

ASTRO School of Radiation Oncology

Online CME/SAM

Biosketch Information

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Brief Disclosure Statement

My group and I have received royalties and research funding related to the development of a new applicator for HDR/PDR intracavitary treatment of cervical cancer in collaboration with Nucletron Corporation.

Brief Description of Responsibilities:

I am currently the chief of gynecologic radiation oncology at M.D. Anderson Cancer. Our group of three subspecialists treats about 350 new gynecologic cancer patients per year with radiation. Many of these patients are treated with brachytherapy, IMRT or concurrent chemotherapy. I have personally treated several thousand patients with gynecologic cancers and have published and lectured widely on a variety of subjects concerning the role of radiation therapy in uterine, cervical, vaginal, vulvar and ovarian cancers. I have reviewed and maintain a database of more than 7,000 patients treated for cervical, vulvar or vaginal cancers at M.D. Anderson since 1960; with a median follow-up of surviving patients of more than 12 years, this valuable resource has been the basis for many studies of treatment outcomes. During the past two decades, I have also been involved in prospective and translational studies that have contributed to important changes in the management of gynecologic cancers. I have mentored many radiation oncology, radiation physics and gynecologic oncology trainees. I have served on numerous national and international committees, including QRRO as chair of the Cervix Site Committee, the NCI Gynecologic Steering Committee and the NCCN Guidelines Committee for Gynecologic Cancers, and I serve on several editorial boards. I currently contribute to our professional society as chairman of the Board of ASTRO.

Educational Preparation: Stanford University

Internship: Stanford University Hospital, 1977-1978

Residency: Stanford University Hospital, 1978-1981

Degree: M.D.

Major Area of Study: Medicine

Year Earned: 1977

Select Papers:

Katz A, Eifel PJ, Jhingran A, Levenback CF. The role of radiation therapy in preventing regional recurrences of invasive squamous cell carcinoma of the vulva. *Int J Radiat Oncol Biol Phys* 57(2):409-18, 10/2003.

Eifel PJ, Winter K, Morris M, Levenback C, Grigsby PW, Cooper J, Rotman M, Gershenson D, Mutch DG. Pelvic irradiation with concurrent chemotherapy versus pelvic and para-aortic irradiation for high-risk cervical cancer: an update of radiation therapy oncology group trial (RTOG) 90-01. *J Clin Oncol* 22(5):872-80, 3/2004.

Frank SJ, Jhingran A, Levenback C, Eifel PJ. Definitive radiation therapy for squamous cell carcinoma of the vagina. *Int J Radiat Oncol Biol Phys* 62(1):138-47, 5/2005.

Gifford KA, Horton JL, Pelloski CE, Jhingran A, Court LE, Mourtada F, Eifel PJ. A three-dimensional computed tomography-assisted Monte Carlo evaluation of ovoid shielding on the dose to the bladder and rectum in intracavitary radiotherapy for cervical cancer. *Int J Radiat Oncol Biol Phys* 63(2):615-21, 10/2005.

Pelloski CE, Palmer M, Chronowski GM, Jhingran A, Horton J, Eifel PJ. Comparison between CT-based volumetric calculations and ICRU reference-point estimates of radiation doses delivered to bladder and rectum during intracavitary radiotherapy for cervical cancer. *Int J Radiat Oncol Biol Phys* 62(1):131-7, 5/2005.

Erickson B, Eifel P, Moughan J, Rownd J, Iarocci T, Owen J. Patterns of brachytherapy practice for patients with carcinoma of the cervix (1996-1999): A patterns of care study. *Int J Radiat Oncol Biol Phys* 63(4):1083-92, 2005.

Eifel PJ, Jhingran A, Brown J, Levenback C, Thames H. Time course and outcome of central recurrence after radiation therapy for carcinoma of the cervix. *Int J Gynecol Cancer* 16(3):1106-11, May-Jun, 5/2006.

Beadle BM, Jhingran A, Salehpour M, Sam M, Iyer RB, Eifel PJ. Cervix regression and motion during the course of external beam chemoradiation for cervical cancer. *Int J Radiat Oncol Biol Phys* 73(1). e-Pub 5/29/2008.

Klopp AH, Jhingran A, Ramdas L, Story MD, Broadus RR, Lu KH, Eifel PJ, Buchholz TA. Gene Expression Changes in Cervical Squamous Cell Carcinoma after Initiation of Chemoradiation and Correlation with Clinical Outcome. *Int J Radiat Oncol Biol Phys* 71(1):226-36, 5/1/2008. *Radiat Oncol Biol Phys* 70(1):111-117, 1/2008. e-Pub 10/2007.

Torres MA, Jhingran A, Thames HD, Levenback CF, Bodurka DC, Ramondetta LM, Eifel PJ. Comparison of treatment tolerance and outcomes in patients with cervical cancer treated with concurrent chemoradiotherapy in a prospective randomized trial or with standard treatment. *Int J Radiat Oncol Biol Phys* 70(1):118-125, 1/2008. e-Pub 9/2007.