

Refereed Papers and Articles

- 1) Mazur LM, Mosaly PR, Tracton G, Stiegler MP, Adams RD, **Chera BS**, Marks LB. Improving radiation oncology providers' workload and performance: Can simulation-based training help? *Pract Radiat Oncol*. 2017 Feb 17. pii: S1879-8500(17)30048-6. doi: 10.1016/j.prro.2017.02.005. [Epub ahead of print]. PMID: 28462896
- 2) Kaidar-Person O, Zagar TM, Deal A, Moschos SJ, Ewend MG, Sasaki-Adams D, Lee CB, Collichio FA, Fried D, Marks LB, **Chera BS**. The incidence of radiation necrosis following stereotactic radiotherapy for melanoma brain metastases: the potential impact of immunotherapy. *Anticancer Drugs*. 2017 Mar 31. doi: 10.1097/CAD.0000000000000497. [Epub ahead of print]. PMID: 28368903
- 3) VanderWalde NA, Deal AM, Comitz E, Stravers L, Muss H, Reeve BB, Basch E, Tepper J, **Chera B**. Geriatric Assessment as a Predictor of Tolerance, Quality of Life, and Outcomes in Older Patients With Head and Neck Cancers and Lung Cancers Receiving Radiation Therapy. *Int J Radiat Oncol Biol Phys*. 2016 Dec 2. pii: S0360-3016(16)33507-6. doi: 10.1016/j.ijrobp.2016.11.048. [Epub ahead of print] PMID: 28258889
- 4) **Chera BS**, Amdur RJ, Mendenhall W, Zevallos J, Hayes DN. Beware of deintensification of radiation therapy in patients with p16-positive oropharynx cancer and rheumatological diseases. *Pract Radiat Oncol*. 2016 Dec 16. pii: S1879-8500(16)30301-0. doi: 10.1016/j.prro.2016.12.004. [Epub ahead of print] PMID: 28242189
- 5) Wang K, Mullins BT, Falchook AD, Lian J, He K, Shen D, Dance M, Lin W, Sills TM, Das SK, Huang BY, **Chera BS**. Evaluation of PET/MRI for Tumor Volume Delineation for Head and Neck Cancer. *Front Oncol*. 2017 Jan 23;7:8. doi: 10.3389/fonc.2017.00008. eCollection 2017. PMID: 28168166
- 6) Wang K, Zanation AM, Chera BS. The Role of Radiation Therapy in the Management of Sinonasal and Ventral Skull Base Malignancies. *Otolaryngol Clin North Am*. 2017 Jan 16. pii: S0030-6665(16)30234-1. doi: 10.1016/j.otc.2016.12.014. [Epub ahead of print] Review.
- 7) Chera B, Wang K, Monroe A, Galloway T, Amdur R, Hayes DN, Zevallos J, Mendenhall WM. Truth or myth: Definitive chemoradiotherapy doesn't work for HPV/p16 negative oropharyngeal squamous cell carcinoma? *Oral Oncol*. 2017 Feb;65:125-126. doi: 10.1016/j.oraloncology.2016.12.001.
- 8) Holmes JA, Chera BS, Brenner DJ, Shuryak I, Wilson AK, Lehman-Davis M, Fried DV, Somasundaram V, Lian J, Cullip T, Marks LB. Estimating the excess lifetime risk of radiation induced secondary malignancy (SMN) in pediatric patients treated with craniospinal irradiation (CSI): Conventional radiation therapy versus helical intensity modulated radiation therapy. *Pract Radiat Oncol*. 2016 Jul 8. pii: S1879-8500(16)30113-8. doi: 10.1016/j.prro.2016.07.002.

- 9) Beitler JJ, Chera BS. Protons for Oropharyngeal Cancer Have Not Yet Justified Their Promise. *Int J Radiat Oncol Biol Phys*. 2016 Jul 15;95(4):1115-6.
- 10) Chera BS, Mazur L, Adams RD, Kim HJ, Milowsky MI, Marks LB. Creating a Culture of Safety Within an Institution: Walking the Walk. *J Oncol Pract*. 2016 Jun 21. pii: JOPR012864. [Epub ahead of print]
- 11) Wang K, Amdur RJ, Mendenhall WM, Green R, Aumer S, Hackman TG, Zanation AM, Zevallos JP, Patel SN, Weissler MC, Chera BS. Impact of post-chemoradiotherapy superselective/selective neck dissection on patient reported quality of life. *Oral Oncol*. 2016 Jul;58:21-6. doi: 10.1016/j.oraloncology.2016.04.015.
- 12) Benedict SH, Hoffman K, Martel MK, Abernethy AP, Asher AL, Capala J, Chen RC, Chera B, Couch J, Deye J, Efstathiou JA, Ford E, Fraass BA, Gabriel PE, Huser V, Kavanagh BD, Khuntia D, Marks LB, Mayo C, McNutt T, Miller RS, Moore KL, Prior F, Roelofs E, Rosenstein BS, Sloan J, Theriault A, Vikram B. Overview of the American Society for Radiation Oncology-National Institutes of Health-American Association of Physicists in Medicine Workshop 2015: Exploring Opportunities for Radiation Oncology in the Era of Big Data. *Int J Radiat Oncol Biol Phys*. 2016 Jul 1;95(3):873-9. doi: 10.1016/j.ijrobp.2016.03.006.
- 13) Mayo CS, Deasy JO, Chera BS, Freymann J, Kirby JS4, Hardenberg PH. How Can We Effect Culture Change Toward Data-Driven Medicine? *Int J Radiat Oncol Biol Phys*. 2016 Jul 1;95(3):916-21. doi: 10.1016/j.ijrobp.2015.12.355. Epub 2015 Dec 21.
- 14) Falchook AD, Green R, Knowles ME, Amdur RJ, Mendenhall W, Hayes DN, Grilley-Olson JE, Weiss J, Reeve BB, Mitchell SA, Basch EM, Chera BS. Comparison of Patient- and Practitioner-Reported Toxic Effects Associated With Chemoradiotherapy for Head and Neck Cancer. *JAMA Otolaryngol Head Neck Surg*. 2016 May 5. doi: 10.1001/jamaoto.2016.0656. [Epub ahead of print] PMID: 27149571
- 15) Mazur LM, Mosaly PR, Moore C, Comitz E, Yu F, Falchook AD, Eblan MJ, Hoyle LM, Tracton G, Chera BS, Marks LB. Toward a better understanding of task demands, workload, and performance during physician-computer interactions. *J Am Med Inform Assoc*. 2016 Mar 28. pii: ocw016. doi: 10.1093/jamia/ocw016. [Epub ahead of print] PMID: 27026617
- 16) Mazur LM, Campbell A, Planting D, Scott B, Lowen S, Mosaly P, Belger A, McCreery J, Chera B, Marks L. Positive Effects of Neurofeedback Intervention on Radiation Oncology Physicians' Workload during Go/No-Go Performance Test. *Travail Humain*. 2016. Accepted for publication.
- 17) Weiss J, Grilley Olson J, Deal AM, Chera B, Weissler M, Murphy BA, Hayes DN, Gilbert J. Using the galactose- α -1,3-galactose enzyme-linked immunosorbent assay to predict anaphylaxis in response to cetuximab. *Cancer*. 2016 Mar 15. doi: 10.1002/cncr.29978. [Epub ahead of print] PMID: 26989991

- 18)Chera BS, Mazur L, Adams RD, Marks LB. The Promise and Burden of Peer Review in Radiation Oncology. *J Oncol Pract.* 2016 Mar;12(3):196-8. doi: 10.1200/JOP.2015.008961. Epub 2016 Feb 2. PMID: 26837564
- 19)Stover A, Irwin DE, Chen RC, Chera BS, Mayer DK, Muss HB, Rosenstein DL, Shea TC, Wood WA, Lyons JC, Reeve BB. Integrating Patient-Reported Outcome Measures into Routine Cancer Care: Cancer Patients' and Clinicians' Perceptions of Acceptability and Value. *EGEMS (Wash DC).* 2015 Oct 29;3(1):1169. doi: 10.13063/2327-9214.1169. eCollection 2015.
- 20)Chera BS, Mazur L, Marks LB. Applying Normal Accident Theory to radiation oncology: Failures are normal but patient harm can be prevented. *Pract Radiat Oncol.* 2015 Sep-Oct;5(5):325-7. doi: 10.1016/j.pro.2015.07.005. Epub 2015 Jul 26.
- 21)Chera BS, Amdur R, Tepper J, Qaqish B, Green R, Hayes N, Weiss J, Grilley-Olson J, Zanation A, Hackman T, Funkhouse W, Sheets N, Weissler M, Mendenhall W. A Prospective Phase II Trial of De-intensified Chemoradiotherapy for Favorable-Risk HPV-associated Oropharyngeal Squamous Cell Carcinoma. *Int J Radiat Oncol Biol Phys.* 2015 Dec 1;93(5):976-85. doi: 10.1016/j.ijrobp.2015.08.033. Epub 2015 Aug 22. PMID: 26581135
- 22)Chera BS, Mazur L, Buchannan I, Kim HJ, Rockwell J, Milowsky M, Marks LB. Improving Patient Safety in Clinical Oncology: Applying Lessons from Normal Accident Theory. *JAMA Oncol.* 2015 Oct;1(7):958-64. doi: 10.1001/jamaoncol.2015.0891. PMID: 26182183
- 23)Mazur L, Chera B, Mosaly P, Taylor K, Tracton G, Johnson K, Comitz E, Adams R, Pooya P, Ivy J, Rockwell J, Marks LB. The association between event learning and continuous quality improvement programs and culture of patient safety. *Pract Radiat Oncol.* 2015 Sep-Oct;5(5):286-94. doi: 10.1016/j.pro.2015.04.010. Epub 2015 Jun 27. PMID: 26127007
- 24)Cancer Genome Atlas, N., Comprehensive genomic characterization of head and neck squamous cell carcinomas. *Nature*, 2015. 517(7536): p. 576-82.
- 25)Falchook A, Zevallos J, Chera BS. Increased risk of salivary gland cancer among patients with a previous cancer diagnosis. *Head Neck.* 2015 Jan 12. doi: 10.1002/hed.24016. [Epub ahead of print]
- 26)Joshi K, Huang B, Scagna L, Buchman C, Chera BS. Postoperative Radiotherapy for Diffuse Pigmented Villonodular Synovitis of the Temporomandibular Joint. *Am J Otolaryngol.* 2015 Jan-Feb;36(1):106-13. doi: 10.1016/j.amjoto.2014.10.017. Epub 2014 Oct 16. PMID: 25459320
- 27)Chera BS, Eisbruch A, Murphy BA, Ridge JA, Gavin P, Reeve BB, Bruner DW, Movsas B. Recommended Patient-Reported Core Set of Symptoms to Measure in Head and Neck Cancer Treatment Trials. *J Natl Cancer Inst.* 2014 Jul 8;106(7).

- 28) VanderWalde NA, Salloum R, Liu TL, Hornbrook MC, O'Keefe Rosetti MC, Ritzwoller DP, Fishman PA, Elston Lafata J, Khandani AH, Chera BS. Positron Emission Tomography and Stage Migration in Head and Neck Cancer Patients. *JAMA Otolaryngol Head Neck Surg.* 2014 Jul 1;140(7):654-61.
- 29) Fried D, Mullins B, Weissler M, Shores C, Zanation A, Hackman T, Shockley W, Hayes N, Chera BS. Prognostic significance of bone invasion for oral cavity squamous cell carcinoma considered T1/T2 by American joint committee on cancer size criteria. *Head Neck.* 2014 Jun; 36(6):776-81. Epub 2013 Jul 30.
- 30) VanderWalde NA, Meyer AM, Deal AM, Layton JB, Huan L, Carpenter WR, Weissler MC, Hayes DN, Fleming ME, Chera BS. Effectiveness of Chemoradiation for Head and Neck Cancer in an Older Patient Population. *Int J Rad Bio Phys.* 2014 May 1;89(1):30-7.
- 31) Mazur LM, Mosaly PR, Hoyle LM, Jones EL, Chera BS, Marks LB. Relating physician's workload with errors during radiation therapy planning. *Pract Radiat Oncol.* 2014 Mar-Apr;4(2):71-5. doi: 10.1016/j.prro.2013.05.010. Epub 2013 Jul 17.
- 32) Alford R, Fried D, Huang B, Weissler M, Shores C, Shockley W, Hackman T, Zanation A, Hayes N, Weiss J, Grilley-Olson J, Jewells V, Birchard K, Chera BS. Clinical Significance of Indeterminate Pulmonary Nodules in Patients with Locally Advanced Head and Neck Squamous Cell Carcinoma. *Head Neck.* 2014 March;36(3):334-9. Epub 2013 Jun 1.
- 33) Chera BS, Mazur L, Jackson M, Taylor K, Mosaly P, Chang S, Deschesne K, LaChapelle D, Hoyle L, Saponaro P, Rockwell J, Adams R, Marks L. Quantification of the impact of multifaceted initiatives intended to improve operational efficiency and the safety culture: A case study from an academic medical center radiation oncology department. *Pract Radiat Oncol.* 2014 Mar-Apr;4(2):e101-8. Epub 2013 Jun 29.
- 34) Lian J, Yuan L, Ge Y, Chera BS, Yoo DP, Chang S, Yin F, Wu QJ. Modeling the dosimetry of organ-at-risk in head and neck IMRT planning: an intertechnique and interinstitutional study. *Med Phys.* 2013 Dec;40(12):121704.
- 35) Mosaly P, Mazur L, Jones E, Hoyle L, Zagar T, Chera BS, Marks L. Quantifying the impact of cross coverage on physician's workload and performance in radiation oncology. *Pract Radiat Oncol.* 2013 Oct-Dec;3(4):e179-86. Epub 2-13 April 22.
- 36) Fried D, Lehman-Davis M, Willson A, Kostich M, Hackman T, Lian J, Burkhardt K, Chera BS. Dosimetric feasibility of sparing the primary site for oropharyngeal squamous cell carcinoma after transoral laser microsurgery in patients with unilateral positive neck nodes. *Pract Radiat Oncol.* 2013 Oct-Dec;3(4):282-6. Epub 2012 Nov 2.
- 37) Kohler RE, Sheets NC, Wheeler SB, Nutting C, Hall E, Chera BS. Two-year and lifetime cost-effectiveness of intensity modulated radiation therapy versus 3-dimensional conformal radiation therapy for head-and-neck cancer. *Int J Radiat Oncol Biol Phys.* 2013 Nov 15;87(4):683-9.

- 38) Yirmibesoglu E, Fried D, Kostick M, Rosenman J, Shockley W, Weissler M, Zanation A, Chera BS. Dosimetric evaluation of an ipsilateral intensity modulated radiotherapy beam arrangement for parotid malignancies. *Radiol Oncol*. 2013 Oct 8;47(4):411-8.
- 39) Higginson DS, Sahgal A, Lawrence MV, Moyer S, Stefanescu M, Willson AK, Qaqish B, Zanation A, Marks LB, Garg S, Chera BS. External beam radiotherapy for head and neck cancers is associated with increased variability in retinal vascular oxygenation. *PLoS One*. 2013 Aug 6;8(8):e69657.
- 40) VanderWalde N, Fleming M, Weiss J, Chera BS. Treatment of Older Patients with Head and Neck Cancer: A Review. *Oncologist*. 2013;18(5):568-78.
- 41) VanderWalde N, Meyer A, Liu H, Tyree S, Zullig L, Carpenter W, Shores C, Weissler M, Hayes D, Fleming M, Chera BS. Patterns of Care in Older Patients with Squamous Cell Carcinoma of the Head and Neck: A Surveillance Epidemiology and End Results-Medicare Analysis. *J Geriatr Oncol*. 2013 Jul;4(3):262-70.
- 42) Chera BS, Hayes N. In reply to Revannasiddaiah et al: "Less intensive therapy for human papilloma viruses associated oropharyngeal carcinoma; Throwing caution to the wind?" *Pract Radiat Oncol*. 2013;3:e97-e98.
- 43) Sheets NC, Wheeler S, Kohler R, Fried D, Brown P, Chera BS. Costs of care in a matched air comparison of intensity modulated radiotherapy therapy (IMRT) versus conventional radiation therapy (CRT) for the treatment of head and neck cancer. *Am J Clin Oncol*. 2013 Mar 4. Epub ahead of print.
- 44) Patel S, Hackman T, Hayes D, Chera BS. De-intensification of treatment for human papilloma virus associated oropharyngeal squamous cell carcinoma: A discussion of current approaches. *Pract Radiat Oncol*. 2012 October;2(4):282-287.
- 45) Fried D, Zanation A, Huang B, Hayes N, Weissler W, Hackman T, Shores C, Rosenman J, Morris D, Funkhouser W, Varia M, Chera BS. Patterns of local failure for sinonasal malignancies. *Pract Radiat Oncol*. 2012 August.
- 46) Fried D, Zanation AM, Huang B, Hayes N, Morris DE, Rosenman J, Varia M, Funkhouser W, Weissler M, Chera BS. Management of nonesthesioneuroblastoma sinonasal malignancies with neuroendocrine differentiation. *Laryngoscope*. 2012 Oct;122(10):2210-5. Epub 2012 Aug 9.
- 47) Yirmibesoglu E, Fried D, Shores C, Rosenman J, Weissler M, Hackman T, Chera BS. Incidence of Subclinical Nodal Disease at the Time of Salvage Surgery for Locally Recurrent Head and Neck Cancer Initially Treated With Definitive Radiation Therapy. *Am J Clin Oncol*. 2012 Jul 9.
- 48) Zhao N, Ang MK, Yin XY, Patel MR, Fritchie K, Thorne L, Muldre KL, Hayward MC, Sun W, Wilkerson MD, Chera BS, Hackman T, Zanation AM, Grilley-Olson JE, Couch ME, Shockley

- WW, Weissler MC, Shores CG, Funkhouser WK, Olshan AF, Hayes DN. Different cellular p16(INK4a) localization may signal different survival outcomes in head and neck cancer. *Br J Cancer*. 2012;107(3):482-90.
- 49)Fried D, Lawrence M, Khandani AH, Rosenman J, Cullip T, Chera BS. Is Image Registration of Fluorodeoxyglucose-Positron Emission Tomography/Computed Tomography for Head-and-Neck Cancer Treatment Planning Necessary? *Int J Radiat Oncol Biol Phys*. 2012 Nov 1;84(3):748-54.
- 50)Rosenberg L, Weissler M, Hayes DN, Shockley W, Zanation A, Rosenman J, Chera BS. Concurrent chemoradiotherapy for locoregionally advanced salivary gland malignancies. *Head Neck*. 2012 Jun;34(6):872-6.
- 51)Fried D, Weissler M, Shores C, Couch M, Hayes N, Hackman T, Zanation A, Qaqish B, Chera BS. Incidence of Nodal Disease After Nonsurgical Therapy in Head and Neck Squamous Cell Carcinoma Patients With Bilateral Neck Disease: Can a Bilateral Neck Dissection be Avoided? *Am J Clin Oncol*. 2012 Mar 2.
- 52)Chera BS, Jackson M, Mazur LM, Adams R, Chang S, Deschesne K, Cullip T, Marks LB. Improving quality of patient care by improving daily practice in radiation oncology. *Semin Radiat Oncol*. 2012 Jan;22(1):77-85.
- 53)Pawlicki T, Chera BS, Ning T, Marks LB. The systematic application of quality measures and process control in clinical radiation oncology. *Semin Radiat Oncol*. 2012 Jan;22(1):70-6.
- 54)Ang MK, Patel MR, Yin X, Sundaram S, Fritchie K, Zhao N, Liu Y, Freermerman AJ, Wilkerson MD, Walter V, Weissler MC, Shockley WW, Couch ME, Zanation AM, Hackman TG, **Chera BS**, Harris SL, Miller CR, Thorne L, Hayward MC, Funkhouser W, Olshan AF, Shores CG, Makowski L, Hayes DN. High XRCC1-protein expression is associated with poorer survival in patients with head and neck squamous cell carcinoma. *Clin Cancer Res*. 2011 Oct 15;17(20):6542-52.
- 55)Fried D, Khandani A, Shores C, Weissler M, Hayes N, Hackman T, Rosenman J, **Chera BS**. Matched cohort analysis of the effect of pretreatment positron emission tomography on clinical outcomes of patients with head and neck cancer treated with definitive chemoradiotherapy. *Head Neck*. 2011 Aug 18.
- 56)Patel SC, Carpenter WR, Couch M, Weissler M, Hackman T, Hayes DN, Shores C, **Chera BS**. Increasing Incidence of Squamous Cell Carcinoma of the Oral Tongue in Young White Females, ages 18-44. *J Clin Oncol*. 2011 Apr 10;29(11):1488-94.
- 57)**Chera BS**, Amdur RA, Morris C, Kirwan J, Mendenhall WM. T1 – T2 N0 squamous cell carcinoma of the glottic larynx treated with definitive radiotherapy. *Int J Radiat Oncol Biol Phys*. 2010 Oct 1;78(2):461-6.

- 58) **Chera BS**, Amdur RA, Morris C, Mendenhall WM. Carotid-sparing IMRT for early-stage squamous cell carcinoma of the true vocal cord. *Int J Radiat Oncol Biol Phys*. 2010 Aug 1;77(5):1380-5.
- 59) **Chera BS**, Vargas C, Louis D, Flampouri S, Yeung D, Olivier K, Duvvuri S, Li Z, Mendenhall NP. Pelvic proton radiotherapy for high-risk prostate cancer. *Int J Radiat Oncol Biol Phys*. 2009 Nov 15;75(4):994-1002.
- 60) **Chera BS**, Rodriguez C, Morris CG, Louis D, Yeung D, Li Z, Mendenhall NP. Dosimetric comparison of three different involved nodal irradiation techniques for stage II Hodgkin's lymphoma patients: conventional radiotherapy, intensity-modulated radiotherapy, and three-dimensional proton radiotherapy. *Int J Radiat Oncol Biol Phys*. 2009 Nov 15;75(4):1173-80.
- 61) Boulmay BC, **Chera BS**, Morris CG, Kirwan J, Riggs CE, Lawson M, Mendenhall WM. Definitive altered fractionation radiotherapy and concomitant weekly cisplatin for locally advanced head and neck cancer. *Am J Clin Oncol*. 2009 Oct;32(5):488-91.
- 62) **Chera BS**, Malyapa R, Louis D, Mendenhall WM, Li Z, Lanza D, Yeung D, Mendenhall NP. Proton therapy for maxillary sinus carcinoma. *Am J Clin Oncol*. 2009 Jun;32(3):296-303.
- 63) **Chera BS**, Amdur RJ, Mendenhall WM. A Radiation Oncologists Guide to Contouring the Hippocampus. *Am J Clin Oncol*. 2009 Feb;32(1):20-2.
- 64) **Chera BS**, Orlando C, Villaret D, Mendenhall WM. Follicular dendritic cell sarcoma of the head and neck: Case report and literature review. *Laryngoscope*. 2008 Sep;118(9):1607-12.
- 65) **Chera BS**, Villaret D, Orlando C, Mendenhall WM. Clear Cell Odontogenic Carcinoma of the Maxilla: A Case Report and Literature Review. *Am J Otolaryngol*. 2008 Jul-Aug;29(4):284-90.
- 66) **Chera BS**, Amdur RJ, Hinerman RW, Morris CG, Villaret DB, Werning JW, and Mendenhall WM. Definitive radiation therapy for squamous cell carcinoma of the soft palate. *Head Neck*. 2008 Aug;30(8):1114-9.
- 67) **Chera BS**, Oliver K, Morris CG, Lynch JW, Mendenhall NP. Clinical presentation and outcomes of lymphocyte-predominant Hodgkin's disease at the University of Florida. *Am J Clin Oncol*. 2007 Dec;30(6):601-6.
- 68) **Chera B**, Schaecher KE, Rocchini A, Imam SZ, Sribnick EA, Ray SK, Ali SF, Banik NL. Immunofluorescent labeling of increased calpain expression and neuronal death in the spinal cord of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-treated mice. *Brain Res*. 2004;1006(2):150-6.
- 69) **Chera B**, Schaecher KE, Rocchini A, Imam SZ, Ray SK, Ali SF, Banik NL. Calpain upregulation and neuron death in spinal cord of MPTP-induced parkinsonism in mice. *Ann N Y Acad Sci*. 2002 Jun;965:274-80.

PRESENTATIONS

Research

- 1) **Chera B**, Price A, Kostich M, Amdur R, Mendenhall W, Sheets N, Green R, Fried D, Das S, Marks L, Mavroidis P. Mean Contralateral Salivary Gland Dose (Parotid and Submandibular) Accurately Predicts for Patient-Reported Xerostomia After Deintensified Chemoradiation Therapy for Human Papillomavirus–Associated Oropharynx Cancer. ASTRO. Boston, MA. September 2016. Poster Presentation.
- 2) **Chera B**, Yechoor A, Stravers L, Camporeale J, Fleming M, Terzo L, Troxle M, Roth E, Tan X, Mazur L, Brown L, Pignone M, Mark L. Reducing Emergency Room Visits and Unplanned Hospital Admissions During Radiation Therapy in Patients With Head and Neck Cancer. ASTRO. Boston, MA. September 2016. Poster Presentation.
- 3) **Chera B**, Marks L, Mazur LM. Development and Test of Simulated Scenarios to Assess Radiation Therapy Physicians' Performance during Interaction with Computers. International Conference on Applied Human Factors and Ergonomics, Orlando, FL, July 2016. Oral presentation.
- 4) Mazur LM, Campbell A, Comitz E, Planting D, Lowen S, Mosaly P, Aysenil B, **Chera B**, Marks L. Neuro-feedback as Intervention to Improve Providers' Workload and Performance during Computer-based Tasks. International Conference on Applied Human Factors and Ergonomics, Orlando, FL, July 2016. Oral presentation.
- 5) **Chera B**, Gupta G, Weiss J, Griley-Olson J, Moore D, Zevallos J, Hackman T, Patel S, Zanation A, Weissler M, Hayes D. Phase Ib trial of Dose-escalating AZD1775 in Combination with Concurrent Radiation and Cisplatin for Intermediate and High Risk Head and Neck Squamous Cell Carcinoma (HNSCC). ASCO. Chicago, IL. June 2016. Poster Presentation
- 6) **Chera BS**, Amdur R, Tepper J, Qaqish B, Green R, Hayes N, Weiss J, Grilley-Olson J, Zanation A, Hackman T, Funkhouser W, Sheets N, Weissler M, Mendenhall W. A Prospective Phase II Trial of De-intensified Chemoradiotherapy for Favorable-Risk HPV-associated Oropharyngeal Squamous Cell Carcinoma. ESTRO. Turin, Italy. May 2016. Oral Presentation
- 7) M.J. Eblan, J.H. Myung, J.M. Caster, S.M. Miller, K. Wang, D.T. Moore, **B.S. Chera**, S. Hong, A.Z. Wang. Investigation of Circulating Tumor Cells From Cancer Patients Undergoing Radiation Therapy: A Pilot Study. ASTRO. San Antonio, TX. October 2015. Oral Presentation
- 8) S.M. Elnahal, L. Mazur, A. Blackford, G. Judy, W.K. Conley II, G. Tracton, T.R. McNutt, **B.S. Chera**, L.B. Marks, T.L. DeWeese, J.L. Wright, S.A. Terezakis. ASTRO. San Antonio, TX. October 2015. Oral Presentation
- 9) L. Mazur, P.R. Mosaly, G. Tracton, K.B. Taylor, K. Johnson, E. Comitz, R.D. Adams, **B.S. Chera**, L.B. Marks. A Quantitative Assessment of the Utility of Safety Barriers. ASTRO. San Antonio, TX. October 2015. Oral Presentation

- 10) D. Chang, M.E. Alley, R.D. Adams, A.C. Wilson, J. Church, E. Comitz, K. Deschesne, P.R. Mosaly, K.B. Taylor, K. Johnson, L. Terzo, J. Rockwell, K. Neuvirth, L. Stravers, L. Hoyle, G. Tracton, L. Mazur, L.B. Marks, **B.S. Chera**. Enhancing Patient Safety Mindfulness and Promoting a Safety Culture in Radiation Oncology Through the Use of an Event Learning System (ELS). ASTRO. San Antonio, TX. October 2015. Poster Presentation
- 11) K. Wang, R.J. Amdur, W.M. Mendenhall, R. Green, T. Hackman, A. Zanation, J. Zevallos, S. Patel, M. Weissler, **B.S. Chera**. Impact of Selective Neck Dissection Following Chemoradiation Therapy on Patient-Reported Quality of Life. ASTRO. San Antonio, TX. October 2015. Poster Presentation
- 12) A.C. Wilson, D. Chang, M.E. Alley, **B.S. Chera**, L. Mazur, E. Comitz, K. Deschesne, P.R. Mosaly, K.B. Taylor, J. Rockwell, L. Terzo, K. Neuvirth, L. Stravers, L. Hoyle, G. Tracton, R.D. Adams. The Stringency of Portal Film Approval: An In-House Retrospective Analysis of Regular Versus Cross-Coverage Variances in Radiation Oncology. ASTRO. San Antonio, TX. October 2015. Poster Presentation.
- 13) M.J. Dance, S. Das, C. Liu, R.J. Amdur, W.M. Mendenhall, **B.S. Chera**. Quality Comparison of Head and Neck Intensity Modulated Radiation Therapy Plans on a Prospective Multi-institutional Clinical Trial: Tomotherapy Versus IMRT Matched to a Low Anterior Neck Field. ASTRO. San Antonio, TX. October 2015. Poster Presentation.
- 14) N.A. VanderWalde, A.M. Deal, E. Comitz, L. Stravers, H. Muss, B. Reeve, E. Basch, **B.S. Chera**. Comprehensive Geriatric Assessment as a Predictor of Quality of Life and Toxicity in Older Patients Receiving Radiation. ASTRO. San Antonio, TX. October 2015. Oral Presentation.
- 15) A. Falchook, R. Green, M.E. Fleming, R.J. Amdur, W.M. Mendenhall, J. Grilley-Olson, N.N. Hayes, J. Weiss, B. Reeve, E. Basch, **B.S. Chera**. Factors Associated With Discordance Between Patient and Physician Reported Toxicity During Radiation Therapy for Head and Neck Cancer. ASTRO. San Antonio, TX. October 2015. Oral Presentation.
- 16) **Chera BS**, Amdur R, Tepper J, Qaqish B, Green R, Hayes N, Weiss J, Grilley-Olson J, Zanation A, Hackman T, Funkhouser W, Sheets N, Weissler M, Mendenhall W. A Prospective Phase II Trial of De-intensified Chemoradiotherapy for Favorable-Risk HPV-associated Oropharyngeal Squamous Cell Carcinoma. ASTRO. San Antonio, TX. October 2015. Oral Presentation
- 17) Mazur L, **Chera B**, Mosaly P, Taylor K, Tracton G, Johnson K, Comitz E, Adams R, Pooya P, Ivy J, Rockwell J, Marks L. Quantitative Assessment of the Utility of Safety Barriers. ASTRO. San Antonio, TX. October 2015. Oral Presentation
- 18) Lian J, Matney J, Chao E, Chang S, Zagar T, Wang A, **Chera B**, Das S, Shreiber E. Impact of Intrafractional Motion On Tomotherapy Stereotactic Body Radiotherapy (SBRT) 4D Dosimetry. AAPM. Anaheim, CA. July 2015. Oral Presentation.

- 19)Dance M, **Chera B**, Falchook A, Das S, Lian J. Gradient Based Method of Target Delineation On PET/MR Image of Head and Neck Cancer Patients. AAPM. Anaheim, CA. July 2015. Oral Presentation.
- 20)Mateny J, Lian J, Chao E, **Chera B**, Marks L, Das S. Quantitative Assessment of Plan Robustness for Helical Tomotherapy for Head and Neck Cancer Radiotherapy. AAPM. Anaheim, CA. July 2015. Poster Presentation.
- 21)Weiss J, Gilbert J, Grilley-Olson J, Deal A, Chera B, Lia J, Murphy B, Weissler M, Hayes D. Response rates, toxicity, and quality of life for locally regionally advanced head and neck squamous cell carcinoma after induction chemotherapy with weekly nab-paclitaxel, carboplatin, and cetuximab. ASCO. Chicago, IL. June 2015. Poster presentation. J Clin Oncol 33, 2015 (suppl; abstr 6030)
- 22)Eblan M, Myung J, Caser J, Miller S, Moore D, **Chera B**, Hong S, Wang A. Prospective characterization of circulating tumor cells (CTCs) in head and neck cancer patients receiving definitive radiotherapy. ASCO. Chicago, IL. June 2015. J Clin Oncol 33, 2015 (suppl; abstr e22040)
- 23)VanderWalde N, Deal A, Comitz E, Stravers L, Muss H, **Chera BS**. Functional age and tolerance to radiotherapy: A prospective study of a Comprehensive Geriatric Assessment. ASCO. Chicago, IL. June 2015. J Clin Oncol 33, 2015 (suppl; abstr e20534)
- 24)Falchook A, Tracton G, Stravers L, Fleming M, Reeve B, Basch E, **Chera BS**. Use of mobile device technology to collect patient-reported symptoms during radiotherapy for head and neck cancer: A prospective feasibility study. ASCO. Chicago, IL. June 2015. Poster presentation. J Clin Oncol 33, 2015 (suppl; abstr 9599)
- 25)**Chera BS**, Amdur RA, Tepper JT, Qaqish B, Green R, Qaqish B, Hayes D, Weissler M, Weiss J, Hackman T, Zanation AM, Patel S, Zevallos J, Grilley-Olson JE, Funkhouser WK, Sheets NC, Mendenhall WM. A prospective phase II trial of de-intensified chemoradiotherapy for low-risk HPV-associated oropharyngeal squamous cell carcinoma. ASCO. Chicago, IL. June 1st, 2015. Oral presentation. J Clin Oncol 33, 2015 (suppl; abstr 6004)
- 26)**Chera BS**, Deschense K, Mosaly P, Tracton G, Stravers L, Hoyle L, Neuvirth K, Taylor K, Rockwell J, Marks L, Mazur L. Lessons From a Prospective Incident Learning System: Focus on Physician-Specific “Errors/Near-Misses” and “Errors” that Reached the Patient. American Society of Therapeutic Radiation Oncology. San Francisco, CA. September 17, 2014. Oral Presentation.
- 27)Stover AM, Irwin DE, Chen RC, **Chera BS**, Mayer DK, Muss HB, Rosenstein DL, Shea TC, Wood WA, Lyons JC, Reeve BB. A pilot study implementing real-time, electronic patient-reported data into cancer care: Cancer patients’ and clinicians’ perceptions of acceptability and value. Poster presented at the annual meeting of Academy Health, San Diego, CA. May 2014. *Poster presentation.*

- 28) **Chera BS**, Parikh A, Carter J, Zagar T, Chen R, Sasaki-Adams D, Adunka O, Ewend M, Schreiber E. Effect of node and beam-reduction optimization on the integral dose to the brain for robotic radiosurgery brain cases. American Society of Therapeutic Radiation Oncology. Atlanta, GA. September 2013. *Poster presentation.*
- 29) Higginson DS, Sahgal A, Lawrence MV, Moyer S, Stefanescu M, Willson AK, Qaqish B, Zanation A, Marks LB, Garg S, **Chera BS**. External beam radiotherapy for head and neck cancers is associated with increased variability in retinal vascular oxygenation. American Society of Therapeutic Radiation Oncology. Atlanta, GA. September 2013. *Poster presentation.*
- 30) Willson A, **Chera BS**, Stitzenberg K, Myers M, Moschos S, Lee C, Collichio F, Frank J, Ollila D. Treatment Outcomes and Patterns of Failure for Desmoplastic Melanoma. American Society of Therapeutic Radiation Oncology. Atlanta, GA. September 2013. *Poster presentation.*
- 31) Willson A, Shuryak I, Fried D, Lehman-Davis M, Somasundaram V, Lian J, Cullip T, Brenner D, Marks L, **Chera BS**. Estimating the Excess Lifetime Risk of Radiation-Induced Secondary Malignancy (SMN) in Pediatric Patients Treated with Craniospinal Irradiation (CSI): Tomotherapy (Tomo) Versus Conventional (Conv) Beams. American Society of Therapeutic Radiation Oncology. Atlanta, GA. September 2013. *Poster presentation.*
- 32) VanderWalde N, Meyer A, Deal A, Layton J, Liu H, Carpenter W, Weissler M, Fleming M, Hayes D, **Chera BS**. The Effectiveness of Chemoradiation for Head-and-Neck Cancer in an Older Patient Population. American Society of Therapeutic Radiation Oncology. Atlanta, GA. September 2013. *Poster Discussion.*
- 33) **Chera BS**, Qaqish B, Weissler M, Hayes D, Shores C, Monroe A, Anderson R, Wu Justin, Grilley-Olson Juneko, Weiss Jared, Hackman T, Zanation M, Mendenhall M, Amdur R. Phase II study of de-intensification of radiation and chemotherapy for low-risk HPV-related oropharyngeal squamous cell carcinoma. ASCO. Chicago, IL. June 2013. *Poster presentation.*
- 34) VanderWalde N, Salloum R, Liu T, Hombrook M, O’Keeffe-Rosetti M, Ritzwoller D, Fishman P, Lafata J, Khandani A, **Chera BS**. Positron emission tomography and stage migration for head and neck cancer. American Society of Clinical Oncology. Chicago, IL. June 2013. *Poster discussion.*
- 35) Mazur L, Mosaly P, **Chera BS**, Marks L. Exploring Association Between Mental Workload and Performance in Radiotherapy Planning. Industrial and Systems Engineering Research Conference. San Juan, Puerto Rico. May 2013. *Poster presentation.*
- 36) Mazur L, Mosaly P, **Chera BS**, Marks L. Physicians Mental Workload Quantification during Cross-coverage in Radiation Treatment Planning. Industrial and Systems Engineering Research Conference. San Juan, Puerto Rico. May 2013. *Poster presentation.*

- 37) Alford R, Fried D, Huang B, Weissler M, Shores C, Shockley W, Hackman T, Zanation A, Hayes N, Weiss J, Grilley-Olson J, Jewells V, Birchard K, **Chera BS**. Significance of Indeterminate Pulmonary Nodules in Patients with Locally Advanced Head and Neck Squamous Cell Carcinoma. American Roentgen Ray Society. Washington, DC. April 2013. *Poster presentation.*
- 38) VanderWalde NA, Fried D, Kostich M, Schreiber E, **Chera BS**. A Dosimetric Study of the Effect of Patient Positioning on the Incidental Radiation Dose to the Larynx for Patients Treated for Head and Neck Squamous Cell Carcinoma. American Society of Radiation Oncology. Boston, MA. October 2012. *Poster presentation.*
- 39) Fried D, Lehman-Davis M, Hackman T, Kostich M, Lian J, Burkhardt K, **Chera BS**. Dosimetric Effect of Sparing the Primary Site for Oropharyngeal Squamous Cell Carcinoma After Transoral Laser Microsurgery. American Society of Radiation Oncology. Boston, MA. October 2012. *Poster presentation.*
- 40) Fried D, Zanation A, Huang B, Hayes N, Weissler W, Hackman T, Shores C, Rosenman J, Morris D, Funkhouser W, Varia M, **Chera BS**. Patterns of local failure for sinonasal malignancies. American Society of Radiation Oncology. Boston, MA. October 2012. *Poster presentation.*
- 41) VanderWalde N, Meyer A, Zullig L, Tyree S, Carpenter W, Weissler, M, Shores C, Hayes D, **Chera, BS**. Patterns of Care in Elderly Patients with Squamous Cell Carcinoma of the Head and Neck: A SEER-Medicare Analysis. American Society of Clinical Oncology. Chicago, IL. May 2012. *Poster presentation.*
- 42) **Chera BS**, Marks L, Mazur L, Jackson M, Chang S, Adams R, Burkhardt K, Jones E, Saponaro P, LaChapelle D, Baynes D, Rockwell J. A Multifaceted Approach to Enhance Patient Safety and Quality Improvement: A Case Study from Radiation Oncology Clinic. Industrial Engineers Society Conference and Expo. Orlando, FL. May 2012. *Oral presentation.*
- 43) Sheets NC, Wheeler SB, Kohler RK, Fried DV, Brown PM, **Chera BS**. Differences in Billing Charges in a Matched Pair Comparison of Intensity Modulated Radiation Therapy (IMRT) versus 3-D Conformal Radiation Therapy (CRT) for the Treatment of Head and Neck Cancer. Multidisciplinary Head and Neck Cancer Symposium. Phoenix, AZ. 2012. *Oral and poster presentation.*
- 44) VanderWalde NA, Tyree SD, Meyer AM, Carpenter WR, Muss HB, Shores CG, Weissler MC, Hayes DN, **Chera BS**. SEER-Medicare Analysis of Patterns of Care for Elderly Patients with Squamous Cell Carcinoma of the Head and Neck. Multidisciplinary Head and Neck Cancer Symposium. Phoenix, AZ. 2012. *Poster presentation.*
- 45) Fried D, Zanation S, Huang B, Hayes N, Morris D, Rosenman J, Varia M, Funkhouser W, Weissler M, **Chera BS**. Outcomes of Non-Esthesioneuroblastoma Sinonasal Neuroendocrine Tumors. Multidisciplinary Head and Neck Cancer Symposium. Phoenix, AZ. 2012. *Poster presentation.*

- 46) Sheets NC, Fortune-Greeley AK, **Chera BS**, Brown PM. Comparative Outcomes and Cost Analysis of Transoral Laser Microsurgery versus Definitive Radiation Therapy in the Treatment of Oropharyngeal Squamous Cell Carcinoma. American Society for Therapeutic Radiology and Oncology. Miami, FL. October 2011. *Oral presentation.*
- 47) **Chera BS**, Patel SC, Tyree S, Couch M, Weissler M, Hackman T, Hayes D, Shores C, Carpenter WR. Increasing Incidence of Squamous Cell Carcinoma of the Oral Tongue in Young White Females, ages 18-44. American Society for Therapeutic Radiology and Oncology. Miami, FL. October 2011. *Poster presentation.*
- 48) Higginson DS, Lawrence MV, Qaqish B, Moyer S, Bailey J, Riguera D, Sahgal A, Marks LB, Garg S, **Chera BS**. Radiation-Induced Changes in Retinal Oxygenation and Function: In-vivo Assessments in Human Patients Using Retinal Oximetry. American Society for Therapeutic Radiology and Oncology. Miami, FL. October 2011. *Poster presentation.*
- 49) Fried D, Lawrence M, Khandani A, Rosenman J, Cullip T, **Chera BS**. Is Image Registration of FDG-PET for Head and Neck Treatment Planning Necessary? American Society for Therapeutic Radiology and Oncology. Miami, FL. October 2011. *Poster presentation.*
- 50) Yirmibesoglu E, Kostich M, Fried D, Rosenman J, Shockley W, Weissler M, Zanation A, **Chera BS**. Dosimetric Evaluation of an Ipsilateral Intensity Modulated Radiotherapy Beam Arrangement for Parotid Malignancies. American Society for Therapeutic Radiology and Oncology. Miami, FL. October 2011. *Poster presentation.*
- 51) Fried D, Hackman T, Weissler M, Shores C, Rosenman J, **Chera BS**. Effect of Bone Invasion on Local Control for Tumors Considered T1/T2 by AJCC Size Criteria. American Society for Therapeutic Radiology and Oncology. Miami, FL. October 2011. *Poster presentation.*
- 52) Yirmibesoglu E, Fried D, Rosenman J, Weissler M, Shores C, Hackman T, **Chera BS**. Incidence of Subclinical Nodal Disease at the Time of Salvage Surgery for Locally Recurrent Head Neck Cancer Initially Treated with Definitive Radiation Therapy. American Society for Therapeutic Radiology and Oncology. Miami, FL. October 2011. *Poster discussion.*
- 53) Fried D, Khandani A, Shores C, Weissler M, Hayes N, Hackman T, Rosenman J, **Chera BS**. Matched Cohort Analysis of the Effect of Pre-treatment Positron Emission Tomography on Clinical Outcomes of Head and Neck Cancer Patients Treated with Definitive Chemoradiotherapy. American Society for Therapeutic Radiology and Oncology, Miami, FL. October 2011. *Poster presentation.*
- 54) Lawrence M, Garg S, Higginson DS, Moyer S, Marks LB, **Chera BS**. A Novel Method for Evaluating Physiological Changes in Retinal Oxygenation and Function Following Radiation Therapy. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL. May 2011. *Poster presentation.*
- 55) Higginson DS, Lawrence MV, Moyer S, Bailey J, Marks LB, Garg S, **Chera BS**. Retinal Oximetry: a Novel Imaging Technology for Evaluating the Physiologic Changes in Retinal

Oxygenation following Radiation Therapy. Cancer Imaging and Radiation Therapy Symposium: A Multidisciplinary Approach. Atlanta, GA. April 2011. *Poster presentation.*

- 56) Rosenberg L, Weissler MC, Hayes DN, Shockley WW, Rosenman JG, **Chera BS**. Concurrent chemoradiotherapy for loco-regionally advanced salivary gland malignancies. Radiological Society of North America. Chicago, IL. Nov. 2011. *Oral presentation.*
- 57) Tang X, **Chera BS**, Lian J, Deschesne K, and Chang S. A study on image guided radiotherapy using cone-beam computed tomography (CBCT) for head and neck cancer IMRT patient setup. American Association of Physicists in Medicine. Philadelphia, PA. July 2010. *Poster presentation.*
- 58) **Chera BS**, Amdur RA, Morris C, Mendenhall WM. Carotid-sparing IMRT for early-stage squamous cell carcinoma of the true vocal cord. American Society for Therapeutic Radiology and Oncology Multidisciplinary Head and Neck Cancer Symposium. Chandler, AZ. February 2010. *Poster presentation.*
- 59) Mendenhall WM, **Chera BS**, Morris C, Kirwan J, Amdur RA. T1 - T2 N0 Squamous Cell Carcinoma of the Glottic Larynx Treated with Radiotherapy Alone. American Society for Therapeutic Radiology and Oncology. Chicago, IL. November 2009. *Poster presentation.*
- 60) **Chera BS**, Vargas C, Louis D, Flampouri S, Yeung D, Olivier K, Duvvuri S, Li Z, Mendenhall NP. Pelvic proton radiotherapy for high-risk prostate cancer. American Society for Therapeutic Radiology and Oncology. Boston, MA. September 2008. *Poster presentation.*
- 61) Rodriguez C, **Chera BS**, Morris CG, Louis D, Yeung D, Li Z, Mendenhall NP. Involved Nodal Proton Radiotherapy for Stage II Hodgkin's Lymphoma. American Society for Therapeutic Radiology and Oncology. Boston, MA. September 2008. *Poster discussion.*
- 62) **Chera BS**, Malyapa R, Louis D, Mendenhall WM, Li Z, Lanza D, Yeung D, Mendenhall NP. Proton therapy for maxillary sinus carcinoma. American Head and Neck Society. San Francisco, CA. July 2008. *Poster presentation.*
- 63) **Chera BS**, Vargas C, Louis D, Flampouri S, Yeung D, Olivier K, Duvvuri S, Li Z, Mendenhall NP. Pelvic proton radiotherapy for high-risk prostate cancer. Proton Therapy Co-Operative Group. Jacksonville, FL. May 2008. *Oral presentation.*
- 64) Rodriguez C, **Chera BS**, Morris CG, Louis D, Yeung D, Li Z, Mendenhall NP. Involved Nodal Proton Radiotherapy for Stage II Hodgkin's Lymphoma. Proton Therapy Co-Operative Group. Jacksonville, FL. May 2008. *Poster.*
- 65) **Chera BS**, Malyapa R, Louis D, Mendenhall WM, Li Z, Lanza D, Yeung D, Mendenhall NP. Proton therapy for maxillary sinus carcinoma. Proton Therapy Co-Operative Group. Jacksonville, FL. May 2008. *Poster.*

- 66) **Chera BS**, Vargas C, Louis D, Flampouri S, Yeung D, Olivier K, Duvvuri S, Li Z, Mendenhall NP. Pelvic proton radiotherapy for high-risk prostate cancer. University of Florida Outcomes Tracking Seminar. Gainesville, FL. February 2008. *Oral presentation.*
- 67) **Chera BS**, Amdur RJ, Hinerman RW, Morris CG, Villaret DB, Werning JW, and Mendenhall WM. Definitive radiation therapy for squamous cell carcinoma of the soft palate. American Society for Therapeutic Radiology and Oncology. Los Angeles, CA. October 2007. *Poster.*
- 68) **Chera BS**, Olivier K, Morris C, Lynch JW, Mendenhall NP. Clinical presentation and outcomes of lymphocyte-predominant Hodgkin's disease at the University of Florida. Florida Cancer Conference. Palm Beach, FL. September 2007. *Oral presentation.*
- 69) **Chera BS**, Amdur RJ, Hinerman RW, Morris CG, Villaret DB, Werning JW, and Mendenhall WM. Definitive radiation therapy for squamous cell carcinoma of the soft palate. University of Florida Outcomes Tracking Seminar. Gainesville, FL. February 2007. *Oral presentation.*
- 70) **Chera BS**, Amdur RJ, Hinerman RW, Morris CG, Villaret DB, Werning JW, Mendenhall WM. Definitive radiation therapy for squamous cell carcinoma of the soft palate. University of Florida Radiation Therapist Seminar. Gainesville, FL. February 2007. *Oral presentation.*
- 71) **Chera BS**, Olivier K, Morris C, Lynch JW, Mendenhall NP. Clinical presentation and outcomes of lymphocyte-predominant Hodgkin's disease at the University of Florida. American Society for Therapeutic Radiology and Oncology. Philadelphia, PA. November 2006. *Poster.*
- 72) **Chera BS**, Olivier K, Morris C, Lynch JW, Mendenhall NP. Clinical presentation and outcomes of lymphocyte-predominant Hodgkin's disease at the University of Florida. University of Florida Outcomes Tracking Seminar. Gainesville, FL. February 2006. *Oral presentation.*
- 73) **Chera B**, Rocchini A, Scahaecher KE, Imam SZ, Ray SK, Ali SF, Banik NL. Spinal cord neuron death in methyl-4-phenyl-1,2,3,6-tetrahydropyridine induced Parkinsonism. American Society for Neurochemistry Meeting. West Palm Beach, FL. June 2002. *Poster.*
- 74) Giles AK, **Chera B**, Ramsey RB, Rocchini A, Imam SZ, Ali SF, Ray SK, Banik NL. Progressive neurotoxic effect of MPTP in the cerebellum of C57BL/6N mice. Society for Neuroscience Meeting. San Diego, CA. November 2002. *Poster.*
- 75) **Chera B**, Chism J, Dimaculangan D. Determining maternal inheritance by mtdna genetic comparison of the de Brazza's Monkeys (*cercopithecus neglectus*). Association of Southern Biologist Conference. Chattanooga, TN. April 2000. *Poster.*

Invited Talks

- 1) **Chera B**. De-intensification of Therapy for HPV+ Oropharyngeal Cancer. ACRO. Orlando, FL. March 2017.

- 2) **Chera B.** Tailoring Treatment for Oropharynx Cancer: *De-intensification and Intensification*. Department of Radiation Oncology, Mayo Clinic, Mayo Clinic, Rochester, MN. March 2nd 2017.
- 3) **Chera B.** Treatment of Oropharynx Cancer: *Past, Present and Future*. Mayo Clinic Oncology Society, Mayo Clinic, Rochester, MN. March 2nd 2017.
- 4) **Chera B.** Deintensification of radiation and chemotherapy for oropharynx cancer. REX UNC health care, REX cancer center, Raleigh, NC. December 2016. Oral presentation.
- 5) **Chera B.** The Quality Gap. Vidant Medical Center, Leo Jenkins Cancer Center, Greenville, NC. December 2016. Oral presentation.
- 6) **Chera B,** Doyle L, Dicker A, Beron P. RO-ILS and APEX: Instruments for Quality Improvement. ASTRO. Boston, MA. September 2016. Moderator for oral panel discussion.
- 7) **Chera B,** Holsinger C, Yom S, Gillison M. Tailoring Treatment for Oropharynx Cancer: Intensification and De-intensification. ASTRO. Boston, MA. September 2016. Moderator for oral panel discussion.
- 8) **Chera B.** Optimizing Quality and Value in Multi-modality Management of Head and Neck Cancer. ASTRO. Boston, MA. September 2016. Oral Presentation.
- 9) **Chera B.** ARRO Meet the Professor Reception. ASTRO. Boston, MA. September 2016. Speaker.
- 10) **Chera B.** The Quality Gap. ASTRO. Boston, MA. September 2016. Oral Presentation.
- 11) Zevallos J, **Chera B,** Hayes N, Duvvuri U, Fakhry C. Management of High-Risk HPV-Positive Oropharyngeal Cancer. AAO-HNSF & OTO EXPO. San Diego, CA. Septembers 18th, 201. *Oral panel discussion*
- 12) **Chera B.** Tailoring Treatment for Orophayrnx Cancer: *Intensification and De-intensification*. Newton D. Fischer Society Meeting. University of North Carolina, Department of Otolaryngology. Chapel Hill, NC. June 4th, 2016
- 13) **Chera B.** Reducing Emergency Room Visits and Unplanned Admissions in Patients with Head and Neck Cancer. Commission on Cancer Survey. University of North Carolina Hospitals. Chapel Hill, NC. March 14, 2016
- 14) **Chera B.** Creating a Culture of Safety within an Institution: *Walking the Walk*. ASCO Quality Care Symposium. Phoenix, AZ. February 27th, 2016
- 15) **Chera B.** Phase II Trial of De-intensified Chemoradiotherapy for Favorable-Risk HPV-associated Oropharyngeal Squamous Cell Carcinoma. ASCO/ASTRO Multidisciplinary Head and Neck Symposium. Scottsdale, AZ. February 18th, 2016.

- 16) **Chera B.** Tailoring Radiation Treatment for Oropharynx Cancer in the HPV era. ASCO/ASTRO Multidisciplinary Head and Neck Symposium. Scottsdale, AZ. February 18th, 2016.
- 17) **Chera B.** Radiation Therapy for Melanoma Brain Metastases. 10th annual UNC Conference on Melanoma: A Multidisciplinary Perspective. Chapel Hill, NC. February 11th, 2016.
- 18) **Chera B.** Treatment of HPV positive and HPV negative Oropharyngeal Cancer. UNC Cancer Network TeleHealth Lecture. University of North Carolina at Chapel Hill. Chapel Hill, NC. January 27th, 2015.
- 19) **Chera B.** De-intensified Treatment for HPV-associated Oropharyngeal Cancer: *Pros & Cons of Current Approaches*. Medical University of South Carolina. Charleston, SC. November 20th, 2015.
- 20) **Chera B,** Kimple R, Quon H, Galloway T. Radiation Therapy following Trans Oral Surgery for Oropharynx Cancer: *When, what, and how to treat*. ASTRO. San Antonio, TX. October 2015. Panel Discussion (Moderator and Panel Presentation).
- 21) Reducing Unplanned Inpatient Hospital Admissions for Cancer Patients. Institute for Healthcare Quality Improvement Seed Grant Program Symposium. UNC, Chapel Hill. May 5th 2015.
- 22) Healthcare Quality Improvement: *"Catching up" to other Industries*. Leadership Raleigh 30 - Healthcare Day TED Style Talks. Chamber of Raleigh, Raleigh, NC. March 9th, 2015
- 23) 3P's of Radiation Oncology: *Pregnancy, Pacemaker, Prior Radiation*. UNC School of Medicine Institute of Healthcare Quality Improvement, Physician Engagement in Quality & Safety Seminar. UNC Healthcare Eastowne Campus. Chapel Hill, NC. February 18, 2015.
- 24) Role of Radiation Therapy in Melanoma and Merkel Cell Carcinoma. 9th annual UNC Conference on Melanoma: A Multidisciplinary Perspective. Chapel Hill, NC. February 12th, 2015.
- 25) Radiation Therapy and Chemotherapy De-Intensification for Human Papilloma Virus – associated Oropharyngeal Squamous Cell Carcinoma. REX Healthcare. Raliegh, NC. October 29, 2014.
- 26) 3P's of Radiation Oncology: *Pregnancy, Pacemaker, Prior Radiation*. UNC School of Medicine Institute of Healthcare Quality Improvement, Physician Engagement in Quality & Safety Seminar. UNC Healthcare Eastowne Campus. Chapel Hill, NC. October 22, 2014.
- 27) Radiation Therapy and Chemotherapy De-Intensification for Human Papilloma Virus – associated Oropharyngeal Squamous Cell Carcinoma. Tumor Board, High Point Regional Healthcare Cancer Center. High Point, NC. October 15, 2014.

- 28) De-intensification of Radiotherapy and Chemotherapy for Low-risk HPV associated Oropharyngeal Squamous Cell Carcinoma. UNC High Point Regional Cancer Center. High Point, NC. October 15, 2014
- 29) Radiation Oncologist Engagement in Quality and Safety Leadership. American Society of Therapeutic Radiation Oncology, 56th annual meeting. San Francisco, CA. September 13th, 2014.
- 30) Panelist, Lean project success at UNC. CDC sponsored seminar on Applying "Lean" to Improve Cancer Care. University of North Carolina. Chapel Hill, NC. June 27, 2014.
- 31) Physician Engagement in Patient Safety and Quality Improvement. Institute of Industrial Engineering Raleigh Chapter 066, Lean Application Perspective. University of North Carolina. Chapel Hill, NC. June 26, 2014.
- 32) Effectiveness of Chemoradiotherapy for Head and Neck Cancer in an Older Patient Population. University of Florida Department of Radiation Oncology Outcomes Tracking Seminar. Gainesville, FL, February 21, 2014.
- 33) Improving Patient Safety and Quality in Radiation Oncology. Hawaii Society of Clinical Oncology Annual Meeting. Honolulu, HI. November 16, 2013.
- 34) Design and Implementation of Lean Practices into Healthcare Delivery Systems: Improving Patient Safety and Quality in Radiation Oncology. UNC Cancer Network TeleHealth Lecture. November 6, 2013.
- 35) Improving Patient Safety and Quality in Radiation Oncology. American Association of Physicists in Medicine New England Chapter Fall Meeting. Dedham, MA. October 25, 2013.
- 36) Consultants Meeting on Clinical Quality Assurance in Radiotherapy and the Roles of the Radiation Oncologist, International Atomic Energy Agency, Vienna, Austria. October 2 – 3, 2013.
- 37) Discussant for Scientific Session: Patient Safety Abstracts # 292 - 295. American Society of Therapeutic Radiation Oncology. Atlanta, GA. September 25, 2013.
- 38) Improving Patient Safety and Quality in Radiation Oncology. VHA National Radiation Oncology Program Advancing Technologies & Treatments Training Conference. Atlanta, GA. September 21, 2013.
- 39) Trending Quality Metrics in Radiation Oncology. Corrective Action Program Owner's Group Conference. Charlotte, NC. August 21, 2013.
- 40) Commencement speech. University of North Carolina Radiation Dosimetry and Therapy Graduation Ceremony. Chapel Hill, NC. August 4, 2013.

- 41) Synergism of Operational Efficiency, Quality, & Safety. University of Chicago visiting professor. Chicago, IL. July 22, 2013.
- 42) Developing High Reliability in Radiation Oncology. Human Performance – Observation/Root Cause/ Corrective Action – Trending/Self-assessment and Operating Experience Conference. Charlotte, NC. June 12, 2013.
- 43) Fostering a Patient Safety Culture in Radiation Oncology. Quality & Safety in Radiation Therapy Education Course. Princess Margaret Hospital, Toronto, CN. November 14, 2012.
- 44) Indications for the use of radiation therapy in the management of advanced non-melanomatous skin cancers. 98th Annual American College of Surgeons Clinical Congress, Chicago, FL. October 2012.
- 45) Patient Safety and the Role of the Physician. Sun Nuclear 2011 QA & Dosimetry Symposium, Orlando, FL. February 2011.
- 46) Goal sheet - a systematic TP QA system for HN IMRT. 4th Annual NC IMRT/IGRT Symposium. Greensboro, NC. October 2010.
- 47) Radiation therapy for head and neck cancer. 34th Annual University of North Carolina, Internal Medicine Conference, Chapel Hill, NC. April 2010.
- 48) Radiation therapy for skin cancers. University of Florida Skin Cancer Symposium, Daytona Beach, FL. September 2007.