

Renuka Malik, M.D.

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ACADEMIC APPOINTMENTS

2010-2012 Clinical Instructor, Dept. of Radiation and Cellular Oncology, University of Chicago
 2012-present Assistant Professor, Dept. of Radiation and Cellular Oncology, University of Chicago
 2012-present Quality & Safety Chair, Dept. of Radiation and Cellular Oncology, University of Chicago

Committee, Program, Institute, and Center Appointments

2012-present University of Chicago Medicine Quality Committee
 2015-present Program Evaluation Committee, Department of Radiation and Cellular Oncology
 2010-present Resident Selection Committee, Department of Radiation and Cellular Oncology

ACADEMIC TRAINING

1998-2001 B.A Philosophy. University of Illinois at Chicago, Guaranteed Pre-Professional Honors Program (seven-year medical program), Chicago, IL
 2001-2005 M.D. University of Chicago Pritzker School of Medicine, Chicago, IL
 2005-2006 Internship. Transitional Year, Resurrection Medical Center, Chicago, IL
 2006-2010 Residency. Department of Radiation and Cellular Oncology, University of Chicago

BOARD CERTIFICATION

2011 Radiation Oncology (American Board of Radiology)

SCHOLARSHIP

(a) Peer-reviewed publications in the primary literature, exclusive of abstracts:

1. **Malik R**, Oh JL; Roeske JC; Mundt AJ. "Survey of Resident Education in Intensity-Modulated Radiation Therapy." *Technol Cancer Res Treat* 2005; 4(3): 303-309.
<http://www.ncbi.nlm.nih.gov/pubmed/15896086>
2. Mell LK, **Malik R**, Komaki R, Movsas B, Swann SR; Langer C; Antonadou D; Koukourakis M; Mundt AJ. "Effect of Amifostine on Response Rates in Locally Advanced Non-Small-Cell Lung Cancer Patients Treated on Randomized Controlled Trials: a Meta-Analysis." *Int J Radiat Oncol Biol Phys* 2007; 68(1): 111-118.
<http://www.sciencedirect.com/science/article/pii/S0360301606036017>
3. **Malik R**, Jani AB, Liauw SL. "PSA 'Halving-Time' during Neoadjuvant Androgen Deprivation Therapy and Prior to Radiotherapy is Associated with Biochemical Control." *Int J Radiat Oncol Biol Phys* 2011; 79(4): 1022-1028.
<http://www.ncbi.nlm.nih.gov/pubmed/20510547>
4. **Malik R**, Jani AB, Liauw SL. "External Beam Radiotherapy for Prostate Cancer: Urinary outcomes for Men with High IPSS Scores" *Int J Radiat Oncol Biol Phys* 2011; 80(4): 1080-1086.
Article Selected as Feature Article for Online CME
<http://www.ncbi.nlm.nih.gov/pubmed/20643513>

5. Shumway D; Corbin K; Salgia R; Hoffman P; Villaflor V; **Malik RM**; Maitland M; Haraf DJ; Vigneswaren W; Connell PP; Ferguson M; and Salama JK. "Pathologic Response Rates Following Definitive Dose Image-Guided Chemoradiotherapy Followed by Resection for Locally Advanced Non-small Cell Lung Cancer." *Lung Cancer* 2011 Dec; 74(3): 446-50.
<http://www.sciencedirect.com/science/article/pii/S0169500211002704>
6. Salama JK; Hasselle M; Chmura SJ; **Malik R**; Mehta N; Yenice KM; Villaflor V; Stadler WM; Hoffman P; Cohen E; Connell P; Haraf DJ; Vokes EE; Hellman S; Weichselbaum RR "Stereotactic body radiotherapy (SBRT) for multi-site extracranial oligometastases: Final report of a dose escalation trial in patients with one to five sites of metastatic disease." *Cancer*. 2012 Jun 1; 118(11):2962-70.
<http://www.ncbi.nlm.nih.gov/pubmed/22020702>
7. Lussier Y, Xing HR, Salama JK, Khodarev NN, Huang Y, Hasselle MD, Zhang Q, Yang X, Khan SA, **Malik R**, Darga TE, Fan H, Perakis S, Filippo M, Lee Y, Posner MC, ChmuraSJ, Hellman S, Weichselbaum RR. "MicroRNA expression characterizes oligometastases." *PLoS One*. 2011;6(12):e28650.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3236765/pdf/pone.0028650.pdf>
8. Rudra S, **Malik R**, Ranck MC, Hasselle M, Golden D, Weichselbaum RR, Salama JK. "Stereotactic body radiation therapy for curative treatment of adrenal metastases." *Technol Cancer Res Treat*. 2013 Jun;12(3):217-24.
<http://www.ncbi.nlm.nih.gov/pubmed/23369155>
9. Koshy M, Fedewa SA, **Malik R**, Ferguson MK, Vigneswaran WT, Feldman L, Howard A, Abdelhady K, Weichselbaum RR, Virgo KS. "Improved survival associated with neoadjuvant chemoradiation in patients with clinical stage IIIA (N2) non-small-cell lung cancer." *J Thorac Oncol*. 2013 Jul;8(7):915-22.
<http://www.ncbi.nlm.nih.gov/pubmed/23608815>
10. Akthar A, Golden DW, Nanda R, Sharma MR, Te HS, Reddy G, Zhang X, **Malik R**. "Early and Severe Radiation Esophagitis Associated with Concurrent Sirolimus," *J Clin Oncol*. 2014 Jul 14. pii: JCO.2013.50.1643
<http://jco.ascopubs.org/content/early/2014/07/10/JCO.2013.50.1643.long>
11. Lukas R, Bernard J, **Malik R**, Salgia R. "Optic nerve radiation recall associated with prior pemetrexed" *J Neurol Res*. 3(5);2013.
<http://www.neurores.org/index.php/neurores/article/view/252>
12. Koshy M, **Malik R**, Sher DJ, Spiotto M, Mahmood U, Ayodgan B, Weichselbaum RR. "The Effect of Radiotherapy Dose on Survival in Stage III Non-Small-Cell Lung Cancer Patients Undergoing Definitive Chemoradiotherapy." *Clin Lung Cancer*. 2014 Sep;15(5):365-71.
<http://www.ncbi.nlm.nih.gov/pubmed/24984565>
13. Cunliffe A, Armato S, Straus C, **Malik R**, Al-Hallaq H. "Lung texture in serial thoracic CT scans: Correlation with radiologist-defined severity of acute changes following radiation therapy." *Phys Med Biol*. 2014 Sep 21;59(18):5387-98.
<http://www.ncbi.nlm.nih.gov/pubmed/25157625>
14. Koshy M, **Malik R**, Spiotto M, Mahmood U, Weichselbaum R, Sher D. "Disparities in treatment of patients with inoperable stage I non-small cell lung cancer: a population-based analysis." *J Thorac Oncol*. 2015 Feb;10(2):264-71.
<http://www.ncbi.nlm.nih.gov/pubmed/25371079>
15. Cunliffe AR, Contee C, Armato SG 3rd, White B, Justusson J, **Malik R**, Al-Hallaq HA. "Effect of deformable registration on the dose calculated in radiation therapy planning CT scans of lung cancer patients." *Med Phys*. 2015 Jan;42(1):391-9.
<http://www.ncbi.nlm.nih.gov/pubmed/25563279>
16. Koshy M, **Malik R**, Mahmood U, Husain Z, Sher DJ. "Stereotactic body radiotherapy and treatment at a high volume facility is associated with improved survival in patients with inoperable stage I non small cell lung cancer." *Radiother Oncol*. 2015 Feb;114(2):148-54.
<http://www.ncbi.nlm.nih.gov/pubmed/25586951>

17. Koshy M, **Malik R**, Weichselbaum RR, Sher DJ. "Increasing radiation therapy dose is associated with improved survival in patients undergoing stereotactic body radiation therapy for stage I non small-cell lung cancer." *Int J Radiat Oncol Biol Phys*. 2015 Feb 1;91(2):344-50.
<http://www.ncbi.nlm.nih.gov/pubmed/25636759>
18. Cunliffe A, White B, Justusson J, Straus C, **Malik R**, Al-Hallaq HA, Armato SG. "Comparison of Two Deformable Registration Algorithms in the Presence of Radiologic Change Between Serial Lung CT Scans." *J Digit Imaging*. 2015 Mar 31.
<http://www.ncbi.nlm.nih.gov/pubmed/25822396>

(b) Peer-reviewed works in 'non-traditional' outlets:

None

(c) Peer-reviewed works accepted or in press

None

(d) Non-peer-reviewed original articles

None

(e) Books:

None

(e) Book chapters:

None

(f) Other works that are publically available (websites, interviews, publications in the popular press, testimony, computer programs, protocols, reagents, inventions, patents not listed above, etc.)

None

(g) Clinical trials that are ongoing and unpublished

CALGB 31102 - Phase I Study of Accelerated Hypofractionated Radiation Therapy with Concomitant Chemotherapy for Unresectable Stage III Non-Small Cell Lung Cancer. Role: Institutional PI, status: closed to data analysis.

IRB 12-0208: Retrospective Analysis of Radiotherapy in the Management of Esophageal Carcinoma. Role: PI, status: undergoing amendments for tissue collection.

IRB 16057A: A Long-Term Investigation of Radiation Treatment in Lung Cancer Patients. Role: PI, status: undergoing amendments for tissue collection.

(j) Works in review, in preparation, etc. not yet publically available [list ONLY if available for BSD review]

None

FUNDING

(a) Past:

University of Chicago Institute for Translational Medicine Pilot Study Award. PI: HA Al-Hallaq. My role: Collaborator. Title: "CT texture analysis of normal lung tissue response to radiation." Total direct costs: \$39,640. Project period: 09/2013-09/2014.

(b) Current:

None

(c) Pending:

None

HONORS, PRIZES, AND AWARDS

1999, 2000	Illinois State General Assembly Scholar (Two-time full tuition scholarship recipient)
2000	Chicago Circle Physics Scholar (Top introductory physics student)
2001	University of Illinois Honors College Distinguished Senior Student Award
2001	Avery Brundage Scholarship for Academics and Amateur Athletics
2001	Honors Council Award
2001	University of Illinois Alumni Association Leadership Award
2001	Chancellor's Student Service Award
2001	Phi Eta Sigma (Scholarship Recipient)
2001	Phi Beta Kappa, Phi Kappa Phi
2005	University of Chicago, School of Medicine Fentress Research Scholar Award
2005	University of Chicago, Department of Radiation and Cellular Oncology Senior Medical Student Award
2005-2006	Chief Resident, Internship, Resurrection Medical Center
2009-2010	Chief Resident, Residency, Radiation and Cellular Oncology, University of Chicago
2010	American Brachytherapy Society Nucletron HDR Fellowship Recipient

INVITED SPEAKING

2011	"Update on Clinical Trials for Patients with Advanced Distal Esophagus/GEJ Carcinoma." 3 rd Annual Gastrointestinal University of Chicago Cancer Symposium, Chicago, IL
2012	"Locally Advanced Distal Esophagus/GEJ Carcinoma." Chicago Radiologic Society, Rush University, Chicago, IL
2012	American College of Surgeons (ACOSOG) Clinical Congress Panelist: "Management of Early-Stage Non-Small Cell Lung Cancer," Chicago, IL
2013	American College Chest Physicians (CHEST) Annual Meeting, "SBRT for Peripheral Lung Cancer," Chicago, IL

INVITED, ELECTED, OR APPOINTED EXTRAMURAL SERVICE

Editorial Board:

2012- Present	<i>Diseases of the Esophagus</i> : Associate Editor of Radiotherapy
2011-2012	Member of Technical Expert Panel for "Local Therapies for Localized Non-Small Cell Lung Cancer" BlueCross Blue Shield Technology Evaluation Center

Reviewer:

Various	Reviewer for <i>International Journal of Radiation Oncology, Biology, and Physics</i> , <i>Diseases of the Esophagus</i> , <i>Thoracic Cancer</i> and <i>Annals of Thoracic Surgery</i> .
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Scientific and Medical Societies:

2006-Present	American Society of Therapeutic Radiology and Oncology
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EDUCATION

Graduate medical education (residency and clinical fellowships):

(a) Didactic

2010-present Various lectures for summer orientation course, didactic seminars for residents, board preparatory lectures

Research trainees:

2010-present Various lectures to radiation therapy students (annually)

(c) Medical (M.D.)

2011-2012: Clinical Research Year Advisor for Sonali Rudra, Project: "Phase I Study Investigating Use of Statin Therapy to Prevent Radiation Pneumonitis and Fibrosis after Definitive Treatment for Non-Small Center Lung Cancer." *Project Proposal Awarded ASCO/AACR Methods in Clinical Cancer Research Workshop Vail, CO.*

2013-2015 Clinical Research Year Advisor for Adil Akthar, MSIV: "Assessing Accuracy in Staging in Stage I Non Small Cell Lung Carcinoma (NSCLC): Implications for the Stereotactic Body Radiotherapy Patient." *Project Proposal Awarded AOA Carolyn L. Kuckein Student Research Fellowship*

(d) Graduate (Ph.D.)

2011-2014: Ph.D. Committee (Medical Physics) for Alexandra Cunliffe, Project Proposal: "Thoracic CT Image Texture Analysis for Assessment of Radiation-Induced Lung Tissue Damage and Early Identification of Radiation Pneumonitis"

CLINICAL

2010-Present Head of Thoracic Radiation Oncology Group. (4 full clinic days/week)
Coverage of Oligometastases and Gastrointestinal Malignancies (fill-in) (4 full clinic days/week)

SERVICE**University of Chicago**Committee membership:

2010-present Resident Selection Committee

2015-present Program Evaluation Committee

Leadership:

2012-present Quality and Safety Chair, Department of Radiation and Cellular Oncology

2012-present University of Chicago Medicine, Quality Committee