology TXIT™ Exam-Thoracic section
 2017-present Committee Member, Respiratory Committee, Alliance for Clinical Trials in Oncology
 2017-present Committee Member, International Committee, ABS
 2017-present Co-Chair, International Observership Task Group, ABS
 2018-present Committee Member, Cancer in the Older Adult, Alliance for Clinical Trials in Oncology

2018-present Committee Member, International Community Outreach Education Task Group, ABS
 2019-present Vice-Chair, International Committee, ABS
 2019-present Committee Member, Payer Relation Committee, ASTRO

International Service

2018-2019 Advanced Radiation Technology Committee, IASLC
 2019-present Education Committee, IASLC

Reviewer Service

Departmental Service- University of Wisconsin School of Medicine and Public Health, Dept. of Radiation Oncology

2013- 2014 Medical Student Clerkship evaluation (Radiation Oncology clerkship)
 2013 Residency Interview Selection Committee

Departmental Service- UMSOM, Dept. of Radiation Oncology

2014-present Residency Interview Screening Committee
 2014-present Radiation Oncology Faculty Candidate Interview
 2016-present Residency Interview Committee
 2016-present Dosimetry Student Interview Selection Committee
 2016-present Technology Research Review Committee (TRRC)

Institutional Service- UMSOM

2014 Judge (Poster Presentation), Medical Student Research Day
 2014 Nephrology Faculty Candidate Interview
 2017-present Interventional Pulmonology Fellowship Candidate Interview
 2017 Judge (Poster Presentation), Medical Student Research Day

National Service

2012- 2014 Radiation Oncology panel, Education Exhibits Committee for RSNA Annual Meeting, 1 panel/year
 2012-present *Ad Hoc* Reviewer, *Diseases of the Esophagus*, 0-1/year
 2014-present *Ad Hoc* Reviewer, *Radiographics*, 0-1/year
 2014-present *Ad Hoc* Reviewer, *International Journal of Radiation Oncology Biology Physics*, 1-2/year
 2015-present *Ad hoc* reviewer, *Lung Cancer*, 1/year
 2016-present *Ad Hoc* Reviewer, *Frontiers in Oncology*, 0-1/year
 2017 Abstract Reviewer, 2017 Multidisciplinary Thoracic Cancers Symposium, San Francisco
 2017 Moderator, News Briefing: Treatment Considerations for Focused Populations, 2017 Multidisciplinary Thoracic Cancers Symposium, San Francisco
 2017 Abstract Reviewer and Session Moderator, Miscellaneous Proffered Papers, 2017 Annual Meeting, ABS, Boston
 2017-present *Ad Hoc* Reviewer, *Brachytherapy*, 1/year
 2017-present Grant Review, ASTRO Resident Seed Grant, 5-7 grant applications/year
 2017-present *Ad Hoc* Reviewer, *Clinical Lung Cancer*, 1/year
 2017 Guest editor for an upcoming focused issue on "Advances in Radiation Oncology for Thoracic Malignancies" in *The Journal of Thoracic Disease*, a quarterly published journal indexed in pubmed and distributed worldwide.
 2018-present *Ad Hoc* Reviewer, *Advances in Radiation Oncology*, 1-2/year
 2018-2019 Abstract Reviewer, ASTRO Annual Meeting Abstract Review- Biology Track
 2018 Session Moderator, ASTRO Annual Meeting Abstract Review- Biology Track
 2019 Abstract Reviewer and Session Moderator, 2019 Annual Meeting, ABS, Miami
 2019-present *Ad Hoc* Reviewer, *Critical Reviews in Oncology/Hematology*, 1/year
 2019-present *Ad Hoc* Reviewer, *Cancer Causes & Control*, 1/year
 2019-present *Ad Hoc* Reviewer, *The British Journal of Radiology*, 1/year

International Service

- 2016 Dutch Cancer Society (KWF) and Dutch Technology Foundation (STW): Partnership Research Programme-Technology in Oncology, Reviewer of Grant Proposal
- 2019 Cancer Research UK: Clinical Research Committee - Biomarker Project Award, Reviewer of Grant Proposal.

Teaching Service***Under-graduate Student Teaching***

- 2011- 2013 *Ad Hoc* Lecturer: Radiation therapy students
University of Wisconsin Hospital and Clinic, Department of Radiation Oncology
4-5 students per year- 6 lecture hours total, Topic: Breast cancer and Testicular Cancer

Medical Student Teaching

- 2013 Institutional Co-investigator and *Ad Hoc* Lecturer: Structured didactic radiation oncology curriculum for medical students at the University of Wisconsin Hospital and Clinic, Department of Radiation Oncology, 3-4 students per year
- 2017-present OSR Summer Research Program's seminar series, UMSOM, Annual, 50-60 medical students (PRISM and SPORT Programs) and undergraduates (UM Scholars and Greenebaum/Nathan Schnaper Interns)
- 2017-present Medical Student Elective Course Director, Department of Radiation Oncology, UMSOM
** Oversee radiation oncology elective rotation for UMSOM and external medical students, including end-of-rotation assessments.

Resident Teaching

- 2014- present Radiation Oncology Resident Education, UMSOM, Baltimore
Resident on service: 4-6 residents per year, 2-3 months/resident
- 2014-present Small group teaching: Radiation Oncology Resident Conferences, UMSOM, Baltimore
All residents (10-12)
Participate in weekly educational sessions, didactic presentations, new patient consult rounds and treatment planning rounds
- 2016 Radiation Oncology Didactic Lecture Series, UMSOM, 2 talks
All Residents, nurse practitioners and Radiation Oncology faculty

Fellow Teaching

- 2017- present Hematology/Oncology Fellows, UMSOM, Annual, 8-10 fellows
- 2016-present Gyn-Oncology Resident/Fellows Grand round presentation, UMSOM, Every two years (next due 2018), 15-20 residents/fellows

Practicing Radiation Oncologist Teaching

- 2015-present University of Maryland Thoracic Symposium,
** Attended by practicing MDs, residents/fellows, nurse practitioners, allied health professionals
- 2017 University of Maryland "Best of 2017" Symposium- Gynecology
** Attended by practicing MDs, residents/fellows, nurse practitioners, allied health professionals
- 2018-2019 Course Co-Director, First Annual University of Maryland Mock Orals Course in Radiation Oncology
**Planned the educational curriculum for this 2-day event involving a series of site-wise mock oral interviews for the candidates followed by a half-day series of didactics reviewing disease-sites examined in the American Board of Radiology, Radiation Oncology oral boards
Attended by 17 radiation oncologists due to take the certification examination
- 2018-present Lead, gynecology site, First Annual University of Maryland Mock Orals Course in Radiation Oncology
** Developed mock cases and delivered the didactic session

- 2019 Invited Faculty, GYN Workshop I: Applicator Selection and Placement, American Brachytherapy Society Annual Meeting 2019; Miami.
 ** A practical hands-on session on use of brachytherapy applicators

Mentoring Service

Medical Student Research

- 2012 Vatsal Patel, MS-3, University of Connecticut, M.D./M.B.A. candidate,
5 hours per week, Total- 40 contact hours
- 2012 Jonathan Pagan MS-4, UAMS College of Medicine,
5 hours per week, Total- 10 contact hours
- 2013-2014 Stephanie Rice MS4, University of Wisconsin School of Medicine,
2 hours per week, Total- 48 contact hours
- 2014 Jill Remick, MS4, George Washington University School of Medicine, Washington DC,
5 hours per week, Total- 5 contact hours
- 2015-2016 Jalal Hyder, MS5, Touro College of Osteopathic Medicine, NY
2 hours per week, Total- 16 contact hours
- 2017-2018 Jiun Yiing Hu, MS-1, UMSOM
2 hours per week, Total- 48 contact hours
- 2018-2019 Ilaria Caturegli, MS-1, UMSOM
1 hours per week, Total- 12 contact hours
- 2018 Muhammad Hamza, MS-1, UMSOM
UMSOM- 2018 Radiation Oncology Summer Fellow
2 hours per week, Total- 8 contact hours
- 2019 Dahlia Kronfi, MS-1, UMSOM
UMSOM- 2019 Radiation Oncology Summer Fellow
1-2 hours per week, Total- 10 contact hours
- 2019 Philip Damron, MS-1, UMSOM
UMSOM- 2019 Radiation Oncology Summer Fellow
2 hours per week, Total- 8 contact hours

Resident Research

- 2015-2016 Neha Bhooshan, PgY5, UMMC
1 hour per week, Total- 48 contact hours
- 2015 Jolinta Lin, PgY5, UMMC
1 hour per week, Total- 20 contact hours
- 2015-2019 Melissa Vyfhuis, MD, PhD, PgY3, UMMC
1 hour per week, Total- 72 contact hours
- 2017-2018 Tejan Diwanji, MD, PgY4, UMMC
1 hour per week, Total- 24 contact hours
- 2017-2018 Jason Molitoris, MD, PgY4, UMMC
1 hour per week, Total- 8 contact hours
- 2017-2019 Stephanie Rice, MD, PgY3, UMMC
1 hour per week, Total- 36 contact hours
- 2019-present Santanu Samanta, MD, PgY2, UMMC
1 hour per week, Total- 20 contact hours
- 2019-present Ali Saeed, MD, PgY3, UMMC
1 hour per week, Total- 16 contact hours

Post-doc fellow Research

- 2015 Francis Murigi, PhD
1 hour per week, Total- 8 contact hours

Mentee Awards

2014	Stephanie Rice, MS4, University of Wisconsin School of Medicine: Clinical Case Contest Winner, Applied Radiation Oncology Role: Senior Author
2017	Jiun Yiing Hu, MS-1, UMSOM: 2017 Alpha Omega Alpha (AOA), Carolyn Kuckein Fellowship Competition, 2017 Radiation Oncology Summer Fellowship Award Role: Faculty mentor
2018	Muhammad Hamza, MS-1, UMSOM: 2018 Radiation Oncology Summer Fellowship Award Role: Faculty mentor
2017	Melissa Vyfhuis, MD, PhD, UMSOM: Research manuscript selected for Radiation Oncology Institute (ROI) Excellence Award, ROI, Arlington, VA and Department of Radiation Oncology, UMSOM Annual Award Role: Senior Author
2019	Dahlia Kronfli, MS-1, UMSOM: 2019 Radiation Oncology Summer Fellowship Award and 2019 Travel Fellowship Award, 33 rd Annual Meeting, Association for Minority Physicians, Naples, Florida. Role: Faculty mentor
2019	Philip Damron, MS-1, UMSOM: 2019 Radiation Oncology Summer Fellowship Award Role: Faculty mentor

Grant Support

--ACTIVE

R01CA169102 Sawant (PI) 0.4 CME 8/19/2016-7/31/21

NIH/NCI \$460,647

Investigating Radiation-Induced Injury to Airways and Pulmonary Vasculature in Lung SABR

The major goals are to investigate toxicity to airways and pulmonary vessels during lung SBRT and develop treatment-planning strategies that avoid excessive dose to these structures in order to preserve post-SABR lung function.

Role: Co-Investigator

Phase I/Phase II Clinical Study 0.12 CME 2/20/2018-2/19/2020

Humanetics Inc \$ 122,750

BIO 300 Oral Suspension in Patients Receiving Chemoradiation Therapy for Non-Small Cell Lung Cancer

The major goals are to investigate safety and efficacy of Bio300 in combination with standard chemoradiation for non-small cell lung cancer.

--PENDING

Multi PI: Carrier/ Mohindra 0.24 CME 7/1/2020-6/30/2023

Leukemia Lymphoma Society

Inducing Synthetic Lethality in Mantle Cells Lymphoma

The major goals are to investigate impact of low-dose radiation in Mantle Cell Lymphoma.

RO1 Multi PI: Sawant/ Gullapalli 1.2 CME 07/01/2020 – 06/30/2025

NIH/NCI

Personalized Motion Management for truly 4D Lung Radiotherapy

The major goals are to investigate novel motion management strategies for thoracic radiotherapy.

Role: Co-Investigator

--COMPLETED

R&D Seed grant, Harari (PI) 0.0 CME 2013-2014

University of Wisconsin Department of Radiation Oncology \$8,725

Assessment of Human Papillomavirus (HPV) Status in Archived Tissue from Oropharyngeal Cancer Biopsies

Role: Co-I/ Study Chair

R&D Seed grant, Bentzen (PI) 0.0 CME 2015-2016

University of Wisconsin Department of Radiation Oncology \$15,885
SEER-Medicare database analysis
 Role: Co-I

Department of Radiation Oncology Seed grant Mohindra (PI) 0.0 CME 2015-2016
 University of Maryland, Baltimore \$10,764
Pediococcus-based Probiotics: A Murine Model to Assess Prevention and Mitigation of Radiation Induced Intestinal Toxicity (RiIT)
 Role: Mentor for Radiation Oncology Resident (Lin), supervised project.

IRB approved prospective clinical protocols

ACTIVE ROLE- INSTITUTIONAL, UMSOM:

- 2017-present (Institutional PI) Title: NRG LU001 Randomized Phase II Trial of Concurrent Chemoradiotherapy +/- Metformin HCL in Locally Advanced NSCLC
- 2017-present (Institutional PI) Title: NRG CC001 A Randomized Phase III Trial of Memantine and Whole-Brain Radiotherapy With or Without Hippocampal Avoidance in Patients With Brain Metastases
- 2017-present (Institutional PI) Title: NRG CC003 Randomized Phase II/III Trial of Prophylactic Cranial Irradiation With or Without Hippocampal Avoidance for Small Cell Lung Cancer
- 2018-present (Institutional PI and Study Champion-Alliance for Clinical Trials in Oncology) Title: NRG LU002 Maintenance Systemic Therapy Versus Consolidative Stereotactic Body Radiation Therapy (SBRT) Plus Maintenance Systemic Therapy for Limited Metastatic Non-Small Cell Lung Cancer (NSCLC): A Randomized Phase II/III Trial

ACTIVE ROLE- NATIONAL:

- 2016-present (National PI) Experimental Therapeutics Clinical Trials Network (ETCTN) study- Title: # 9952 Phase 1 Trial to Determine the Recommended Phase 2 Dose (RP2D) of VX-970 When Combined with Whole Brain Radiotherapy (WBRT) in Patients with Brain Metastases from Non-Small Cell Lung Cancer (NSCLC)
 Project Team Member- Career Development Award
 Status: Ongoing
- 2016-present (National PI) ETCTN study- Title: # 9979 Phase 1 and Pharmacology Study of Oral 5-iodo-2-pyrimidinone-2-deoxyribose (IPdR) as a Prodrug for IUdR-Mediated Tumor Radiosensitization in Brain Metastases
 Status: Ongoing
- 2017-present (Radiation Oncology Co-chair) Alliance for Clinical Trials in Oncology study- Title: ALLIANCE A041501A Phase III Trial to Evaluate the Efficacy of the Addition of Inotuzumab Ozogamicin (A Conjugated Anti-Cd22 Monoclonal Antibody) to Frontline Therapy in Young Adults (Ages 18-39 Years) with Newly Diagnosed Precursor B-Cell ALL
 Status: Undergoing CTEP review.
- 2018-present (Study Champion) Alliance for Clinical Trials in Oncology study- Title: NRG LU002 Maintenance Systemic Therapy Versus Consolidative Stereotactic Body Radiation Therapy (SBRT) Plus Maintenance Systemic Therapy for Limited Metastatic Non-Small Cell Lung Cancer (NSCLC): A Randomized Phase II/III Trial
 Status: Ongoing

COMPLETED:

- 2005-2007 Tata Memorial Centre, Mumbai, India, University of Mumbai, India
 Title: Low dose Total Body Irradiation in cases of Low Grade Non-Hodgkin's Lymphoma: Response evaluation & Immunological-Radiobiological assessment of mechanism.
 Role: MD Dissertation

- 2013-2014 (Co-I) University of Wisconsin Hospital and Clinics, Madison, WI, USA,
Title: A Phase II Study of the Efficacy of Pulse Reduced Dose-Rate (PRDR) Radiation Therapy with Bevacizumab for Represent High-Grade Gliomas.
- 2013-2014 (Co-PI) University of Wisconsin Hospital and Clinics, Madison, WI, USA,
Title: A phase Ia-b dose-escalation study evaluating safety and efficacy of neoadjuvant stereotactic body radiotherapy (SBRT) with concomitant capecitabine-based chemotherapy for resectable carcinoma of the exocrine pancreas.
- 2013-2014 (Co-I) University of Wisconsin Hospital and Clinics, Madison, WI, USA,
Title: Development of a multi-institutional introductory structured didactic radiation oncology curriculum for medical students pursuing a career in radiation oncology.
Multi-institutional study, Primary sponsor: University of Chicago.

Publications

Peer-reviewed journal articles

1. Mishra S, Laskar S, Muckaden MA, **Mohindra P**, Shrivastava SK, Dinshaw KA. Monthly palliative pelvic radiotherapy in advanced carcinoma of uterine cervix. *Journal of Cancer Research & Therapeutics*. 2005 Oct; 1(4):208-212. PMID: 17998655.
Role: Contributed in data collection, manuscript review
2. Basu A, Patil N, **Mohindra P**, Zade B, Muckaden MA, Laskar S. Isolated Pancreatic Non-Hodgkin's Lymphoma; a rare presentation. *Journal of Cancer Research & Therapeutics*. 2007 Oct; 3(4):236-239. PMID: 18270400.
Role: Contributed in planning and writing of manuscript
3. Gupta T, Phurailatpam R, Mishra A, Pai R, **Mohindra P**, Chopra S. Quality Assurance and Commissioning of an Infrared Marker-Based Patient Positioning System for Frameless Extracranial Stereotactic Radiotherapy. *International Journal of Biomedical Science*. 2007 Dec; 3(4):298-301. PMID: 23675057.
Role: Contributed in data collection, manuscript review
4. * **Mohindra P**, Zade B, Basu A, Patil N, Seethalakshmi V, Bakshi A, Muckaden MA, Laskar S. Primary PNET of Maxilla: An Unusual Presentation. *Journal of Pediatric Hematology/ Oncology*. 2008 Jun;30(6):474-477. PMID: 18525469
Role: Primary contributor of literature review, manuscript preparation
5. Laskar S, **Mohindra P**, Gupta S, Shet T, Muckaden M. A. Non-Hodgkin's Lymphoma of the Waldeyer's ring: Clinicopathologic and Therapeutic issues. *Leukemia and Lymphoma*. 2008 Dec, 49(12):2263-71. PMID: 19052973.
Role: Primary contributor of literature review, manuscript planning and writing
6. Laskar SG, Agarwal JP, **Mohindra P**, Sengar M, Vyas S, Pai VR, Budrukkar A, Pai P, D'Cruz AK, Dinshaw KA. Ifosfamide based Chemotherapy in Loco-Regionally Advanced Nasopharyngeal Cancer: Evaluation of its Role as Neo-Adjuvant Chemotherapy. *Medical Oncology*. 2009 Dec;26(4):393-401. PMID: 19048419
Role: Primary contributor of data collection, analysis, manuscript preparation
7. * **Mohindra P**, Sinha RN, Andrews RJ, Khuntia D. Non-Cytotoxic Radiosensitizers in Brain Radiotherapy: Journey till the First Decade of this Millennium. *Present Cancer Drug Targets*. 2012 Mar;12(3):260-78. PMID: 22268387.
Role: Primary contributor of literature review, manuscript preparation
8. * **Mohindra P**, Neuman HB, Kozak K. Role of radiation therapy in retroperitoneal sarcoma. *Present Treatment Options in Oncology*. 2013 Sep;14(3): 425-441. PMID: 23649911.
Role: Primary contributor of literature review, manuscript preparation
9. * **Mohindra P**, Robins HI, Tomé WA, Hayes L, Howard S. Wide-field pulsed-reduced-dose-rate radiotherapy (PRDR) for represent ependymoma in pediatric and young adult patients. *Anticancer Research*. 2013;33(6):2611-8. PMID: 23749916
Role: Primary contributor of data collection, analysis, literature review, manuscript preparation
10. * **Mohindra P**, Das RK, Anderson B. Surface mold brachytherapy: a means to achieve therapeutic skin irradiation in a case of synchronous bilateral breast cancer with extensive cutaneous involvement. *Applied Radiation Oncology*. 2013 June:25-28.
Role: Primary contributor of literature review, manuscript preparation

11. Hong JC, Kruser TJ, Gondi V, **Mohindra P**, et al. Risk of cerebrovascular events in elderly patients following radiotherapy versus surgery for early-stage glottic cancer. *Status: International Journal of Radiation Oncology * Biology * Physics*. 2013 Oct 1;87(2):290-6. PMID: 23906930
Role: Contributed in data analysis, manuscript review
12. Cannon DM, Mehta MP, Adkison JB, Khuntia D, Traynor AM, Tomé WA, Chappell RJ, Tolakanahalli R, **Mohindra P**, Bentzen SM, Cannon GM. Dose Limiting Toxicity Following Hypofractionated Dose-Escalated Radiotherapy In Non-Small Cell Lung Cancer. *Journal of Clinical Oncology*. 2013 Dec 1;31(34):4343-8. PMID: 24145340
Role: Contributed in data collection, manuscript review
13. Morris ZS, **Mohindra P**, Kruser TJ. Combined chemo-radiation therapy in the treatment of squamous cell carcinoma of the head and neck; an evolving paradigm. *Oncology and Hematology Review (US)*. 2014 January;9(2):109-114.
Role: Contributed extensively in literature review, manuscript preparation
14. Magnuson W, Robins HI, **Mohindra P**, Howard S. Large Volume Reirradiation as Salvage Therapy for Glioblastoma after Progression on Bevacizumab. *Journal of Neuro-oncology*. 2014 Mar;117(1):133-9. PMID: 24469853
Role: Contributed in study planning, data interpretation, data analysis, manuscript preparation
15. Brower J, **Mohindra P**, Golden D, Bradley K. Radiation Oncology Residency Selection: A Targeted Assessment of Factor Importance Among Fourth Year Medical Students. *International Journal of Radiation Oncology * Biology * Physics*. 2014 Mar 15;88(4):967-8. PMID: 24606856
Role: Contributed in data analysis and manuscript preparation
16. Mattes M, Golden D, **Mohindra P**, Kharofa J. Results of the 2013 Association of Residents in Radiation Oncology (ARRO) Career Planning Survey of Practicing Physicians in the United States. *Journal of American College of Radiology*. 2014 Aug;11(8):817-23. PMID: 24709553
Role: Contributed in study planning, data interpretation, manuscript preparation
17. # Rice S., Kozak KR, **Mohindra P**. Scalp angiosarcoma: Discussion of a management plan. *Applied Radiation Oncology*, 2014 Sept, 20-24. Clinical Case Contest Winner.
Role: Medical student mentorship for manuscript preparation, overview for manuscript
18. Cannon DM, **Mohindra P**, Gondi V, Kruser TJ, Kozak KR. Choroid plexus tumor epidemiology and outcomes: implications for surgical and radiotherapeutic management. *Journal of Neuro-oncology*. 2015 Jan;121(1):151-7. PMID: 25270349
Role: Contributed in study planning, data interpretation, manuscript preparation
19. Deorukhkar A, Ahuja N, Mercado AL, Diagaradjane P, Raju U, Patel N, **Mohindra P**, Diep N, Guha S, Krishnan S. Zerumbone increases oxidative stress in a thiol-dependent ROS-independent manner to increase DNA damage and sensitize colorectal cancer cells to radiation. *Cancer Medicine*. 2015 Feb;4(2):278-92. PMID: 25450478
Role: Contributed in experiment data collection
20. Ye JC, **Mohindra P**, Spektor A, Krishnan MS, Chmura SJ, Howard AR, Viswanathan AN, MacDonald SM, Thaker NG, Das P, Mancini BR, Higgins SA, Braunstein S, Haas-Kogan D, Bradley KA, Hung AY, Thomas CR Jr, Kharofa J, Wheatley M, Currey A, Parashar B, Du K, Jimenez RB, Golden DW. Medical Student Perspectives on a Multi-institutional Clerkship Curriculum: A Report From the Radiation Oncology Education Collaborative Study Group. *International Journal of Radiation Oncology * Biology * Physics*. 2015 Jun 1;92(2):217-9. PMID: 25968822
Role: Contributed in study planning, data interpretation, manuscript preparation
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21. **Golden DW**, Spektor A, Krishnan MS, Thaker NG, Mancini BR, Braunstein S, **Mohindra P**, Hung AY, et al. Implementation and Evaluation of a Multi-institutional Radiation Oncology Clerkship Curriculum: A Report From the Radiation Oncology Education Collaborative Study Group. *International Journal of Radiation Oncology * Biology * Physics*. 2014;90(1):Supplement, Page S600. *Poster Presentation-* ASTRO 56th Annual Meeting 2014; San Francisco.
22. **Hyder J**, Bhooshan N, Feliciano J, Vyfhuis M, Lam V, Suntharalingam M, Burrows W, Nichols E, Edelman MJ, Feigenberg S, Cohen EP, Vujaskovic Z, **Mohindra P**. Pathological Response with Angiotensin Converting Enzyme Inhibitor/Angiotensin Receptor Blocker use in Advanced Non-small cell Lung Cancer. *Journal of Thoracic Oncology*. 2015;10(9):Supplement. 2, S549. *Poster presentation-* IASLC 16th World Conference on Lung Cancer; Denver.
23. **Schrenk KA**, Bentzen SM, Lam VK, **Mohindra P**, Nichols EM, Vyfhuis M, Bhooshan N, Feigenberg SJ, Edelman M, Feliciano JL. Neutrophil-Lymphocyte Ratio (NLR) as a Prognostic Marker in Locally Advanced Non-Small Cell Lung Cancer (LANSCLC). *Journal of Thoracic Oncology*. 2015;10(9):Supplement. 2, S596. *Poster presentation-* IASLC 16th World Conference on Lung Cancer; Denver.
24. **Lam VK**, Bentzen SM, **Mohindra P**, Nichols EM, Bhooshan N, Vyfhuis M, Feigenberg SJ, Edelman M, Feliciano JL. Obesity Is Associated with Long-Term Improved Survival in Definitively Treated Locally Advanced Non-Small Cell Lung Cancer (LA-NSCLC). *Journal of Thoracic Oncology*. 2015;10(9):Supplement 2, S451. *Poster presentation-* IASLC 16th World Conference on Lung Cancer; Denver.

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26. **Mohindra P**, Barrow K, Kieta KM, Parker J, De Faria E, Taylor-Howell C, Dobbin T, Gibbs A, Farese AM, MacVittie TJ. Use of Computed Tomography (CT) scan to Assess Efficacy of Mitigators of Radiation-induced Lung Injury (RILI): A Rhesus Macaque Whole Thoracic Lung Irradiation (WTLI) Model. *International Journal of Radiation Oncology * Biology * Physics*. 2015;93(3):Supplement, Page E512. *Poster presentation-* ASTRO 57th Annual Meeting 2015; San Antonio.
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28. Diwanji T, Snider JW, Lin J, Engelman AE, **Mohindra P**, Kwok Y, Mehta M. Volumetric Analysis of the Hippocampus in Long Term (~1 year) Survivors of Whole Brain Radiation Therapy for Brain Metastasis. *International Journal of Radiation Oncology * Biology * Physics*. 2015;93(3):Supplement, Page E69. *Poster presentation-* ASTRO 57th Annual Meeting 2015; San Antonio.
29. Golden DW, Spektor A, Gunther JR, Thaker NG, Braunstein S, Young K, Bernstein S, Hung AY, Brower JV, **Mohindra P**, Mancini BR, Ye JC, Rajagopalan MS, Du KL, Rao YJ, Gibbs JC, Hara WY, Kharofa J, Currey A, Jimenez RB and Radiation Oncology Education Collaborative Study Group. Evaluation of a Multi-institutional Radiation Oncology Clerkship Curriculum: A Report from the Radiation Oncology Education Collaborative Study Group. *International Journal of Radiation Oncology * Biology * Physics*. 2015;93(3):Supplement, Page E376. *Poster presentation-* ASTRO 57th Annual Meeting 2015; San Antonio.
30. Bhooshan N, Edelman MJ, Nichols E, Vyfhius M, Feliciano J, Burrows W, Suntharalingam M, D'Souza W, Vujaskovic Z, Feigenberg S, **Mohindra P**. Does Severe Radiation Pneumonitis (RP) Affect Clinical Outcomes in Non-Operable Stage III Non-Small Cell Lung Cancer (NSCLC) Patients Treated with Carboplatin/Paclitaxel (CP)-based Concurrent Chemoradiation Therapy (CRT)? *International Journal of Radiation Oncology * Biology * Physics*. 2015;93(3):Supplement, Page S151. **Oral Presentation-** ASTRO 57th Annual Meeting 2015; San Antonio.
31. Nichols EM, Bentzen SM, Scartoni D, Giacomelli I, Roque DM, Rao G, Hanna N, **Mohindra P**. National Cancer Data Base Analysis of Uterine Carcinosarcoma (UC): Improvement in Survival With the Use of Radiation Therapy. *International Journal of Radiation Oncology * Biology * Physics*. 2016;96(2):Supplement, Page S49. **Oral Presentation-** ASTRO 58th Annual Meeting 2016; Boston.
32. Diwanji T, Feigenberg SJ, Lin JY, **Mohindra M**, Kwok Y, Mehta MP. Impact of Age on Early Volumetric Changes in Adults with Low-Grade or Benign Intracranial Neoplasms Treated With External Beam Radiation Therapy. *International Journal of Radiation Oncology * Biology * Physics*. 2016;96(2):Supplement, Page E83. *Poster presentation-* ASTRO 58th Annual Meeting 2016; Boston.
33. **Mohindra P**, Bentzen SM, Scartoni D, Giacomelli I, Rao G, Roque DM, Hanna N, Nichols EM. Adjuvant Therapy for Locoregionally Advanced Endometrioid Adenocarcinoma (EA): Upfront Chemotherapy (UC) or Upfront Radiation Therapy (UR)? *International Journal of Radiation Oncology * Biology * Physics*. 2016;96(2):Supplement, Page E289-290. *Poster presentation-* ASTRO 58th Annual Meeting 2016; Boston.
34. **Mohindra P**, Bentzen SM, Scartoni D, Giacomelli I, Rao G, Roque DM, Hanna N, Nichols EM. Adjuvant Whole-Pelvic Radiation Therapy (WPRT) for Endometrioid Adenocarcinoma (EA): 45 Gy or 50/50.4 Gy? *International Journal of Radiation Oncology * Biology * Physics*. 2016;96(2):Supplement, Page E300. *Poster presentation-* ASTRO 58th Annual Meeting 2016; Boston.
35. Diwanji T, Snider JW III, Koroulakis A, Feigenberg SJ, **Mohindra P**, Kwok Y, Mehta MP. Interobserver Variability in Atlas-Based, Manual Segmentation of the Hippocampus in Patients With Brain Metastases. *International Journal of Radiation Oncology * Biology * Physics*. 2016;96(2):Supplement, Page E130. *Poster presentation-* ASTRO 58th Annual Meeting 2016; Boston.
36. Oskvarek JJ, Brower JV, **Mohindra P**, Raleigh D, Chmura SJ, Golden DW. Educational Impact of a Structured Radiation Oncology Clerkship Curriculum: An Interinstitutional Comparison. *International Journal of Radiation*

- Oncology * Biology * Physics*. 2016;96(2):Supplement, Page E411. *Poster presentation-* ASTRO 58th Annual Meeting 2016; Boston.
37. Kauffmann G, Gunther JR, Braunstein SE, Hara W, Spektor A, Brower JV, Stahl JM, Rao YJ, Vargo J, Ye JC, Fields EC, Thomas CR Jr., Du KL, Kruser TJ, Jimenez RB, Hirsch AE, Currey AD, Yechieli R, **Mohindra P**, Golden DW. Updated Analysis of a Multi-Institutional Radiation Oncology Clerkship Curriculum: A Report From the Radiation Oncology Education Collaborative Study Group. *International Journal of Radiation Oncology * Biology * Physics*. 2016;96(2):Supplement, Page E412. *Poster presentation-* ASTRO 58th Annual Meeting 2016; Boston.
 38. Badiyan SN, Hartsell WF, Cahlon O, Giap H, Prabhu K, Feigenberg SJ, Chuong MD, **Mohindra P**, Mehta MP, Vargas C, Hoppe BS, Simone CB II. Clinical Outcomes of Patients with Stage II-III Non-Small Cell Lung Cancer (NSCLC) Treated with Proton Beam Therapy (PBT) on the Proton Collaborative Group (PCG) Prospective Registry Trial. *International Journal of Radiation Oncology * Biology * Physics*. 2016;96(2):Supplement, Page E434-435. *Poster presentation-* ASTRO 58th Annual Meeting 2016; Boston.
 39. Bhooshan N, Vyfhuis M, Feliciano J, Bentzen SM, Nichols EM, Edelman MJ, Burrows W, Suntharalingam M, Carr S, Friedberg J, Badiyan SN, Feigenberg SJ, **Mohindra P**. Patterns of Recurrence in Patients With Locally Advanced Non-Small Cell Lung Cancer (LANSCLC) Treated With Conpresent Chemoradiation (CRT) Followed by Surgery. *International Journal of Radiation Oncology * Biology * Physics*. 2016;96(2):Supplement, Page E452. *Poster presentation-* ASTRO 58th Annual Meeting 2016; Boston.
 40. Vyfhuis M, Bhooshan N, Feliciano J, Burrows W, Nichols EM, Bentzen SM, Edelman MJ, Suntharalingam M, Carr S, Friedberg J, Feigenberg SJ, **Mohindra P**. Implications of Pathological Complete Response (pCR) at the Primary Tumor After Chemoradiation Therapy (CRT) Followed by Surgical Resection in Patients With Locally Advanced, Non-Small Cell Lung Cancer (LANSCLC). *International Journal of Radiation Oncology * Biology * Physics*. 2016;96(2):Supplement, Page E471-472. *Poster presentation-* ASTRO 58th Annual Meeting 2016; Boston.
 41. Rice SR, Molitoris JK, Vyfhuis M, **Mohindra P**, Feliciano J, Badiyan SN, Nichols EM, Edelman, MJ Friedberg J, Burrows W, Feigenberg SJ. Magnetic Resonance Imaging Brain Staging in Stage I-III Non-Small Cell Lung Cancer (NSCLC): Incidence and Clinicopathologic Factors in Asymptomatic Brain Metastases at Diagnosis. *International Journal of Radiation Oncology * Biology * Physics*. 2016;96(2):Supplement, Page E480-481. *Poster presentation-* ASTRO 58th Annual Meeting 2016; Boston.
 42. Chhabra AM, Zhang B, **Mohindra P**, Chuong MD, Regine WF, Feigenberg SJ. Motion Mitigation Appears to Decrease the Risk of Chest Wall Morbidity for Tumors Located <3 cm From the Chest Wall During Liver Stereotactic Body Radiation Therapy. *International Journal of Radiation Oncology * Biology * Physics*. 2017;96(2):Supplement, Page E694. *Poster presentation-* ASTRO 58th Annual Meeting 2016; Boston.
 43. Vyfhuis M, Bhooshan N, Molitoris J, Edelman M, Burrows W, Nichols E, Suntharalingam M, Donahue J, Shamus C, Friedberg J, Badiyan S Feliciano J, Feigenberg S, **Mohindra P**. Black Patients With Locally Advanced Non-Small Cell Lung Cancer (LA- NSCLC) - An Inclusive Multi-Modality Approach Is Justified. *International Journal of Radiation Oncology * Biology * Physics*. 2017;98(2):Supplement, Page E37. *Poster presentation-* ARS 99th Annual Meeting 2017; Colorado Springs.
 44. Rice SR, Vyfhuis M, Bhooshan N, Edelman MJ, Burrows W, Nichols EM, Suntharalingam M, Donahue J, Carr S, Friedberg J, Badiyan SN, Feliciano J, Feigenberg S, **Mohindra P**. Does Insurance Status Impact Survival Outcomes in Patients With Stage III Non-Small Cell Lung Cancer (NSCLC) Treated With Curative Intent? *International Journal of Radiation Oncology * Biology * Physics*. 2017;98(2):Supplement, Page E4. **Oral Presentation-** ARS 99th Annual Meeting 2017; Colorado Springs.
 45. Tseng YD, Hoppe BS, Miller D, Maity A, Nanda R, Mendenhall NP, **Mohindra P**, Hartsell WF, Vargas CE, Plastaras JP. Rates of Toxicity and Outcomes After Mediastinal Proton Therapy For Relapsed/Refractory Lymphoma. *International Journal of Radiation Oncology * Biology * Physics*. 2017;99(2):S62-63. **Oral presentation-** ASTRO 59th Annual Meeting 2017; San Diego.
 46. Zhang HH, **Mohindra P**, Simone CB II, Bentzen SM, Senan S, van Sornsen de Koste JR, Jeudy J, D'Souza WD. Estimated benefit of dose reduction to highly ventilated lung regions for stage III non-small cell lung cancer patients using normal tissue complication probability models. *International Journal of Radiation Oncology * Biology * Physics*. 2017;99(2):S109. **Oral presentation-** ASTRO 59th Annual Meeting 2017; San Diego.
 47. Badiyan SN, **Mohindra P**, Larson G, Hartsell W, Tsai H, Zeng J, Rengan R, Wilkinson B, Vargas C, Feigenberg SJ, Simone CB II. Clinical outcomes of patients with recurrent lung cancer reirradiated with proton therapy on

- the Proton Collaborative Group prospective registry trial. *International Journal of Radiation Oncology * Biology * Physics*. 2017;99(2):S209. **E-Poster/Mini-Oral presentation**- ASTRO 59th Annual Meeting 2017; San Diego.
48. **Mohindra P**, Tseng YD, Badiyan SN, Hartsell WF, Tsai HK, Larson GL, Rosen LR, Rossi CJ, Vargas CE, Hoppe BS. Proton therapy for lymphoma: A multi-institutional patterns of care study. *International Journal of Radiation Oncology * Biology * Physics*. 2017;99(2):e433. **Poster presentation**- ASTRO 59th Annual Meeting 2017; San Diego.
 49. **Chhabra AM**, Trombetta L, Turkaj A, Diwanji T, Zhang B, Lamichhane N, **Mohindra P**, Badiyan SN, Feigenberg SJ, Simone CB II, Amin NP. Safety and effectiveness outcomes of lung stereotactic body radiation therapy (SBRT) in a very elderly population: a single institution experience. *International Journal of Radiation Oncology * Biology * Physics*. 2017;99(2):e446. **Poster presentation**- ASTRO 59th Annual Meeting 2017; San Diego.
 50. **Amin NP**, Chhabra AM, **Mohindra P**, Simone CB, Vujaskovic Z. Multicenter Report on Toxicities of Concurrent Nivolumab and Radiation Therapy. *International Journal of Radiation Oncology * Biology * Physics*. 2017;99(2):e575. **Poster presentation**- ASTRO 59th Annual Meeting 2017; San Diego.
 51. **Guerrero M**, Chen S, Lamichhane N, Badiyan SN, **Mohindra P**. Physician Driven Multicriteria Optimization of Advanced Lung Cancer Patients VMAT Plans. *International Journal of Radiation Oncology * Biology * Physics*. 2017;99(2):e665-666. **Poster presentation**- ASTRO 59th Annual Meeting 2017; San Diego.
 52. **Onyeuku NE**, Chung H, Snider JW III, Molitoris JK, Badiyan SN, Carr S, Pickering EM, Sachdeva A, Feigenberg SJ, Langen KM, Simone CB II, **Mohindra P**. Technique for assessing stopping power ratio of implantable materials & devices commonly used in pencil beam scanning proton therapy for thoracic malignancies. *International Journal of Radiation Oncology * Biology * Physics*. 2017;99(2):e708. **Poster presentation**- ASTRO 59th Annual Meeting 2017; San Diego.
 53. **Mohindra P**, Yi B, Timofte I, Major D, McGee S, Lamichhane N, Marter K, Kada C, Sachdeva A, Pickering EM, Feigenberg SJ, Iacono A. High-Dose Rate Endobronchial Brachytherapy for Post-Transplant Bronchial Stenosis- An Interdisciplinary Effort to Initiate a New Program. *Brachytherapy*. 2018 July;17(4):Supplement, Page S61. **Snap Oral Presentation**- 2018 ABS Annual Meeting 2018; San Francisco.
 54. **Caturegli I**, Vyfhuis M, Burrows M, Suntharalingam S, Badiyan S, Scilla K, Carr S, Friedberg J, Henry G, Stewart S, Simone C, 2nd, **Mohindra P**. Stage III Non-Small Cell Lung Cancer Clinical Outcomes with Surgical Resection After Definitive Neoadjuvant Chemoradiotherapy. *Journal of Thoracic Oncology*. 2018 October; 13(10):Supplement, Page S462-463. **Poster Presentation**- The IASLC 19th World Conference On Lung Cancer, 2018; Toronto, Canada.
 55. **Vyfhuis M**, Bentzen S, Grover S, Simone C, 2nd, **Mohindra P**. Survival and Patterns of Care Comparing Black and White Patients With All Stages of NSCLC: An NCDB Analysis. *Journal of Thoracic Oncology*. 2018 October; 13(10):Supplement, Page S625. **Poster Presentation**- The IASLC 19th World Conference On Lung Cancer, 2018; Toronto, Canada.
 56. **Mohindra P**, Vyfhuis M, Scilla K, Feliciano J, Edelman M, Burrows W, Badiyan S, Suntharalingam S, Feigenberg S, Simone C, 2nd. Consolidation Chemotherapy in Stage III Non-Small Cell Lung Cancer: Still a Critical Piece of the Puzzle. *Journal of Thoracic Oncology*. 2018 October; 13(10):Supplement, Page S658. **Poster Presentation**- The IASLC 19th World Conference On Lung Cancer, 2018; Toronto, Canada.
 57. **Rice S**, Vyfhuis M, Bentzen S, Grover S, Simone C, 2nd, **Mohindra P**. Patterns of Brain Metastases in Stage I-III Non-Small Cell Lung Cancer: An NCDB Analysis. *Journal of Thoracic Oncology*. 2018 October; 13(10):Supplement, Page S834. **Poster Presentation**- The IASLC 19th World Conference On Lung Cancer, 2018; Toronto, Canada.
 58. **Goodman CR**, Zainib M, Arshad M, Cutright D, Beydoun H, Dominello MM, **Mohindra P**, Amin NP, Simone CB II, Kruser TJ. Stereotactic Body Radiation Therapy to Multiple Sites of Intrathoracic Disease: A Multi-Institutional Analysis. *International Journal of Radiation Oncology * Biology * Physics*. 2018;102(3):e683. **Poster presentation**- ASTRO 60th Annual Meeting 2018; San Antonio.
 59. **Rice SR**, Nygaard L, Vyfhuis MAL, Vogelius I, Caturegli I, Simone CB II, Bentzen SM, **Mohindra P**. Independent Validation of Competing Risk Model for First Failure Site in Definitive Chemoradiation for Locally Advanced Non-Small Cell Lung Cancer. *International Journal of Radiation Oncology * Biology * Physics*. 2018;102(3):e702-703. **Poster presentation**- ASTRO 60th Annual Meeting 2018; San Antonio.
 60. **Mohindra P**, Vyfhuis MAL, Edelman MJ, Bhooshan N, Feliciano J, Burrows W, Badiyan SN, Suntharalingam M, Feigenberg SJ, Simone SB II. 70 years or Older Stage III Non-small Cell Lung Cancer: Impact of

- Technology on Outcomes of Definitive Chemoradiation. *International Journal of Radiation Oncology * Biology * Physics*. 2018;102(3):e696. *Poster presentation*- ASTRO 60th Annual Meeting 2018; San Antonio.
61. **Goodman CR**, Zainib M, Arshad M, Cutright D, Beydoun H, Dominello MM, **Mohindra P**, Amin NP, Simone CB, Kruser TJ. Stereotactic Body Radiation Therapy to Multiple Sites of Intrathoracic Disease: A Multi-Institutional Analysis. *International Journal of Radiation Oncology * Biology * Physics*. 2018;102(3):e683. *Poster presentation*- ASTRO 60th Annual Meeting 2018; San Antonio.
 62. **Remick J**, Kowalski E, Glass E, Simone C, **Mohindra P**. A survey of understanding and perceptions of palliative care in radiation oncology. *Journal of Radiation Oncology*. 2019. <https://doi.org/10.1007/s13566-019-00390-2>. **Oral Presentation**- ACRO Annual Meeting, 2019, Orlando, FL.
 63. **Mohindra P**, Lamichhane N, Marter K, Krudys K, Roque DM, Rao G, Nichols EM, Yi BY. Robust optimization for gynecological high-dose rate interstitial brachytherapy using post-hoc uniformity correction. *Brachytherapy*. 2019 May-June;18(3):S99-100. *Poster presentation*- American Brachytherapy Society Annual Meeting 2019; Miami.
 64. **Hoppe BS**, Nichols RC Jr, Pham DC, **Mohindra P**, Hartsell WF, Mohammed, Chon BHG, Morris CG, Li Z, Flampouri S, Simone CBII. UF-PCG Phase II Study of Hypofractionated Proton Therapy with Concurrent Chemotherapy for Stage II-III NSCLC. *International Journal of Radiation Oncology * Biology * Physics*. 2019;105(1):s144-145. *Oral presentation*- ASTRO 61st Annual Meeting 2019; Chicago.
 65. **Mohindra P**, Mossahebi S, Moreau JM, Buttion M, Molitors JK, Eblan MJ Jr, Kaiser A, Langen KM, Simone CB II. First Clinical Experience of Gated Voluntary Breath-Hold Intensity Modulated Proton Therapy for Thoracic Malignancies. *International Journal of Radiation Oncology * Biology * Physics*. 2019;105(1):s252. *Oral presentation*- ASTRO 61st Annual Meeting 2019; Chicago.
 66. **Remick J**, Kowalski ES, Khairnar R, Morse E, Poirier Y, Lamichhane N, Becker SJ, Chen S, Patel AN, Nichols EM, **Mohindra P**, Kwok Y, Mishra MV. A Comparison of Single-Fraction versus Multiple-Fraction Stereotactic Radiosurgery in the Treatment of Brain Metastasis: A Multicenter Analysis. *International Journal of Radiation Oncology * Biology * Physics*. 2019;105(1):e88. *Poster presentation*- ASTRO 61st Annual Meeting 2019; Chicago.
 67. **Amin NP**, Desai N, **Mohindra P**, Snider JW III, Simone CB II, Agarwal M, Nichols EM, Bergom C, Amin NP. Cardiac Monitoring for Thoracic Radiotherapy: Survey of Practice Patterns in the United States. *International Journal of Radiation Oncology * Biology * Physics*. 2019;105(1):e485-486. *Poster presentation*- ASTRO 61st Annual Meeting 2019; Chicago.
 68. **Sharma AM**, Khairnar R, Kowalski ES, Remic J, Nichols EM, **Mohindra P**, Yock TI, Regine WF, Mishra MV. Patient Prioritization for Proton Beam Therapy in a Cost-Neutral Payer Environment: Use of a Clinical Benefit Score for Resource Allocation. *International Journal of Radiation Oncology * Biology * Physics*. 2019;105(1):e442-443. *Poster presentation*- ASTRO 61st Annual Meeting 2019; Chicago.
 69. **Chen S**, Agyepong B, Poirier Y, Lamichhane N, Becker SJ, Zhang B, Gopal A, Yi BY, **Mohindra P**, Nichols EM, Molitors JM, Mishra MV. Intra-Fraction Motion Analysis for Frameless Linac-Based Stereotactic Radiosurgery with Three-Dimension (3D) Optical Surface Imaging for Intra-Fractional Motion Management. *International Journal of Radiation Oncology * Biology * Physics*. 2019;105(1):e759. *Poster presentation*- ASTRO 61st Annual Meeting 2019; Chicago.

Other Proffered Communications

Oral

1. **Mohindra P**, Muckaden MA, Laskar S, *et al*. Prospective Study Evaluating Toxicity Profile and Clinical Response to Low Dose Total Body Irradiation in Advanced Relapsed/Refractory Non-Hodgkin's Lymphomas. **Oral Presentation**- 5th LOWARD (Low Radiation) International Conference on Low Dose Radiation Effects on Human Health and Environment & 8th Annual Meeting of the Indian Society of Radiation Biology (ISRB); 2006, Varanasi, India.
2. **Mohindra P**, Laskar S, Muckaden MA, *et al*. Pediatric Hodgkin's Disease - A review of patient characteristics, treatment outcomes & prognostic factors in patients treated at the Tata Memorial Hospital, Mumbai. **Oral Presentation**- 39th International Congress of SIOP; SIOP 2007; Mumbai, India.

Poster

3. **Mohindra P**, Dinshaw KA, Agarwal JP, *et al.* Effectiveness of fluoride varnish application as cariostatic in patients receiving radical doses of Head and Neck Radiotherapy. *Poster Presentation- ESTRO International Symposium: ESTRO / TMH Evidence Based Medicine (EBM) 2005*; Mumbai, India.
4. **Mohindra P**, Dandekar P, Dholam K, *et al.* Efficacy of fluoride varnish application in dental prophylaxis pre- and post-radiotherapy. *Poster Presentation- International Union Against Cancer (UICC) World Cancer Congress 2008*; Geneva, Switzerland.
5. **Brower JV**, Saha S, Rosenberg S, **Mohindra P**, Robins HI. Leptomeningeal Carcinomatosis: Institutional Outcomes in the setting of Non-Small Cell Carcinoma Primary. *Poster Presentation- ACRO 25th Annual Meeting 2015*; Arlington, VA.
6. **Oskvarek J**, Brower JV, **Mohindra P**, Chmura SJ, Golden DW. Radiation oncology externships: Fourth-year medical student motivation. *Poster Presentation- ACRO 25th Annual Meeting 2015*; Arlington, VA.
7. **Hu JY**, Diwanji T, Zhang B, Koroulakis A, Snider JW, Hu J, Mehta MP, **Mohindra P**. Volumetric and Spatial Quantification of Inter-Rater Variability in Manual Segmentation of Hippocampi in Patients with Brain Metastases. *Poster presentation- 8th Annual Symposium on Brain and Spine Metastases*; Las Vegas

Invited Speeches

Institutional

1. **Mohindra P**. “Radiation induced Mandibular Toxicity (RIMT) in IMRT era”. Fellows Research Meet, Dept. of Radiation Medicine, Princess Margaret Hospital, University of Toronto, 2010.
2. **Mohindra P**. “German Hodgkin Study Group HD10 & HD 11 studies”. Journal Club, Dept. of Human Oncology, University of Wisconsin School of Medicine and Public Health. 2011.
3. **Mohindra P**. “Radiation induced retinopathy and optic neuropathy”. Mortality and Morbidity Presentation, Dept. of Human Oncology, University of Wisconsin School of Medicine and Public Health, 2013.
4. **Mohindra P**. “Gastrointestinal toxicity: Relevant in Pancreatic Cancer”. Mortality and Morbidity Presentation, Dept. of Human Oncology, University of Wisconsin School of Medicine and Public Health, 2013.
5. **Mohindra P**. “Role of Radiation Therapy in Palliative Care”. Fellows Morning Conference, Dept. of Palliative care, University of Wisconsin School of Medicine and Public Health, 2014.
6. **Mohindra P**. “Chemo-radiotherapy in Head-Neck Cancer”. Fellows Morning Conference, Dept. of Medical Oncology, University of Wisconsin School of Medicine and Public Health, 2014.
7. **Mohindra P**. “Resectable Pancreatic Cancer: Start on the (SB) Right Foot”, The Ohio State University, Department of Radiation Oncology, Columbus, Ohio, 2013.
8. **Mohindra P**. “Resectable Pancreatic Cancer: Start on the (SB) Right Foot but Protect the Intestine”, University of Maryland School of Medicine, Department of Radiation Oncology, Baltimore, Maryland, 2013.
9. **Mohindra P**. “Pediococcus-based Probiotics: A Murine Model to Assess Prevention and Mitigation Radiation Induced Intestinal Toxicity (RiIT).” University of Maryland Department of Radiation Oncology, Research Meeting, Baltimore, Maryland, 2015
10. **Mohindra P**. “Use of Computed Tomography (CT) scan to Assess Efficacy of Mitigators of Radiation-induced Lung Injury (RILI): A Rhesus Macaque Whole Thoracic Lung Irradiation (WTLI).” University of Maryland Department of Radiation Oncology, Research Meeting, Baltimore, Maryland, 2015
11. **Mohindra P**. “Radiation: Principles, Effects, Sources, and Protection”. University of Maryland Upper Chesapeake Health, Annual Training, Bel Air, Maryland, 2015.
12. **Mohindra P**. “Radiation-induced Lung Injury (RILI): Beyond Radiation Dose”. Hematology-Oncology Grand Rounds, University of Maryland Greenebaum Cancer Center, Baltimore, Maryland, 2016
13. **Mohindra P**. “The “UPPROACH” Approach: Upfront Intensity Modulated Proton Beam Therapy (IMPT) And Concurrent Chemotherapy in Patients with Endometrial Cancer - A Pilot Study”, Department Research Meeting, Radiation Oncology, University of Maryland, Baltimore, Maryland, 2016
14. **Mohindra P**. “Thymic Malignancies- Role of Radiotherapy” SA-CME Lecture Series, Radiation Oncology, University of Maryland, Baltimore, Maryland, 2016
15. **Mohindra P**. “Gynecological Malignancies- Role of Radiotherapy” Gynecology Grand Rounds, University of Maryland, Baltimore, Maryland, 2016
16. **Mohindra P**. “Evolution of Intracavitary Brachytherapy in Cervical Cancer”. SA-CME Lecture Series, Radiation Oncology, University of Maryland, Baltimore, Maryland, 2016
17. **Mohindra P**. “Radiation Oncology- A Research Palette”, OSR Summer Series University of Maryland School of Medicine, Baltimore, 2017

18. **Mohindra P.** “Clinical Aspects of Basic Radiation Oncology”, Small Group Lecture: GPLS665, graduate students, University of Maryland School of Medicine, Baltimore, 2018, 2019.
19. **Mohindra P.** “Introduction to Radiation Oncology”, Hematology-Oncology Fellow Lecture, University of Maryland School of Medicine, Baltimore, 2018, 2019.
20. **Mohindra P.** “Stage III NSCLC: A Model to Assess Impact of Racial Disparities”, Health Disparities in Lung Cancer Exploratory Meeting, University of Maryland School of Medicine, Baltimore, 2018.
21. **Mohindra P.** “Radiation Therapy in NSCLC”, Hematology-Oncology Fellow Lecture, University of Maryland School of Medicine, Baltimore, 2019.

Regional

22. **Mohindra P.** “Management of Brain Metastases in Lung Cancer: An Evolving Paradigm.” Thoracic Oncology Review Course, University of Maryland, Baltimore, Maryland, 2015.
23. **Mohindra P.** “Locally Advanced NSCLC: What, How, When?” Thoracic Oncology Review Course, University of Maryland, Baltimore, Maryland, 2016.
24. **Mohindra P.** “Gynecological Malignancies- Role of Radiotherapy” Gynecology Grand Rounds, Holy Cross Hospital, Silver Spring, Maryland, 2017
25. **Mohindra P.** “Treatment of Advanced Non-Small Cell Lung Cancer”. University of Maryland School of Medicine, Update: Thoracic Oncology 2017, Baltimore, 2017.
26. **Mohindra P.** “Best of 2017-Gynecological Malignancies”. University of Maryland School of Medicine, 13th Annual Radiation Oncology Symposium-Best of 2017, Baltimore, 2018.
27. **Mohindra P.** “A Case of Unsuccessful Cardiac Radioablation: A Learning Opportunity”. SNORAD 2019: Symposium for Noninvasive Radioablation, St. Louis, 2019.

National

28. **Mohindra P.** Faculty and invited lecture “Pancreatic Cancer: Move to SBRT”; 9th International conference on Dose, Time and Fractionation in Radiation Oncology, 2013, Madison, Wisconsin.
29. **Mohindra P,** Howard S, Robins HI. “Randomized Phase II Trial of Represent Glioblastoma after Progression on Bevacizumab: Pulsed-Reduced Dose Rate Fractionated Radiotherapy (PRDR) versus Conventional Dose Rate Hypofractionated Radiotherapy versus Systemic Therapy of Choice.” NRG concept proposal, San Diego, California, 2014.
30. **Mohindra P,** Edelman M, Mehta M. “Phase I trial(s) to determine the Recommended-Phase II Dose (RP2D) of VX-970 when combined with Irradiation in Patients with Brain Metastases from Solid Tumors. NCI-PTMA Teleconference, 2015.
31. **Mohindra P.** “Phase 1 Trial to Determine the Recommended Phase 2 Dose (RP2D) of VX-970 When Combined with Whole Brain Radiotherapy (WBRT) in Patients with Brain Metastases from Non-Small Cell Lung Cancer (NSCLC)” ETCTN Webcast, NCI, 2016; 2018
32. **Mohindra P.** “Phase 1 and Pharmacology Study of Oral 5-iodo-2-pyrimidinone-2-deoxyribose (IPdR) as a Prodrug for IUdR-Mediated Tumor Radiosensitization in Brain Metastases” ETCTN Webcast, NCI, 2016; 2018
33. **Mohindra P.** “Treatment Considerations for Focused Populations” News briefing presentation, 2017 Multidisciplinary Thoracic Cancers Symposium, 2017, San Francisco.
34. **Mohindra P.** “Reduction in Toxicity with Image-Guided Brachytherapy for Cervical Cancer”, Educational Presentation, 2017 Annual Meeting, American Brachytherapy Society, Boston, 2017.
35. **Mohindra P.** “Introduction to Radiotherapy”. Annual Meeting American Medical Student Association, ACR Workshop, Washington DC, 2018.
36. **Mohindra P.** “Mediastinal Lymphoma- Maryland Proton Treatment Center Experience”. PTCOG-NA Lymphoma Symposium, Atlanta, 2018
37. **Mohindra P.** “A Case of Unsuccessful Cardiac Radioablation: A Learning Opportunity”. 2019 Symposium for Non-Invasive Radioablation (SNORAD), St. Louis, 2019

International

38. **Mohindra P,** Mishra KP, Muckaden MA, Laskar S, Pandey BN, Sarma HD, Shrivastava SK, Dinshaw KA. Low Dose Total Body Irradiation (LDTBI) in patients of advanced relapsed/refractory Non-Hodgkin's Lymphoma: A preliminary clinical and radiobiological report. *Invited Symposium Presentation presented at:* 13th International Congress of Radiation Research [ICRR]; 2007, San Francisco, CA.

