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CURRICULUM VITAE

An Tai PhD

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Department of Radiation Oncology

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EDUCATION:

Bachelor of Physics, Yunnan University, China, Aug. 1984
Master of Physics, Yunnan University, China, Aug. 1990
Ph. D in Theoretical Physics, University of Lund, Sweden, Apr. 1996

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

09/1996 - 08/1998 Postdoctoral Fellow, Institute of High Energy Physics, Beijing, China
11/1998 - 09/2005 Staff Research Associate, Department of Physics, University of California at Los Angeles, Los Angeles, CA 90095
09/2005 - 07/2007 Postdoctoral Fellow, Radiation Oncology, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226

FACULTY APPOINTMENTS:

07/2013 - Present Assistant Professor, Radiation Oncology, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226

SPECIALTY BOARDS AND CERTIFICATION:

Board Certified	Issue Date	Expiration
Medical Physics	05/2010	None

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Journal Review
2007 - Present Internal Journal of Radiation Oncology, Biology, Physics
2007 - Present Radiotherapy and Oncology
2007 - Present Medical Physics

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

National

Estimate of radiobiological parameters from clinical data for treatment planning of liver irradiation, AAPM 48th Annual Meeting, Orlando, FL, 07/30/2006 - 08/03/2006
Modeling of radiation-induced sensorineural hearing loss from IMRT and chemotherapy for Nasopharyngeal Carcinoma, AAPM 54th Annual Meeting, Charlotte, NC, 07/29/2012 - 08/02/2012
Extracting patient-specific radiobiological parameters for radiobiologically adaptive radiotherapy based on radiation response for lung cancer, AAPM 54th Annual Meeting, Charlotte, NC, 07/29/2012 - 08/02/2012

International

Predicting lung tumor regression during image-guided radiation therapy, AAPM 53rd Annual Meeting,

Vancouver, Canada, 07/31/2011 - 08/04/2011

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

National

Radiobiological considerations in designing hypofractionated radiation treatments for liver irradiation, ASTRO 48th Annual Meeting, Philadelphia, PA, 11/05/2006 - 11/09/2006

A software tool for on-line real-time verification of gated delivery using megavoltage fluoroscopy, AAPM 49th Annual Meeting, Minneapolis, MN, 07/22/2007 - 07/26/2007

Respiration induced abdominal organ motions and anatomic changes: indications for gated radiation therapy, AAPM 49th Annual Meeting, Mineeapolis, MN, 07/22/2007 - 07/26/2007

Modeling of normal tissue complication probability in liver irradiation, ASTRO 49th Annual Meeting, Los Angeles, CA, 10/27/2007 - 11/01/2007

Using megavoltage fluoroscopy and cone-beam for on-line verification of tumor locations in a gated/tumor tracking delivery, AAPM 50th Annual Meeting, Houston, TX, 07/27/2008 - 07/31/2008

Dosimetric and technical aspects of lung cancer radiotherapy with respiratory motion management and CT-fluoroscopic image guidance, ASTRO 50th Annual Meeting, Boston, MA, 09/21/2008 - 09/25/2008

Is daily image-guided patient positioning necessary for lung irradiation?, AAPM 51st Annual Meeting, Anaheim, CA, 07/26/2009 - 07/30/2009

Analyzing dose response of stereotactic body radiation therapy for lung tumors with a modified linear quadratic model, ASTRO 51st Annual Meeting, Chicago, IL, 11/01/2009 - 11/05/2009

Management of inter- and intra-fractional variations in abdominal irradiation using gated in-room CT, AAPM 52nd Annual Meeting, Philadelphia, PA, 07/18/2010 - 07/22/2010

Dosimetric impact of respiration gating on stereotactic body radiation therapy, ASTRO 52nd Annual Meeting, San Diego, CA, 10/31/2010 - 11/04/2010

Dosimetric impact of respiration gating on stereotactic body radiation therapy, ASTRO 52nd Annual Meeting, Philadelphia, PA, 10/31/2010 - 11/04/2010

MEDICAL COLLEGE TEACHING ACTIVITIES:

Resident and Fellow Education

07/2007 - Present Lecturer, Radiation Oncology Physics Course

Postdoctoral Fellow Education

07/2007 - Present Lecturer, Radiation Oncology Physics Course

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. **Tai A**, Erickson B, Khater KA, Li XA. Estimate of radiobiologic parameters from clinical data for biologically based treatment planning for liver irradiation. Int J Radiat Oncol Biol Phys. 2008 Mar 01;70(3):900-7.
2. Li XA, **Tai A**, Arthur DW, Buchholz TA, Macdonald S, Marks LB, Moran JM, Pierce LJ, Rabinovitch R, Taghian A, Vicini F, Woodward W, White JR, Radiation Therapy Oncology Group Multi-Institutional and Multiobserver Study. Variability of target and normal structure delineation for breast cancer radiotherapy: an RTOG Multi-Institutional and Multiobserver Study. Int J Radiat Oncol Biol Phys. 2009 Mar 01;73(3):944-51. PMCID: PMC2911777
3. **Tai A**, Erickson B, Li XA. Extrapolation of normal tissue complication probability for different fractionations in liver irradiation. Int J Radiat Oncol Biol Phys. 2009 May 01;74(1):283-9.
4. **Tai A**, Christensen JD, Gore E, Khamene A, Boettger T, Li XA. Gated treatment delivery verification with on-line megavoltage fluoroscopy. Int J Radiat Oncol Biol Phys. 2010 Apr;76(5):1592-8.
5. Allozi R, Li XA, White J, Apte A, **Tai A**, Michalski JM, Bosch WR, El Naqa I. Tools for consensus analysis of experts' contours for radiotherapy structure definitions. Radiother Oncol. 2010 Dec;97(3):572-8. PMCID: PMC3116271
6. Li XA, Liu F, **Tai A**, Ahunbay E, Chen G, Kelly T, Lawton C, Erickson B. Development of an online adaptive solution to account for inter- and intra-fractional variations. Radiother Oncol. 2011 Sep;100(3):370-4.

7. **Tai A**, Liang Z, Erickson B, Li XA. Management of respiration-induced motion with 4-dimensional computed tomography (4DCT) for pancreas irradiation. Int J Radiat Oncol Biol Phys. 2013 Aug 01;86(5):908-13.
8. Moraru IC, **Tai A**, Erickson B, Li XA. Radiation dose responses for chemoradiation therapy of pancreatic cancer: an analysis of compiled clinical data using biophysical models. Pract Radiat Oncol. 2014;4(1):13-9.
9. Prior P, **Tai A**, Erickson B, Allen Li X. Consolidating duodenal and small bowel toxicity data via isoeffective dose calculations based on compiled clinical data. Pract Radiat Oncol. 2014;4(2):e125-e131.
10. Chen X, Lu H, **Tai A**, Johnstone C, Gore E, Li XA. Determination of internal target volume for radiation treatment planning of esophageal cancer by using 4-dimensional computed tomography (4DCT). Int J Radiat Oncol Biol Phys. 2014 Sep 01;90(1):102-9.
11. **Tai A**, Liu F, Gore E, Li XA. An analysis of tumor control probability of stereotactic body radiation therapy for lung cancer with a regrowth model. Phys Med Biol. 2016 May 21;61(10):3903-13.
12. Liu F, **Tai A**, Ahunbay E, Gore E, Johnstone C, Li XA. Management of independent motion between multiple targets in lung cancer radiation therapy. Pract Radiat Oncol. 2017;7(1):26-34.
13. Liu F, **Tai A**, Lee P, Biswas T, Ding GX, El Naqa I, Grimm J, Jackson A, Kong FS, LaCouture T, Loo B Jr, Miften M, Solberg T, Li XA. Tumor control probability modeling for stereotactic body radiation therapy of early-stage lung cancer using multiple bio-physical models. Radiother Oncol. 2017 Feb;122(2):286-294. PMCID: PMC5649355
14. Paul J, Yang C, Wu H, **Tai A**, Dalah E, Zheng C, Johnstone C, Kong FM, Gore E, Li XA. Early Assessment of Treatment Responses During Radiation Therapy for Lung Cancer Using Quantitative Analysis of Daily Computed Tomography. Int J Radiat Oncol Biol Phys. 2017 Jun 01;98(2):463-472.
15. Noid G, **Tai A**, Chen GP, Robbins J, Li XA. Reducing radiation dose and enhancing imaging quality of 4DCT for radiation therapy using iterative reconstruction algorithms. Adv Radiat Oncol. 2017;2(3):515-521. PMCID: PMC5605285
16. Dalah E, Erickson B, Oshima K, Schott D, Hall WA, Paulson E, **Tai A**, Knechtges P, Li XA. Correlation of ADC With Pathological Treatment Response for Radiation Therapy of Pancreatic Cancer. Transl Oncol. 2018 Apr;11(2):391-398. PMCID: PMC5852406
17. Klawikowski S, **Tai A**, Ates O, Ahunbay E, Li XA. A fast 4D IMRT/VMAT planning method based on segment aperture morphing. Med Phys. 2018 Apr;45(4):1594-1602.
18. Bergom C, Currey A, Desai N, **Tai A**, Strauss JB. Deep Inspiration Breath Hold: Techniques and Advantages for Cardiac Sparing During Breast Cancer Irradiation. Front Oncol. 2018;8:87. PMCID: PMC5893752
19. Noid G, **Tai A**, Schott D, Mistry N, Liu Y, Gilat-Schmidt T, Robbins JR, Li XA. Technical Note: Enhancing soft tissue contrast and radiation-induced image changes with dual-energy CT for radiation therapy. Med Phys. 2018 Jul 04.
20. Dalah E, **Tai A**, Oshima K, Hall WA, Erickson B, Li XA. PET-based Treatment Response Assessment for Neoadjuvant Chemoradiation in Pancreatic Adenocarcinoma: An Exploratory Study. Transl Oncol. 2018 Oct;11(5):1104-1109. PMCID: PMC6070701
21. Mostafaei F, **Tai A**, Gore E, Johnstone C, Haase W, Ehlers C, Cooper DT, Lachaine M, Li XA. Feasibility of real-time lung tumor motion monitoring using intrafractional ultrasound and kV cone beam projection images. Med Phys. 2018 Oct;45(10):4619-4626.
22. Mostafaei F, **Tai A**, Omari E, Song Y, Christian J, Paulson E, Hall W, Erickson B, Li XA. Variations of MRI-assessed peristaltic motions during radiation therapy. PLoS One. 2018;13(10):e0205917. PMCID: PMC6201905
23. Lee P, Loo BW Jr, Biswas T, Ding GX, El Naqa IM, Jackson A, Kong FM, LaCouture T, Miften M, Solberg T, Tome WA, **Tai A**, Yorke E, Li XA. Local Control After Stereotactic Body Radiation Therapy for Stage I Non-Small Cell Lung Cancer. Int J Radiat Oncol Biol Phys. 2021 May 01;110(1):160-171. PMCID: PMC9446070
24. Iwaoka Y, Ikeda N, Ohno A, Ito H, **Tai A**. Antioxidant activity and Neurite outgrowth-enhancing activity of scorbamic acid and a red pigment derived from ascorbic acid. Nat Prod Res. 2020 Mar;34(6):838-842.
25. Prior P, **Tai A**, Erickson B, Li X. SU-E-T-252: Consolidating Duodenal/Small Bowel Toxicity Data via Iso-Effective Dose Calculations Based on Compiled Clinical Data. Med Phys. 2012 Jun;39(6Part13):3761.
26. Moraru I, **Tai A**, Erickson B, Li X. SU-E-T-256: Radiation Dose Responses for Chemoradiation Therapy of Pancreatic Cancer: An Analysis of Compiled Clinical Data Using Biophysical Models. Med Phys.

2012 Jun;39(6Part13):3762.
27. Schmid RK, **Tai A**, Klawikowski S, Straza M, Ramahi K, Li XA, Robbins JR. The Dosimetric Impact of Interfractional Organ-at-Risk Movement During Liver Stereotactic Body Radiation Therapy. Pract Radiat Oncol. 2019 Nov;9(6):e549-e558.
28. Li X, Khamene A, **Tai A**, Khater K, Celi J, Hristov D, Ofstad B. SU?FF?J?48: Developing In?Line KV Fluoroscopic Verification for 4D Adaptive Radiotherapy Medical Physics. June 2006;33(6):2031.
29. Morrow N, Chen G, **Tai A**, li X. SU?FF?T?268: Implementation of Good Laboratory Practice Standards for Improving Dosimetry in Radiobiology Lab Medical Physics. June 2006;33(6):2109.
30. **Tai A**, Erickson B, Khater K, Li X. TH?E?230A?07: Estimate of Radiobiological Parameters From Clinical Data for Treatment Planning of Liver Irradiation Medical Physics. June 2006;33(6):2295-2296.
31. **Tai A**, Erickson B, Khater K, Gore E, Dias L, li X. SU?FF?J?93: Respiration Induced Abdominal Organ Motions and Anatomic Changes: Indications for Gated Radiation Therapy Medical Physics. June 2007;34(6):2389-2390.
32. Christensen J, **Tai A**, Chen G, Boettger T, Khamene A, Celi J, li X. MO?E?M100F?04: Optimizing Low?Dose Megavoltage Fluoroscopy for 4D Radiotherapy Medical Physics. June 2007;34(6):2528-2529.
33. **Tai A**, Christensen J, Khamene A, Bayouth J, Boettger T, Celi J, li X. SU?FF?J?28: A Software Tool for On?Line Real?Time Verification of Gated Delivery Using Megavoltage Fluoroscopy Medical Physics. June 2007;34(6):2374.
34. Khamene A, Schaller C, Hornegger J, Celi JC, Ofstad B, Rietzel E, Li XA, **Tai A**, Bayouth J. A novel image based verification method for respiratory motion management in radiation therapy Proceedings of the IEEE International Conference on Computer Vision. 2007.
35. **Tai A**, Christensen J, Gore E, Khamene A, Boettger T, li XA. SU?GG?J?191: Use of Megavoltage Fluoroscopy and Cone?Beam CT for On?Line Verification During 4D/gated Delivery Medical Physics. June 2008;35(6):2723.
36. Christensen J, **Tai A**, Gore E, Li X. SU?GG?J?02: 3D Lung Tumor Motion Tracking Using MV Cone?Beam CT Acquisition with Synchronized Respiratory Monitoring Medical Physics. June 2008;35(6):2678-2679.
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38. **Tai A**, Gore E, Wu S, Li X. SU?FF?J?101: Is Daily Image?Guided Patient Positioning Necessary for Lung Irradiation? Medical Physics. June 2009;36(6):2499.
39. Zhang J, Wu Y, Liu W, Christensen J, **Tai A**, Li AX. Image guided tumor motion modeling and tracking Progress in Biomedical Optics and Imaging - Proceedings of SPIE. 2009;7264.
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42. Liang Z, **Tai A**, Erickson B, Kelly T, li X. SU?GG?J?113: Considering Respiration Motion in Radiation Treatment Planning for Pancreatic Cancers Medical Physics. June 2010;37(6):3171.
43. **Tai A**, Peng C, Erickson B, li X. SU?GG?J?69: Management of Inter? and Intra?Fractional Variations in Abdominal Irradiation Using Gated In?Room CT Medical Physics. June 2010;37(6):3161.
44. **Tai A**, Gore E, li AX. SU?D?BRC?02: Predicting Individual Lung Tumor Volume Change during Image? Guided Radiation Therapy for Adaptive Radiation Therapy Medical Physics. June 2011;38(6):3384.
45. **Tai A**, Wang J, Bao Y, Chen M, li X. SU?C?BRB?03: Modeling of Radiation?Induced Sensorineural Hearing Loss from IMRT and Chemotherapy for Nasopharyngeal Carcinoma Medical Physics. June 2012;39(6):3601.
46. **Tai A**, Gore E, li X. TH?E?218?09: Extracting Patient?Specific Radiobiological Parameters for Radiobiologically Adaptive Radiotherapy Based on Radiation Response for Lung Cancer Medical Physics. June 2012;39(6):4019.
47. Liu F, **Tai A**, Ahunbay E, Gore E, Johnstone C, li X. SU?E?CAMPUS?T?01: Dosimetric Benefits of Online Adaptive Replanning for Lung Cancer with Multiple Targets Medical Physics. June 2013;40(6):379.
48. Chen G, **Tai A**, Liu F, Shukla H, Erickson B, li X. SU?E?J?95: Increasing Soft Tissue Contrast by

Combining New CT Technologies and Imaging Dose for Radiation Treatment Planning and Delivery Guidance Medical Physics. June 2013;40(6):172.

49. **Tai A**, Schultz C, li X. SU?E?CAMPUS?J?05: Extracting Patient?Specific Radiobiological Parameters From Tumor Regression for Biologically?Based Adaptive Radiation Therapy of Head and Neck Cancer Medical Physics. June 2013;40(6):379.
50. Chen GP, Noid G, **Tai A**, Liu F, Lawton C, Erickson B, Li XA. Improving CT quality with optimized image parameters for radiation treatment planning and delivery guidance Physics and Imaging in Radiation Oncology. October 2017;4:6-11.
51. Keiper TD, **Tai A**, Chen X, Paulson E, Lathuilière F, Bériault S, Hébert F, Cooper DT, Lachaine M, Li XA. Feasibility of real-time motion tracking using cine MRI during MR-guided radiation therapy for abdominal targets. Med Phys. 2020 Aug;47(8):3554-3566.
52. Chen GP, **Tai A**, Keiper TD, Lim S, Li XA. Technical Note: Comprehensive performance tests of the first clinical real-time motion tracking and compensation system using MLC and jaws. Med Phys. 2020 Jul;47(7):2814-2825. PMCID: PMC7496291
53. Noid G, Zhu J, **Tai A**, Mistry N, Schott D, Prah D, Paulson E, Schultz C, Li XA. Improving Structure Delineation for Radiation Therapy Planning Using Dual-Energy CT Frontiers in Oncology. 28 August 2020;10.
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55. Chen GP, **Tai A**, Puckett L, Gore E, Lim S, Keiper T, Johnstone C, Shukla M, Lawton C, Li XA. Clinical Implementation and Initial Experience of Real-Time Motion Tracking With Jaws and Multileaf Collimator During Helical Tomotherapy Delivery. Pract Radiat Oncol. 2021;11(5):e486-e495.
56. Lee P, **Tai A**, Li XA. In Reply to Erguchi et al. Int J Radiat Oncol Biol Phys. 2021 Nov 15;111(4):1089-1090.
57. Kainz K, Garcia Alvarez J, Zhong H, Lim S, Ahunbay E, **Tai A**, Erickson B, Lawton C, Li XA. Use of a DVH overlay technique for quality assurance of deformable image registration-based dose accumulation. Med Phys. 2022 Jan;49(1):611-623.
58. Zafferani M, Haddad C, Luo L, Davila-Calderon J, Chiu LY, Mugisha CS, Monaghan AG, Kennedy AA, Yesselman JD, Gifford RJ, **Tai A**W, Kutluay SB, Li ML, Brewer G, Tolbert BS, Hargrove AE. Amilorides inhibit SARS-CoV-2 replication in vitro by targeting RNA structures. Sci Adv. 2021 Nov 26;7(48):eabl6096. PMCID: PMC8626076
59. Zhong H, Garcia-Alvarez JA, Kainz K, **Tai A**, Ahunbay E, Erickson B, Schultz CJ, Li XA. Development of a multi-layer quality assurance program to evaluate the uncertainty of deformable dose accumulation in adaptive radiotherapy. Med Phys. 2023 Mar;50(3):1766-1778. PMCID: PMC10033340
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61. Poppe MM, **Tai A**, Li XA, Miften M, Olch A, Marks LB, Qureshi BM, Spunt SL, Shnorhavorian M, Nelson G, Ronckers C, Kalapurakal J, Marples B, Constine LS, Liu AK. Kidney Disease in Childhood Cancer Survivors Treated With Radiation Therapy: A Comprehensive PENTEC Genitourinary Review. Int J Radiat Oncol Biol Phys. 2023 Jul 14.
62. Quashie EE, Li XA, Prior P, Awan M, Schultz C, **Tai A**. Obtaining organ-specific radiobiological parameters from clinical data for radiation therapy planning of head and neck cancers. Phys Med Biol. 2023 Dec 11;68(24).

Books, Chapters, and Reviews

1. **TAI A**, Li, XA, Dawson LA. Adaptive Radiation Therapy for Liver Cancer (Chapter 20) in Adaptive Radiation Therapy, edited by X Allen Li, Taylor & Francis, 2011
2. **TAI A**, Li XA. Biologically-Based Radiation Treatment Planning, edited by Yimin Hu, China Atomic Energy Press, 2013

Abstracts

1. Yang C, Liu F, **Tai A**, Gore E, Johnstone C, Li X. SU-E-J-190: Characterization of Radiation Induced CT Number Changes in Tumor and Normal Lung During Radiation Therapy for Lung Cancer. Med Phys. 2014 Jun;41(6):200.
2. Liu F, **Tai A**, Ahunbay E, Gore E, Johnstone C, Li X. MO-C-17A-06: Online Adaptive Re-Planning to

Account for Independent Motions Between Multiple Targets During Radiotherapy of Lung Cancer. Med Phys. 2014 Jun;41(6):415.
3. Noid G, Chen G, **Tai A**, Li X. SU-E-I-82: Improving CT Image Quality for Radiation Therapy Using Iterative Reconstruction Algorithms and Slightly Increasing Imaging Doses. Med Phys. 2014 Jun;41(6):149.
4. Noid G, **Tai A**, Li X SU-E-I-04: Improving CT Quality for Radiation Therapy of Patients with High Body Mass Index Using Iterative Reconstruction Algorithms. Med Phys. 2015 Jun;42(6):3242
5. Klawikowski S, **Tai A**, Ates O, Ahunbay E, Li X TH-EF-BRD-04: A Fast 4D IMRT/VMAT Planning Method Based On Segment Aperture Morphing. Med Phys. 2015 Jun;42(6):3740
6. Liu F, **Tai A**, Lee P, Biswas T, Ding G, El Naqa I, Grimm J, Jackson A, Kong F, LaCouture T, Loo B, Miften M, Solberg T, Li X TH-AB-304-04: Tumor Control Probability Modeling for Stereotactic Body Radiation Therapy of Early-Stage Lung Cancer Using Multiple Bio-Physical Models. Med Phys. 2015 Jun;42(6):3701
7. Dalah E, **Tai A**, Oshima K, Hall W, Erickson B, Li X TU-G-BRA-06: PET-Based Treatment Response Assessement for Neoadjuvent Chemoradiation for Pancreatic Adenocarcinoma. Med Phys. 2015 Jun;42(6):3631
8. Dalah E, **Tai A**, Oshima K, Hall W, Knechtges P, Erickson B, Li X SU-E-J-271: Correlation of CT Number Change with Radiation Treatment Response for Pancreatic Cancer. Med Phys. 2015 Jun;42(6):3329
9. **Tai A**, Prior P, Gore E, Johnstone C, Li X SU-E-J-31: Monitor Interfractional Variation of Tumor Respiratory Motion Using 4D KV Conebeam Computed Tomography for Stereotactic Body Radiation Therapy of Lung Cancer. Med Phys. 2015 Jun;42(6):3270
10. Omari E, **Tai A**, Cooper D, Lachaine M, Li X. SU-G-JeP4-12: Real-Time Organ Motion Monitoring Using Ultrasound and KV Fluoroscopy During Lung SBRT Delivery. Med Phys. 2016 Jun;43(6):3684.
11. **Tai A**, Li DJ, Currey A, Li XA. SU-F-T-525: Monitordeep-Inspiratory Breathhold with a Laser Sensor for Radiation Therapy of Left Breast Cancer. Med Phys. 2016 Jun;43(6):3584.
12. Noid G, **Tai A**, Li X. SU-F-J-71: Improving CT Quality for Radiation Therapy Planning and Delivery Guidance Using a Non-Linear Contrast Enhancement Technique. Med Phys. 2016 Jun;43(6):3422.
13. **Tai A**, Ahunbay E, Li X. SU-E-J-241: Creation of Ventilation CT From Daily 4D CTs Or 4D Conebeam CTs Acquired During IGRT for Thoracic Cancers. Med Phys. 2014 Jun;41(6):213.
14. Noid G, **Tai A**, Liu Y, Li X. TH-CD-202-03: Enhancing Soft-Tissue CT Contrast for Radiation Therapy Using Mono-Energetic Decompositions of Dual Energy CT. Med Phys. 2016 Jun;43(6):3876-3877.