

BIOGRAPHICAL SKETCH

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NAME Tokihiro Yamamoto, Ph.D.		POSITION TITLE Postdoctoral Fellow, Department of Radiation Oncology, Stanford University School of Medicine	
eRA COMMONS USER NAME (credential, e.g., agency login) YAMAMOTO.TOKIHIRO			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MONTH/YEAR(s) DEGREE CONFERRED	FIELD OF STUDY
Gifu College of Medical Technology, Gifu, Japan	A.A.	4/1997-3/2000	Radiological Technology Science
Osaka University, Osaka, Japan	B.S.	4/2000-3/2002	Radiological Technology Science
Osaka University, Osaka, Japan	M.S.	4/2002-3/2004	Medical Physics and Engineering
Osaka University, Osaka, Japan	Ph.D.	4/2004-3/2007	Medical Physics and Engineering
Stanford University, Stanford, CA	Postdoc	7/2007-present	Medical Physics

Research and/or Professional Experience

A. Employment

- 9/2002-3/2003 Assistant (part-time)
Department of Radiation Oncology and Image-Applied Therapy
Kyoto University Graduate School of Medicine, Kyoto, Japan
Supervisor: Masahiro Hiraoka, M.D., Ph.D., Professor and Director of Radiation Oncology
- 5/2005-3/2006 Assistant (part-time)
Department of Radiation Oncology and Image-Applied Therapy
Kyoto University Graduate School of Medicine, Kyoto, Japan
Supervisor: Masahiro Hiraoka, M.D., Ph.D., Professor and Director of Radiation Oncology
- 6/2006-3/2007 Assistant (part-time)
Department of Radiation Oncology and Image-Applied Therapy
Kyoto University Graduate School of Medicine, Kyoto, Japan
Supervisor: Masahiro Hiraoka, M.D., Ph.D., Professor and Director of Radiation Oncology
- 4/2007-6/2007 Researcher (part-time)
Department of Radiation Oncology and Image-Applied Therapy
Kyoto University Graduate School of Medicine, Kyoto, Japan
Supervisor: Masahiro Hiraoka, M.D., Ph.D., Professor and Director of Radiation Oncology
- 7/2007-present Postdoctoral Scholar (full-time)
Radiation Physics Division
Department of Radiation Oncology
Stanford University School of Medicine, Stanford, CA
Supervisor: Paul J. Keall, Ph.D., Associate Professor (with tenure) and Director of Radiation Physics

B. Honors

- 5/1999 Final-year scholarship, Gifu College of Medical Technology

C. Professional Societies and Public Advisory Committees

- 11/2001-present Associate Member, Japanese Society for Therapeutic Radiology and Oncology (JASTRO)
7/2003-present Member, Japan Society of Medical Physics (JSMP)
9/2005-present Japan Radiological Society (JRS)

10/2007-present Junior Member, American Association of Physicists in Medicine (AAPM)
1/2008-present Associate Member, American Society for Therapeutic Radiology and Oncology (ASTRO)
6/2009-present Associate Editor, *Radiological Physics and Technology* journal

D. Publications

Original research and theoretical treatises

1. **Yamamoto, T.**, Langner, U., Loo, B. W. Jr., Shen, J., and Keall, P. J. 2008. Retrospective analysis of artifacts in four-dimensional CT images of 50 abdominal and thoracic radiotherapy patients. *International Journal of Radiation Oncology Biology Physics*, **72**:1250-1258. (PMCID: 18823717)
2. Kabus S, von Berg J, **Yamamoto T**, Opfer R and Keall P J 2008 Lung ventilation estimation based on 4D-CT imaging. In: *Proc. of the First International Workshop on Pulmonary Image Analysis, MICCAI 2008*, (New York, NY pp 73-81). (URL: <http://www.lungworkshop.org/2009/proc2008/8-kabus.pdf>)
3. **Yamamoto, T.**, Mizowaki, T., Miyabe, Y., Takegawa, H., Narita, Y., Yano, S., Nagata, Y., Teshima, T., and Hiraoka, M. 2007. An integrated Monte Carlo dosimetric verification system for radiotherapy treatment planning. *Physics in Medicine and Biology*, **52**:1991-2008. (PMCID: 17374923)
4. Shimada, M., Nakamura, M., Miyabe, Y., **Yamamoto, T.**, Teshima, T., Narita, Y., Mizowaki, T., Nagata, Y., and Hiraoka, M. 2006. Impact of optimization algorithms on the intensity map in IMRT treatment planning. *Igaku Butsuri*, **26**:97-107. (in Japanese). (PMCID: 17344641)
5. Mitsumori, M., Hiraoka, M., Negoro, Y., Yamauchi, C., Shikama, N., Sasaki, S., **Yamamoto, T.**, Teshima, T., and Inoue, T. 2005. The patterns of care study for breast-conserving therapy in Japan: analysis of process survey from 1995 to 1997. *International Journal of Radiation Oncology Biology Physics*, **62**:1048-1054. (PMCID: 15990008)
6. Ogawa, K., Nakamura, K., Sasaki, T., **Yamamoto, T.**, Koizumi, M., Inoue, T., and Teshima, T. 2004. Radical external beam radiotherapy for prostate cancer in Japan: preliminary results of the changing trends in the Patterns of Care process survey between 1996-1998 and 1999-2001. *Japanese Journal of Clinical Oncology*, **34**:131-136. (PMCID: 15078908)
7. Ogawa, K., Nakamura, K., Sasaki, T., **Yamamoto, T.**, Koizumi, M., Teshima, T., and Inoue, T. 2004. Radical external beam radiotherapy for prostate cancer in Japan: preliminary results of the 1999-2001 patterns of care process survey. *Japanese Journal of Clinical Oncology*, **34**:29-36. (PMCID: 15020660)
8. Nakamura, K., Ogawa, K., **Yamamoto, T.**, Sasaki, T., Koizumi, M., Teshima, T., and Inoue, T. 2003. Trends in the practice of radiotherapy for localized prostate cancer in Japan: a preliminary patterns of care study report. *Japanese Journal of Clinical Oncology*, **33**:527-532. (PMCID: 14623922)
9. Shikama, N., Nishikawa, A., Mitsumori, M., Hiraoka, M., **Yamamoto, T.**, Teshima, T., Inoue, T., Wilson, F., and Owen, J. 2003. Patterns of care study: comparison of process of post-mastectomy radiotherapy (PMRT) in Japan and the USA. *Japanese Journal of Clinical Oncology*, **33**:518-521. (PMCID: 14623920)
10. Shikama, N., Sasaki, S., Mitsumori, M., Hiraoka, M., Yamauchi, C., **Yamamoto, T.**, Teshima, T., and Inoue, T. 2003. Patterns of care study in Japan: analysis of patients subjected to mastectomy followed by radiotherapy. *Japanese Journal of Clinical Oncology*, **33**:456-462. (PMCID: 14594939)
11. **Yamamoto, T.**, Teshima, T., Miyajima, S., Matsumoto, M., Shiomi, H., Inoue, T., and Hirayama, H. 2002. Monte Carlo calculation of depth doses for small field of CyberKnife. *Radiation Medicine*, **20**:305-310. (PMCID: 12553344)

Non-experimental articles

1. Nagata, Y., Takayama, K., Matsuo, Y., Norihisa, Y., Mizowaki, T., Sakamoto, M., Yano, S., Narita, Y., **Yamamoto, T.**, and Hiraoka, M. 2006. Stereotactic body radiotherapy (SBRT). *Gan To Kagaku Ryoho*, **33**:455-461. (in Japanese). (PMCID: 16612153)

Books

1. None.