

# John H. Heinzerling, MD

---

## Certifications

### Board Certified

2005 USMLE Step I (passed)  
2007 USMLE Step II (passed)  
2008 USMLE Step III (passed)

## Phone Numbers

## Education

### Undergraduate / Bachelor of Science

Wake Forest University, Winston-Salem, NC      1998-2002  
BA in Chemistry, Minor in Spanish and Biology  
Honors: Cum Laude



### Residency

University of Texas Southwestern Medical Center,      2008-2012  
Department of Radiation Oncology  
Chief Resident, Radiation Oncology, 2011-2012

Carilion Clinic, Carilion Memorial Hospital, Roanoke, VA      2007-2008  
Transitional Year Resident (PGY 1)

### Medical School

University of Texas Southwestern Medical School, Dallas, TX      2003-2007  
MD  
Honors: Class Rank 1 out of 234, Chubb Scholarship Award winner  
for outstanding medical student, Alpha Omega Alpha

### Postgraduate & Post Doctorate Training

University of Texas MD Anderson Cancer Center, April 2011  
Department of Radiation Oncology Clinical Prostate Brachytherapy Elective, Dr. Steven J. Frank

## Work history

## Work

Southeast Radiation Oncology Group, PA, Charlotte, NC      2012-present

## Professional Associations

### Professional Society Memberships

American Society of Therapeutic Radiology and Oncology      2008-Present  
American College of Radiology  
Association of Residents in Radiation Oncology  
American Society of Clinical Oncology  
American Medical Association  
American Brachytherapy Society  
Texas Radiological Society

## Honors and Awards

1. ASTRO Annual Meeting Travel Grant Award 2009
2. RTOG Semiannual Meeting Travel Grant Award 2011
3. ASTRO State of the Art Techniques: IMRT, IGRT, SBRT Symposium Travel Grant Award 2011

## Research, Publications, & Teaching

### Publications

1. Heinzerling JH, Bland R, Mansour JC, Schwarz RE, Ramirez E, Ding C, Abdulrahman R, Boike TP, Solberg T, Timmerman RD, Meyer JJ. Dosimetric and motion analysis of margin-intensive therapy by stereotactic ablative radiotherapy for resectable pancreatic cancer. *Radiation Oncology* 2011 Oct; 6:146
2. Timmerman R, Heinzerling J, Abdulrahman R, Choy H, Meyer JL. Stereotactic body radiation therapy for thoracic cancers: recommendations for patient selection, setup, and therapy. *Front Radiat Ther Oncol* 2011 May; 43:395-411
3. Heinzerling JH, Kavanaugh B, Timmerman RD. Stereotactic ablative radiation therapy for primary lung tumors. *Cancer J*. 2011 Jan-Feb 17(1):28-32
4. Heinzerling JH, Choy H, Hughes RD, et al. Toxicity and response of pemetrexed plus carboplatin or cisplatin with concurrent chest radiation therapy for patients with locally advanced non-small cell lung cancer: a phase I trial. *Journal of Thoracic Oncology* 2010 Sep 5(9):
5. Heinzerling JH, Choy H. Concurrent chemoradiation alone for stage III NSCLC: is adjuvant chemotherapy necessary? *The American Journal of Hematology Oncology* 2009 Jul; 8(7): 335-6.
6. Heinzerling JH, Papiez, L, Chien S, Anderson J, Forster K, Zhang G, Timmerman R. Stereotactic body radiation therapy: evaluation of setup accuracy and targeting methods for a new couch integrated immobilization system. *Technology in Cancer Research and Treatment* 2008 Jun;7(3):197-206
7. Heinzerling JH, Anderson JF, Papiez L, Boike T, Chien S, Zhang, G, Abdulrahman R, Timmerman R. 4D CT scan analysis of tumor and organ motion at varying levels of abdominal compression during

stereotactic treatment of lung and liver. *International Journal of Radiation Oncology, Biology, and Physics* 2008 Apr 1;70(5):1571-8.

8. Huerta S, Heinzerling JH, Anguiano-Hernandez YM, Huerta-Yepe S, Lin J, Chen D, Bonavida B, Livingston EH. Modification of gene products involved in resistance to apoptosis in metastatic colon cancer cells: roles of Fas, Apaf-1, NFkappaB, IAPs, Smac/DIABLO, and AIF. *The Journal of Surgical Research*. 2007 Sep; 142(1): 184-94

9. Sidiqqi A, Heinzerling J, Livingston EH, Huerta S. Predictors of early mortality in veteran patients with pancreatic cancer. *The American Journal of Surgery*. 2007 Sep; 194(3): 362-6

10. Heinzerling JH, Anthony T, Livingston EH, Huerta S. Predictors of distant metastasis and mortality in patients with stage II colorectal cancer. *The American Surgeon* 2007 Mar; 73(3): 230-8.

11. Heinzerling JH, Huerta S. Bowel Perforation from bevacizumab for the treatment of metastatic colon cancer: incidence, etiology, and management. *Current Surgery* 2006; 63(5): 334-337

### **Book Chapters**

1. Heinzerling, JH, Timmerman RD. Stereotactic Ablative Radiotherapy (SABR) for Early Stage Lung Cancer. *Advances in Radiation Oncology of Lung Cancer*, 2nd edition: Springer-Verlag, in press

2. Heinzerling JH, Cho, J, Choy, H. The Role of Radiation Therapy in Metastatic Disease. In *Cancer Metastasis: Biological Mechanisms and Therapeutics*, 1st edition: Cambridge University Press, 2011.

3. Heinzerling JH, Timmerman RD. Stereotactic body radiation therapy for primary and metastatic lung tumors: UpToDate, 2010-current.

### **Presentations**

1. Heinzerling JH, Anderson JF, Papiez L, Boike T, Chien S, Zhang, G, Abdulrahman R, Timmerman R. 4D CT scan analysis of tumor and organ motion at varying levels of abdominal compression during stereotactic treatment of lung and liver. Abstract Oral Presentation: American Society for Therapeutic Radiology and Oncology Annual Meeting: November 2007

2. Heinzerling JH, Hughes RS, Govindan R, Bradley JD, Peng G, Treat J, Obasaju C, Tran T, and Choy H. Toxicity and response of pemetrexed plus carboplatin or cisplatin with concurrent chest radiation therapy for patients with locally advanced non-small-cell lung cancer. Abstract Oral Presentation: American Society for Therapeutic Radiology and Oncology Annual Meeting: November 2009

### **Abstracts**

1. Anderson JF, Boike T, Heinzerling JH, Papiez L, Pistenmaa D, Timmerman RD. Assessing the feasibility of cone-Beam CT simulation for prophylaxis of heterotopic ossification following hip surgery. *International Journal of Radiation Oncology, Biology, and Physics* 2007 Nov 1;75(3S):S28.

2. Rule W, Boike T, Cho L, Abdulrahman R, Heinzerling JH, Perkins A, Foster R, Nedzi L, Timmerman R. A phase I dose escalation study of stereotactic body radiation therapy for patients with hepatic metastases-evidence of a dose-response relationship. *International Journal of Radiation Oncology, Biology, and Physics* 2009 Nov 1;75(3S):S28.

3. Derose PM, Boike T, Heinzerling JH, Abdulrahman R, Spangler A, Choy H, Tripathy D, Garwood D. Toxicity of concurrent capecitabine and external beam irradiation in the adjuvant treatment of high risk breast cancer: a phase II trial. *International Journal of Radiation Oncology, Biology, and Physics* 2009 Nov 1;75(3S):S187.
4. Heinzerling JH, Hughes RS, Govindan R, Bradley JD, Schiller J, Peng G, Treat J, Obasaju C, Tran T, Choy H. A phase I study of pemetrexed plus carboplatin or cisplatin with concurrent chest radiation therapy for patients with locally advanced non-small cell lung cancer. *Journal of Clinical Oncology* 2009 May 20;27(15S):393s.
5. Anderson JF, Heinzerling JH, Mao W, Papiez L, Abdulrahman R, Choy H, Solberg T, Timmerman R. 4D cone beam CT to assess daily variation of respiratory motion after abdominal compression in lung SBRT. *International Journal of Radiation Oncology, Biology, and Physics* 2009 Nov 1;75(3S):S635.
6. Heinzerling JH, Ding C, Ramirez E, Chang K, Anderson JF, Edwards CM, Boike T, Rule W, Solberg T, Timmerman RD. Comparative Dose-Volume Analysis for Cyberknife and 3D Conformal Partial Breast Irradiation Treatment of Early Stage Breast Cancer. Abstract Poster Presentation: American Society for Therapeutic Radiology and Oncology Annual Meeting: November 2010
7. Rule WG, Jiang L, Boike T, Anderson J, Jain S, Heinzerling J, DeRose P, Edwards M, Tong L, Solberg T. A Dosimetric Comparison of Prostate Plans: IMRT, SmartArc, RapidArc And HybridArc. Abstract Poster Presentation: American Society for Therapeutic Radiology and Oncology Annual Meeting: November 2010
8. Jiang L, Li H, Heinzerling JH, Boike T, Solberg TD, Foster RD. Dosimetric evaluation of margin reduction and intrafraction motion for prostate SBRT. Abstract Poster Presentation: ESTRO 11th Biennial Physics Meeting: May 2011
9. Heinzerling JH, Timmerman C, Zhao H, Ramirez E, Ding C, Foster RD, Solberg T, Timmerman RD. Comparative dose-volume analysis for fractionated radiotherapy of central brain tumors in pediatric patients using Cyberknife, IMRT, and BrainLab. Abstract Poster Presentation: ESTRO 11th Biennial Physics Meeting: May 2011
10. Heinzerling JH, Jiang L, Hong DS, Li H, Foster RD, Anderson JF, Solberg TD, Boike T. Intrafraction Motion and Dosimetric Evaluation of Margin Reduction During Fractionated Rapid Arc Treatment of Prostate Cancer. Abstract Poster Presentation: 2011 Joint AAPM/COMP Meeting July 2011
11. Jiang L, Li H, Heinzerling JH, Boike T, Solberg, TD, Foster RD. Dosimetric Evaluation of PTV Margins and Intrafraction Motion for Prostate SBRT. Abstract Poster Presentation: 2011 Joint AAPM/COMP Meeting July 2011

## **Clinical Protocols**

Role: Co- Investigator

Title: Phase I study of margin-intense combination therapy for patients with potentially resectable pancreatic adenocarcinoma

Duration: 8/2008-2012

Status: Closed to accrual

Role: Co- Investigator

Title: Phase I Study of Cyberknife® Partial Breast Irradiation (PBI) for Early Stage Breast Cancer  
Duration: 7/2009-present  
Status: Open for accrual

Role: Co- Investigator

Title: Phase III Randomized Study of Standard versus Accelerated Hypofractionated Image-Guided Radiation Therapy (IGRT) in Patients with Stage II-IV Non-Small Cell Lung Cancer and Poor Performance Status

Duration: 3/2011-present

Status: Pending IRB approval

## References

Robert Timmerman, MD, Professor, Vice-Chairman  
University of Texas Southwestern Medical Center, Department of Radiation Oncology  
Moncrief Radiation Oncology Center  
5801 Forest Park Blvd, Dallas, Texas, 75390  
(214) 645-8525 · robert.timmerman@utsouthwestern.edu

Hak Choy, MD, Professor, Chairman  
University of Texas Southwestern Medical Center, Department of Radiation Oncology  
Moncrief Radiation Oncology Center  
5801 Forest Park Blvd, Dallas, Texas, 75390  
(214) 645-8525 · hak.choy@utsouthwestern.edu

David Pistenmaa, MD, Professor  
University of Texas Southwestern Medical Center, Department of Radiation Oncology  
Moncrief Radiation Oncology Center  
5801 Forest Park Blvd, Dallas, Texas, 75390  
(214) 645-8525 · david.pistenmaa@utsouthwestern.edu

Ann Spangler, Assistant Professor, Residency Program Director  
University of Texas Southwestern Medical Center, Department of Radiation Oncology  
Moncrief Radiation Oncology Center  
5801 Forest Park Blvd, Dallas, Texas, 75390  
(214) 645-8525 · ann.spangler@utsouthwestern.edu

## Personal Information

### Languages

Fluent in Spanish (written and spoken)