KAMIL M. YENICE, Ph.D.

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EDUCATION

1978-1982 B.S., Physics. Istanbul University, Istanbul, Turkey
1982-1985 M.S., Physics. Bogazici University, Istanbul, Turkey
1987-1993 Ph.D., Physics, University of Toledo, Toledo, OH
1995-1997 M.S., Radiological Physics. Wayne State University, Detroit, MI

BOARD CERTIFICATION

2001 American Board of Medical Physics
2002 American Board of Radiology-Letter of Equivalence
2011 American Board of Medical Physics-Recertification

CURRENT POSITION

2012- Associate Professor, Chief of Clinical Physics, Department of Radiation and Cellular Oncology, University of Chicago

ACADEMIC APPOINTMENTS

1984-1986 Instructor, Department of Physics, Bogazici University, Istanbul, Turkey
1993-1995 Lecturer in Physics, Division of Science, Pennsylvania State University-Erie
1999-2003 Assistant Physicist, Department of Medical Physics, Memorial Sloan-Kettering Cancer Center, New York, NY
2003-2005 Assistant Attending Physicist, Department of Medical Physics, Memorial Sloan-Kettering Cancer Center, New York, NY
2005-2011 Assistant Professor, Department of Radiation and Cellular Oncology, University of Chicago
2007- Chief of Clinical Physics, Department of Radiation and Cellular Oncology, University of Chicago
2012- Associate Professor

Ph.D.-Granting Committee, Program, Institute, and Center Appointments

2005- Committee on Medical Physics

PROFESSIONAL AND CLINICAL POSITIONS

1987-1993 Teaching and Research Assistant, Part-time Instructor, Department of Physics and Astronomy, University of Toledo, Toledo, OH
1995-1997 MS student and Part-time Research Employee, Wayne State University, Harper Hospital, Detroit, MI

1997-1999 Clinical Medical Physicist, New York Presbyterian Hospital, Cornell Medical Center, New York, NY

SCHOLARSHIP

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

1. K. M. Yenice, S. A. Lee, and D. W. Downs, “Optical Properties of Methanol at High Pressures,” Molecular Physics, 69, 973-980 (1990).
2. K. M. Yenice, M. D. Reed, S. A. Lee, and C. S. Chang,“Hydrogen Bonding and the Liquid-to-Glass Transition in Propan-1-and-2-ol at High Pressures,” Journal of Raman Spectroscopy, 22, 679-682 (1991).
3. K. M. Yenice, and S. A.Lee,“Raman Spectroscopy of Potassium Selenate at High Pressure,” Journal of Raman Spectroscopy, 23, 299-302 (1992).
4. K. M. Yenice, S. A. Lee, H. M. Lu, and J. R. Hardy, “Experimental and Theoretical Study of K2SeO4 at Low Temperature and High Pressure,” Ferroelectrics, 173,7-15 (1995).
5. W. S. Zhou, K. M. Yenice, A. Anderson, and S. A. Lee, “Raman Studies of Molecular Crystals at High Pressures: I. Tribromofluoromethane, ”Journal of Raman Spectroscopy, 27, 9-15 (1996).
6. K. M. Yenice, S. A. Lee, and A. Anderson, “Raman Studies of Molecular Crystals at High Pressures: IV. Acetonitrile, CH3CN and CD3CN,” Journal of Raman Spectroscopy, 27, 835-840 (1996).
7. M. H. Bilsky, K. M. Yenice, D. M. Lovelock, and J. Yamada, “Stereotactic Intensity Modulated Radiation Therapy for Vertebral Body and Paraspinal Tumors,” Neurosurg Focus, 11 (6), 1-4 (2001).
8. K.M. Yenice, D. M. Lovelock, M. A. Hunt et al. “CT-Image Guided Intensity Modulated Therapy of Paraspinal Tumors Using Stereotactic Immobilization,” Int. J. Radiat. Oncol. Biol. Phys. 55 (3), 583-593 (2003)
9. M. Bilsky, Y. Yamada, K.M. Yenice, M. Lovelock, M. Hunt, P. H. Gutin, and S. A. Leibel, “Intensity Modulated Stereotactic Radiotherapy of Paraspinal Tumors: A preliminary report”, Neurosurgery 54: 823-831 (2004)
10. C. Hua, J. Chang, K.M. Yenice, M. Chan, and H. Amols "A practical approach to prevent gantry-couch collision for linac-based radiosurgery,” Med. Phys. 31 (7): 2128-2134 (2004)
11. D. M. Lovelock, C. Hua, P. Wang, M. Hunt, N. Fournier-Bidoz, K. Yenice, S. Toner, W. Lutz, H. Amols, M. Bilsky, Z. Fuks, Y. Yamada, “Accurate setup of paraspinal patients using a noninvasive patient immobilization cradle and portal imaging”, Med Phys, 32 (8), pp: 2606-14 (2005)
12. Y. Yamada, M. Lovelock, K.M. Yenice, M. Bilsky, M. Hunt, J. Zatcky, and S. A. Leibel, “Multi fractionated image guided and stereotactic intensity modulated radiotherapy of paraspinal tumors: A preliminary report”, Int. J. Radiat. Oncol. Biol. Phys. 62 (1), 53-61 (2005)
13. A. Narayana, J. Chang, K. M. Yenice, K. Chan, S. Lymberis, C. Brennan, C. P. H. Gutin, “Hypofractionated Stereotactic Radiotherapy Using Intensity-Modulated Radiotherapy in Patients with One or Two Brain Metastases” Stereotact Funct Neurosurg 85 (2-3) pp.82-87 (2006)
14. K. M. Yenice , A. Narayana, J. Chang, P. H. Gutin, H. I. Amols, “Intensity-modulated stereotactic radiotherapy (IMSRT) for skull base meningiomas” Int. J. Radiat. Oncol. Biol. Phys. 66 (Suppl 4) S95-S101 (2006)
15. J. Chang , K. M. Yenice , A. Narayana, P. H. Gutin, H. I. Amols, “Accuracy and feasibility of cone beam computed tomography (CBCT) for stereotactic radiosurgery (SRS) setup” Medical Physics Vol 34(6) pp. 2077-2084 (2007)

16. J. K. Salama, S. J. Chmura, N. Mehta, K. M. Yenice, W. M. Stadler, E. E. Vokes, D. J. Haraf, S. Hellman, R. R. Weichselbaum, “An Initial Report of a Radiation Dose-Escalation Trial in Patients with One to Five Sites of Metastatic Disease”, Clinical Cancer Research 14, 5255-5259 (2008)
17. S.H. Benedict, F.J. Bova, B. Clark, S.J. Goetsch, W.W. Hinson, D.D. Leavitt, D.J. Schlesinger, K.M. Yenice, “The role of Medical physicists in developing stereotactic radiosurgery”, Medical Physics Vol 35(9) pp.4262-4277 (2008)
18. J. Chang, K.M. Yenice, K. Jiang, M. Hunt, A. Narayana, “Effect of MLC leaf width and PTV margin on the treatment planning of intensity-modulated stereotactic radiosurgery (IMSRS) or radiotherapy (IMSRT)”, Med Dosim Vol. 34:110-116 (2009)
19. R. D. Wiersma, Z. Wen, M. Sadinski, K. Farrey, K. M. Yenice “Development of a frameless stereotactic radiosurgery system based on real-time 6D position monitoring and adaptive head motion compensation”, Phys. Med. Biol. 55: 389–401 (2010)
20. S. H. Benedict (Chair), K. Yenice (co-chair), D. Followill , J. Galvin , W. Hinson , B. Kavanagh , P. Keall , D.M. Lovelock , S. Meeks , L. Papiez , T. Purdie , R. Sadagopan , M. Schell , B. Salter , D. Schlesinger , A. Shiu , T. Solberg , D. Song , V. Stieber , R. Timmerman , W. Tome , D. Verellen , L. Wang , F. Yin “Stereotactic Body Radiation Therapy: The Report of AAPM Task Group 101” Med Phys. Vol. 37, No. 8, 2010
21. J. K. Salama, M. D. Hassalle, S. J. Chmura, R. Malik, N. Mehta, K. M. Yenice, V. M. Villaflor, W. M. Stadler, B. N. Ploite, P. C. Hoffman, E. E. W. Cohen, P. P. Connell, D. J. Haraf, E. E. Vokes, S. Hellman, R. R. Weichselbaum, “Steretactic Body Radiotherapy (SBRT) for Multi-site Extracranial Oligometastases: Final Report of a Dose escalation Trial in Patients with One to Five Sites of Metastatic Disease”, Cancer Vol. 118: 2962-2970 (2011)
22. D. J. Carlson and K. M. Yenice, "Tumor hypoxia is an important mechanism of radioresistance in hypofractionated radiotherapy and must be considered in the treatment planning process" Point and Counterpoint Debate, Med. Phys. 38, 6347 (2011)
23. S. Song, K. M. Yenice, M. Kopec, S. Liauw,“Image-Guided Radiotherapy Using Surgical Clips as Fiducial Markers after Prostatectomy: A Report of Total Setup Error, Required PTV Expansion, and Dosimetric Implications” , Radiotherapy and Oncology Vol. 103, 270-274 (2012)
24. A. A. Solanski, R. R. Weichselbaum, D. Appelbaum, K. Farrey, K. M. Yenice, S. J. Chmura, J. K. Salama, “The utility of FDG-PET for assessing outcomes in oligometastatic cancer patients treated with stereotactic body radiotherapy: a cohort study” Radiation Oncology Vol. 7, 216 (2012)
25. KA. Kumar, T Wu, N Tonlaar, C Stepaniak, KM. Yenice, SL. Liauw, “Image-guided radiation therapy for prostate cancer: A computed tomography–based assessment of fiducial marker migration between placement and 7 days” Practical Radiation Oncology (2014)

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

1. K. M. Yenice, and S. A. Lee, “Observation of the Liquid-Glass Transition in Isopropanol at High Pressure,” in Proceedings of the Twelfth International Conference on Raman Spectroscopy, edited by J. R. Durig and J. F. Sullivan, 516-517, Wiley, Chichester (1990)

2. K. M. Yenice, S. A. Lee, U.D. Venkateswaran, W. Williamson III, and J. J. Dubowski, “Photoluminescence Study of CdTe-Cd1-xMnxTe Multiple Quantum Well at High Pressure,” in Proceedings of 1993 joint AIRAPT/APS Topical Conference on High Pressure Science and Technology, Part 1, 609-612 (1993)

3. S. L. Wolden, K. M. Yenice, J. J. Kim, M. Hunt, "Intensity Modulated Radiation Therapy in Pediatric Oncology," Proceedings of 5th International Symposium on 3D Conformal Radiation Therapy and Brachytherapy, pp. 289-294 (2000)

(c) Non-peer-reviewed original articles

1. K. M. Yenice and P. H. Gutin, "Comment on 'Measurements of the relative output factors for CyberKnife Collimators" Neurosurgery, 52:162 (2004)

2. M. H. Bilsky, K. M. Yenice, P. H. Gutin, "Comment on 'An Anthropomorphic Phantom Study of the Accuracy of CyberKnife Spinal Radiosurgery'," Neurosurgery, 55:1147-1148 (2004)

(d) Book chapters:

1. K. M. Yenice and S. Wolden, IMRT of pediatric cancers. In: A practical guide to Intensity Modulated Radiation Therapy. Medical Physics Publishing, Madison, WI, 2003.

2. K. M. Yenice, Advanced treatment techniques II. In: A practical guide to Intensity Modulated Radiation Therapy, Medical Physics Publishing, Madison, WI, 2003.

3. K. M. Yenice, Y. Vinogradskiy, Moyed Miften, S. Dieterich and Indra Das, "Small Field Dosimetry for Stereotactic Radiosurgery and Radiotherapy" in: "Stereotactic Radiosurgery and Radiotherapy" Edited by S. H. Benedict, B. D. Kavanagh, and D. J. Schlesinger, Taylor and Francis, 2013
4. K.M. Yenice, David Klein and Dany Theriault, "Small Field and Radiosurgery Dosimetry" in "Scintillation Dosimetry" Edited by Sam Beddar and Luc Beaulieu, Taylor and Francis (in Press)

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

2008 K. M. Yenice, "Advanced Preparation: Learn how you can facilitate better IMRT evaluation in the planning stage" Inside Industry article, Enterprise Imaging & Therapeutic Radiology Management, Volume 18, Issue 10, (Oct 2008) http://imaging-radiation-oncology.advanceweb.com/ebook/archive.aspx

(f) Research Grants

1. American Cancer Society Research Scholar Grant: "Frameless SRS Based on Robotic Head Motion Cancellation" (RSG-13-313-01-CCE), $720,000 (7/1/2013-6/30/2017), Role: Co-Investigator (PI: Rodney Wiersma)

(g) Clinical trials that are ongoing and unpublished

1. IRB # 11-0336 "RTOG 1005: A Phase III Trial of Accelerated Whole Breast Irradiation with Hypofractionation Plus Concurrent Boost Versus Standard Whole Breast Irradiation Plus Sequential Boost for Early-Stage Breast Cancer" (Role:Co Investigator, PI: S. Chmura) Status: in progress
2. IRB # 16574B "A Randomized Phase II Trial of Docetaxel, Cisplatin or Carboplatin, and Hypofractionated Radiotherapy versus Docetaxel and Cisplatin or Carboplatin for Limited Volume Stage IV Non-small Cell Lung Cancer: The Synergistic Metastases Annihilation with Radiotherapy and Docetaxel (Taxotere) [SMART] Trial" (Role: Co Investigator, PI: E.Vokes) Status: in progress

3. IRB # 16802B “Biologic Endpoints in the Annihilation of Metastases for Oligometastasis (BEAM ON)” (Role: Co Investigator, PI: S. Chmura) Status: in progress
4. IRB #16866B “A Phase I Study of Stereotactic Body Radiation Therapy in Patients with Unresected Carcinoma of the Pancreas or Ampulla” (Role:Co Investigator, PI: S. Liauw) Status: in progress
5. IRB #14-00709 “A Phase I Study of Intensity Modulated Total Marrow Irradiation (IMTMI) in Addition to Fludarabine/ Melphelan Conditioning for Allogeneic Transplantation for Advanced Hematologic Malignancies” (Role:Co-Investigator, PI: Hongtao Liu) Status: in progress

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

1. K..M Yenice, J Partouche, J. Li, A Cunliffe, K Farrey, RR Weichselbaum, JK Salama, “Analysis of Radiation Pneumonitis (RP) Incidence in a Phase I Stereotactic Body Radiotherapy (SBRT) Dose Escalation Study for Multiple Metastases” (in preparation)

2. K. M. Yenice, J. Li, “Dosimetric Characterization of a New Commercial Plastic Scintillation Detector in FFF MV Photon Beams”

(i) Abstracts and Presentations

1. “The index of refraction and polarizability of methanol at high pressure,” K. M. Yenice and S. A.Lee, 1989 March Meeting of the American Physical Society, Bull. Am. Phys. Soc., 35, 507(1989)

2. “Raman study of isopropanol at high pressure,” K. M. Yenice and S. A. Lee, 1990 March Meeting of the American Physical Society, Bull. Am. Phys. Soc., 35, 775 (1990)

3. “Raman spectroscopy and lattice dynamics of potassium selenate,” K. M. Yenice and S. A. Lee,1993 March Meeting of the American Physical Society, Bull. Am. Phys. Soc., 36, 1013 (1991)

4. “High pressure Raman scattering investigation of phase transitions in potassium selenate,” K. M.Yenice and S. A. Lee, 1992 March Meeting of the American Physical Society, Bull. Am. Phys. Soc., 37, 256 (1992)

5. “Photoluminescence study of extremely heavily doped GaAs at high pressures,” C. S. Chang, K. M. Yenice, S. A. Lee, and U. D. Venkateswaran, 1993 March Meeting of the American Physical Society, Bull. Am. Phys. Soc., 38, 265 (1993)

6. “Optical investigations of Cd1-xMnxTe/CdTe superlattices at high pressure and low temperature,”K. M. Yenice, W. Williamson III, S. A. Lee and J. J. Dubowski, 1993 March Meeting of the American Physical Society, Bull. Am. Phys. Soc., 38, 531 (1993)

7. “Experimental and theoretical study of the phases of K2SeO4 at low temperature and high pressure,” K. M. Yenice, S. A. Lee, H. M. Lu, and J. R. Hardy, 1993 Spring Meeting of the Ohio Section of the American Physical Society, Bull. Am. Phys. Soc., 38, No.7 1664 (1993)

8. “Photoluminescence study of CdTe-Cd1-xMnxTe multiple quantum well at high pressure”. K. M. Yenice, S. A. Lee, U.D. Venkateswaran, W. Williamson III, and J. J. Dubowski, 1993 joint AIRAPT/APS Topical Conference on High Pressure Science and Technology, Bull. Am. Phys. Soc., 38, 1572 (1993)

9. “Vibrational properties of CBr3F at high pressures,” A. Anderson, K. M. Yenice, and S. A. Lee, 1994 March Meeting of the American Physical Society, Bull. Am. Phys. Soc., 39, 816 (1994)

10. “K2SeO4 at high pressures and low temperatures: A comparison between experiment and theory,” K. M. Yenice, S. A. Lee, H. M. Lu, and J. R. Hardy, 1994 March Meeting of the American Physical Society, Bull. Am. Phys. Soc., 39, 219 (1994)

11. “Vibrational properties of methly cyanide at high pressures,” K. M. Yenice, S. A. Lee, and A. Anderson, 1995 March Meeting of the American Physical Society, Bull. Am. Phys. Soc., 40, 760 (1995)

12. “The use of spreadsheets in clinical TLD dosimetry,” J. L. Presser, A. Georgiades, V. Ruiz, A. M. Sabbas, and K. M. Yenice, 1998 Annual Meeting of the American Association of Physicist in Medicine, PA-20, Medical Physics, 25, (1998)

13. “TLD dosimetry for total skin electron therapy,” A. M. Sabbas, A. Georgiades, J. Presser, V. Ruiz, and K. M. Yenice , 1998 Annual Meeting of the American Association of Physicist in Medicine, PA-14, Medical Physics, 25, (1998)

14. “Clinical implementation of total skin electron therapy using the high dose rate mode of Clinac 2100C,” K. M. Yenice, A. M. Sabbas, A. Georgiades, J. Presser, V. Ruiz, L. Z. Nisce, and D. Nori, 1998 Annual Meeting of the American Association of Physicist in Medicine, PA-13, Medical Physics, 25, (1998)

15. “Analysis of dose distributions in six dual field total skin electron therapy”, K. M. Yenice and A. M. Sabbas,1999 Annual Meeting of the American Association ofPhysicist in Medicine, PO-149, Medical Physics, Vol. 26, pp. 1155, (1999)

16. “Intensity Modulated Radiation Therapy for Pediatric Tumors,” S. L. Wolden, K.M. Yenice, M.A. Hunt,J.J.Kim, S. A. Leibel, 86th Scientific Assembly and Annual Meeting of Radiological Society of North America (2000)

17. “CT Guided IMRT for Para-Spinal Sites,” D.M. Lovelock, K.M. Yenice, W. Lutz, A. Erdi, J. Hu, N.Fournier-Bidoz, M. Hunt, H. Amols, C.C. Ling, and H. Lee, 1stInternational Symposium on Stereotactically Guided IMRT/IMRS, UCLA (2000)

18. “Patient Immobilization and 3D-Conformal Therapy for Paraspinal Tumors,” K. M. Yenice, D. M.Lovelock, W.R. Lutz, N. Fournier-Bidoz, M. Hunt, A. Erdi, H. I. Amols, C. C. Ling, K. Pfaff, and H. Lee, 19th Annual Meeting of European Society for Therapeutic Radiology and Oncology, Radiotherapy and Oncology, Vol. 56, S23 (2000)

19. “Penumbra Sharpening with IMRT in Paraspinal Treatments”, N. Fournier-Bidoz, P. Giraud, S. Spirou, C.Chui, M. Lovelock, K.M. Yenice, M. Hunt, 2001 Annual Meeting of the American Association of Physicist in Medicine, TU-D-150A-10, Medical Physics, Vol. 28, pp. 1256, (2001)

20. “Advantages of Intensity Modulated Stereotactic Radiosurgery Using a Mini-Multileaf Compared with Static Conformal Linac Radiosurgery”, K. M. Yenice, M. A. Hunt, and H. I. Amols, 2001 Annual Meeting of the American Association of Physicist in Medicine, TU-D-150A-10, Medical Physics, Vol. 28, pp. 1256, (2001)

21. “An Analytical Approach to Prevent Gantry-Couch Collision for Linac Based Radiosurgery”, C. Hua, J.Chang, K. M. Yenice, and H. I. Amols, 2003 Annual Meeting of the American Association of Physicist in Medicine, PO-T-297, Medical Physics, Vol. 30, pp. 1523, (2003)

22. “Comparison of Two Inverse IMRT Treatment Planning Systems”, K. M. Yenice, J. Chang, L. X Hong, et al. Annual Meeting of the American Association of Physicist in Medicine, PO-110, Medical Physics, Vol. 31, pp. 1874, (2004)

23. “Effect of MLC Leaf Width and PTV Margin on the Treatment Planning of Intensity-Modulated Stereotactic Radiosurgery or Fractionated Stereotactic Radiotherapy”, J. Chang, K. M. Yenice, A. Narayana, Annual Meeting of the American Association of Physicist in Medicine, TU-C-T-617-5, Medical Physics, Vol. 32, pp. 2087, (2005)

24. “Accuracy and Feasibility of Cone Beam Computed Tomography (CBCT) for Stereotactic Radiosurgery (SRS) Setup”, J. Chang, K. M. Yenice, D. Lovelock, A. Narayana, Y. Yamada, P. Gutin, H. Amols, Annual Meeting of the American Association of Physicist in Medicine, SU-FF-J-84, Medical Physics, Vol. 32, pp. 1939, (2005)

25. “Characteristics of Narrow Field Photon Beam Measurements for a Micro-MLC Based Radiosurgery System”, K. M. Yenice, T Wu, H Tu, C Reft,, Annual Meeting of the American Association of Physicist in Medicine, SU-FF-T-96, Medical Physics, Vol. 34, pp. 2423, (2007)

26. “Commissioning and Validation of the BrainLab Monte Carlo Dose Calculation Algorithm” T. Wu, Z. Labby, H. Al-Hallaq, K. Yenice*
50th Annual Meeting of the American Association of Physicist in Medicine, WE-E-AUD B-04, Medical Physics, Vol. 35, pp. 2953, (2008)

27. “Monte Carlo evaluation of stereotactic-body radiotherapy (SBRT) treatment planning for lung tumors”, T. Wu, K. Farrey, J.K. Salama, K.M. Yenice*
50th Annual Meeting of ASTRO, Int. J. Radiation Oncol Vol 72, S565 (2008)

28. “Single-segment non-coplanar beam optimization for gated lung SBRT planning and delivery”, J. Partouche, T. Wu, K. Farrey, J.K. Salama, K.M. Yenice*
51st Annual Meeting of ASTRO, Int. J. Radiation Oncol Vol 75, No 3 S672 (2009)
[Physics third place winner of the Poster Viewing Recognition Award for ASTRO’S 51st Annual Meeting]

29. "Can SBRT of 45 Gy in 3 fractions be safely delivered to unresectable pancreas patients", T. Wu, M. Kopec, S. Liauw, K.M. Yenice* 51st Annual Meeting of ASTRO, Int. J. Radiation Oncol Vol 75, No 3 S678 (2009)

30. "Development of a gated frameless stereotactic radiosurgery/radiotherapy system with real-time 3d position monitoring and adaptive head motion compensation", Z. Wen, K.M. Yenice, K. Farrey, R. Wiersma, 51st Annual Meeting of ASTRO, Int. J. Radiation Oncol Vol 75, No 3 S678 (2009)

31. M. Surucu, E.E. Klein, H. Al-Hallaq, C. A. Pelizzari, K. M. Yenice, "Implementation of Modulated Electron Beams and Photon IMRT Using a Commercially Available Treatment Planning System" (Poster at ASTRO 2010)

32. Murat Surucu and K.M. Yenice, "Equivalent uniform dose (EUD) and conformality analysis of 3mm AND 5mm with multi-leaf collimators for stereotactic radiosurgery" Med. Phys. 37, 3421 (2010);

33. K. M. Yenice, J. Partouche, A. Cunliffe, K. Farrey, R. R. Weichselbaum, J. K. Salama, "Analysis of Radiation Pneumonitis (RP) Incidence in a Phase I Stereotactic Body Radiotherapy (SBRT) Dose Escalation Study for Multiple Metastases" Int. J. Radiation Oncol Vol 78, No 3 S25 (2010)

34. K Farrey, M Sadinski, D Golden, G Redler, K. M. Yenice, JK Salama, CA Pelizzari, HA Al-Hallaq, "Cone-Beam (CBCT) CT may be necessary to ensure planned spinal cord doses are not exceeded in head-and-neck (H&N) patients treated with intensity-modulated radiotherapy (IMRT)" Int. J. Radiation Oncol Vol 78, No 3 S680 (2010)

35. C. Stepaniak, J. Li, K. Farrey, K. Yenice, H. Al-Hallaq, "Improvements in Step and Shoot Dose Delivery Accuracy on Varian TrueBeam", Med. Phys. 38, 3588 (2011)

36. K. M. Yenice, J. Li, "Dosimetric Characterization of a New Commercial Plastic Scintillation Detector in FFF MV Photon Beams" OC-0246, 2nd ESTRO Forum, Geneva, Switzerland (2013)

INVITED SPEAKING

2005 Invited Speaker, "Intensity Modulated Stereotactic Radiotherapy of Skull Base Meningiomas," Symposium on Advanced Precision Radiotherapy BrainLAB North America RT User Meeting, Orlando, FL

2007 Invited Speaker "Stereotactic Body Radiation Therapy: Clinical Issues and Technical Challenges", Penn-Ohio Chapter of AAPM, Fall Symposium, Cleveland, OH

2008 Invited speaker, "A preliminary Report on AAPM TG101 and MSKCC/UC SBRT Experience", MD Anderson Cancer Center, Houston, TX

2008 Radiation Oncology Grand Rounds, "SBRT Paradigm for Spinal Metastasis and UC Oligometastases Trial", MD Anderson Cancer Center, Houston, TX

2008 Therapy Continuing Education Course, "Stereotactic Body Radiation Therapy (SBRT) II: Physics and Dosimetry Considerations", American Association of Physicists in Medicine, Houston, TX, Annual Meeting

2009 Invited speaker, “Overview of Intensity Modulated Radiation Therapy”, Turkish Medical Physics Association: Workshop on IMRT and IGRT, Istanbul, Turkey

2009 Invited speaker, “IMRT of Chestwall and Breast”, Turkish Medical Physics Association: Workshop on IMRT and IGRT, Istanbul, Turkey

2009 Invited speaker, “Stereotactic Body Radiation Therapy”, Turkish Medical Physics Association: Workshop on IMRT and IGRT, Istanbul, Turkey

2009 Invited Speaker, “Breast IMRT: Clinical Application” 12th National Congress of Medical Physics, Ankara, Turkey

2009 Invited Speaker, “Head and Neck IMRT Techniques:” 12th National Congress of Medical Physics, Ankara, Turkey

2009 Invited Speaker, “Clinical Implementation of SBRT” 12th National Congress of Medical Physics, Ankara, Turkey

2010 Invited Speaker, “Stereotactic Body Radiation Therapy TG-101 update and University of Chicago Experience”, Gershenson Radiation Oncology Center, Karmanos Cancer Center, Wayne State University School of Medicine, Detroit MI

2011 Educational Symposium Moderator and Speaker, “Intracranial SRS and SRT” 2011 Joint American Association of Physicists in Medicine (AAPM) and the Canadian Organization of Medical Physicists (COMP), Annual Meeting, Vancouver, Canada

2012 SAMs Educational Symposium Moderator and Speaker, “Stereotactic Radiosurgery: State of the Art Technology and Implementation” American Association of Physicists in Medicine (AAPM) Annual Meeting, Charlotte, NC

2012 Invited Faculty, “Safety Issues in Radiotherapy”, AAPM-ISEP: Emergent Technologies in Radiation Therapy Physics, Antalya, Turkey

2012 Invited Faculty, “Introduction and Initiating a Stereotactic Radiosurgery Program”, AAPM-ISEP: Emergent Technologies in Radiation Therapy Physics, Antalya, Turkey

2012 Invited Faculty, “Stereotactic Radiosurgery: Clinical Examples”, AAPM-ISEP: Emergent Technologies in Radiation Therapy Physics, Antalya, Turkey

2012 Invited Faculty, “Stereotactic Radiosurgery: Commissioning and QA”, AAPM-ISEP: Emergent Technologies in Radiation Therapy Physics, Antalya, Turkey

2013 Invited Speaker, “Clinical QA Experience at University Chicago,” Stanford University School of Medicine Quality Assurance for Modern Radiation Therapy Symposium

2013 Invited Speaker, “Frameless Radiosurgery: From Frame to Mask to Nothing,” Radiological and Medical Physics Society of New York, Inc. 2013 Fall Symposium- Focal Therapies: Brachytherapy and SRS

2014 Invited Speaker, “Radiobiological Considerations for SRS and SBRT” Stereotactic Radiosurgery and Radiobiology Symposium, Turkish Medical Physics Association, Istanbul, Turkey

2014 Invited Speaker, “SBRT: TG-101 Guidelines” Stereotactic Radiosurgery and Radiobiology Symposium, Turkish Medical Physics Association, Istanbul

2015 Invited Speaker, “SBRT Techniques for Treating Lung Cancer”, Oncology Symposium, St. Mary Medical Center, Merrillville, IN

2015 Invited Speaker , “SBRT Clinical Protocols: Treatment planning and delivery considerations”, 15th Annual Medical Physics Congress, Trabzon, Turkey

2015 Invited Speaker , “Classical Radiobiology and Normal Tissue Complication Analysis”, 15th Annual Medical Physics Congress, Trabzon, Turkey

2015 Invited Speaker , “Radiobiology of SBRT and SRS”, 15th Annual Medical Physics Congress, Trabzon, Turkey

INVITED, ELECTED, OR APPOINTED EXTRAMURAL SERVICE

2006-2010	Co-Chair, AAPM Radiation Therapy Committee, Task Group 101: Stereotactic Body Radiation Therapy
2006	AAPM Liaison, RSNA Education Coordination Subcommittee
2007	AAPM Liaison, RSNA – Physics/Scientific Program Committee
2007	Member, AAPM Radiation Therapy Delivery Subcommittee
2007	Member, AAPM Middle Eastern Affairs Subcommittee
2007	Member, RSNA Radiation Oncology Research Study Section
2007	Scientific Review Committee for abstracts, Radiological Society of North America
2008	Presiding Officer, RSNA Annual Meeting Physics Session on "Radiation Therapy, Image Guided Therapy"
2008	Scientific Review Committee for abstracts, Radiological Society of North America
2009	Member, RSNA Radiation Oncology Research Study Section
2009	Scientific Review Committee for abstracts, Radiological Society of North America
2009	Level I Grant Reviewer, National Institutes of Health (NIH)
2009	Presiding Officer, RSNA Annual Meeting Physics Session on "Radiation Therapy, Image Guided Therapy"
2010	Member, RSNA Radiation Oncology Research Study Section
2010	Editorial Board, Journal of Applied Clinical Medical Physics
2010	Presiding Officer, RSNA Annual Meeting Physics Session on "CT Equipment and Phantoms"
2010	Scientific Review Committee for abstracts, Radiological Society of North America
2010	Scientific Review Committee for abstracts, American Association of Medical Physicists in Medicine
2010	Scientific Review Committee for abstracts, American Society of Radiation Oncology
2011	Moderator, AAPM/COMP Annual Meeting, Therapy Short Oral: Stereotactic Radiosurgery and Body Radiotherapy
2011	Moderator and Host, RSNA Annual Meeting, Therapy Poster Session
2011	Scientific Review Committee for abstracts, American Association of Medical Physicists in Medicine
2011	Scientific Review Committee for abstracts, American Society of Radiation Oncology
2011	Member, AAPM Education Program Subcommittee, 2012 Education Program Co-Director, Therapy
2011	Member, AAPM Meeting Coordination Committee, 2012 Education Program Co-Director, Therapy
2011	Member, Journal of Applied Clinical Medical Physics Editorial Board
2012	Member, Multidisciplinary QA Subcommittee of the Science Council, American Society of Radiation Oncology
2012	Member, AAPM Education Program Subcommittee, 2013 Education Program Director, Therapy
2013	Member, AAPM Work Group on IMRT
2013	Member, AAPM Partners in Physics Subcommittee
Various	Manuscript Reviewer, Neurosurgery; Medical Physics; International Journal of Radiation Oncology, Biology, and Physics; Journal of Applied Clinical Medical Physics
2014	Moderator and Presiding Officer, SSK20 - Physics (Radiation Therapy III), 100th Annual Meeting of Radiological Society of North America (RSNA)

PROFESSIONAL SOCIETIES

Elected or invited membership:

Society of Directors of Academic Medical Physics Programs

Other:
American Association of Physicists in Medicine (AAPM)
The American Society for Radiation Oncology (ASTRO)
European Society for Radiotherapy and Oncology (ESTRO)

EDUCATIONAL SERVICE

Graduate programs (Ph.D.):

2006- Course Director and Instructor, Physics of Radiation Therapy (MPHY 35100), teach half of the course material on an annual basis.

Graduate medical education (residency and clinical fellowships):

(a) Didactic

2005- Lectures on topics including Safety in Radiation Therapy (new since 2010); Stereotactic Radiosurgery and Body Radiotherapy; Physics of Radiation Therapy; Medical Resident's Summer Physics Course

(b) Clinical

2005- Clinical Mentor, Medical Physics Residency program, on a quarterly basis, 2 residents

(c) Research

2007 Tianming Wu, mentor for research project presented at AAPM annual meeting
2008 Tianming Wu, mentor for research project presented (Oral) at AAPM annual meeting
2008 Amanda Havnen, mentor for research project presented at ASTRO annual meeting
2010 Murat Surucu, mentor for research project presented (Oral) at AAPM annual meeting
2010 Murat Surucu, mentor for research project presented at ASTRO annual meeting

Research trainees:

(a) Undergraduate (B.A., B.S.)

2007 Eugenia Rakhno, North Central College, Summer Research Internship

(d) Graduate (Ph.D.)

2007 Zachary Labby, Committee on Medical Physics. Lab rotation.
2009 Alexandra Cunliffe, Committee on Medical Physics. Lab rotation.
2014- Andrew Belcher (PhD Dissertation Committee)