

# Academic Activities, Grants and Accolades in Radiation Oncology 2018

## **PUBLISHED PAPERS/MONOGRAMS:**

1. Balagamwala, EH, Miller JA, Reddy CA, Angelov L, Suh JH, Tariq MB, Murphy ES, Yang K, Djemil T, Magnelli A, Mohammadi AM, Soeder S, Chao ST. Recursive partitioning analysis is predictive of overall survival for patients undergoing spine stereotactic radiosurgery. *J Neurooncol* 137(2): 289-293, 2018.
2. Danish H, Ferris MJ, Balagamwala E, Switchenko JM, Patel KR, Choudhary M, Craven C, Mendoza P, Suh J, Bergstrom C, Grossniklaus HE, M Aaberg T Sr, Singh A, Crocker IR, Khan MK. Comparative outcomes and toxicities for ruthenium-106 versus palladium-103 in the treatment of choroidal melanoma. *Melanom Res* 28(2): 120-125, 2018.
3. Harness JK, Davies K, Via, C, Brooks E, Zambelli-Weiner A, Shah C, Vicini F. Meta-Analysis of Local Recurrence of Invasive Breast Cancer after Electron Intraoperative Radiotherapy. *Ann Surg Oncol* 2018;25:137-47.
4. Kishan AU, Cook RR, Ciezki JP, Ross AE, Pomerantz MM, Nguyen PL, Shaikh T, Tran PT, Sandler KA, Stock RG, Merrick GS, Demanes DJ, Spratt DE, Abu-Isa EI, Wedde TB, Lilleby W, Krauss DJ, Shaw GK, Alam R, Reddy CA, Stephenson AJ, Klein EA, Song DY, Tosoian JJ, Hegde JV, Yoo SM, Fiano R, D'Amico AV, Nickols NG, Aronson WJ, Sadeghi A, Greco S, Deville C, McNutt T, DeWeese TL, Reiter RE, Said JW, Steinberg ML, Horwitz EM, Kupelian PA, King CR. Radical Prostatectomy, External Beam Radiotherapy, or External Beam Radiotherapy With Brachytherapy Boost and Disease Progression and Mortality in Patients With Gleason Score 9-10 Prostate Cancer. *JAMA* 319(9): 896-905, 2018.
5. Li W, Lu L, Stephans KL, Sharma N, Vassil A, Shen ZL, Stockham A, Djemil T, Tendulkar RD, Xia P. Volumetric-based image guidance is superior to marker-based alignments for stereotactic body radiotherapy of prostate cancer. *J App Clin Med Phys* 19(2): 198-203, 2018.
6. Murphy ES, Leyrer CM, Parsons M, Suh JH, Chao ST, Yu JS, Kotecha R, Jia X, Peereboom DM, Prayson RA, Stevens GHJ, Barnett GH, Vogelbaum MA, Ahluwalia MS. Risk Factors for Malignant Transformation of Low-Grade Glioma. *Int J Radiat Oncol Biol Phys* 100(4): 965-971, 2018.
7. Ouyang Z, Xia P, Vassil N, Yu KJ, Yu JS. Concomitant hyperthermia and intensity-modulated radiation therapy for a large-field chest wall re-irradiation. *Appl Radiat Oncol*. 7(1): 58-63, 2018.
8. Sandler KA, Cook RR, Ciezki JP, Ross AE, Pomerantz MM, Nguyen PL, Shaikh T, Tran PT, Stock RG, Merrick GS, Demanes J, Spratt DE, Abu-Isa EI, Wedde TB, Lilleby W, Krauss DJ, Shaw GK, Alam R, Reddy CA, Song DY, Klein EA, Stephenson AJ, Tosoian JJ, Hegde JV, Yoo SM, Fiano R, D'Amico AV, Nickols NG, Aronson WJ, Sadeghi A, Greco SC, Deville C, McNutt T, DeWeese TL, Reiter RE, Said JW, Steinberg ML, Horwitz EM, Kupelian PA, King CR, Kishan AU. Clinical outcomes for patients with Gleason Score 10 prostate adenocarcinoma: results from a multi-institutional consortium study. *Int J Rad Oncol Biol Phys*.
9. Shah C, Vicini F, Shaitelman SF, Hepel J, Keisch M, Arthur D, Khan AJ, Kuske R, Patel R, Wazer DE. The American Brachytherapy Society Consensus Statement for Accelerated Partial Breast Irradiation. *Brachytherapy* 2018;17:154-70.
10. Smile TD, Tendulkar R, Schwarz G, Arthur D, Grobmeyer S, Valente S, Vicini F, Shah C. A Review of Treatment for Breast-Cancer-Related Lymphedema: Paradigms for Clinical Practice. *Am J Clin Oncol* 2018;41:178-190.

## **ACCEPTED FOR PUBLICATION:**

1. Abbassy M, Missios S, Barnett GH, Brewer C, Peereboom D, Ahluwalia M, Neyman G, Chao ST, Suh JH, Vogelbaum MA. Phase I trial of radiosurgery plus bevacizumab in patients with recurrent/progressive glioblastoma. *Neurosurgery* 2017 (EPub ahead of print)
2. Ayala-Peacock DN, Attia A, Braunstein SE, Ahluwalia MS, Hepel J, Chung C, Contessa J, McTyre E, Peiffer AM, Lucas JT, Isom S, Pajewski NM, Kotecha R, Stavas MJ, Page BR, Kleinberg L, Shen C, Taylor RB, Onyeuku N, Hyde AT, Gorovets D, Chao ST, Corso C, Ruiz J, Watabe K, Tatter SB, Zadeh G, Chiang VLS, Fiveash JB, Chan MD. Prediction of New Brain Metastases after Radiosurgery: Validation and Analysis of Performance of a Multi-Institutional Nomogram. *J Neuro-Oncology*. In press, 8/21/2017.

3. Bae HJ, Mian Omar Y, Vaidya D, DeWeese TL, Song DY. Use of 5-alpha-reductase inhibitors as alternatives to luteinizing-hormone releasing hormone (LHRH) analogs or anti-androgens for prostate downsizing before brachytherapy. *Pract Radiat Oncol*. 2017 Oct 10.
4. Balagamwala EH, Manyam BV, Leyrer CM, Karthik N, Smile T, Tendulkar RD, Cherian S, Radford D, AlHilli Z, Vicini F, Shah CS. Care Pathway Alternatives for Early Stage Breast Cancer Radiotherapy: A National Cancer Database Analysis. *The Breast Journal* (Accepted).
5. Balagamwala EH, Manyam BV, Leyrer CM, Karthik N, Smile T, Tendulkar RD, Cherian S, Radford D, AlHilli Z, Vicini F, MD, Shah CS. Most patients are eligible for an alternative to conventional radiation for early stage breast cancer: a National Cancer Database Analysis. Accepted for publication by *The Breast Journal*, June 2017.
6. Balagamwala EH, Miller JA, Reddy CA, Angelov L, Suh JH, Tariq MB, Murphy ES, Yang K, Djemil T, Magnelli A, Mohammadi AM, Soeder S, Chao ST. Recursive Partitioning Analysis is Predictive of Overall Survival for Patients Undergoing Spine Radiosurgery. *J Neurooncol* 2018 Jan 3 (Epub ahead of print)
7. Bennett EE, Vogelbaum MA, Barnett GH, Angelov L, Chao ST, Murphy ES, Yu JS, Suh JH, Elson P, Stevens GHJ, Mohammadi AM. Evaluation of prognostic factors for early mortality after stereotactic radiosurgery for brain metastases: a Single Institutional Retrospective Review. *Neurosurgery*. 2017 Jun 29. doi: 10.1093/neuros/nyx346. [Epub ahead of print]. PMID: 28673040
8. Chao ST, De Salles A, Hayashi M, Levivier M, Ma L, Martinez R, Paddick I, RØgis J, Ryu S, Slotman BJ, Sahgal A. Stereotactic Radiosurgery in the Management of Limited (1-4) Brain Metastases: Systematic Review and International Stereotactic Radiosurgery Society Practice Guideline. *Neurosurgery* 2017 Nov 3 (Epub ahead of print)
9. Danish H, Ferris M, Balagamwala E, Switchenko J, Patel K, Choudhary M, Craven C, Mendoza P, Suh J, Bergstrom C, Grossniklaus H, Aaberg T, Singh A, Crocker I, Khan MK. Comparative outcomes and toxicity of ruthenium-106 and palladium-103 in the treatment of choroidal melanoma. *Melanom Res* 2018 Jan 3 [Epub].
10. Ferris M, Danish H, Balagamwala E, Switchenko J, Patel K, Choudhary M, Craven C, Mendoza P, Suh J, Bergstrom C, Grossniklaus H, Aaberg T, Singh A, Crocker I, Khan MK. Comparative outcomes and toxicity of ruthenium-106 and palladium-103 in the definitive treatment of choroidal melanoma. *Melanoma Research*. 2018 Jan 3 [Epub]
11. Ferro A, Bae HJ, Yenokyan G, Le Y, McNutt T, Mian Omar Y, Gergis C, Haviland C, DeWeese TL, Song DY. Reductions in prostatic doses are associated with less acute morbidity in patients undergoing Pd-103 brachytherapy: Substantiation of the rationale for focal therapy. *Brachytherapy*. 2017 Nov 23 PMID: 29174937
12. Garrett GL, Blanc PD, Boscardin J, Lloyd AA, Ahmed RL, Anthony T, Bibee K, Breithaupt A, Cannon J, Chen A, Cheng JY, Chiesa-Fuxench Z, Colegio OR, Curiel-Lewandrowski C, Del Guzzo CA, Disse M, Dowd M, Eilers R Jr, Ortiz AE, Morris C, Golden SK, Graves MS, Griffin JR, Hopkins RS, Huang CC, Bae GH, Jambusaria A, Jennings TA, Jiang SI, Karia PS, Khetarpal S, Kim C, Klintmalm G, Konicke K, Koyfman SA, Lam C, Lee P, Leitenberger JJ, Loh T, Lowenstein S, Madankumar R, Moreau JF, Nijhawan RI, Ochoa S, Olasz EB, Otchere E, Otley C, Oulton J, Patel PH, Patel VA, Prabhu AV, Pugliano-Mauro M, Schmults CD, Schram S, Shih AF, Shin T, Soon S, Soriano T, Srivastava D, Stein JA, Sternhell-Blackwell K, Taylor S, Vidimos A, Wu P, Zajdel N, Zelac D, Arron ST. Incidence of and Risk Factors for Skin Cancer in Organ Transplant Recipients in the United States. *JAMA Dermatol*. 2017 Jan 11
13. Harness JK, Davies K, Via, C, Brooks E, Zambelli-Weiner A, Shah C, Vicini F. Meta-Analysis of Local Recurrence of Invasive Breast Cancer after Electron Intraoperative Radiotherapy. *Ann Surg Oncol* 25:137-147, 2018.
14. Huang L, Djemil T, Zhuang TL, Andrews A, Chao ST, Suh JH, Xia P. Treatment Plan Quality and Delivery Accuracy Assessments on Three IMRT Delivery Methods of Stereotactic Body Radiotherapy for Spine Tumors. *Med. Dosim*, in press (2018)
15. Hwang WL, Tendulkar RD, Niemierko A, Agrawal S, Stephans KL, Spratt DE, Hearn JW, Koontz BF, Lee WR, Michalski JM, Pisansky TM, Liauw SL, Abramowitz MC, Pollack A, Moghanaki D, Anscher MS, Den RB, Zietman AL, Stephenson AJ, Efstathiou JA. Comparison Between Adjuvant and Early-Salvage Postprostatectomy Radiotherapy for Prostate Cancer with Adverse Pathological Features. *JAMA Oncol* [Epub ahead of print] Jan 2 018
16. Juloori A, Shah C, Stephans K, Vassil A, Tendulkar R. Evolving Paradigm of Radiotherapy for High-Risk Prostate Cancer: Current Consensus and Continuing Controversies. *Contemporary Radiation Oncology. Prostate Cancer*. 2016;2420786 (in press)

17. Kalbasi A, Kirk M, Teo BK, Diffenderfer E, Ding X, McDonough J, Murphy E, Hill-Kayser C. Proton craniospinal irradiation during the third trimester of pregnancy. *Pract Radiat Oncol*. 2017 Sep 18 [EPub]
18. Karthik N, Ward MC, Juloori A, Scott J, Mesko N, Shah C. Factors Associated with Acute and Chronic Wound Complications with Patients with Soft-Tissue Sarcoma with Long-Term Follow-Up. *Am J Clin Oncol* 2018 Jan 8 [EPub].
19. Li A, Blandford A, Chundury RV, Traboulsi EI, Anderson P, Murphy E, Parikh S, Perry J. Orbital rhabdomyosarcoma in a child with Leigh syndrome. *J AAPOS*. 2017 Dec 20 [Epub ahead of print] PMID: 29274371
20. Lu L, Diaconu C, Djemil T, Videtic GMM, Abdel-Wahab M, Yu N, Greskovich J, Jr., Stephans KL, Xia P. Intra- and Inter-fractional Liver and Lung Tumor Motions Treated with SBRT under Active Breathing Control. *J Appl Clin Med Phys*. 19:39-45, 2018.
21. McFarland CD, Yaglom JA, Wojtkowiak JW, Scott JG, Morse DL, Sherman MY, Mirny LA. Passenger DNA alterations reduce cancer fitness in cell culture and mouse models. *Cancer Research* 77:4763-4772, 2017.
22. McTyre E, Ayala-Peacock DN, Contessa JN, Corso C, Chiang V, Chung C, Fiveash JB, Ahluwalia MS, Kotecha R, Chao ST, Attia A, Henson A, Hepel JT, Braunstein SE, Chan MD. Multi-Institutional Competing Risks Analysis of Distant Brain Failure and Salvage Patterns after Upfront Radiosurgery without Whole Brain Radiotherapy for Brain Metastasis. *Annals of Oncology*. In press, 11/17/2017.
23. Manyam BV, Tendulkar RD, Cherian S, Vicini F, Badiyan S, Shah C. Evaluating candidacy for endocrine therapy, hypofractionated radiation therapy, and accelerated partial breast irradiation following breast conserving surgery: A Surveillance Epidemiology and End Results (SEER) Analysis. *Am J Clin Oncol* Sept 2016 [Epub ahead of print]
24. Mendiratta P, Rini B, Tendulkar R. Organ preservation for recurrent urethral adenocarcinoma with concurrent chemotherapy and radiation. *Urology* 2017 Dec 2 [Epub ahead of print]. PMID 29203190.
25. Mian OY, Tendulkar RD, Abazeed ME. The evolving role of molecular profiling in prostate cancer: basal and luminal subtyping transcends tissue of origin. *Transl Cancer Res* 2017. doi: 10.21037/tcr.2017.10.49
26. Miften M, Olch A, Mihalidis D, Moran J, Pawlicki T, Molineu A, Li H, Wijesooriya K, Shi J, Xia P, Papanikolaou N, Low DA. Tolerance limits and methodologies for IMRT measurement-based verification QA: Recommendations of AAPM Task Group No. 218. *Med Phys*, Feb 2018 [Epub ahead of print]
27. Miller JA, Balagamwala EH, Chao ST. Role of Stereotactic Radiosurgery in the Management of Brain and Spine Metastases. Accepted to *Current Cancer Therapy Reviews*.
28. Molenaar RJ, Pleyer C, Radivoyevitch T, Sidana S, Godley A, Advani AS, Gerds AT, Carraway HE, Kalaycio M, Nazha A, Adelstein DJ, Nasr C, Angelini D, Maciejewski JP, Majhail N, Sekeres MA, Mukherjee S. Risk of developing chronic myeloid neoplasms in well-differentiated thyroid cancer patients treated with radioactive iodine. *Leukemia* 2017 [EPub]
29. Murphy, ES, Leyrer, CM, Parsons, M, Suh, JH, Chao, ST, Yu, J, Kotecha R, Jia, X, Peereboom, D, Prayson, Stevens, G, Barnett, GH, Vogelbaum, MA, Ahluwalia, MS. Risk Factors for Malignant Transformation of Low Grade Glioma. *Int J Radiat Oncol Biol Phys*. Accepted 12/11/2017. (Ref ROB\_24660/ ROB\_ROB-D-17-01036)
30. Nguyen TK, Senan S, Bradley JD, Franks K, Giuliani M, Guckenberger M, Landis M, Loo BW Jr, Louie AV, Onishi H, Schmidt H, Timmerman R, Videtic GMM, Palma DA. Optimal imaging surveillance after stereotactic ablative radiation therapy for early-stage non-small cell lung cancer: Findings of an International Delphi Consensus Study. *Pract Radiat Oncol*. 2017 Dec 29. pii: S1879-8500(17)30319-3. doi: 10.1016/j.prro.2017.10.008. [Epub ahead of print]
31. Ottino-Löffler B, Scott JG, Strogatz SH. Takeover times for a simple model of network infection. *Physical Review E* (2017) 96, 012313: 13 July 2017 [EPub]
32. Ramey SJ, Agrawal S, Abramowitz MC, Moghanaki D, Pisansky TM, Efstathiou JA, Michalski JM, Spratt DE, Hearn JW, Koontz BF, Liauw S, Pollack A, Anscher MS, Den RB, Stephans KL, Zietman AL, Lee WR, Stephenson AJ, Tendulkar RD. Multi-institutional evaluation of elective nodal irradiation and/or androgen deprivation therapy with post-prostatectomy salvage radiotherapy for prostate cancer. *Eur Urol* 2017 Nov 8 [EPub]
33. Ross RB, Koyfman SA, Reddy CA, Houston N, Geiger JL, Woody NM, Joshi NP, Greskovich JF Jr, Burkey BB, Scharpf J, Lamarre ED, Prendes B, Lorenz RR, Adelstein DJ, Ward MC. A matched comparison of human papillomavirus-induced

squamous cancer of unknown primary with early oropharynx cancer. Accepted by Laryngoscope, October 2017 [Epub ahead of print]

34. Scharpf J, Ward M, Adelstein D, Koyfman S, Li M. Elucidation of salvage laryngectomy pathologic and clinical variables to guide further treatment intensification investigation. *Laryngoscope*. Sept 2017 [Epub ahead of print]
35. Shah C, Vicini F, Shaitelman SF, Hepel J, Keisch M, Arthur D, Khan AJ, Kuske R, Patel R, Wazer DE. The American Brachytherapy Society Consensus Statement for Accelerated Partial Breast Irradiation. *Brachytherapy* 2017 Oct 23 [Epub ahead of print].
36. Sharma M, Meola A, Bellamkonda S, Jia X, Montgomery J, Chao ST, Suh JH, Angelov L, Barnett GH. Long-Term Outcome Following Stereotactic Radiosurgery for Glomus Jugulare Tumors: A Single Institution Experience of 20 Years. *Neurosurgery* 2017 Dec (Epub ahead of print)
37. Smile TD, Tendulkar R, Schwarz G, Arthur D, Grobmyer S, Valente S, Vicini F, Shah C. A Review of Treatment for Breast-Cancer-Related Lymphedema: Paradigms for Clinical Practice. *Am J Clin Oncol* 41:178-190, 2018
38. Snider C, Yang K, Mack SC, Suh JH, Chao ST, Merchant TE, Murphy ES. Impact of radiotherapy and extent of resection for ependymoma in young children: a population-based study. *Pediatric Blood and Cancer*. 2018;65(3).
39. Stephans KL, Woody NM, Reddy CA, Varley M, Magnelli A, Zhuang T, Qi P, Videtic GM, Tumor control and toxicity for common SBRT dose-fractionation regimens in Stage I NSCLC. *Int J Radiat Oncol Biol Phys* 100:462-469, 2018
40. Tariq MB, Meier T, Suh JH, Reddy CA, Godley A, Kittel J, Hugelbeck B, Kolar M, Barrett P, Chao ST. Departmental Workload and Physician Errors in Radiation Oncology. *J Patient Saf*. June 2016 [Epub ahead of print]
41. Tariq MB, Balagamwala EH, Yang K, Suh JH, Angelov L, Mohammadi AM, Barnett GH, Reddy CA, Soeder S, Djemil T, Magnelli A, Godley AR, Qi P, Zhuang T, Chao ST. Spine Radiosurgery for Oligometastatic Spine Disease: a large institutional experience. *J Radiosurg SBRT* Accepted
42. Vargo JA, Ward MC, Caudell JJ, Riaz N, Dunlap NE, Isrow D, Zakem SJ, Dault J, Awan MJ, Higgins KA, Hassanadeh C, Beitler JJ, Reddy CA, Marcrom S, Boggs DH, Bonner JA, Yao M, Machtay M, Siddiqui F, Trotti AM, Lee NY, Koyfman SA, Ferris RL, Heron DE. A Multi-institutional Comparison of SBRT and IMRT for Definitive Reirradiation of Recurrent or Second Primary Head and Neck Cancer. Accepted by *Int J Radiat Oncol Biol Phys*. April 2017 [Epub ahead of print]
43. Vicini F, Shah C, Whitworth P, Walker M, Shi J. Correlation of bioimpedance spectroscopy with risk factors for the development of breast cancer related lymphedema. *Lymphat Res Biol*.
44. Ward MC, Reddy CA, Adelstein DJ, Koyfman SA. Use of Systemic Therapy with Definitive Radiotherapy for Elderly Patients with Head and Neck Cancer: A National Cancer Database Analysis. *Cancer*. 2016 Aug 9 [Epub]
45. Ward MC, Shah A, Koyfman SA, Nwizu TI, Scharpf J, Burkey BB, Lamarre ED, Adelstein DJ, Greskovich JF, Xia P: The prognostic value of pre-treatment FDG-PET parameters in HPV associated oropharynx cancer. *Journal of Radiation Oncology*. 2016. In Press
46. Ward MC, Riaz N, Caudell JJ, Dunlap NE, Isrow D, Zakem SJ, Dault J, Awan MJ, Vargo JA, Heron DE, Higgins KA, Beitler JJ, Marcrom S, Boggs DH, Hassanzadeh C, Reddy CA, Bonner JA, Yao M, Machtay M, Siddiqui F, Trotti AM, Lee NY, Koyfman SA. Multi-Institution Reirradiation (MIRI) Collaborative. Refining Patient Selection for Reirradiation of Head and Neck Squamous Carcinoma in the IMRT Era: A Multi-Institution Cohort Study by the MIRI Collaborative. Accepted for publication by *Int J Radiat Oncol Biol Phys*. June 2017 [Epub ahead of print]
47. Wilkinson JB, Chen PY, Wallace MF, Shah C, Benitez PR, Martinez AA, Vicini FA. Six-Year Results From a Phase I/II Trial for Hypofractionated Accelerated Partial Breast Irradiation Using a 2-Day Dose Schedule. *Am J Clin Oncol* 2017 Aug 4 [Epub ahead of print].
48. Zhou M, Scott J, Chaudhury B, Hall L, Goldhof D, Yeom KW, Iv M, Ou Y, Kalpathy-Cramer J, Napel S, Gillies R, Gevaert O, Gatenby R. Radiomics in Brain Tumor: Image Assessment, Quantitative Feature Descriptors, and Machine-Learning Approaches. *AJNR Am J Neuroradiol*. 2017 Oct 5 [Epub].
49. Zhuang T, Woody NM, Liu H, Cherian S, Reddy CA, Qi P, Magnelli A, Djemil T, Stephans KL, Xia P, Videtic GMM, Dosimetric Differences between Local Failure and Local Controlled Non-Small Cell Lung Cancer Patients Treated with

Stereotactic Body Radiotherapy (SBRT): A Matched Pair Study. Accepted to Journal of Medical Imaging and Radiation Oncology.

#### **PUBLISHED BOOK CHAPTERS:**

1. Abazeed ME. Radiogenomics. In: Radiation Biology Self-Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 487-494. 2017.
2. Amarnath S. Brachytherapy and Stereotactic Radiosurgery. In: Radiation Biology Self-Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 377-398. 2017
3. Amarnath S. Effects of Total Body Irradiation. In: Radiation Biology Self-Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 225-242. 2017
4. Balagamwala EH, Leyrer CM, Kittel JA, Almasan A. Chapter 2: Cell survival curves and cell death. In: Radiation Biology Self-Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 15-30. 2017
5. Balagamwala EH, Leyrer CM, Kittel JA, Almasan A. Chapter 3: DNA, chromosome and chromatid damage, repair and measurement. In: Radiation Biology Self-Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 31-46. 2017
6. Berriochoa C, Leyrer CM, Mastroianni A. Effects of Radiation on Hereditary Damage, Mutations, and Chromosome Aberration. Chapter 3: DNA, chromosome and chromatid damage, repair and measurement. In: Radiation Biology Self-Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 273-292. 2017
7. Cheon HJ. Gene Therapy. In: Radiation Biology Self-Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 399-414. 2017
8. Cui T, Qi P. Radiation Protection. In: Radiation Biology Self-Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 343-360. 2017.
9. Dharmaiiah S, Rao V, Yu JS. Hyperthermia. In: Radiation Biology Self-Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 437-454. 2017.
10. Dong F, Wunderle K, Balik S. Doses and Risks in Nonradiation Oncology Subspecialties. In: Radiation Biology Self-Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 307-342. 2017
11. Finkelstein SE, Vicini F, Shah C. Breast Radiotherapy in Oncoplastic Surgery. In Partial Breast Reconstruction: Technique in Oncoplastic Surgery, 2nd edition, New York, NY, Thieme Publishers, 2017.
12. Greskovich JF Jr, Naik M, Apple M. Chapter 1: Interaction of radiation with matter. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 1-14. 2017
13. Grobmyer SR, Valente S, Cherian S, Pederson HJ, Abraham J. Locoregional Therapy Following Neoadjuvant Therapy for HER2-Positive Breast Cancer: Opportunities and Challenges.
14. Huang H, Yu JS. Stem cells. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 455-470. 2017
15. Joshi N, Woody N. Chemotherapy and Targeted Agents. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 415-436. 2017.
16. Joshi N, Woody N. Immunotherapy. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 471-486. 2017
17. Juloori A, Xiang C, Weller MA, Yu JS. Chapter 16: Radiation Sensitizers, Radioprotectors, and Bioreductive Drugs. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 243-254. 2017
18. Juloori A, Xiang C, Weller MA, Yu JS. Chapter 5: Radiation Damage Repair and Models for Normal Tissues. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 57-72. 2017

19. Kost S, Godley A. Alternative Radiation Therapy Modalities. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 361-376. 2017
20. Kshetry VR, Yu JS, Venur VA, Ahluwalia M, Recinos P, Comprehensive Management of Chordoma, In: Raghavan D, Blamke C, Reaman G, Kim E, Brown J, Sekeres M, Ahluwalia M, editors, Textbook of Uncommon Cancer. 5<sup>th</sup> ed. New Jersey: Wiley-Blackwell, 2017:847-855.
21. Lee D. Chapter 14: Impact of Time, Dose, and Fractionation in Radiation Oncology. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 203-224. 2017
22. Leyrer CM, Balagamwala EH, Berriochoa, C. Chapter 8: Assays for cell, tissue and solid tumors. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 99-114. 2017
23. Leyrer CM, Berriochoa C, Balagamwala EH. Chapter 11: Model tumor systems and predictive assays. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 147-164. 2017
24. Manyam BV, Weller MA. Radiation carcinogenesis. Chapter 17: Model tumor systems and predictive assays. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 255-272. 2017
25. Pham Y, Shah C. Chapter 7: Linear Energy Transfer and Relative Biological Effectiveness. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 85-98. 2017
26. Pham Y, Oh S. Effects of Radiation on the Embryo and Fetus. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 293-306. 2017
27. Shah C, Harris E, Holmes D, Vicini F. Chapter 51: Partial Breast Irradiation: Accelerated and Intraoperative. In Bland K, Copeland E, Klimberg VS, Gradishar W, The Breast, 5th edition. New York, New York, Elsevier, 2017: 706-715.
28. Ward MC, Ross RB. Chapter 12: Cell kinetics. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 165-182. 2017
29. Yang K, Yu JS. Chapter 9: Molecular Techniques, Assay Systems, and Signaling in Radiobiology. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 115-130. 2017.
30. Yang K, Yu JS. Chapter 10: Biology of cancer. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 131-146. 2017
31. Yard BD, Abazeed ME. Chapter 4: Radiosensitivity and the Dose-Rate Effect. In: Radiation Biology Self-Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 47-56. 2017
32. Yu JS, Brown M, Suh JH, Ma L, Sahgal A. Radiobiology of Radiotherapy and Radiosurgery. In Winn HR, editor. Youmans Neurological Surgery. 7th ed. Philadelphia: Elsevier 2144-2154. 2017.
33. Yu X, Yu JS, Bar E. Chapter 6: Hypoxia, Oxygen, Reoxygenation, and Angiogenesis. In Radiobiology Self Assessment Guide. Eds. Yu JS, Abazeed M. New York, NY, Demos Medical. p. 73-84. 2017

#### **EDITORS OF TEXTBOOKS:**

Ciezki no longer on Red Journal Editorial Board.

#### **ACCEPTED BOOK CHAPTERS:**

#### **EXTERNAL PRESENTATIONS:**

11<sup>th</sup> Annual International Symposium on Stereotactic Body Radiation Therapy and Stereotactic Radiosurgery, Orlando, FL, February 23-25, 2018

1. Suh JH. Moderator – Brain SRS: Role of SRS for Recurrent Glioblastomas
2. Chao ST. Diagnosis and Treatment of Cerebral Radiation Necrosis

3. Murphy ES. SRS/SBRT versus Proton Therapy for Pediatric Tumors
4. Ciezki J. Brian Kavanagh vs Jay Ciezki: Prostate Cancer SBRT vs Brachytherapy
5. Chao ST. Moderator – Breast, Abdomen & Pelvis
6. Stephans KL. SBRT for Primary and Secondary Liver Tumors
7. Tendulkar RD. SBRT for Breast Cancer
8. Stephans KL. Moderator – Lung SBRT: Fractionation and Dose-response Relationship in Lung SBRT

Advisory Committee on the Medical uses of Isotopes (ACMUI) Spring Meeting, Rockville MD, March 6-8, 2018

1. Suh, JH.

QA & Dosimetry Symposium (QADS11), Orlando, FL, March 9-10, 2018

1. Verdecchia K, Cui T, Kost S, Sands M, Zickefoose L, Kovacs T, Godley A. TG-100: Improving Patient Specific QA Process by Applying FMEA. Honorary presenter in a SAM session

American Academy of Neurology 70<sup>th</sup> Annual Meeting, Los Angeles, CA, April 21-27, 2018

1. Suh JH, et al. A Neurologists Foray into Gamma Knife: Lessons Learned from the first 50 cases.” Poster

ARS Meeting, May 6, 2018

2. Vassil A. ACR AUC Bone Committee Guidelines Progress

ASCO, Central Nervous System Tumors Session, June 2, 2018

3. Suh, JH et al. Impact of Apolipoprotein E (APOE) genotype on neurocognitive function (NCF) in patients with brain metastasis (BM): An analysis of NRG Oncology’s RTOG 0614. Poster