

# Academic Activities, Accolades, and Gifts in Radiation Oncology 2019

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## **PUBLISHED PAPERS/MONOGRAMS:**

1. Abu-Gheida I, Chao S, Murphy E, Suh J, Stevens GH, Mohammadi AM, McNamara M, Yu JS. Targeted Therapy After Brain Radiotherapy for BRAF-Mutated Melanoma With Extensive Ependymal Disease With Prolonged Survival: Case Report and Review of the Literature. *Front Oncol* 9:168, 2019.
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## **PREPARING FOR SUBMISSION:**

1. Amarnath S, Steele S, Stocchi L, Kessler H, Khorana A, and Kalady M. Is pelvic radiation therapy safe in patients with inflammatory bowel disease?: A Comprehensive Review

2. Amarnath S, Liska D, Sherief S, Steele S, Kalady M. Toxicity and Efficacy Outcomes of Preoperative Pelvic Radiation Therapy in Patients with Inflammatory Bowel Disease and Rectal Cancer.
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5. Cherian S. Modern radiation techniques for ocular tumors
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1. Amarnath S. Intraoperative Radiation Therapy (IORT). In Illustrated Tips and Tricks: Colorectal Surgery. Edited by Steele, S.
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## EXTERNAL PRESENTATIONS:

Conference on Clinical and Experimental Research in Radiation Oncology (CERRO), European Society for Radiation Oncology (ESTRO), France. Jan 2019

1. Yu, J. Cancer stem cell adaptation to hypoxia

Genitourinary Malignancies Program Meeting, January 16, 2019, Cleveland Clinic, Cleveland, OH

1. Mian O. Epigenetic targets for personalized therapy in human genitourinary cancers

Conference on Clinical and Experimental Research in Radiation Oncology (CERRO), European Society for Radiation Oncology (ESTRO), Les Menuires, France, 1/2019

1. Abazeed ME. Decoding the radiogenome to guide clinical prediction
2. Yu J. Glioma stem cell maintenance and invasion in hypoxia

2019 Canadian Lung Cancer Conference, Vancouver, Canada. February 8, 2019

1. Videtic G. Quality Assurance for Lung SBRT: Setting appropriate standards
2. Videtic G. Three's Company vs Three's A Crowd: Trimodality vs Bimodality approaches to managing stage III lung cancer

Radiation Oncology Grand Rounds, City of Hope Hospital, Duarte CA. February 8, 2019

1. Suh JH. Contemporary management of brain metastases.

Radiation Oncology Grand Rounds, Cedars Sinai Hospital, Los Angeles, CA. February 8, 2019

1. Suh JH. Contemporary management of brain metastases.

71<sup>st</sup> Annual Midwinter Radiology and Radiation Oncology Conference and Conjoint Nuclear Medicine Seminar, Long Beach, CA. February 9-11, 2019

1. Suh JH. Contemporary management of brain metastases
2. Suh JH. Stereotactic radiosurgery for meningiomas
3. Suh JH. Stereotactic radiosurgery for pituitary tumors

ASCO GU, San Francisco, CA, February 2019

1. Ciezki J, Reddy CA, Mian O, Tendulkar RD, Ulchaker J, Angermeier K, Campbell St, Stephenson A, Klein EA. The Effect of the Timing of Biochemical Failure after External Beam Radiotherapy or Low Dose-rate Brachytherapy for Definitive Prostate Cancer Treatment.
2. Mian OY, Abu-Gheida I, Kotecha R, Weller MA, Reddy CA, Kupelian PA, Ornstein MC, Gilligan TD, Garcia JA, Rini BI, Stephenson AJ, Klein EA, Shah C, Ciezki JP, Stephans KL, Tendulkar RD. Moderately hypofractionated radiotherapy for localized prostate cancer: Long-term outcomes for 854 consecutive patients treated over 10 years (70 Gy in 2.5 Gy/fraction). Accepted for poster presentation.
3. Ridner SH, Dietrich MS, Cowher MS, Taback B, McLaughlin S, Ajkay N, Boyages J, Koelmeyer L, DeSnyder SM, Wagner J, Abramson V, Moore A, Shah C. A Randomized Trial Evaluating Bioimpedance Spectroscopy versus Tape Measurement for the Prevention of Lymphedema following Treatment for Breast Cancer. Interim Analysis – Accepted for oral presentation.

11<sup>th</sup> Annual International Symposium on Stereotactic Body Radiation Therapy and Stereotactic Radiosurgery, Orlando FL. February 22-24, 2019

1. Suh JH. Neoadjuvant radiation, post resection cavity SRS or WBRT: What is the best option?
2. Chao ST. Radiobiology of radiosurgery
3. Suh JH. Importance of integral dose
4. Suh JH. Moderator – How I Treat
5. Chao ST. Chemotherapy vs SRS for brain metastases. Debate
6. Murphy ES. Pediatric Radiosurgery and SBRT
7. Chao ST. Moderator – Multi-organ SBRT
8. Stephans KL. Liver SBRT: Technique and Treatment Planning
9. Woody N. SBRT for head and neck: indications and challenges

RO 2019 Academic Activities Report

10. Stephans KL. Lung SBRT Planning, Delivery and Data

Cleveland Clinic Florida Cancer Center Grand Rounds, Weston FL. March 1, 2019

1. Suh JH. Contemporary management of brain metastases

7<sup>th</sup> Annual Multidisciplinary Head and Neck Cancer Update, Fort Lauderdale, FL, March 9, 2019

1. Woody NM. Multidisciplinary Management of Locally Advanced Paranasal Sinus Cancer
2. Koyfman SA. Management of Loco-regionally Recurrent Oropharynx Cancer
3. Koyfman SA. Challenges and Controversies in Managing Aggressive Skin Squamous Cell Cancers of Head & Neck
4. Greskovich J. Does Advanced Radiation Therapy Planning Techniques (IMRT-VMAT-Proton) Improve Quality of Life Outcomes?
5. Greskovich J. Risk Stratifying Early Stage Larynx Cancer
6. Greskovich J. Elderly/QOL Case Discussion Panel Moderator
7. Greskovich J. Is Dose De-escalated Radiation Ready for Prime Time in Favorable HPV-associated Oropharynx Cancer?

Grand Rounds, Department of Radiation Oncology, University of Miami, Miami FL, March 21, 2019

1. Videtic G. Sharpshooters: The Evolving Role of Single-Fraction Lung SBRT for Lung Cancer

Case Comprehensive Cancer Center Molecular Oncology Program Mini-Symposium, Cleveland, March 2019

1. Yu J. Drivers of Glioma Stem Cell Migration and Invasion

Society for Brain Mapping and Therapeutics, Los Angeles, CA, 3/2020

1. Yu J. Targeting Glioma Stem Cells

14<sup>th</sup> Annual Symposium on Contemporary issues in pituitary disease, Cleveland, OH. April 5, 2019.

1. Suh JH. Modern Radiation techniques for craniopharyngiomas

American Radium Society Meeting, Dana Point, CA, April 6-7, 2019

1. Murphy ES. Early Results from Neoadjuvant Dose Escalation Study for Large Brain Metastases
2. Chao ST. Panelist, Challenging Cases: CNS Tumors

Department of Palliative Medicine, CCF, April 8, 2019

1. Videtic G. The Healing-Ray-The Role of Radiation Therapy in Palliative Care

American Society of Breast Surgeons Annual Meeting. Dallas, TX. April 2019

1. Ridner SH, Dietrich MS, Cowher MS, Taback B, McLaughlin S, Ajkay N, Boyages J, Koelmeyer L, DeSnyder SM, Wagner J, Abramson V, Moore A, Shah C. Randomized Trial Evaluating Bioimpedance Spectroscopy versus Tape Measurement for the Prevention of Lymphedema following Treatment for Breast Cancer: Interim Analysis.

Cleveland Clinic Innovations and Quest Diagnostics Group Meeting, April 2019, Cleveland, OH

1. Mian O. Circulating cfDNA: A Minimally Invasive Cancer Biomarker

Taussig Cancer Center Grand Rounds: Cleveland, OH. April 16, 2019.

1. Chao ST. Spine Tumor Program

Visiting Professor lecture. Northwell Health, Lake Success, NY, April 17, 2019.

1. Tendulkar R. Post-Prostatectomy Radiation Therapy for Prostate Cancer

American Head and Neck Society, Austin, TX, May 1, 2019

1. Koyfman SA. Tumor Board Participant: HPV Associated Oropharynx Cancer

American Society of Breast Surgeons Annual Meeting, April 30-May 5, 2019

1. Ridner SH, Dietrich MS, Cowher MS, Taback B, McLaughlin S, Ajkay N, Boyages J, Koelmeyer L, DeSnyder SM, Wagner J, Abramson V, Moore A, Shah C. Randomized Trial Evaluating Bioimpedance Spectroscopy versus Tape Measurement for the Prevention of Lymphedema following Treatment for Breast Cancer: Interim Analysis. *Ann Surg Oncol* 2019;26:supplement. Oral presentation.

Cleveland Clinic Fairview Hospital Medicine Grand Rounds. May 16, 2019

1. Balagamwala E. Multidisciplinary Management of Spine Metastasis: Role of Spine Radiosurgery.

Radiological and Medical Physics Society (RAMPS) Spring Symposium, New York. May 17, 2019

RO 2019 Academic Activities Report

1. Xia P. Using automatic tools to enhance workflow while improving quality and safety

International Conference on Brain Tumor Research and Therapy, South Carolina, USA, May 2020

1. Yu J.

Department of Radiation Oncology grand rounds. Medical College of Wisconsin. Milwaukee, WI. May 31, 2019.

1. Suh JH. Contemporary management of brain metastases.

Bladder Cancer Action Network (BCAN) Annual Patient Retreat, May 2019, Cleveland, OH

1. Mian O. Trimodality therapy for bladder preservation.

Cleveland Clinic IBD Master Class 2019, Cleveland, OH, May 31, 2019

1. Amarnath S. 4. Is Radiation Therapy in Rectal Cancer Taboo?

American Society for Clinical Oncology (ASCO), Chicago IL, June 2019

1. Yang K, Ward MC, Reddy CA, Burkey BB, Adelstein DJ, Koyfman SA. Nationwide treatment patterns of oropharyngeal cancer in the human papillomavirus era.
2. Sharrett, Shah, Nasr, Scharpf, Hong, Geiger, Koyfman, Joshi. Factors Associated with Recurrence and Death in Patients with Aggressive Hobnail Morphology Papillary Thyroid Carcinoma. Abstract accepted to ASCO 2019
3. Yu J. To Treat or Not to Treat: Nuances of Radiation Therapy for Low Grade Gliomas.

Visiting Professor lecture. University of Kentucky, Lexington, KY, June 7, 2019

1. Tendulkar R. Evolving Role of Radiation Therapy for Metastatic Prostate Cancer

University of Tel Aviv, Israel June 10, 2019

1. Scott J. Making Genomic Radiation Therapy a Reality

American Brachytherapy Society. Miami, FL. June 13-15, 2019

1. Shah C. Breast radiotherapy and reconstruction.

ISRS Congress, Rio de Janeiro, Brazil. June 10-13, 2019

1. Neyman G, Qi P, Yu J, Murphy E, Barnett G, Suh J, Chao S. Assessment of difference in dose volume histogram bin calculation for the new version of Gamma Knife treatment software
2. Neyman G. Dose controversy in Gamma Knife Radiosurgery
3. Suh JH. Role of liquid biopsy in stereotactic radiosurgery and SBRT.
4. Chao ST. Intracranial SRS: Clinical Indication
5. Chao ST. Advancements of Immunotherapy for GBMs.
6. Chao ST. ISRS 2019 Review: Malignant Tumors
7. Murphy E, Yang K, Suh J, Yu J, Schilero C, Mohammadi A, Stevens G, Angelov L, Vogelbaum M, Barnett G, Neyman G, Chao S. Safety and efficacy of dose escalation for neoadjuvant stereotactic radiosurgery for large brain metastases: results from a prospective trial
8. Stevens G, Angelov L, Chao S, Neyman G, Murphy E, Flak D, Suh J. Initial experience using a bolus skin-equivalent for calvarial metastases and skull defects using the Leksell Gamma Knife ICON mask based system: The Cleveland Clinic Experience.

10<sup>th</sup> Annual Atlantic Radiotherapy Conference, Halifax Nova Scotia, Canada, June 13, 2019

1. Videtic G. Eshwar Kumar Lecture - Sharpshooters: The Evolving Role of Single-Fraction Lung SBRT for Early Stage Lung Cancer

19<sup>th</sup> ICR Conference, Montreal, QC, Canada, June 16-20, 2019

1. Guo B, Xia P. Head and Neck Deformable Registration by Physical Modeling of Patient Posture Change.

Case Comprehensive Cancer Center, Cancer Stem Cell Working Group Mini-Symposium, Cleveland OH, June 2019

1. Yu J. Glioma Stem Cells in Different Niches

AAPM Annual Meeting 2019, San Antonio TX, July 14-18; Abstracts

1. Cazoulat G, McCulloch M, Bahig H, Elgohari B, Elhalawani H, Mohamed AS, Fuller CD, Brock KK. Composition of Deformation Vector Fields for Dose Mapping During Head and Neck Adaptive Radiotherapy.
2. Ger R, Zhou S, Mackin D, Elhalawani H, Elgohari B, [...], Court L. Harmonizing Imaging Protocols: Impact on Radiomics Survival Prediction in Large Patient Cohorts.
3. Guo B. Practical Scripting in MIM and Pinnacle. SAM Invited Speaker

4. Guo B, Xia P. Delineating ITV From 4DCT with Irregular Breathing
5. Kolar M, Ouyang Z, LaHurd D, Browne Cui T, Murray E, Joshi N, Greskovich J, Koyfman S, Xia P. Quantitative Assessment of Head and Neck Treatment Plan Quality Using Organ Dose Prediction Models.
6. Kuzmin G, Abazeed M, Kolar M, Magnelli A, Xia P, Balik S. Improving Pancreas SBRT Treatment Planning with PlanIQ
7. Ma T, Guo B, Balik S, Qi P, Magnelli A, Stephans K, Videtic G, Zhuang T. Does Motion Interplay Affect Tumor Coverage in IMRT and VMAT Lung SBRT? A 4D Dosimetry Study Using Dynamic Virtual Patient Model
8. McCulloch MM, Cazoulat G, Ford AC, Polan DF, Elgohari BA, Elhalawani H, [...], Brock KK. Biomechanical Modeling of Dose-Induced Volumetric Changes of the Parotid Glands for Deformable Image Registration.
9. Ouyang Z, Zhuang T, Kolar M, Marwaha G, Videtic G, Stephans K, Xia P. Correlation of Lung SBRT Autoplans with Organ Dose Prediction. e-poster
10. Ouyang Z, Murray E, Xia P, Shah C, Cherian S, Tendulkar R, Manyam B, Svatos M, Guo B. Dosimetry Verification for the AeroForm Tissue Expander Breast Implant
11. Qi P, Balik S, Magnelli A, Zhuang T, Stephans K, Videtic G. Experience in Management of Implanted Cardiovascular Devices in Stereotactic Body Radiotherapy of Lung Cancer
12. Qiu, Lei. Auto Segmentation of Male Pelvis on CBCT Using 3D U-Net.
13. Rhee DJ, Cardenas C, Elhalawani H, McCarroll R, Zhang L, Yang J, Beadle B, Court L. Automatic detection of contouring errors using convolutional neural networks.
14. Rigaud B, McCulloch M, Mohamed AS, Volpe S, Elhalawani H, Bahig H, Svensson S, Cazoulat G, Fuller CD, Brock KK. Biomechanical Modeling of the Neck Flexion Using Commercial Radiotherapy Treatment Planning System.
15. Sutlief S, Huang Z, Xia P. Acquiring Treatment Planning Skills Is Important for Medical Physicists. Invited Speaker Presentation
16. Xia P, Yu N, Murray E, Meier T, Barrett P, LaHurd D, Chao S, Suh J. Using Quantitative Data to Improve and Maintain Metrics of Quality and Safety in Radiation Therapy. e-poster
17. Xia P. Acquiring Treatment Planning Skills Is Important for Medical Physicists. Invited speaker.
18. Yeom Y, Kuzmin G, Griffin K, Mille M, Polf J, Langner U, Jung J, Lee C, Shin J, Ellis D, Lee C. Influence of Proton Spot Properties On Patient Dose Reconstructions in Pencil Beam Scanning Treatment
19. Yu N, LaHurd D, Tom M, Murray E, Joshi N, Woody N, Koyfman S. Improving Patient Setup Through the Reduction of IGRT Rejections for HN Patients. e-poster

Cleveland Clinic Cholangiocarcinoma Symposium, Cleveland, OH. 7/12/19

1. Stephans K. The Evolution of Targeted Radiation in Cholangiocarcinoma

ISEEC, Hinxton, England July 15, 2019

1. Scott J. Counterdiabatic driving as a strategy to control the timescales of evolution.

Cancer Research UK, ITN CONTRA, July 2019

1. Scott J. Understanding the evolution of drug resistance in cancer and pathogens: timescales, trajectories and model.

Society for Mathematical Biology Annual Meeting, University of Montreal, Montreal, Canada July 22, 2019

1. Scott JG. Controlling evolution with mathematics: timescales, trajectories and model.

2019 Society for Mathematical Biology Annual Meeting, Montreal, Canada, July 22-26

1. Hormuth DA, Elhalawani H, Elliott A, Chung C, Yankeelov T. Patient-specific, predictive modeling of the response to chemoradiation via MRI.

Society for Neuro-Oncology (SNO) Brain Metastases, New York NY, August 16-17, 2019

1. Tom MC, Routman DM, Laack NN, Frechette K, Park DYJ, Wei W, Leyrer CM, Peereboom DM, Ahluwalia MS, Chao ST, Suh JH, Murphy ES. Multi-institutional analysis of high-risk WHO grade II oligodendroglioma treated with adjuvant radiotherapy plus temozolomide (TMZ) versus procarbazine, lomustine, and vincristine (PCV). Accepted as E-TALK.
2. Ward MC, Prabhu RS, Asher AL, Wait SD, Sumrall AL, Shah C, Burri SH. Economic Implications of Preoperative versus Postoperative Stereotactic Radiosurgery for Brain Metastases. Poster.
3. Yang K, Murphy E. Neoadjuvant Radiosurgery for Large Brain Metastases
4. Suh JH. Discussant of radiation oncology abstracts.

ASTRO PRO Tract Head & Neck Cancer Education Session, September 15, 2019

1. Koyfman S, Takiar V, Siddiqui F. Current Clinical Cases in Head & Neck Cancer

ASTRO e-contouring. ASTRO Annual Meeting, Chicago IL, September 15, 2019

1. Videtic G. Oligometastatic SBRT- Lung.

ASTRO Abstracts 2019, ASTRO Annual Meeting, Chicago IL, September 16-18, 2019

RO 2019 Academic Activities Report

4. Amarnath S, et al. Toxicity and Efficacy Outcomes of Preoperative Pelvic Radiation Therapy in Patients with Inflammatory Bowel Disease and Rectal Cancer. Oral
5. Balagamwala EH, Sahgal A, Wei W, Campbell M, Reddy CA, Angelov L, Suh JH, Magnelli A, Yang K, Mohammadi AM, Chao ST. Multi-institutional validation of recursive partitioning analysis for overall survival in patients undergoing spine radiosurgery for spine metastasis. Poster
6. Broughman J, Xiong D, Miller KR, Contrera K, Prendes B, Lamarre E, Ku J, Burkey BB, Woody NM, Joshi NP, Adelstein DJ, Geiger JL, Frenkel CH, Moeller BJ, Milas ZL, Brickman DS, Sumrall AL, Carrizosa D, Koyfman SA, Ward MC. Patient Selection for De-Escalated Radiotherapy for Early-stage HPV+ Oropharynx Cancer Can be Improved by Considering Smoking Cessation: A Multi-Institution Analysis. Poster
7. Campbell S, Magnelli A, Murphy ES, Shah CS, Hamilton B, Majhail N, Sekeres M, Cherian S. Partial Transmission Kidney Blocks to Reduce Radiation Nephropathy in Patients Receiving Myeloablative Total Body Irradiation. Poster
8. Campbell S, Qi P, Reddy CA, Xia P, Mian OY, Stephans KL, Tendulkar RD. Simultaneous Pelvic Lymph Node Irradiation with Hypofractionated Prostate Radiotherapy for High Risk Prostate Cancer. Rejected
9. Campbell S, Agrawal S, Tom MC, Efstathiou JA, Zietman AL, Michalski JM, Abramowitz MC, Pollack A, Spratt DE, Hearn JWD, Stephans KL, Tendulkar RD. Impact of Post-Prostatectomy Prostate Specific Antigen (PSA) Kinetics on Outcomes of Salvage Radiotherapy. Oral
10. Ciezki J, Reddy CA, Mian O, Tendulkar RD, Ulchaker J, Tom M, Smile T, Zhang RX, Angermeier K, Campbell S, Klein EA. A Comparison between External Beam Radiotherapy and Low Dose-Rate Brachytherapy for Definitive Treatment of Gleason 9 & 10 (ISUP 5) Prostate Cancer. Poster
11. Elgohari B, Luciani T, Elhalawani H, Mohamed AS, Canahuate G, Vock D, Fuller CD, Marai GE. Correlating Toxicity Outcomes with Spatial Patterns of Lymph Node Metastasis for Oropharyngeal Cancer Patients
12. Elgohari B, Wentzel A, Hanula P, Luciani T, Elhalawani H, Cardenas CE, [xxx], Fuller CD, Marai GE. Cohort-Based Spatial Similarity Can Predict Radiotherapy Dose Distribution
13. Elhalawani H, Jin Y, Li T, Randall J, Mahajan A, Mohamed A, Elliott A, Anderson B, Landry L, Zhu H, Fuller C, Chung C. Longitudinal and Dose Dependent Analysis on White Matter Injury in Glioblastoma Radiation Therapy. Oral
14. Elhalawani H, He R, Yamazaki T, Gunderson AJ, Phillips M, McCarty K, McCormick M, Cochran D, Mohamed AS, Fuller CD, Gough M, Crittenden MR, Young KH. Multiparametric MRI Measures Correlate with Treatment Response and CD8 T Cell Infiltrate in Phase II Study of Tgf $\beta$ 1 Inhibitor with Chemoradiation in Locally Advanced Rectal Cancer
15. Elhalawani H, Mackin D, Elgohari B, Mohamed A, Volpe S, Yang P, Stieb S, Sikora A, Sandulache V, Lai S, Phan J, Morrison W, Gunn G, Rosenthal D, Garden A, Court L, Fuller C. Impact of Human Papillomavirus Infection and Tobacco Exposure On Oropharyngeal Squamous Cell Carcinoma Biology From A Radiomics Perspective. Poster
16. Elhalawani H, Mohamed A, Elgohari B, Lin T, Sikora A, Lai S, Phan J, Morrison W, Gunn G, Rosenthal D, Garden A, Fuller C, Sandulache V. Tobacco Exposure As a Major Modifier of Oncologic Outcomes in Human Papillomavirus Mediated Oropharyngeal Squamous Cell Carcinoma. Poster
17. Fleming C, Ward MC, Woody NM, Joshi NP, Greskovich J, Rybicki L, Xiong D, Contrera K, Ku J, Prendes B, Lamarre E, Lorenz R, Scharpf J, Burkey BB, Geiger JL, Adelstein DJ, Koyfman SA. Pre-treatment factors predictive of distant recurrence after definitive treatment of HPV associated oropharyngeal cancers. Poster
18. Fleming C, Ward MC, Woody NM, Joshi NP, Greskovich J, Rybicki L, Xiong D, Contrera K, Ku J, Prendes B, Lamarre E, Lorenz R, Scharpf J, Burkey BB, Geiger JL, Adelstein DJ, Koyfman SA. Factors predictive of overall survival in metastatic HPV+ oropharyngeal cancer: A multi-institutional study. Poster
19. Fleming C, Sittenfeld S, Woody NM, Kim A, Rybicki L, Menon N, Romero Marrero C, Aucejo F, Stephans K. Downstaging of Hepatocellular Carcinoma outside Milan criteria using SBRT. Poster
20. Fleming CW, Stephans KL, Broughman J, Rybicki L, Ahmad U, Videtic G. Outcomes after SBRT for inoperable early stage lung cancers arising in organ transplant patients. Poster
21. Ghanem A, Schymick M, Woody N, Joshi N, Geiger J, Tsai CJ, Dunlap N, Liu H, Burkey B, Lamarre E, Ku J, Scharpf J, Caudell J, Porceddu S, Lee N, Adelstein D, Koyfman S, Siddiqui F. Influence of Treatment Package Time on Outcomes in High-Risk Oral Cavity Carcinoma in Patients Receiving Adjuvant Radiation and Concurrent Systemic Therapy: A Multi-Institutional Collaborative Study. Poster
22. Greskovich, J, Jaen, G, Woody, NM, Wilkinson, A. Low Rates of Endoesophageal HDR Brachytherapy Toxicity: Long Term Results of a 3-Tube Technique in De Novo and Recurrent, Stage I, Non-surgical Patients. Poster
23. Guo B, Tendulkar RD, Stephans KL, Mian OY, Xia P. Monitoring intra-fraction prostate motion using KV triggered imaging during SBRT. Poster
24. Jin Y, Randall JW, Elhalawani H, Elliott AM, Anderson BM, Landry L, Mohamed AS, Fuller CD, Chung C. Evaluation of Serial Diffusion Tensor Imaging to Reveal Subclinical Tumor Prior to Detection on Anatomical Imaging in Patients with Glioblastoma
25. Karimi AM, Tom MC, Obi E, Tendulkar RD, Xia P, Cherian S, Suarez E, Naik M, Shah CS. Improvement in Cardiac Dosimetry by Optimizing Heart-Sparing Breast Radiotherapy. Poster
26. Kiser K, Meheissen MAM, Mohamed AS, Kamal M, Ng SP, Elhalawani H, Jethanandani A, He R, [...], Fuller CD. Quality Assessment of Commercially Available MRI-CT Deformable and Rigid Registration Algorithms
27. Kishan AU, Wong JK, Romero T, Grogan T, Tendulkar RD, Reddy C, Spratt DE, Levin-Epstein R, Wedde TB, Lilleby WA, Merrick GS, Stock RG, Krauss D, Tran PT, DeWeese T, Demanes DJ, Steinberg ML, King CR, Elashoff D, Horwitz EM.



- Radical Prostatectomy, External Beam Radiotherapy, or External Beam Radiotherapy With Brachytherapy Boost: Comparison of Outcomes in Multi-Institutional Analysis of 4,090 Patients with High-Risk Prostate Cancer. Oral
28. LaHurd D, Yu N, Kolar M, Murray EJ, Meier T, Chao ST, Suh JH, Xia P. Using Automatic Plan Consistency Check (APCC) to Reduce Errors in Treatment Plans. Poster
  29. Lee MY, Chao ST, Suh JH, Angelov L, Xia P, Balik S, Magnelli A, Balagamwala EH. Fractionated Spine Stereotactic Body Radiotherapy for Treatment of Primary and Metastatic Sarcoma. Poster
  30. Lee MY, Ouyang Z, LaHurd D, Xia P, Chao ST, Suh JH, Angelov L, Magnelli A, Balik S, Balagamwala EH. A Volumetric Dosimetry Analysis of Vertebral Body Fracture Risk after Spine Stereotactic Radiosurgery. Oral
  31. Levin-Epstein R, Kishan A, Steinberg M, King C, Ciezki J, Demanes DJ, Chu F, Sandler KA...et al. Clinical outcomes among Patients with Radiorecurrent Gleason Grade Group 5 Prostate Cancer: Impact of Initial Treatment Strategy. Poster
  32. Lou B, Doken S, Zhuang T, Wingerter D, Mistry N, Ladic L, Kamen A, Abazeed M. An Image-Based Framework for Individualizing Radiotherapy Dose. Oral
  33. Majkszak DM, Tendulkar RD, Dorfmeier AA, Shah CS. Technical Perspective on Novel Accelerated Partial Breast Irradiation Technique Delivered with IMRT and Online Image Guidance. Poster
  34. Murphy ES, Yang K, Suh JH, Yu J, Schilero C, Mohammadi A, Stevens G, Angelov L, Vogelbaum M, Barnett G, Neyman G, Chao ST. Prospective Phase I Dose Escalation Study for Neoadjuvant Radiosurgery for Large Brain Metastases. Oral
  35. Obi E, Tom M, Obi B, Cherian S, Tendulkar R, Shah C. Initial outcomes with an Image-Guided Five Fraction Accelerated Partial Breast Irradiation Regimen Delivered with IMRT. Poster
  36. Park D, Tom M, Wei W, Leyrer CM, Chao ST, Yu JS, Suh JH, Stevens G, Peereboom DM, Ahluwalia MS, Murphy ES. Quality of Life following Concurrent Radiotherapy and Temozolomide for Adult Patients with Low Grade Glioma. Poster
  37. Parsai S, Sedor G, Scott JG, Zahler S, Zhuang T, Qi P, Murphy ES. Multi-Site SBRT for Pediatric, Adolescent, and Young Adult Patients with Metastatic Sarcoma: Early Outcomes and Safety Data. Oral
  38. Parsai S, Lawrenz J, Kilpatrick S, Rubin B, Gray M, Campbell S, Mesko N, Nystrom L, Shah CS, Scott JG. Early Outcomes of Preoperative 5-fraction Radiation Therapy for Soft Tissue Sarcoma with Immediate Resection. Poster
  39. Qiao-Guan G, Murphy E, Suh JH, Barnett GH, Mohammadi A, Angelov L, Stevens GHJ, Smolenski K, Yu J, Neyman G, Chao ST. Dose escalation for larger brain metastases: A Phase I Study. Poster
  40. Scott JG, Sedor G, Peacock J, Kattan MW, Waller AF, Grass D, Mellon EA, Thapa R, Schell MC, Poppen S, Andl G, Eschrich SA, Dilling TJ, Dalton W, Harrison LB, Fox T, Torres-Roca JF. Quantifying Inefficiencies in Empiric Radiation Dosing: The Clinical Cost of Ignoring Biological Heterogeneity. Mini Oral
  41. Sedor G, Torres-Roca JF, Abazeed M, Scott JG. Classification of Radiosensitivity Index by Gaussian Mixture Modelling to Inform Radiotherapy Dose and Discover Disease Subclassifications. Poster
  42. Sedor G, Torres-Roca JF, Kattan MW, Scott JG. A Generalizable Competing Hazards Model of Radiation Associated Outcome Assuming Biological Heterogeneity. Poster
  43. Sharrett J, Sanjay, Shah CS, Nasr, Scharpf, Hong, Geiger, Koyfman S, Joshi NP. Gender Differences in Clinical Presentation and Treatment Outcomes in Aggressive Tall Cell Papillary Thyroid Carcinoma: a large, single institution experience. Poster
  44. Sharrett J, Sanjay, Shah CS, Nasr, Scharpf, Hong, Geiger, Koyfman S, Joshi NP. Factors Associated with Recurrence and Death in Patients with Aggressive Tall Cell Papillary thyroid Cancer: a large, single institutional series. Poster
  45. Sharrett J, Shah CS, Murphy ES, Hill, Pohlman, Jagadeesh, Dean, Garcia, Cherian S. Treatment Outcomes and Patterns of Failure in High Grade Lymphoma of the Thyroid Following Combined Modality Therapy: Single Institution Series. Poster
  46. Sittenfeld S, Pham Y, Reddy CA, Obi E, Kruse M, Al-Hilli Z, Cherian S, Shah CS, Tendulkar RD. Ten Year Outcomes of Locoregional and Distant Recurrence for T1-2N1 Breast Cancer With or Without Post-Mastectomy Radiotherapy. Poster
  47. Smile T, Tom M, Reddy C, Zhang R, Stephans K, Ciezki J, Mian O, Tendulkar R. Evaluating the 2018 NCCN Classification System for Intermediate-risk Prostate Cancer Patients Undergoing External-beam Radiotherapy. Poster
  48. Stieb S, Mohamed AS, Elgohari B, Elhalawani H, Engeseth GM, Deshpande TS, Reddy JP, Phan J, Morrison WH, Rosenthal DI, Garden AS, Frank SJ, Gunn GB, Fuller CD. Implementation of a Delineation Guideline for Dorsal Tongue Mucosa and ROI-specific Analysis of Dose-related Dysgeusia
  49. Tom M, Reddy CA, Smile T, Zhang RX, Ciezki JP, Stephans KL, Mian OY, Klein EA, Campbell S, Ulchaker J, Angermeier K, Tendulkar RD. Validation of the 2018 NCCN Prostate Cancer Risk Classification among 2,715 Patients Treated with Low Dose Rate I-125 Brachytherapy. Poster
  50. Tom M, Park DYJ, Wei W, Leyrer CM, Yang K, Jia X, Varra V, Yu JS, Chao ST, Suh JH, Vogelbaum MA, Barnett GH, Stevens G, Peereboom D, Ahluwalia M, Murphy ES. Malignant Transformation of Adult Low Grade Glioma: Risk Factors and Outcomes in the Molecular Era. Oral
  51. Tom M, Nguyen JK, Luciano R, Mian OY, Stephans KL, Ciezki JP, Smile T, Wei W, McKenney J, Magi-Galluzzi C, Tendulkar RD. Impact of Cribriform Pattern 4 and Intraductal Carcinoma on Gleason 7 Prostate Cancer Treated with External Beam Radiotherapy. Poster
  52. Wang J, Yang P, Zhao Y, Elhalawani H, Liu R, Zhu H, Mohamed AS, Fuller CD. A Predictive model of radiation-related fibrosis based on radiomic features of Magnetic Resonance Imaging
  53. Xakaryehi L, Xia P, Koyfman S, Woody NM, Joshi NP, Guo B. Incidence and dosimetric impact of minor and observer contouring errors for head and neck. Poster

54. Yang K, Ward MC, Juloori A, Joshi NP, Woody NM, Reddy CA, Burkey BB, Scharpf J, Lorenz RR, Prendes B, Lamarre E, Ku J, Geiger JL, Adelstein DJ, Koyfman S. Adjuvant Radiation for Pathological N1 Patients with Oral Cavity Squamous Cell Carcinoma after Adequate Neck Dissection. Poster
55. Yang K, Wang X, Kim LJY, Mack SC, Bao S, Rich JN. Targeting Metabolic Reprogramming to Radiosensitize Glioblastoma Stem Cells. Oral
56. Yard B, Petty A, Castrillon J, Abazeed M. The Radiogenomic Atlas: Systematic Charting of Genetic Variants That Determine Sensitivity to Radiation. Oral
57. Zhao Y, Yang P, Elhalawani H, Mohamed AS, Jin Y, Jin H, Shi Y, Wang H, Fuller CD. The Role of Immunotherapy in Nasopharyngeal Carcinoma in the Future: Evidence from the Era of Conventional Radiotherapy

Medical College of Virginia MD/PhD Program Annual Retreat, Sept 23 2019, Richmond, VA

1. Mian O. Invited alumni speaker

International Society of Limb Salvage, Athens, Greece, September 2019

1. Nystrom L, Mesko N, Lawrenz J, Rubin B, Kilpatrick S, Parsai S, Shah C, Scott J. Early outcomes of soft tissue sarcoma treated with preoperative hypofractionated radiation and immediate resection.

American Brain Tumor Association (ABTA) AARN Annual Meeting, Chicago IL, September 2019

1. Yu, J. Common Scenarios in Brain Tumor Management.

Artificial intelligence in Oncology. Cleveland, OH Oct 2019

1. Yu J. Clinical impact of artificial intelligence in oncology

Department of Radiation Oncology Grand Rounds, MD Anderson Cancer Center, Houston, TX, 10/2020

1. Tom MC. PET Imaging in the Precision Management of Brain Metastases.

Musculoskeletal Tumor Society, Portland OR, October 2-4, 2019

1. Parsai S, Lawrenz J, Kilpatrick S, Rubin B, Gray M, Campbell S, Mesko N, Nystrom L, Shah CS, Scott JG. Early Outcomes of Preoperative 5-fraction Radiation Therapy for Soft Tissue Sarcoma with Immediate Resection. Oral Abstract

Seymour Levitt lectureship at University of Minnesota. Oct 11, 2019.

1. Suh JH. Contemporary management of brain metastases.

6th Annual Multidisciplinary Colorectal Oncology Course, Cleveland Clinic Foundation, Naples, FL, October 19, 2019

1. Amarnath S. Not to be Overlooked: Sexual Health after Cancer Treatment.
2. Amarnath S. 2. Survivorship Cases, Moderator and Discussant

Medical Innovation Summit, Cleveland, OH Oct 21-23, 2019

1. Shah C. Panel member for Advancements in Radiation Therapy.
2. Suh J. Moderator for Advancements in Radiation Therapy.

AAPM Penn-Ohio Chapter meeting, Mayfield Height, OH. Oct 26, 2019

1. Xia P. Using Automation to improve clinical workflow.

Case Western Reserve University, Department of Nutrition, Cleveland OH, November 2019

1. Yu J. Effect of Hypoxia on Glioma Stem Cells

New approaches to whole-brain radiation therapy. 21th Annual Brain Tumor Update and 10th Annual International Symposium on Long-term Control of Metastases to the Brain and Spine. Las Vegas, NV. Nov 2-3, 2019

1. Suh JH. New approaches to whole-brain radiation therapy
2. Murphy E. Debate: Neoadjuvant Radiosurgery vs. Adjuvant Radiosurgery for Brain Metastases
3. Chao ST. Debate: 4-pi LINAC Radiosurgery vs Cobalt-60 Based Radiosurgery for Multiple Brain Metastases
4. Chao ST. Radiation necrosis
5. Chao ST. Updates on Radiation Therapy for Brain and Spine Metastases (ABTA 2019 Brain Tumor)
6. Murphy E. Debate: Radiosurgery vs. Surgery for Recurrent Pituitary Tumors
7. Murphy E. Debate Radiosurgery vs. Surgery for Recurrent Pituitary Tumors

International Stereotactic Radiosurgery Society "Pediatric SRS and SBRT" One hour webinar - November 06, 2019

1. Murphy E. Pediatric SRS and SBRT

21<sup>st</sup> Annual Best of Radiation Oncology, Independence, OH. Nov 9, 2019

RO 2019 Academic Activities Report

1. Tendulkar R. Updates in GU cancers.
2. Balagamwala E. Updates in GI cancers
3. Woody N. Updates in Head and Neck cancers
4. Stephans K. Updates in Lung cancers

Society for Neuro-Oncology (SNO) Annual Meeting, Phoenix, AZ, 11/2019.

1. Tom MC, Routman DM, Laack NN, Frechette K, Park DYJ, Wei W, Leyrer CM, Peereboom D, Ahluwalia M, Chao ST, Suh JH, Murphy ES. Multi-institutional analysis of high-risk WHO grade II oligodendroglioma treated with adjuvant radiotherapy plus temozolomide (TMZ) versus procarbazine, lomustine, and vincristine (PCV).

Radiation oncology grand rounds. Northwell. Dec 5, 2019

1. Suh JH. Contemporary management of brain metastases

CTRC-AARC San Antonio Breast Cancer Symposium, San Antonio, Texas, 12/2019

1. Ridner SH, Dietrich MS, Shah C, Vicini F. Factors associated with triggering events on the PREVENT trial at 2 years post-operatively.

Cancer Drug Discovery and Resistance Mini-Symposium, Cleveland, OH, 12/2019

1. Yu J. Targeting Glioma Stem Cell Vulnerabilities

## GRANTS AWARDED:

1. Abazeed M (PI). Precision targeting of therapeutic resistance in non-small cell lung cancer. NIH KL2 Career Development Award. 07/01/2015 – 06/30/2019. \$425,000
2. Abazeed M (PI). Center of Excellence for Precision Radiotherapy. 05/01/2017-04/30/2020. \$675,000
3. Abazeed M (PI). Targeting the Achilles' shield of TNBC by androgen blockade. ASCO Conquer Cancer Foundation. 07/01/2017-06/30/2020. \$450,000
4. Abazeed M (PI). Cancer avatars, hype or hope? VeloSano Impact Award. 7/01/2016-06/30/2019. \$450,000
5. Abazeed M (PI). Phase II Study of IMRT Re-irradiation with concurrent/adjuvant Nivolumab in locally recurrent curable squamous cell carcinoma of the head and neck. Pathology & Translational Research Bristol-Myers Squibb \$235,000 04/01/2017-06/30/2019.
6. Abazeed M (PI). Ameliorating treatment resistance by selective subclonal depopulation in lung adenocarcinoma. ALA Lung Cancer Discover Award (LCD-565365). 7/1/2018-6/30/2019. \$100,000
7. Abazeed M. (PI) A biomarker-driven strategy to guide the use of radiotherapy in non-small cell lung cancer. NIH/NCI RO1 CA222294-01A1. \$2,137,000. 07/01/2018-07/01/2023
8. Abazeed M. (PI). A biomarker-driven strategy to guide the use of radiotherapy in non-small cell lung cancer. NIH/NCI R37 CA222294-01A1. \$900,000. 07/01/2023-07/01/2025
9. Almasan A (PI). Therapeutic resistance in leukemic cells: targeting BCL-2 family and autophagy. RO1 CA184137. 9/25/15-9/25/20. \$1,812,845
10. Almasan A. (PI). Molecular Oncology (MO) research program. NCI (NIH) 2P30CA043703-28. 10/05/2018 – 3/31/2019. \$46,272
11. Almasan A. (co-PI-10%). Center of Excellence in Lymphoid Malignancies Research. 04/2018 – 03/2021. \$300,000. Provide \$31,000
12. Amarnath S. (co-PI). Neoadjuvant Immunotherapy in Rectal Cancer: A Pilot Study Examining the Safety and Feasibility of PD-1 Blockade in Rectal Cancer. VeloSano 2019 Pilot Award Grant Recipient \$100,000
13. Campbell S. Awarded \$750 Case Comprehensive Cancer Center, Office of Cancer Training, Education, and Research; Trainee Travel Award, ASTRO Chicago, IL, September 2019

14. Harr B, Woody N, Joshi N, Campbell S, Koyfman S. Caregiver Catalyst Award “Use of a Pen-Tablet User-Input Device to Improve Quality of Head and Neck Radiation Oncology Contouring.” AF2019015 Funding Period: July 1, 2019-June 30, 2020. \$9,756
15. Koyfman S (Co-PI- 5%;PI: Anant Madabhushu, Ph.D.) Quantitative Histomorphometric Risk Classifier (QuHbIC) in HPV + Oropharyngeal Carcinoma. 3/8/18-2/28/23. R01CA220581-01. \$3,149,529
16. Manyam B. NRG Oncology/RTOG/ACT New Investigator Travel Award Recipient, Phoenix AZ 2019. \$1,000.
17. Mian O (Co-investigator). Circulating cell free tumor DNA as a biomarker of therapeutic response in hepatocellular carcinoma. \$20,000 (2018-2020)
18. Mian O (PI). Establish a shared patient derived xenograft and organoid biobank for urothelial cancer. Case Comprehensive Cancer Center GU Pilot. 3/1/2017-3/1/2018. \$75,000
19. Mian O (PI) Prospective validation and functional characterization of a gene expression signature for identification and risk stratification of small cell (neuronal type) bladder cancer. VeloSano Grant 3/1/18-3/1/19. \$100,000
20. Mian O. Targeting HSD3B1-Associated Extragonadal Androgen Biosynthesis to Sensitize Lethal Prostate Cancer. Department of Defense Office of the Congressionally Directed Medical Research Programs (DCMRP), Prostate Cancer Research Program. 5/15/18-5/14/22. \$816,400
21. Mian O. RES513870 – MBD2 as a novel therapeutic target in TET2 deficient cancer.  
Sponsor: CWRU – Co-Laboratories Pilot Award Originator of Funds: NIH 2P30CA043703. 2/1/2019 – 3/31/2020 \$120,000
22. Mian O. L30 CA220908: NIH Loan Repayment Program, National Cancer Institute (NIH/NCI) 7/1/2017 – 6/30/2020 LRP Program. \$75K / 2 years, renewal Award: 35K / 1 year
23. Parsai, S. Temporally Feathered Intensity Modulated Radiation Therapy: Clinical Implementation of Techniques to Reduce Normal Tissue Toxicity. RPC 303, \$25,000. (notified of approval 5/30/20, now extended through 2020)
24. Qi P. New era for SBRT lung and liver patient setup: IGRT with 4D-CBCT. Varian grant for 4D-CBCT research, 1/1/19-12/31/21. \$74,000
25. Scott J. Charitable Donation from Carson Sarcoma Foundation. \$12, 500
26. Scott J. K12 CA076917 award. 7/1/18-6/30/21. \$390,000.
27. Scott J. Construction of a morbidostat for mammalian cells to study temporal genomics during the evolution of resistance. VeloSano research grant. 4/1/2018 – 06/30/2019. \$100,000
28. Scott J. Sarcoma Research Foundation 06/01/2019 – 05/31/2020 \$50,000
29. Scott J. R01 CA244613-01 Exploiting Ecology and Evolution to Prevent Therapy Resistance in EGFR-Driven Lung Cancer 12/01/2019 – 11/30/2024 NIH/NCI \$331,808 annual direct cost
30. Shah C. Value of Time to Treatment in Breast Cancer. Brander Beacons. 7/1/2019-Present. \$25,000
31. Shah C. Evaluating the Cost-Effectiveness of Image Guided Stereotactic Body Radiation Therapy. 9/16/2016 to 12/31/19. \$75,000.
32. Shah C. Assessing the Impact of the Microbiome on Breast Cancer Radiotherapy Toxicity. Breast Programming. 9/2018-present. \$30,000
33. Shah C. Prospective Registry with VeraForm Tissue Marker to Deliver Partial Breast Irradiation. Breast Programming. \$10,000
34. Shah C. DCISionRT registry. 12/2019- present. \$11,850.
35. Shah C. Triumph-T PI. Cianna Medical. 1/2017-12/2019. \$30,000
36. Shah C. Surface imaging in breast cancer technology. VisionRT. 11/2006-11/2019. \$50,000.
37. Stephans K. DFCI 1Y17-Experimental Therapeutics of Anti-Cancer Agents with Phase 1 Emphasis. \$ 16,264

38. Suh J. (2% effort ) LAP grant U10CA180853 LAPS grant, 3/1/18-2/28/19. \$1,187,291 (\$4000/pt enrolled)
39. Tom M. A Prospective Pilot to Evaluate the Diagnostic Assessment of 18F-Fluciclovine Positron Emission Tomography to Distinguish Radiation Necrosis from Tumor Progression Following Stereotactic Radiosurgery for Brain Metastases. RPC 326. \$25,000. September 2018.
40. Tom M. Awarded \$750 Case Comprehensive Cancer Center, Office of Cancer Training, Education, and Research; Trainee Travel Award, ASTRO Chicago, IL, September 2019
41. Xia P. Optimizer Project-Exhibit B-033. Philips Medical Systems, 8/1/2015-3/1/19. \$115,000
42. Yu JS (PI). Hypoxia Regulates Notch Turnover in Glioma Stem Cells Through Vasorin. R01NS094199 NIH/NINDS 9/30/15-7/31/20. \$1,730,000 (\$218,750/year)
43. Yu JS (PI). Selective Targeting of Glioma Stem Cells Through Sema3C/PlexinD1. R01NS092641. NIH/NINDS. 7/1/16 – 3/31/21. \$1,730,000 (\$218,750/year)
44. Yu JS (Co-Investigator – 5%). Bao (PI). Glioblastoma Stem Cell-Derived Pericytes and Cancer Invasion. R01NS091080. NIH/NINDS. 7/15/16 – 4/30/21. \$1,730,000 (\$218,750/year) 0.6 calendar
45. Yu JS (Co-Investigator – 5%). Bao (PI). Functional Inhibition of Deubiquitylase HAUSP to Disrupt Glioblastoma Stem Cells. R01CA184090 NIH/NCI. 4/1/15-3/31/20. \$1,800,000 (\$228,750/year) 0.36 calendar
46. Yu JS (Co-Investigator- 5%). Bao (PI) Ubiquitination and Deubiquitination of c-Myc in Glioblastoma. R01NS099175 NIH/NINDS. 9/30/16-6/30/21. \$1,730,000 (\$218,750/year) 0.6 calendar
47. Yu JS (Co-PI with Tiwari). Radiomic Risk Score to Identify Tumor Progression on MRI in Brain Metastases. The Dana Foundation. 9/7/17-9/6/20. \$66,667/yr 0.3 calendar
48. Yu J (Co-investigator 0.3 calendar effort) Durand (PI) Autonomic nervous system activity and the implications on breast cancer metastasis. Dept of Defense 9/1/18-8/31/21, \$193,633/yr (\$12,000 direct cost)
49. Yu JS (PI). Hypoxia Drives Glioma Stem Cell Migration and Invasion Via VASN-TGF-beta Signaling. VeloSano research grant. 4/1/18-3/31/19. \$100,000 0.3 calendar
50. Yu JS (PI). Mechanisms of Stem Cell Maintenance by Hypoxia. VeloSano Impact Award. 1/1/19-12/31-19. \$250,000. 0.3 calendar
51. Yu JS (Co-Investigator). Lathia/Ahluwalia (PI). Brain Tumor Research and Therapeutic Development. CCF Research Center of Excellence. 5/1/19-4/31/21. \$300,000/year. 0.3 calendar
52. Yu JS (PI). LncRNAs in Glioma Stem Cell Maintenance 0.3 calendar. 12/1/19-12/31/20 \$50,000

## **EDITORS/ADVISORY BOARD**

Abazeed M  
Associate Editor  
Advances in Radiation Oncology

Campbell S  
ARRO Editor  
ACR Journal Advisor  
July 2019 to present

Chao ST  
Editorial Board Member  
Journal of Neuro-oncology

Elhalawani H  
Reviewer  
Radiotherapy & Oncology

Joshi NP  
Co-Editor  
Radiation Oncology Question Review  
RO 2019 Academic Activities Report

Juloori A  
Member of ASTRO Physics Core Curriculum Committee  
2019-2020

Koyfman SA  
Associate Editor  
Journal of Clinical Oncology

Manyam B  
Completion of IJROBP Reviewer Program  
Awarded Outstanding Reviewer by Editorial Board

Murphy E  
Editorial advisory board  
Applied Radiation Oncology  
Oct 2017 to present

Reddy C  
Statistics Editor  
International Journal of Radiation Oncology, Biology and Physics  
October 1, 2014 to present.

Shah C  
Editorial Board  
Journal of Contemporary Brachytherapy  
2015 to present

Shah C  
Editorial Board  
Social Media Editor  
Brachytherapy  
2014 to present

Stephans K  
Editorial board  
Contemporary Radiation Oncology  
2015- present

Suh JH  
Editor-in-chief  
Applied Radiation Oncology  
Oct 2012 to present

Suh JH  
Associate editor  
Journal of Stereotactic Radiosurgery and SBRT  
Jan 2014 to present

Suh JH  
Editor  
Hematology Oncology

Tendulkar R  
Continuing Medical Education (CME) Editor  
International Journal of Radiation Oncology, Biology, Physics  
2015-2018

Tom M  
Review Panel

RO 2019 Academic Activities Report

## Applied Radiation Oncology

Videtic G

Executive Editor

ASTRO's Advances in Radiation Oncology

2015 to present

Videtic GMM

Editor, Lung and mediastinum

ACR Journal Advisor

Videtic GNM

Member, Data Monitoring Committee (DMC) CSP #2005

Veterans Affairs Lung Cancer Surgery Or Stereotactic Radiotherapy (VALOR), Trial

Xia P

Editorial advisory board

Applied Radiation Oncology

Oct 2012 to present

Yu J

Editor

Journal of Stem Cell and Transplantation Biology

2015 to present

Yu J

Associate editor

Advances in Radiation Oncology

2015 to present

Yu J

External Advisory Board member

Cancer

2017 to present

Top 2% reviewer

Yu J

Associate editor

International Journal of Radiation Biology

2018 to present

Yu J

Associate editor

Molecular Carcinogenesis

Dates of Service: 2018-present

Yu J

Journal: International Journal of Hyperthermia

Dates of Service: 2019-present

Role: Editor

## ***VISITING PROFESSORSHIPS***

1. Yu JS. University of Basel, Basel, Switzerland. January 2019
2. Scott JG, Beaumont Hospital, Detroit MI February 4, 2019
3. Suh JH. Cedars-Sinai Hospital. Los Angeles, CA. Feb 7, 2019
4. Suh JH. City of Hope. Duarte, CA. Feb 8, 2019
5. Videtic G. University of Miami, Miami FL. March 21, 2019
6. Tendulkar R. Northwell Health, Lake Success, NY, April 17, 2019

7. Suh JH. Medical College of Wisconsin, May 31, 2019
8. Tendulkar R. University of Kentucky, Lexington KY, June 7, 2019
9. Scott JG, Tel Aviv Medical Center, Tel Aviv, Israel, June 10, 2019
10. Yu J. Case Western Reserve University, Cleveland, OH, 9/2019
11. Suh JH. University of Minnesota, Oct 11, 2019
12. Suh JH. Northwell Health, Dec 5, 2019

### ***ABR ORAL AND WRITTEN BOARD EXAMINERS***

1. Suh JH. Section head for oral exam in Peds/CNS
2. Chao S. Peds/CNS oral board examiner
3. Xia P. Medical Physics oral board examiner
4. Tendulkar R. Breast written board examiner
5. Ciezki J. GU written board examiner

### ***DIRECTOR/CO-DIRECTOR OF COURSES***

1. Chao ST, Suh JH. Symposium Directors, 11th Annual International Symposium on Stereotactic Body Radiation Therapy and Stereotactic Radiosurgery, Orlando FL, February 22-24, 2019.
2. Greskovich J. 7<sup>th</sup> Annual Multidisciplinary Head and Neck Cancer Update, Fort Lauderdale, FL. March 2019
3. Shah CS. Disease Site Chair (Breast) – ABS Annual Meeting (Miami, FL, June 2019)
4. Neyman G, Suh JH. Co-director of Gamma Knife course- seven courses annually
5. Suh JH. Optimizing Multimodality Management of Brain & Spine Tumors in 2018, 20th Annual Brain Tumor Update and 9<sup>th</sup> Annual Symposium on Brain and Spine Metastases. Las Vegas, NV. Oct , 2019
6. Suh JH. Best of Radiation Oncology Review. Independence, OH. Dec 2019
7. Wilkinson A. Co-Director of MS Program in Medical physics; Radiation Therapy Physics course
8. Yu J. Program Chair, Society for Thermal Medicine Annual Meeting, April 2019
9. Yu J. Education Chair, Radiation Science and Medicine Working Group, American Association for Cancer Research (AACR), 2019-2020
10. Yu J, Brain Tumor Chair, Management for Different Glioma Subtypes: Are All Low-Grade Gliomas Created Equal?, ASCO 2019
11. Yu J, Program Chair of Bi-annual Meeting, National Center for Regenerative Medicine, Bi-annual Meeting, 2019-2020
12. Yu J, Co-chair, Case Comprehensive Cancer Center Annual Retreat, 2019

### ***2019-2020 BEST DOCTORS OF AMERICA (Castle Connolly)***

1. Chao S
2. Ciezki J
3. Fromm M
4. Greskovich J
5. Murphy E
6. Suh J
7. Stephans K
8. Tendulkar R
9. Videtic G

### ***2019 ACCOLADES***

1. Shah C. Breast Cancer Chair. 2019 ABS Annual Meeting.
2. Suh J. NCCN guideline steering committee for Case Comprehensive Cancer Center
3. Suh J. Board of Trustees for American Board of Radiology
4. Vassil A. ARS Planning Committee member for 2019 ARS Meeting
5. Vassil A. Alumni association (Oncology specialty director).
6. Yu J. President, Society for Thermal Medicine, 2019



## ***LARGE PHILANTHROPIC GIFTS***

1. Chao ST. Kerscher Family CNS Radiosurgery. \$750,000 over 3 years
2. Koyfman S. Melvin Markey Clinical Research Scholar in Head and Neck and Skin Cancer. \$100,000 over 3 years
3. Suh JH. Paul Harris research fund. \$37,500 over 3 years
4. Suh JH. Amy Post Brain Tumor Research Fund. \$25,000

## ***PATENTS***

1. Greskovich J. Multitube, Esophageal Brachytherapy Catheter U.S. Patent, # TBD. Additional patents awarded per letter from U.S. Patent office on February 24, 2019. Initial patents awarded September 19, 2017 (Patent # 9,764,158).
2. Disclosures from Scott JG.
  - a. IDF 2019-167: A Method to Speed the Evolution of Resistance with Altered Drug Dosing to Promote Collateral Sensitivity
  - b. IDF 2019-288: A Method to Ascertain Rational Drug Ordering to Promote Collateral Sensitivity
  - c. IDF 2019-288: A Gene Signature for the Prediction of Epithelial-Based Cancer Response to Cisplatin
  - d. IDF 2019-288: A Method to Use Experimental Evolution to Identify Biomarkers of Drug Sensitivity
  - e. IDF 2019-288: Choosing miRNA Cocktails for Cancer Therapy Based on a Network Potential Reduction Approach

## ***PUBLISHED LECTURES – AUDIO DIGEST:***

1. Greskovich J. Dose de-escalated radiation in favorable-risk patients with HPV-associated oropharyngeal cancer. 10:04 (Feb 21), 2019.

## ***COMMITTEES/BOARD/EXTERNAL ADVISORY BOARDS***

1. Campbell S. Association of Residents in Radiation Oncology (ARRO) Executive Committee Member, 2019-2021
2. Campbell S. Research Committee & Communications Subcommittee member for Radiation Oncology Institute, 2019-present.
3. Yu J. President, Society for Thermal Medicine (STM)
4. Yu J. Board of Directors, Radiation Oncology Representative, Society for Neuro-Oncology (SNO), 2019-2024
5. Yu J. External Advisory Board, Dana Farber Cancer Institute/Harvard Cancer Center SPORE: Targeted Therapies for Glioma, 2019-2024