Curriculum Vitae

Matthew E. Witek, M.D., M.S.

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**Contact Information**

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**Education**

1997 - 2001 B.S., Comprehensive Science, Villanova University

 Minor: Chemistry

 Minor: Business

2002 - 2004 M.S., Thomas Jefferson University Hospital

2005 - 2009 M.D., Jefferson Medical College

**Post Graduate Education and Training**

2009-2010 Medical Internship, Lankenau Hospital

2010-2014 Residency, Radiation Oncology, Thomas Jefferson University Hospital

2012 Rotation, Gynecologic Radiation Oncology, Washington University Medical Center, Barnes Jewish Hospital

2013 Rotation, Pediatric Radiation Oncology, St. Jude Children’s Research Hospital

2019-2020 Proton Fellowship, University of Maryland

**Certifications**

2016 American Board of Radiology: Radiation Oncology

**Medical Licensures**

2009-2014 Inactive, Pennsylvania

2012 Inactive, Missouri

2018-current Active, Virginia

2014-current Active, Wisconsin

**Employment History**

**Academic Appointments**

2015-2019 Assistant Professor, Radiation Oncology, University of Wisconsin

2019-present Visiting Instructor/Proton Fellow, Radiation Oncology, University of Maryland Baltimore

2019-present Radiation Oncology Affiliate for Maryland Oncology Hematology

2020-present Adjunct Clinical Associate Professor University of Wisconsin-Madison

2020-present Associate Professor, Radiation Oncology, University of Maryland

**Professional Society Membership**

2002-2004 General member, Sigma Xi Research Society

2002-2004 General member, American Society of Clinical Pharmacology and Therapeutics

2010-current General member, American Society of Radiation Oncology (ASTRO)

2015-current General member, NRG Oncology

2015-current General member, Radiologic Society of North America (RSNA)

2016-current American Radium Society (ARS)

2017-2018 General member, European Society of Radiation Oncology (ESTRO)

**Honors And Awards**

2004 Top Abstract, National Meeting for the American Society of Clinical Pharmacology and Therapeutic, Miami, FL

2004 Best Poster Presentation Master’s Division, Sigma Xi Student Research Competition. Thomas Jefferson University, Philadelphia, PA

2006 Best Poster Presentation Medical Division. Sigma Xi Student Research Competition. Thomas Jefferson University, Philadelphia, PA

2008 Second Place Award, Eastern-Atlantic Research Forum University of Miami, Miami, FL

2012 Invitation to the AACR/ASCO Workshop on Methods in Clinical Cancer Research, Vail, CO,

2014 Roentgen Resident Research Award, Jefferson Medical College, Department of Radiation Oncology, Philadelphia, PA

2015 Best Paper Award, American Association of Physicists in Medicine Annual Meeting, Anaheim, CA

2016 Association of Residents in Radiation Oncology Educator of the Year Award, University of Wisconsin-Madison, Madison, WI

2017 Ride Scholarship, Collaborative H&N Cancer MRI/PET Clinical Research Program, University of Wisconsin-Madison, Madison, WI

**Clinical Activities**

**Clinical Expertise**

Clinical and research focus are in the area of head and neck cancer.

**Scope of Clinical Practice:**

2015-present Comprehensive cancer clinical setting

~250 consultations per year

leadership/administrative role

20% FTE

**Development of any Clinical Programs:**

2015-present Developed a robust skin cancer program and head and neck brachytherapy service.

**Administrative Service**

2017-current Assistant Residency Program Director, Radiation Oncology University of Wisconsin

**Institutional Service**

2015-2019 Member, Department of Human Oncology Clinical Trials Committee

2016-current Member, Medical Physics Steering Committee

2017-current Director, Head & Neck Resident Clinical Research Committee

2017-2018 Member, Raystation Implementation Committee

2017-current Member, Clinical Competence Committee

2019-current Member, Treatment Planning Service Improvement Committee

**Local and National Service**

**National Service**

2015-2017 Member, Radiation Oncology quality control committee for RTOG 1016

2015-2017 Member, Radiation Oncology quality control committee for RTOG 1216

2015-2018 Member, ASTRO Education Committee – Head and Neck Section

2016-current Member, National Comprehensive Cancer Network (NCCN) advisory committee for the head and neck cancer section

2018-current Member, Skin Cancer OUTcomes Consortium (SCOUT)

2018-current Member, Previously Untreated Locally Advanced (PULA) task force (NCI)

2018-current Member, ASCO Unknown Primary in the Head and Neck Guideline Panel

2018 Co-author, NCCN Guidelines for Patients: Oral Cancers

2018-current Member, Program development of the 2020 Multidisciplinary Head and Neck Cancer Symposium

**Local Service**

2014 Volunteer, Haunted Hustle 5K for Cancer Awareness, raising $5,700 for patient support and research efforts, Madison, WI

2015 Volunteer, Performed television advertisement for Free Oral Cancer Screening Program for WKOW news channel, Madison, WI

2015 Volunteer, Free Oral Cancer Screening Program at University of Wisconsin, Madison, WI

2016 Volunteer, Free Oral Cancer Screening Program at University of Wisconsin, Madison, WI

2017 Volunteer, The Ride, A Bicycle Benefit for Cancer Research, sponsored by the University of Wisconsin Department of Human Oncology, Sun Prairie, WI

2018 Volunteer, Free Oral Cancer Screening Program at University of Wisconsin, Madison, WI

2019 Volunteer, Free Oral Cancer Screening Program at University of Wisconsin, Madison, WI

2019 Volunteer, Performed television advertisement for Free Oral Cancer Screening Program for Spectrum news channel, Madison, WI

**Teaching Service**

**Resident and Fellow Teaching** (series of single lectures given once per year)

2015 Radiation Oncology resident lecture, nasopharyngeal carcinoma, University of Wisconsin

2015 Radiation Oncology resident lecture, laryngeal carcinoma, University of Wisconsin

2015 Radiation Oncology resident lecture, CNS lymphoma, University of Wisconsin

2016 Radiation Oncology resident lecture, nasopharyngeal carcinoma, University of Wisconsin

2016 Radiation Oncology resident lecture, laryngeal carcinoma, University of Wisconsin

2017 Radiation Oncology resident lecture, skin cancer, University of Wisconsin

2017 Radiation Oncology resident lecture, nasopharyngeal carcinoma, University of Wisconsin

2017 Radiation Oncology resident lecture, laryngeal carcinoma, University of Wisconsin

2018 Radiation Oncology resident lecture, laryngeal carcinoma, University of Wisconsin

2018 Radiation Oncology resident lecture, oral cavity carcinoma, University of Wisconsin

2018 Otolaryngology residents and fellows*, Radiotherapy in Head and Neck Cancers*, University of Wisconsin

2018 Medical Oncology fellows, *Radiotherapy in the Management of Cancers*, University of Wisconsin

2018 Neuroradiology fellows, *Treatment of Patients with Head and Neck Cancers*, University of Wisconsin

##### Grant Support

###### Active Grants:

10/30/2017 – current Lead PI

*“PET-MRI assessment of early tumor response to predict outcomes of HPV-positive oropharynx cancer patients”*, Sub-award of the Head and Neck SPORE Career Enhancement Program Grant from the National Institute of Health (NIH) awarded to the University of Wisconsin, Project ID# 1P50DE026787-01A1

Annual Direct Costs: $50,000

10/30/2017 – current Co-PI

 *“Development of a PET/MRI Multi-Modality, Multi-Parametric Framework for the Quantitative Assessment of Treatment Response and Outcome Prediction in Head and Neck Cancer”*

Pilot Grant from University of Wisconsin Carbone Cancer Center Pilot Grant

Annual Direct Costs: $49,800

*Responsible for patient recruitment, treatment, and data analysis*

10/30/2018 – current Co-PI

 *“Integration of machine learning into a virtualized trial environment for Head and Neck Radiotherapy”*, Sub-award of the Head and Neck SPORE Career Enhancement Program Grant from the National Institute of Health (NIH) awarded to the University of Wisconsin, Project ID# 1P50DE026787-01A1

Annual Direct Costs: $50,000

*Responsible for defining clinical goals for algorithm development*

**Publications**

**Peer-reviewed journal articles**

1. **Witek ME**, Nielsen K, Walters R, Hyslop T, Palazzo J, Schulz S, Waldman SA. The putative tumor suppressor Cdx2 is overexpressed by human colorectal adenocarcinomas. Clin Cancer Res. 2005 Dec 15; 11(24 Pt 1): 8540-56.

2. Debruyne PR, **Witek M**, Gong L, Birbe R, Chervoneva I, Jin T, Domon-Dell, C, Palazzo JP, Freund JN, Li P, Pitari GM, Schulz S, Waldman SA. Bile acids induce ectopic expression of intestinal guanylyl cyclase C Through nuclear factor-KappaB and Cdx2 in human esophageal cells. Gastroenterology. 2006 Apr; 130(4): 1191-206.

##### 3. Schulz S, Hyslop T, Haaf J, Bonaccorso C, Nielsen K, Witek ME, Birbe R, Palazzo J, Weinberg D. Waldman SA. A validated quantitative assay to detect occult micrometastaess by reverse transcriptase-polymerase chain reaction of guanylyl cyclase C in patients with colorectal cancer. Clin Cancer Res. 2006 Aug 1:12(15): 4545-52.

##### 4. Gong L, Debruyne PR, Witek M, Nielsen K, Snook A, Lin JE, Bombonati A, Palazzo J, Schulz S, Waldman SA. Bile acids initiate lineage-addicted gastroesophageal tumorigenesis by suppressing the EGF receptor-AKT axis. Clin Transl Sci. 2009 Aug; 2(4): 286-93.

##### 5. Witek ME, Waldman SA. CDX2 Mini-Review, The Transcription Factor Encyclopedia, [Genome Biol.](http://www.ncbi.nlm.nih.gov.proxy1.lib.tju.edu/pubmed/22458515) 2012; 13(3): R24.

##### 6. Shen X, Andrews DW, Sergott RC, Evans JJ, Curran WJ, Machtay M, Fragoso R, Eldredge H, Champ CE, Witek M, Mishra MV, Dicker AP, Werner-Wasik M. [Fractionated stereotactic radiation therapy improves cranial neuropathies in patients with skull base meningiomas: a retrospective cohort study.](http://www.ncbi.nlm.nih.gov.proxy1.lib.tju.edu/pubmed/23270432) Radiat Oncol. 2012 Dec 28;7:225.

##### 7. Witek M, Blomain ES, Magee MS, Xiang B, Waldman SA, Snook AE. Tumor Radiotherapy Creates Therapeutic Vaccine Responses to the Colorectal Cancer Antigen GUCY2C. Int J Radiat Oncol Biol Phys. 2014 Apr 1;88(5):1188-95.

##### 8. Palmer JD, Zaorsky NG, Witek M, Lu B. Molecular Markers to Predict Clinical Outcome and Radiation-induced Toxicity in Lung Cancer. Review for Journal of Thoracic Disease. J Thorac Dis. 2014 Apr;6(4):387-98.

##### 9. Witek M, Chapman K, Vahknenko Y, Siglin J, Harrison Y, Xiao Y, Liu H, Andrews D, Shi W. Dose Reduction to the Scalp with Hippocampal Sparing is Achievable with Intensity Modulated Radiotherapy. Int J Med Phys Clin Eng Radiat Oncol. 2014 Aug;3(3):176-182

##### 10. Witek ME, Snook AE, Lin JE, Blomain ES, Xiang B, Magee MS, Waldman SA. A Novel Cdx2 Isoform Regulates Alternative Splicing. PLoS One. 2014 Aug 7;9(8):e104293.

##### 11. Bar-Ad V, Leiby B, Witek M, Xiao Y, Cui Y, Dai Y, Cao J, Axelrod R, Campling B, Both S, Werner-Wasik M. Am J Clin Oncol. 2014 Oct;37(5):433-7.

##### 12. Siglin J, Champ CE, Vakhnenko Y, Witek ME, Peng C, Zaorsky NG, Harrison AS, Shi W. Optimizing Patient Positioning for Intensity Modulated Radiation Therapy in Hippocampal-Sparing Whole Brain Radiation Therapy. Pract Radiat Oncol. 2014 Nov-Dec;4(6):378-83.

##### 13. Witek M, Siglin J, Malatesta T, Snook A, Gressen E, Rudoler S, Bar-Ad V, Fisher S. Is Financial Literacy Necessary for Radiation Oncology Residents? Int J Radiat Oncol Biol Phys. 2014 Dec 1;90(5):986-7.

14. Chapman KL, **Witek ME**, Chen H, Showalter TN, Bar-Ad V, Harrison AS. ME, Harrison A. Pancreatic cancer planning: complex conformal vs. modulated therapies. Med Dosim 2016 Summer;41(2):100-4.

15. Brower JV, Amini A, Chen S, Hullett CR, Kimple RJ, Bassetti M, **Witek ME**, Yu M, Baschnagel AM,. Dose escalated radiotherapy is associated with improved survival in patients with stage III non-small cell lung cancer: Analysis of the National Cancer Database. Annals of Oncology, 2016 Oct;27(10):1887-94

16.Pointer KB, Ko HC, Brower JV, **Witek ME**, Kimple RJ, Lloyd RV, Harari PM, Baschnagel AM. Small cell carcinoma of the head and neck: Analysis of the National Cancer Data Base.Oral Oncology, 2017 Jun; 69:92-98

17. Adelstein D, Gillison ML, Pfister DG, Spencer S, Adkins D, Brizel DM, Burtness B, Busse PM, Caudell JJ, Cmelak AJ, Colevas AD, Eisele DW, Fenton M, Foote RL, Gilbert J, Haddad RI, Hicks WL Jr, Hitchcock YJ, Jimeno A, Leizman D, Lydiatt WM, Maghami E, Mell LK, Mittal BB, Pinto HA, Ridge JA, Rocco J, Rodriguez CP, Shah JP, Weber RS, **Witek M**, Worden F, Yom SS, Zhen W, Burns JL, Darlow SD. NCCN Guideline Insights: Head and Neck Cancers, Version 2.2017. J Natl Compr Canc Netw. 2017 Jun;15(6):761-770

18. **Witek ME**. Expert Opinions Jimmy Caudell MD, Sampi Patel, and Randal Kimple. Are all head and neck squamous cell carcinomas created equal?; Gray Zone case submission to the International journal of radiation oncology, biology, physics, 2017; Case presenter 2017 Int J Radiation Oncol Biol Phys, Vol. 99, No. 5, pp. 1059-1060, 2017

19. **Witek ME**, Wieland AM, Chen S, Kennedy TA, Hullett CR, Liang E, Hartig GK, Kimple RJ, Harari PM. Outcomes for patients with head and neck squamous cell carcinoma presenting with N3 nodal disease. Cancers Head Neck. 2017;2. pii: 8.

20. Ko HC, Harari PM, Sacotte RM, Chen S, Wieland AM, Yu M, Baschnagel AM, Bruce JY, Kimple RJ, **Witek ME**. Prognostic implications of HPV-status for non-oropharyngeal head and neck squamous cell carcinomas. J Cancer Res Clin Oncol. 2017 Nov;143(11):2341-2350

21.Ko HC, Chen S, Wieland AM, Yu M, Baschnagel AM, Hartig GK, Harari PM, **Witek ME**. Clinical Outcomes for Patients Presenting with N3 Head and Neck Squamous Cell Carcinoma: Analysis of the National Cancer Database.Head Neck. 2017 Nov;39(11):2159-2170

22.Ko HC, Chen S, Wieland AM, Yu M, Baschnagel AM, Kimple R, Harari PM, **Witek M.** Management and survival outcomes for T3N0M0 squamous cell carcinoma of the glottic larynx.JAMA Otolaryngol Head Neck Surg. 2017 Nov 1;143(11):1126-1133

23. Burr AR, Harari PM, Ko HC, Chen S, Yu M, Baschnagel AM, Kimple RJ, **Witek ME**. HPV Impacts Survival of Stage IVC Non-Oropharyngeal HNSCC Cancer Patients. Otorhinolaryngology-Head and Neck Surgery, 2018;3(1).

24. Colevas AD, Yom SS, Pfister DG, Spencer S, Adelstein D, Adkins D, Brizel DM, Burtness B, Busse PM, Caudell JJ, Cmelak AJ, Eisele DW, Fenton M, Foote RL, Gilbert J, Gillison ML, Haddad RI, Hicks WL, Hitchcock YJ, Jimeno A, Leizman D, Maghami E, Mell LK, Mittal BB, Pinto HA, Ridge JA, Rocco J, Rodriguez CP, Shah JP, Weber RS, **Witek M**, Worden F, Zhen W, Burns JL, Darlow SD. NCCN Guideline Insights: Head and Neck Cancers, Version 2.2018., JNCCN Journal of the National Comprehensive Cancer Network. 2018 May; 16(5): 479-490.

25. **Witek ME**, Hartig GK, Harari PM. Letter to the editor regarding “Survival Outcomes for Patients with T3N0M0 Squamous Cell Carcinoma of the Glottic Larynx” – In Reply; JAMA Otolaryngol Head Neck Surg. 2018 2018 Jun 1;144(6):543

26. Davidson SM, Ko HC, Harari PM, Wieland AM, Chen S, Baschnagel AM, Kimple RJ, **Witek ME**. Impact of HPV-Status on Prognostic Potential of the AJCC Staging System for Larynx Cancer. Otolaryngol Head Neck Surg. 2018 2018 Sep;159(3):456-465.

27. Blitzer GC, Rosenberg SA, Anderson BM, McCulloch TM, Wieland AM, Hartig GK, Bruce JY, **Witek ME**, Kimple RJ, Harari PM. Results from a Free Oral Cancer Screening Clinic at a Major Academic Health Center. In Press Int J Radiation Oncol Biol Phys 2018 Sep 1;102(1):146-148.

28. Burr AR, Harari PM, Ko HC, Bruce JY, Kimple RJ, **Witek ME**. Reducing radiotherapy target volume expansion for patients with HPV-associated oropharyngeal cancer. Oral Oncol. 2019 May;92:52-56.

29. **Witek ME**, Harari PM. Invited Expert Commentary: Early Stage Oral Tongue Cancer with an Ipsilateral Nodal Recurrence Two Years Later: What do you treat? Gray Zone case, Int J Radiation Oncol Biol Phys. *In press*

30. Rydzewski NR, Harari P, Francis D, Hartig G, **Witek M**. Radiation Therapy for Head and Neck Cancer in Scleroderma Patients: A Case Series and Literature Review. JAMA Otolaryngol Head Neck Surg. 2019, Dec

31. Adam R. Burr MD, PhD, Paul M. Harari MD, Alyx M. Haasl, Aaron Wieland MD, Justine Y. Bruce MD, Randall J. Kimple MD, PhD, Gregory K. Hartig MD, Timothy M. McCulloch MD, and **Matthew E. Witek MD, MS.** Clinical Outcomes for Larynx Cancer Patients Treated with Refinement of High-Dose Radiation Treatment Volumes. *Head & Neck* 2020 Feb 14

**Submitted or In-Revision Peer-reviewed journal articles**

**Non-peer reviewed journal articles**

##### 1. Witek, M. Do you offer radiation in the setting of a resected desmoplastic melanoma with negative margins given that several retrospective studies show a local control benefit? the mednet January 3, 2017

##### 2. Witek, M. What is your preferred dose-fractionation regimen when treating high-risk SCC of the skin in elderly and/or frail patients? the mednet March 21, 2017

##### 3. Witek, M. Is ENI necessary for postoperative treatment of clinically N0 adenoid cystic carcinoma of the head and neck? the mednet April 24, 2018

4. **Witek, M.** Can a non-bulky, T1-2 supraglottic larynx cancer near the vocal cords be treated like a glottic tumor? the **med**net April 24, 2018

5. **Witek, M.** How do you manage chronic radiation laryngeal edema for patients treated with RT for a larynx primary in the past? The **med**net December 12, 2019

**Book Chapters**

1. **Witek ME**, Kruser TJ, Hoffman HT, Kandl C, Harari PM. *Hypopharynx (Chapter 49)****,*** 7th edition of Perez & Brady’s Principles and Practice of Radiation Oncology, Edited by Halperin EC, Wazer DE, Perez CA, Brady LW, Publisher-Lippincott Williams & Wilkins, 2018.
2. Ko HC, Cosper PF, **Witek ME.** *Targeting the PI3K/mTOR pathway*, Improving the Therapeutic Ratio in Head and Neck Cancer; Combining radiation and chemotherapy to improve the therapeutic ratio, Elsevier Science Press, 2019.

**Major Invited Speeches**

**Local**

##### 1. Witek, ME. Panel member for open-house in Oncology for the Pre-Medical Chapter of the Wisconsin Medical Society, Madison, WI, 2015

2. **Witek, ME.** *“Radiation Strategies for Head and Neck Cancer,”* 7th Annual Midwest Head and Neck Imaging Meeting, University of Wisconsin, 2016

3. **Witek, ME.** *“Head and Neck Cancer: Can less be MORE?,* Carbone Cancer Center Grand Rounds, University of Wisconsin, 2016

4. **Witek, ME.** “*Radiotherapy Benefits*,” Keynote Speaker for Accuray Inc. Retreat, Middleton, WI, 2016

5. **Witek, ME.**, “*Radiotherapy Benefits*,” Speaker for Accuray Inc. Retreat, Middleton, WI, 2017

6. **Witek, ME.** “*Understanding HPV and Oral Cancer: From Vaccination to Cancer Treatment Approaches*.” University of Wisconsin Department of Surgery and Oncology CME course, Wisconsin Institute for Discovery, Madison, WI: Presentation, “Tumor Board Discussion and Case Presentation,” 2019

7. **Witek, ME.**“*Understanding HPV and Oral Cancer: From Vaccination to Cancer Treatment Approaches*.” University of Wisconsin Department of Surgery and Oncology CME course, Wisconsin Institute for Discovery, Madison, WI: Presentation, “Treatment De-Escalation Efforts: Summary of Clinical Trials,” 2019

**National**

##### 8. Witek, ME. “Towards Standardization of Tumor Contouring,” Keynote Speaker at the American College of Veterinary Radiology (ACVR), Phoenix, AZ, 2017

9. **Witek, ME**. “Elective volumes in common Head and Neck cancers – identifying nodal and non-nodal volumes at risk”, Live SAM-CME Faculty at the American Society for Radiation Oncology, San Antonio, TX, 2018

10. **Witek, ME**. “Head and Neck Oncology: Where Are We Now and Where Are We Going?”, Lurie Cancer Center Multidisciplinary Head & Neck Symposium, Chicago, IL, 2018

11. **Witek, ME.** “Early Stage Larynx Cancer,” University of Maryland, 2019

12. **Witek, ME.** “Locally Advanced Larynx Cancer,” University of Maryland, 2019

13. **Witek, ME.** “Management of Oropharynx Cancers,” University of Maryland, 2019

14. **Witek ME.** “Management of Oral Cavity Cancers,” University of Maryland 2019

15. **Witek ME.** “Management of Oropharynx Cancers, Cases and Supporting Literature” University of Wisconsin 2019

16. **Witek ME.** “Contouring Guidelines for Larynx and Hypopharynx Cancers,” ASTRO Head and Neck Multi-Disciplinary Symposium, Scottsdale, AZ 2020

17. **Witek ME.** “TBD”, Lurie Cancer Center Multidisciplinary Head & Neck Symposium, Chicago, IL, 2021

**International**

15. **Witek, ME**., “Patterns of Care and Outcomes for N3 Head and Neck Squamous Cell Carcinoma: Review of the National Cancer Database”, ICHNO (ESTRO), Barcelona, Spain, 2017