

Reshma Jagsi, MD, DPhil  
1500 East Medical Center Dr.  
UHB2C490/SPC 5010  
Ann Arbor, MI 48104  
(734) 936-7810  
rjagsi@med.umich.edu

## **Education and Training**

- 9/91 - 6/95 Harvard-Radcliffe Colleges, Cambridge, MA  
A.B. in Government, *summa cum laude*, first in class
- 9/95 – 6/01 Harvard Medical School, Boston, MA  
M.D.
- 9/97 – 6/02 Oxford University, Oxford, England  
British Marshall Scholar  
M.Sc. in Comparative Social Policy, with distinction, first in class  
D.Phil. in Social Studies
- 6/01 – 6/02 University of Hawaii Internal Medicine Residency Program  
Preliminary Medical Intern
- 6/02 – 6/06 Massachusetts General Hospital/Harvard Radiation Oncology Program  
Resident in Radiation Oncology
- 9/05 – 5/06 Harvard Center for Ethics  
Graduate Fellow

## **Certification and Licensure**

State of Michigan Medical License  
Commonwealth of Massachusetts Medical License  
American Board of Radiology: Board Certified

## **Academic, Administrative, and Clinical Appointments**

- 5/05 – 5/06 Harvard Radiation Oncology Program: Chief Resident (1 of 2 residents chosen to lead the 28-member combined Harvard Radiation Oncology Program in 2005-06)
- 7/06 – University of Michigan: Assistant Professor of Radiation Oncology

## Research Interests

Breast Cancer: Previous projects have sought to define the role of radiation therapy in node-negative patients after mastectomy, the potential cardiovascular toxicities associated with radiation therapy in the adjuvant setting, the outcomes and toxicities of accelerated partial breast irradiation, and international practice patterns of radiation treatment for breast cancer. Current projects explore the role of intensity modulated radiation therapy in breast cancer treatment and patient decision processes regarding post-mastectomy radiation therapy.

Medical Ethics: Projects focus upon issues of resource allocation, conflicts of interest, and respect for patient autonomy.

Women in Academic Medicine: Projects seek to examine the roles played by women in academic medicine, to quantify their participation in the senior echelons of academic medicine, to explore barriers to their participation, and to assess novel interventions to address these barriers.

## Grants

10/06-10/07

The Breast Cancer Research Foundation

PI: Pierce, LJ

Outcomes following breast-conserving surgery and radiotherapy vs. mastectomy in women with invasive breast cancer and who are BRCA 1/2 carriers.

Total Cost: \$207,583

06/06-06/07

American Medical Association Women Physicians' Caucus

PI: Jagsi, R

Women in Academic Medicine.

Total Cost: \$10,000

01/08-01/09

University of Michigan Institute for Research on Women and Gender

PI: Jagsi, R

Sex of Researchers and Participants in Cancer Research

Total Cost: \$9640

## Honors and Awards

1991-1995 John Harvard Scholarship

1991-1995 Elizabeth Cary Agassiz Scholarship

1991-2001 Harvard University National Scholarship

1994 J.W. Saxe National Prize for Public Service

1994 Harvard College Bonaparte Prize in Government

1994 Harvard College Detur Prize

1994 Phi Beta Kappa, Junior Year Inductee, Class Marshal

1994 Glamour Magazine's Top 10 College Women

1994 *U.S.A Today* Academic First Team

- 1995 Radcliffe College Captain Jonathan Fay Prize (highest overall honor awarded to one female graduate each year, for showing "greatest promise in conduct, character, and scholarship")
- 1995 Harvard College Sophia Freund Prize (awarded to the *summa cum laude* graduate ranked first in class)
- 1995 Radcliffe College Isobel Briggs Fellowship
- 1996 Rotary Scholarship
- 1997 Girl Scout Woman of Distinction Award
- 1997 Wellesley College M.A. Cartland-Shackford Fellowship
- 1997-2002 British Marshall Scholarship
- 1999 American Medical Women's Association Wilhelm-Frankowski Scholarship
- 1999-2001 Leopold Schepp Foundation Scholarship
- 1999-2001 Daughters of the American Revolution Scholarship
- 2004 AMA Foundation Leadership Award
- 2005 American Association of Women Radiologists Eleanor Montague Distinguished Resident Award

### **Memberships in Professional Societies**

- 2002- American Society of Therapeutic Radiology and Oncology (Chair, Association of Residents in Radiation Oncology 2004-05; Education Officer, Association of Residents in Radiation Oncology 2003-04; ASTRO Healthcare Economics Committee Member, 2004-05)
- 2002- American Association of Women Radiologists (Radiation Oncology Committee, 2008-present)
- 2002- American Society of Clinical Oncology
- 2002- American Medical Association (Young Physicians' Section Delegate 2007-present; former Resident and Fellows' Section Delegate 2003-05)
- 2007- Michigan State Medical Society

### **Editorial Positions, Boards, and Peer-Review Service**

#### Peer Review Service:

*New England Journal of Medicine*  
*JAMA (Journal of the American Medical Association)*  
*BMJ (British Medical Journal)*  
*Archives of Internal Medicine*  
*Annals of Surgery*  
*International Journal of Radiation Oncology, Biology, Physics*  
*BMC Medical Education*  
*Journal of Women's Health*  
*Breast Cancer Research and Treatment*  
*Annals of Surgical Oncology*

### **Teaching**

- 1991-95 Harvard Bureau of Study Counsel: Peer Tutor
- 1994 Radcliffe Summer Program in Science: Teaching Fellow

- 1996 Harvard University: Teaching Fellow, Law, Science, & Philosophy (Professors Alan Dershowitz, Stephen Jay Gould, and Robert Nozick).
- 1996-97 Harvard University: Resident Tutor
- 2002-06 Harvard Medical School: Senior Fellow, Holmes Society
- 2005-06 Harvard Radiation Oncology Program: Chief Resident
- 2007- University of Michigan: Assistant Professor  
 regular teaching activities include supervision of University of Michigan Medical School students on radiation oncology rotation and in research projects, supervision of University of Michigan radiation oncology residents on clinical rotations, participation in radiation oncology department's morning conference series, journal clubs, faculty seminars, and radiation therapy program clinical lecture series;  
 special teaching activities include delivering guest lecture as part of University of Michigan Law School seminar regarding conflicts of interest and the physician-patient relationship in 2007 and co-teaching Law School seminar on law, medicine, and ethics in 2008

### **Committee, Organizational, and Volunteer Service**

- 1991-95 Phillips Brooks House (nation's oldest & largest student-run community service association)—Cabinet Coordinator, Board of Directors. Led meetings of directors of 75 service programs; organized recruiting, training, fundraising, budgeting. Legal Aid Program Director.
- 1993-96 Boston Public Schools: Volunteer Teacher (civics, preventive health)
- 1994 Health Care for All: Intern. Researched problems reported on “Health Helpline” for the uninsured; compiled report for use in policy analysis and advocacy.
- 1995 The White House: Intern. Researched proposals for market-based reforms of health care for Gene Sperling, then Deputy National Economic Adviser and the highest-level Presidential adviser focusing on health policy at the time; managed busy West Wing office; offered staff position.
- 1996 Office of Representative Chet Edwards, Member of U.S. Congress: Intern. Responsible for all Medicare, Medicaid, and Social Security casework.
- 1999 Office of Dr. Evan Harris, Member of British Parliament: Intern. Performed constituent service and policy research (regulations of medical training within the NHS) for physician-legislator.
- 2002-06 MGH Committee on Women in Academic Medicine, Elected Resident Representative
- 2002-04 MGH Executive Committee on Teaching and Education, Elected Resident Representative
- 2003-05 Association of Residents in Radiation Oncology (ARRO): Chair, 2004-05 (elected leader of 520-member national residents' association). Education Officer, 2003-04.
- 2003-05 Delegate, American Medical Association Resident and Fellows Section
- 2007- Delegate, American Medical Association Young Physicians Section
- 2007- UM Department of Radiation Oncology Lean Team IV Member
- 2007- UM Department of Radiation Oncology Graduate Medical Education Committee Member
- 2007- UM Department of Radiation Oncology Philanthropy/Development Committee Member

### **Visiting Professorships, Seminars, and Extramural Invited Presentations**

- 05/02 Oxford University, Department of Social Policy: Invited Speaker, Regulations of Junior Doctors' Training in the U.S. and U.K.
- 11/06 Memorial Sloan-Kettering Cancer Center: Invited Speaker, Women in Academic Medicine

05/07 Emerson Hospital, Grand Rounds: Invited Speaker, Women in Academic Medicine  
09/08 ASCO Breast Cancer Symposium: Invited Speaker, Indications for Post-mastectomy  
Radiotherapy

## Bibliography

### Peer-reviewed publications

- 1 **Jagsi R**, DeLaney TF, Donelan K, Tarbell N. Real-Time Rationing of Scarce Resources: The NPTC Experience. *Journal of Clinical Oncology*, 2004;22(11):2246-50.
- 2 **Jagsi R**, Lehmann LS. The Ethics of Medical Education. *British Medical Journal*, 2004;329(7461):332-4.
- 3 **Jagsi R**, Surender RM. Regulation of Junior Doctors' Work Hours: An Analysis of British and American Doctors' Experiences and Attitudes. *Social Science and Medicine*, 2004;58(11):2181-91.
- 4 **Jagsi R**, Chronowski GM, Buck DA, Kang S, Palermo J. Special Report: Results of the 2000 - 2002 Association of Residents in Radiation Oncology (ARRO) Surveys. *International Journal of Radiation Oncology, Biology, Physics*, 2004;59(1):313-8.
- 5 **Jagsi R**, Buck DA, Singh A, et al. Results of the 2003 Association of Residents in Radiation Oncology (ARRO) Surveys of Residents and Chief Residents in the United States. *International Journal of Radiation Oncology, Biology, Physics*, 2005;61(3):642-8.
- 6 **Jagsi R**, Shapiro J, Weinstein D. Perceived Impact of Resident Work Hour Limitations on Medical Student Clerkships: A Survey Study. *Academic Medicine*, 2005; 80(8): 725-7.
- 7 **Jagsi R**, Powell SN, Abi Raad R, Goldberg SI, Michaelson J, Taghian AG. Loco-Regional Recurrence Rates and Prognostic Factors for Failure in Node-Negative Patients Treated with Mastectomy Alone: Implications for Postmastectomy Radiation. *International Journal of Radiation Oncology, Biology, Physics*, 2005; 62(4): 1035-9.
- 8 Ceilley E, **Jagsi R**, Goldberg SI, Grignon L, Kachnic L, Powell SN, Taghian AG. Radiotherapy for Invasive Breast Cancer in North America and Europe: Results of a Survey. *International Journal of Radiation Oncology, Biology, Physics*, 2005;61(2):365-73.
- 9 Ceilley E, **Jagsi R**, Goldberg SI, Grignon L, Kachnic L, Powell SN, Taghian AG. The Management of Ductal Carcinoma In-Situ in North America and Europe: Results of a Survey. *Cancer*, 2004;101(9):1958-67.
- 10 Taghian AG, **Jagsi R**, Ceilley E, Goldberg SI, Powell SN. Results of a Survey Regarding Irradiation of the Internal Mammary Chain in Patients with Breast Cancer: Practice is Culture-Driven Rather Than Evidence-Based. *International Journal of Radiation Oncology, Biology, Physics*, 2004;60(3):706-14.
- 11 Taghian AG, Mohiuddin M, **Jagsi R**, Goldberg SI, Ceilley E, Powell SN. Current Perceptions Regarding Surgical Margin Status After Breast Conserving Therapy: Results of a Survey. *Annals of Surgery*, 2005; 241(4): 629-39.
- 12 **Jagsi R**, Goldberg SI, Taghian AG. Intra-European differences in the radiotherapeutic management of breast cancer: a survey study. *Clinical Oncology*, 2006;18(5):369-75.
- 13 Tracy E, **Jagsi R**, Starr R, Tarbell NJ. Outcomes of a Pilot Faculty Mentoring Program. *American Journal of Obstetrics and Gynecology*, 2004;191(6):1846-50.
- 14 **Jagsi R**, Kitch BT, Weinstein D, Campbell E, Hutter M, Weissman JS. Residents Report on Adverse Events and Their Causes. *Archives of Internal Medicine*, 2005;165(22):2607-13.
- 15 **Jagsi R**, Griffith K, Koelling T, Roberts R, Pierce LJ. Stroke Rates and Risk Factors in Patients Treated with Radiation for Early Stage Breast Cancer. *Journal of Clinical Oncology*, 2006; 24(18):2779-85.

- 16 **Jagsi R**, Guancial E, Cooper C, Chang Y, Henault L, Starr R, Tarbell N, Hylek E. The "gender gap" in authorship of academic medical literature--a 35-year perspective. *New England Journal of Medicine*, 2006;355(3):281-7.
- 17 Patel S, **Jagsi R**, Wilson J, Frank S, Thakkar VV, Hansen EK. Results of the 2004 Association of Residents in Radiation Oncology (ARRO) Survey. *International Journal of Radiation Oncology, Biology, Physics*, 2006; 66(4):1199-203.
- 18 **Jagsi R**, Shapiro J, Weissman JS, Dorer DJ, Weinstein D. The Educational Impact of ACGME Limits on Resident and Fellow Duty Hours: A Pre-Post Survey Study. *Academic Medicine*, 2006;81(12):1059-68.
- 19 **Jagsi R**, Butterton JR, Starr R, Tarbell NJ. A Targeted Intervention for the Career Development of Women in Academic Medicine. *Archives of Internal Medicine*, 2007; 167(4):343-5.
- 20 **Jagsi R**. Conflicts of Interest and the Physician-Patient Relationship in the Era of Direct-to-Patient Advertising. *Journal of Clinical Oncology*, 2007; 25(7):902-5.
- 21 **Jagsi R**, Griffith K, Koelling T, Roberts R, Pierce LJ. Rates of Myocardial Infarction, Coronary Artery Disease, and Risk Factors in Patients Treated with Radiation for Early Stage Breast Cancer. *Cancer*, 2007; 109(4):650-7.
- 22 **Jagsi R**, Moran J, Marsh R, Kessler M, Pierce LJ. Cardiac Motion and Reproducibility During the Breathing Cycle. *International Journal of Radiation Oncology, Biology, Physics*, 2007;68(1):253-8.
- 23 **Jagsi R**, Tarbell NJ, Henault L, Chang Y, Hylek E. The Representation of Women on the Editorial Boards of Major Medical Journals: A 35 Year Perspective. *Archives of Internal Medicine*, 2008;168(5):544-8
- 24 **Jagsi R**, Weinstein D, Shapiro J, Kitch B, Dorer D, Weissman J. The Accreditation Council for Graduate Medical Education's Limits on Residents' Work Hours and Patient Safety: A Study of Resident Experiences and Perceptions Before and After Hours Reductions. *Archives of Internal Medicine*, 2008;168(5):493-500.
- 25 Sabel M, Rogers K, Griffith K, **Jagsi R**, Kler CG, Diehl KA, Breslin TM, Cimmino VM, Chang AE, Newman LA. Residual Disease after Re-excision Lumpectomy for Close Margins. Under Review.
- 26 **Jagsi R**, Motomura A, Sudha Amarnath, BS,<sup>2</sup> Aleksandra Jankovic, MS,<sup>3</sup> Nathan Sheets, BS,<sup>2</sup> Peter A. Ubel, MD. Under-Representation of Women in Clinical Research. Under Review.
- 27 **Jagsi R**, Motomura A, Griffith K, Ubel PA. Differential Attainment of National Institutes of Health R01 Grants by Male and Female K08 and K23 Award Recipients: Insights into the Nature of the Pipeline Problem in Academic Medicine. Under Review.
- 28 **Jagsi R**, Ben-David M, Moran J, Marsh R, Griffith K, Hayman J, Pierce LJ. Unacceptable Cosmesis in a Protocol Investigating Intensity Modulated Radiation Therapy with Active Breathing Control for Accelerated Partial Breast Irradiation. Under Review.

#### Non-peer-reviewed publications

#### Review Articles

- 1 Lee MC, **Jagsi R**. Postmastectomy Radiation Therapy: Indications and Controversies. *Surgical Clinics of North America*, 2007; 87(2):511-26.

#### Book Chapters

- 2 **Jagsi R**, Pierce LJ. Novel Techniques for the Radiation Treatment of Breast Cancer. In *Breast Cancer*, D. Winchester and L. Norton, eds. 2005.
- 3 **Jagsi R**, Pierce LJ. Postmastectomy Radiation Therapy. In *Breast Surgery: Office Management and Surgical Technique*, C.E.H. Scott-Conner and F.M. Dirbas, eds. 2008.
- 4 **Jagsi R**, Tarbell NJ. Women as Physician-Scientists. In *The Physician-Scientist*, A. Schafer, ed. Cornell University Press.

## Editorials and Commentaries

- 5 **Jagsi R**, Tarbell NJ. Women in Radiation Oncology: Time to Break Through the Glass Ceiling. *Journal of the American College of Radiology*, 2006;3(12):901-3.
- 6 **Jagsi R**, Pierce LJ. Accelerated Partial Breast Irradiation: A Promising Technique Under Investigation. *Oncology*, 2007, 21(4): 461-4
- 7 **Jagsi R**, Tarbell NJ, Weinstein D. Becoming a doctor, starting a family: leaves of absence from graduate medical education. *New England Journal of Medicine*, 2007;357(19):1889-91.
- 8 **Jagsi R**, Taghian AG. Comment on the role of postoperative radiotherapy in node negative breast cancer patients with pT3-T4 disease. *Breast Diseases, a Year Book Quarterly*, 19(1): 75.
- 9 **Jagsi R**. How deep the bias? *Journal of the American Medical Association*, 2008;299(3): 259-60.

## Abstracts

- 1 Jagsi R, Abrahamse P, Katz SJ. Post-Mastectomy Radiation Therapy: Guideline Compliance and Correlates of Utilization. Submitted to the ASCO Breast Cancer Symposium, September 2008.
- 2 Feng MU, Moran JM, Chan JL, Freedman L, Hayman JA, Jagsi R, Jolly S, Soriano JA, Pierce LJ. Development and Validation of a Heart Atlas to Study Cardiac Dysfunction after Radiation for Breast Cancer. Submitted to the ASCO Breast Cancer Symposium, September 2008.
- 3 Jagsi R, Ben-David M, Moran J, Marsh R, Griffith K, Hayman J, Pierce LJ. Adverse Cosmesis in a Protocol Investigating IMRT with Active Breathing Control for Accelerated Partial Breast Irradiation (APBI). Poster Discussion at the American Society for Therapeutic Radiology and Oncology Annual Meeting, September 2008.
- 4 Alm El-Din M, Bellon JR, Strom EA, Bourgier C, Jagsi R, Niemierko A, Marsiglia H, Pierce LJ, Buchholz TA, Taghian AG. Radiation Treatments May Contribute to the Development of Cardiac Dysfunction in Breast Cancer Patients Treated with Chemotherapy and Trastuzumab. Oral presentation at the American Society for Therapeutic Radiology and Oncology Annual Meeting, September 2008.
- 5 Jagsi R, Motomura A, Sudha Amarnath, BS,<sup>2</sup> Aleksandra Jankovic, MS,<sup>3</sup> Nathan Sheets, BS,<sup>2</sup> Peter A. Ubel, MD. Association Between Researcher Gender and Sex of Participants in Clinical Research. Poster presentation at the American Society of Clinical Oncology Annual Meeting, June 2008.
- 6 Jagsi R, Ben-David M, Moran J, Marsh R, Griffith K, Hayman J, Pierce LJ. Adverse Cosmesis in a Protocol Investigating IMRT with Active Breathing Control for Accelerated Partial Breast Irradiation (APBI). Oral presentation at the American Radium Society Annual Meeting, May 2008.
- 7 Jagsi R, Griffith K, Koelling T, Roberts R, Pierce LJ. Rates of Myocardial Infarction, Coronary Artery Disease, and Risk Factors in Patients Treated with Radiation for Early Stage Breast Cancer. Oral presentation at the American Society for Therapeutic Radiology and Oncology Annual Meeting, November 2006.
- 8 Cook N, Parkinson CA, Jagsi R, Patel S, Hughes-Davies L. The International Core Literature Consensus (ICLC): A Tool for Resident Training. Abstract presentation at the American Society of Clinical Oncology Annual Meeting, June 2006.
- 9 Jagsi R, Griffith K, Koelling T, Roberts R, Pierce LJ. Stroke Rates and Risk Factors in Patients Treated with Radiation for Early Stage Breast Cancer. Poster presentation at the San Antonio Breast Cancer Conference, December 2005.
- 10 Jagsi R, Moran J, Marsh R, Kessler M, Pierce LJ. Cardiac Motion and Reproducibility During the Breathing Cycle. Oral presentation at the American Society for Therapeutic Radiology and Oncology Annual Meeting, October 2005.
- 11 Jagsi R, Shapiro J, Weissman JS, Dorer DJ, Weinstein D. Educational Impact of the ACGME Limits on Resident Work Hours. Poster presentation at the American Association of Medical Colleges Annual Meeting, November 2005.

- 12 Jagsi R, Kitch BT, Weinstein D, Campbell E, Hutter M, Weissman JS. Residents Report on Adverse Events and Their Causes. Poster presentation at the AcademyHealth Annual Meeting, June 2005.
- 13 Jagsi R, Guancial E, Cooper C, Chang Y, Henault L, Starr R, Tarbell N, Hylek E. Representation of Female Physician-Investigators in the First and Senior Author Position of Published Original Research: A 35-Year Perspective. Oral presentation at Society of General Internal Medicine Annual Meeting, May 2005.
- 14 Jagsi R, Ceilley E, Goldberg SI, Powell SN, Taghian AG. Results of a Survey Regarding Irradiation of the Internal Mammary Chain in Patients with Breast Cancer: Practice is Culture-Driven Rather Than Evidence-Based. Poster Presentations at the American Society for Therapeutic Radiology and Oncology Annual Meeting, October 2003, and the Lynn Sage Breast Cancer Symposium, October 2004.
- 15 Jagsi R, Powell SN, Abi Raad R, Goldberg SI, Michaelson J, Taghian AG. Loco-Regional Recurrence Rates and Prognostic Factors for Failure in Node-Negative Patients Treated with Mastectomy Alone: Implications for Postmastectomy Radiation. Oral presentation at the American Society for Therapeutic Radiology and Oncology Annual Meeting, October 2003.