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CURRENT POSITION:

Radiation Oncologist 2005 to date  
President, Vijay Kini, MD, Inc

EDUCATION and EXPERIENCE:

Seth G. S. Medical College  
Bombay, India  
M.B.B.S., 1993

Intern, Internal Medicine  
St. Louis University Health Sciences Center  
St. Louis, MO  
1994-1995

Resident, Radiation Oncology  
William Beaumont Hospital, Royal Oak, MI  
1995-1998.

Chief Resident, Radiation Oncology  
William Beaumont Hospital, Royal Oak, MI  
1998-1999.

Staff Physician,  
McGuire VA Medical Center,  
Assistant Professor,  
Radiation Oncology,  
Medical College of Virginia  
Richmond, Virginia  
July 1999 to November 2003

Radiation Oncologist  
St. Jude Medical Center  
101 East Valencia Mesa Drive  
Fullerton, CA 92835  
December 2003 to May 2005

#### LICENSURE AND CERTIFICATION:

Board Certified in Radiation Oncology by the American Board of Radiology (1999, 2009)  
Licensed to practice Medicine in California, Florida and Texas

#### HONORS AND AWARDS:

American Brachytherapy Society, President's Award for Outstanding Service as Chairman of the Membership Committee, May 2002

A.D.Williams Foundation, Medical College of Virginia, Faculty Development Award, 2002.

American Society for Therapeutic Radiology and Oncology (ASTRO)-  
Travel Award to ESTRO meeting, 2001

International Congress on Radiation Oncology – Travel Grant Award.  
Annual meeting of the International Society of Radiation Oncology, Melbourne, Australia, 2001

American Society for Therapeutic Radiology and Oncology (ASTRO) -  
Resident Clinical/Basic Science Research Award, annual meeting 1998

Radiologic Society of North America Research and Education Fund -  
Roentgen Resident Research Award, 1998

Michigan Society of Therapeutic Radiology -Delmar H. Mahrt Resident Research Award, 1998

#### PROFESSIONAL AFFILIATIONS:

1995-present American Society of Therapeutic Radiology and Oncology (ASTRO).

#### COMMITTEE AND ADMINISTRATIVE SERVICE:

2006 Moderator, Scientific session, Abstract reviewer, Head and Neck Section, ASTRO annual meeting

2005 -6 Abstract reviewer, Head and Neck Section, ASTRO annual meeting

2005 Moderator Scientific Session, Breast Cancer, American Brachytherapy Society annual meeting

2004 - Chair, Commercial Liaison Committee, American Brachytherapy Society  
2004 - Member, ASTRO Joint Economics Council  
2003-2004 Member-at-large, Board of Directors, American Brachytherapy Society.  
2001-2003 Chair, Membership Committee, American Brachytherapy Society.  
1999 -2001 Membership Committee. American Brachytherapy Society.  
1998-1999 Resident Coordinator. American Brachytherapy Society.  
1998-1999 Resident Representative. William Beaumont Hospital Research Foundation Board of Governors.  
1999 to 2003 Cancer Center Review Committee, Massey Cancer Center, Medical College of Virginia.  
2001 to 2003 Independent Physician Monitor, Cancer Center Review Committee, Massey Cancer Center, Medical College of Virginia  
2001 to 2003 Member, Radiation Safety Committee, Medical College of Virginia

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Kini VR. Balloon Breast Brachytherapy: A review of current techniques. Editorial. Brachytherapy. 4:181-2, 2005.

Kini VR, Vedam SS, Keall PJ, Chen C, Patil S, and Mohan R . Patient training for respiratory gated radiotherapy. Medical Dosimetry, 28:7-11, 2003.

Kini VR, Edmundson GK, Vicini FA, Jaffray DA, Gustafson GS and Martinez AA. Use of Three Dimensional Radiation Therapy Planning Tools and Intraoperative Ultrasound to Evaluate High Dose Rate Prostate Brachytherapy. International Journal of Radiation Oncology Biology and Physics. 43: 571-8; 1999.

Kini VR, Vicini FA, Frazier RS, Victor SJ, Wimbish K, and Martinez AA. Mammographic, Pathologic and Treatment Related Findings Predictive of Long Term Local Control in Patients with Early Stage Breast Cancer Treated with Breast Conserving Therapy. International Journal of Radiation Oncology Biology and Physics. 43: 341-6; 1999.

Kini VR, Vicini FA, Victor SJ, Dmurchowski CF, Rebner M and Martinez AA. The Impact of the Mode of Detection on Outcome in Breast Cancer Patients Treated with Breast Conserving Therapy. American Journal of Clinical Oncology 22: 429-35, 1999.

Kini VR, White JR, Horwitz EM, Dmurchowski CF, Martinez AA, and Vicini FA. Long Term Results with Breast Conserving Therapy for Early Stage

Breast Cancer in a Community Hospital Setting. *CANCER*. 82: 127-33; 1998.

George R, Keall PJ, Kini VR, Vedam SS, Ramakrishnan V and Mohan R. Is the diaphragm motion probability density function normally distributed. *Medical Physics*. 32:392-404, 2005.

Keall PJ, Joshi S, Vedam S, Siebers JV, Kini VR and Mohan R. Four-dimensional radiotherapy planning for DMLC-based radiotherapy planning. *Medical Physics*. 32:942-51, 2005.

Keall PJ, Todor AD, Vedam SS, Bartee CL, Siebers JV, Kini VR and Mohan R. On the use of EPID-based implanted marker tracking for 4D radiotherapy. *Med Phys*. 31:3492-9, 2004.

Vedam SS, Keall PJ, Docef A, Todor DA, Kini VR, and Mohan R. Predicting Respiratory Motion for Four Dimensional Radiotherapy. *Medical Physics*; 31: 227483, 2004

Vedam SS, Kini VR, Keall PJ, Ramakrishnan V, Mostafavi H and Mohan R. Quantifying the predictability of diaphragm motion during respiration with a noninvasive external marker. *Medical Physics*; 30: 505-12, 2003

George R, Keall PJ, Kini VR, Vedam SS, Siebers J, Wu M et al. Quantifying the effect of intrafraction motion during breast IMRT planning and dose delivery. *Medical Physics*, 30: 552-62, 2003.

Vedam SS, Keall PJ, Kini VR, Mostafavi H, Shukla HP, Mohan R. Acquiring a four-dimensional computed tomography dataset using an external respiratory signal. *Physics in Medicine and Biology* 48:45-62, 2003

Keall PJ, Kini VR, Vedam SS and Mohan R. Potential Radiotherapy Improvements with Respiration Gating. *Australasian Physical and Engineering Sciences in Medicine*. 25: 1-6; 2002.

Vedam SS, Keall PJ, Kini VR and Mohan R. Determining optimal parameters for respiration gated radiotherapy. *Medical Physics* 28:2139-46, 2001.

Keall PJ, Kini VR, Vedam SS, and Mohan R. Motion Adaptive X-ray Therapy: A feasibility study. *Physics in Medicine and Biology*. 46:1-10, 2001.

Baglan K, Martinez AA, Frazier RC, Kini VR, Kestin LL, Chen PY et al. The use of High-Dose-Rate brachytherapy alone after lumpectomy in

patients with early-stage breast cancer treated with breast-conserving therapy. *International Journal of Radiation Oncology Biology and Physics*. 50: 1003-1011, 2001

Frazier RC, Kestin LL, Kini VR, Martinez AA, Chen PY, Baglan KL, Vicini FA. Impact of boost technique on outcome in early-stage breast cancer patients treated with breast-conserving therapy. *Am J Clin Oncol* 24:26-32, 2001

Stromberg JS, Sharpe MB, Kim LH, Kini VR, Jaffray DA, Martinez AA and Wong JW. Active Breathing Control for Hodgkin's Disease: Reduction in Normal Tissue Irradiation with Deep Inspiration and Implications for Treatment. *International Journal of Radiation Oncology Biology and Physics*. 48: 797-806, 2000.

Kestin LL; Jaffray DA; Edmundson GK; Martinez AA; Wong JW; Kini VR; Chen PY; Vicini FA. Improving the dosimetric coverage of interstitial high-dose-rate breast implants *International Journal of Radiation Oncology Biology and Phys*. 46:35-43, 2000.

Vicini FA, Kini VR, Chen PY, Benitez P, Gustafson G, Goldstein N and Martinez AA. Irradiation of The Tumor Bed Alone After Lumpectomy in Selected Patients with Early Stage Breast Cancer Treated with Breast Conserving Therapy. *Journal of Surgical Oncology*. 70: 33-40; 1999.

Vicini FA, Kini VR, Edmundson G, Gustafson GS, Stromberg JS and Martinez AA. A Comprehensive Review of Prostate Brachytherapy. *International Journal of Radiation Oncology, Biology and Physics* . 44: 483-91, 1999.

Vicini FA, Kini VR, Spencer W, Diokno A, Martinez AA. The Role of Neoadjuvant Androgen Deprivation in the Management of Clinically Localized Prostate Cancer Treated with Radiation Therapy. *International Journal of Radiation Oncology Biology and Physics*. 43: 707-13, 1999.

Victor SJ, Horwitz EM, Kini VR, Martinez AA and Vicini FA. Impact of clinical, pathologic, and treatment related factors on outcome in patients with locally advanced breast cancer treated with multimodality therapy. *American Journal of Clinical Oncology*. 22:119-25; 1999.

Wong JW, Sharpe MB, Jaffray DA, Kini VR, Robertson JM, Stromberg JS and Martinez AA. The Use of Active Breathing Control to Minimize Breathing Motion During Radiation Therapy. *International Journal of Radiation Oncology Biology and Physics* . 44: 911-9, 1999.

Vicini FA, Kestin LL, Edmundson GK, Jaffray DA, Wong JW, Kini VR, Chen PY and Martinez AA. Dose-volume analysis for quality assurance of interstitial brachytherapy for breast cancer. *International Journal of Radiation Oncology Biology and Physics*. 45: 803-10, 1999.

Vicini FA, Horwitz EM, Kini VR, Stromberg JS and Martinez AA. Radiotherapy Options for Localized Prostate Cancer Based Upon Pretreatment Serum Prostate Specific Antigen Levels and Biochemical Control: A Comprehensive Review of the Literature. *International Journal of Radiation Oncology, Biology and Physics*. 40: 1101-1110; 1998.

Vicini FA, Jaffray DA, Horwitz EM, Martinez AA, Edmundson GK, DeBiose DA, Kini VR, and Martinez AA. Implementation of 3-D Virtual brachytherapy in the Management of Breast Cancer: A Description of a New Method of Interstitial Brachytherapy of the Breast. *International Journal of Radiation Oncology Biology and Physics*. 40: 629-35, 1998.

Victor SJ, Brown DM, Horwitz EM, Martinez AA, Kini VR, Pettinga J, Shaheen KW, Chen PY and Vicini FA. Treatment Outcome with Radiation Therapy after Breast Augmentation or Reconstruction in Primary Breast Cancer. *CANCER*. 82: 1303-9; 1998.

Vicini FA, Horwitz EM, Lacerna MD, Brown DM, White JR, Dmuchowski CF, Kini VR, and Martinez AA. The Role of Regional nodal Irradiation in the Management of Patients with Early-Stage Breast Cancer treated with Breast-Conserving Therapy. *International Journal of Radiation Oncology Biology and Physics*. 39: 1069-75; 1997.

Vicini FA, Kini VR and Martinez AA. Treatment of Prostate Cancer with Goserelin and Radiotherapy. Letter to the editor: *New England Journal of Medicine*. 337: 1693-94; 1997.