



## Robin Stern, Ph.D.

<b>Clinical Interests</b>	<p>Dr. Stern is a medical physicist with broad clinical interest in radiation oncology treatment and treatment planning. While supporting all treatment modalities, she specializes in brachy therapy, both high-dose and low-dose-rate CLDRJ, and intra-cranial and body stereotactic treatment using both Gamma Knife and linear accelerator systems.</p> <p>She is particularly interested in improving patient safety through the use of quality assurance/quality control/quality improvement tools and methodologies.</p>
<b>Title</b>	Technical Director Professor
<b>Specialty</b>	<a href="#">Cancer</a> , <a href="#">Radiation Oncology</a>
<b>Department</b>	<a href="#">Radiation Oncology</a>
<b>Division</b>	Radiation Oncology
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<b>Education</b>	Ph.D., University of Michigan, Ann Arbor MI 1987 B.A., Rice University, Houston TX 1981 M.S., University of Michigan, Ann Arbor MI 1984
<b>Fellowships</b>	Duke University, Durham NC 1987-1989 University of Michigan, Ann Arbor MI 1989-1991
<b>Board Certifications</b>	American Board of Radiology, 1997
<b>Professional Memberships</b>	American Association of Physicists in Medicine American College of Radiology American Society of Therapeutic Radiology and Oncology San Francisco Bay Area Chapter, American Association of Physicists in Medicine
<b>Honors and Awards</b>	Fellow, American Association of Physicists in Medicine, 2007 Who's Who in America, 2005



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#### Select Recent Publications

Fong de Los Santos LE, Evans S, Ford EC, Gaiser JE, Hayden SE, Huffman KE, Johnson JL, Mechalakos JG, Stern RL, Terezakis S, Thomadsen BR, Pronovost PJ, Fairbent LA. Medical Physics Practice Guideline 4.a: Development, implementation, use and maintenance of safety checklists. *J Appl Clin Med Phys*. 2015 May 8;16(3):5431.

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Stanic S, Franklin SD, Pappas CT, Stern RL. Gamma knife radiosurgery for recurrent glossopharyngeal neuralgia after microvascular decompression. *Stereotact Funct Neurosurg*. 2012; 90(3):188-91.

Stern RL, Heaton R, Fraser MW, Goddu SM, Kirby TH, Lam KL, Molineu A, Zhu TC; AAPM Task Group 114. Verification of monitor unit calculations for non-IMRT clinical radiotherapy: report of AAPM Task Group 114. *Med Phys*. 2011 Jan;38(1):504-30.

Stern RL, Liu T. Dwell position inaccuracy in the Varian GammaMed HDR ring applicator. *J Appl Clin Med Phys*. 2010 Sep 7;11(4):3158.

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Stern RL, Perks JR, Pappas CT, Boggan JE, Chen AY. The option of linac-based radiosurgery in a Gamma Knife radiosurgery center. *Clin Neurol Neurosurg.* 2008;110: 968-972.

A.W. Lightstone, S.H. Benedict, F.J. Bova, T.D. Solberg, R.L. Stern. Intracranial Stereotactic Positioning Systems: Report of the American Association of Physicists in Medicine Radiation Therapy Committee Task Group No. 68. *Med Phys.* 2005;32: 2380-2398.

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