Yuxia Zhang, M.S.

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Department of Radiation Oncology
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EDUCATION

Degrees:

1999 – 2001	M.S.	Chemical Engineering University of Toledo
1990 – 1994	B.S.	Environmental Chemistry and Analysis Beijing Polytechnic University, Beijing, China

Certificates:

2008 – present The ABR Board Certified: Therapeutic Radiologic Physics

EXPERIENCE:

2006 – present ***Instructor – Medical Physics***
Department of Radiation Oncology
University Hospitals Case Medical Center
Cleveland, Ohio

2002 – 2006 ***Clinical Engineer – Junior Medical Physicist***
Department of Radiation Oncology
Case Western Reserve University
Cleveland, Ohio

2001 – 2002 ***Research Assistant III***
Department of Radiation Oncology
Case Western Reserve University
Cleveland, Ohio

1994 – 1998 ***Chemical and Environmental Research Engineer***
Beijing Research Academy of Environmental Services
Beijing, P.R China

Teaching:

2006 – present ***Instructor***
Medical Physics Course for Radiation Oncology Residents
University Hospitals Case Medical Center
Department of Radiation Oncology

PROFESSIONAL SOCIETY:

2006 – present Full Member, American Association of Physicists (AAPM)
2007 – present Full Member, Cyber Knife Society

PUBLICATIONS:

1. Kunos C, Debernardo R, Radivoyevich T, Fabien J, Dobbins D, **Zhang Y**, Brindle J. ^{18}FDG-PET/CT definition of clinical target volume for robotic stereotactic body radiosurgery treatment of metastatic gynecologic malignancies. Faulhaber. *J Nucl Med Radiat Ther* 2011, S:4

2. Kunos C, Chen W, DeBernardo R, Waggoner S, Brindle J, **Zhang Y**, Williams J, Einstein D. Stereotactic body radiosurgery for pelvic relapse of gynecologic malignancies. Technol Cancer Res Treat. 2009 Oct; 8(5):393-400.

3. Kunos C, Von Gruenigen V, Waggoner S, Brindle J, **Zhang Y**, et al. Cyberknife Radiosurgery for Squamous Cell Carcinoma of Vulva after Prior Pelvic Radiation Therapy. *Technology in Cancer Research and Treatment*. 2008; 7(5): 375-80

4. H.H. Street, M.L. Goris, G.A. Fisher, B.W. Wessels, C. Cho, C. Hernandez, H.J. Zhu, **Y. Zhang**, J. Nangiana, J.S. Shan, K. Roberts, S.J. Knox, Phase I Study of ^{131}I-Chimeric(ch) TNT-1/B Monoclonal Antibody for the Treatment of Advanced Colorectal Cancer. *Cancer Biother Radiopharm.* 2006; 21(3): 243-256.

5. Kunos C, Debernardo R, Radivoyevich T, Fabien J, Dobbins D, **Zhang Y**, Brindle J. ^{18}FDG-PET/CT definition of clinical target volume for robotic stereotactic body radiosurgery treatment of metastatic gynecologic malignancies. Faulhaber. *J Nucl Med Radiat Ther* 2011, S:4

6. Kunos C, Chen W, DeBernardo R, Waggoner S, Brindle J, **Zhang Y**, Williams J, Einstein D. Stereotactic body radiosurgery for pelvic relapse of gynecologic malignancies. Technol Cancer Res Treat. 2009 Oct; 8(5):393-400.

7. Kunos C, Von Gruenigen V, Waggoner S, Brindle J, **Zhang Y**, et al. Cyberknife Radiosurgery for Squamous Cell Carcinoma of Vulva after Prior Pelvic Radiation Therapy. *Technology in Cancer Research and Treatment*. 2008; 7(5): 375-80

8. H.H. Street, M.L. Goris, G.A. Fisher, B.W. Wessels, C. Cho, C. Hernandez, H.J. Zhu, **Y. Zhang**, J. Nangiana, J.S. Shan, K. Roberts, S.J. Knox, Phase I Study of ^{131}I-Chimeric(ch) TNT-1/B Monoclonal Antibody for the Treatment of Advanced Colorectal Cancer. *Cancer Biother Radiopharm.* 2006; 21(3): 243-256.

Book Chapters:

1. Charles Kunos, Yuxia Zhang, James Brindle. Stereotactic Body Radiosurgery in Gynecologic Carcinomas. Textbook of Gynaecological Obcology Chapter 142: 835-841, 2012

Abstracts

1. Software Tool Used in Setting Optimization Control Points for Hypofractionated CyberKnife Treatment Planning. Y Zheng, **Y Zhang**, J Brindle, J Fabien, W Chen, C Woods, N Galanopoulos, J Choe, C Kunos, R Ellis, L Ponsky, G Funkhouser, M Machtay, D Einstein, B Wessels. Joint AAPM/COMP meeting, July 2011

2. A prospective phase 2 evaluation of stereotactic body radiosurgery for gynecologic malignancies. Investigators: Kunos C, Brindle J, **Zhang Y**, Debernardo R. Annual CyberKnife Scientific Meeting Feb 2011 San Francisco, CA

3. Toxicity Data For Hypofractionated Radiosurgery Using the Linear Quadratic Model to Constrain Normal Organ Tolerance Doses. Juno Choe, William Chen, Charles Woods, Barry Wessels, Yiran Zheng, **Yuxia Zhang**, Jim Brindle, Charles Kunos, Janice Lyons, Douglas Einstein. ASTRO meeting October 2010

4. Use of the Linear Quadratic (LQ) Model to Constrain Normal Organ Tolerance Doses in Hypofractionated Cyberknife Treatment Planning. B. W. Wessels, Y. Zhang, J. Choe, J. Brindle, Y. Zheng, W. C. Chen, J. W. Sohn, C. Kunos and D. B. Einstein. CyberKnife Users' Meeting 2010

5. CyberKnife Radiosurgery for Unresectable Tumors of the Liver, Biliary Tree, and Pancreas: Preliminary Results. K.K. Goyal, D. Einstein, C. Kunos, C. Siegel, D. Singh, J. Brindle, Y. Zhang, J, Williams and J. Sanabria. CyberKnife Users' Meeting 2009

6. Stereotactic robotic radiosurgery for localized prostate cancer: Initial evaluation of acute toxicities. L. E. Ponsky, C. Lillibridge, J. Brindle, **Y. Zhang**, B. Wessels and D. B. Einstein. Journal of Clinical Oncology, 2009 ASCO Annual Meeting Proceedings (Post-Meeting Edition). Vol 27, No 15S (May 20 Supplement), 2009: e16006

7. The assessment of targeting potential from intratumoral infusion of I-131-ch-TNT-1/B using image fusion technology for patients with glioblastoma. Wessels B, Sgouros G, **Zhang Y**, Bouchet L, Shan J, Patel S, Chen T, Jenson R, Nelson A. *Cancer Biother Radiopharm.* 2002; 17(4): 486