

CURRICULUM VITAE

Timothy J. Waldron, M.S.

I. EDUCATIONAL AND PROFESSIONAL HISTORY

A. List of institutions attended, board certification, licensure

9/1981-6/1985	B.S.	Richard Stockton State College Pomona NJ
5/1990-5/1995	M.S.	University of Texas Health Science Center, MDACC, Houston TX

Board certification:

November 2000	American Board of Radiology – Therapeutic Radiological Physics
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Licensure

- Texas

B. Professional and Academic Positions

9/1987-7/1990	Field Service Representative, Varian Associates Radiation Division Palo Alto, CA
7/1990-7/1992	Accelerator Technician III, Department of Radiation Physics, University of Texas, M.D. Cancer Center Houston, TX
10/1995-9/1996	Physicist/dosimetrist, Savannah Oncology Center Savannah, GA
9/1996-2/1998	Medical Physicist, Fox Chase Cancer Center Philadelphia, PA
3/1998-9/2002	Medical Physicist/Supervisor of Accelerator Maintenance, University of Texas, M.D. Cancer Center Houston, TX
9/2002-10/2004	Medical Physicist, University of Texas, M.D. Cancer Center Houston, TX
11/2004-current	Associate, Medical Physics, Department of Radiation Oncology, University of Iowa Iowa City, IA

C. Honors and Awards**II. TEACHING****A. Teaching assignments on semester by semester basis
(least to most recent)****B. Students supervised
(name, degree objective, outcome)****C. Other contributions to institutional programs****D. Course materials
(syllabi, instructional web pages, computer lab materials)****E. Other outside institution contributions**

Instructor, Medical Physics III, G.S.B.S., 020113, 9/2001-2005

Instructor, Electronics for Medical Physics, G.S.B.S., 020203, 2001-2005

Instructor, Medical Dosimetry Program, 1998-2005

Instructor, Short Course, "Dosimetry of High Energy Electron and X-Ray Therapy Machines, Department of Radiation Physics, 1998-2002

Instructor, Short Course, "Introduction to Radiotherapy Physics", Department of Radiation Physics, 1998-2005

Instructor, Short Course, "Radiation Physics for Administrative Professionals", Department of Radiation Physics, 2000-2005

III. SCHOLARSHIP**A. Publications or creative works (least to most recent)**

1. Boyer AL, Ochrans TG, Nyerick CE, Waldron TJ, Huntzinger CJ. Clinical dosimetry for implementation of a multileaf collimator. *Med. Phys.* 1992;19:1255-1261.
2. Bortfeld T, Boyer AL, Schlegel W, Kahler DL, Waldron TJ. Realization and verification of three-dimensional conformal radiotherapy with modulated fields. *Int. J. Radiat. Oncol. Biol. Phys.* 1994;30:899-908.
3. Bortfeld TR, Kahler DL, Waldron TJ, Boyer AL. X-ray field compensation with multileaf collimators. *Int. J. Radiat. Oncol. Biol. Phys.* 1994;28:723-730.

4. Desobry GE, Waldron TJ, Das IJ. Validation of a new virtual wedge model. *Med. Phys.* 1998;25:71-72.
5. Waldron TJ. Functional Requirements for IMRT. In: Intensity-Modulated Radiation Therapy-The State of the Art. Madison: Medical Physics Publishing; 2003. pp. 373-400.

B. Areas of Research Interest and Current Projects

1. Intensity Modulated Radiation Therapy (IMRT) – Forward and Inverse Treatment planning techniques, motion-compensated radiation delivery, clinical studies, and quality assurance.

C. Published reviews of Scholarship

D. Grants Received

E. Invited Lectures, Conference Presentations, Visiting Professorships

1. The Theory and Operation of Computer-controlled Linear Accelerators, American Association of Physicists in Medicine, Montreal, Canada, 7/2002
2. AAPM Summer School on Intensity-Modulated Radiation Therapy, Colorado springs, CO, Invited Faculty, 6/2003

IV. SERVICE

A. Memberships in Professional Organizations

1998-2003	Medical Physics Journal Reviews
2002-2003	Radiotherapy Service Engineers' Association

B. Clinical assignments since last promotion