

# Jeffrey G. Kuremsky, MD

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## Education

### Medical School

Fall 2004 - May 2009  
George Washington University  
Washington, DC  
School of Medicine

Fall 1998 - Fall 2002  
University of North Carolina  
Chapel Hill, NC  
College of Arts and Sciences

### Residency

7/2010 – 6/2014  
Wake Forest University  
Winston Salem, NC  
Radiation Oncology Resident

6/2009 - 6/2010  
New Hanover Regional Medical Center  
Wilmington, NC  
Internal Medicine Prelim

## Work history

### Work

3/2016 – Present  
Southeast Radiation Oncology Group, P.A.  
Radiation Oncologist  
200 Queens Road, Suite 400, Charlotte, NC 28204  
(P) 704 333 7376

8/2014 – 3/2016  
Novant Health Forsyth Medical Center  
Radiation Oncologist  
3333 Silas Creek Parkway, Winston-Salem, NC 27103



## Research, Publications, & Teaching

### Research (Past)

11/2012 – 11/2013

Wake Forest University, Department of Radiation Oncology

Clinical and Economic Outcomes of Patients with Brain Metastases Based on Whether Metastases are Symptomatic or Not: An Argument for Routine Brain Screening

12/2011 – 12/2013

Wake Forest University, Department of Radiation Oncology

Hypofractionated Radiotherapy for Stage I and II Non-Small Cell Lung Cancer

7/2011 – 12/2011

Wake Forest University, Department of Radiation Oncology

The effect of histology on local control after radiosurgery for brain metastases from lung cancer

6/2008 – 6/2009

University of North Carolina, Department of

Pharmacogenomics/Oncology Genotype directed neoadjuvant chemoradiation for rectal carcinoma

7/2007 – 5/2008

University of Maryland, Department of Radiation Oncology

- Prophylactic radiation therapy for heterotopic ossification of non-hip sites

- Breast lumpectomy cavity volume changes before and after radiation therapy

Summer 2005

National Institutes of Health, Allergy and Infectious Disease

Studied the purification and efficacy of a fusion protein involving the catalytic domain of Pseudomonas Exotoxin A

Summer 2003 – Summer 2004

National Institutes of Health, Allergy and Infectious Disease

Design and implementation of multimeric anthrax protein toxins to achieve a high therapeutic index in malignancy treatment

Summer 2001

University of Pittsburgh, Department of Orthopaedic Surgery

Studied the isolation of potential stem cells from various murine organs through the preplate technique.

Summer 2000

Duquesne University, Department of Chemistry

Studied ultrasonically generated microspheres for drug delivery.

Fall 1999 – Spring 2000

University of North Carolina, Department of Orthopaedics  
Studied the effects of mechanical strain on tendon cells.

## Publications

Lucas JT Jr, Kuremsky JG, Comparison of accelerated hypofractionation and stereotactic body radiotherapy for Stage 1 and node negative Stage 2 non-small cell lung cancer (NSCLC). *Lung Cancer*, 85(1):59-65 2014

Bansal N, Mims J, Kuremsky JG, Broad phenotypic changes associated with gain of radiation resistance in head and neck squamous cell cancer. *Antioxid Redox Signal* 21(2):221-34. 2014

Kuremsky JG, Chan, MD. Tumor Histology Predicts Patterns of Failure and Survival in Patients with Brain Metastases from Lung Cancer Treated with Gamma Knife Radiosurgery. *Neurosurgery*. 73(4):641-7, 2013 Oct.

Kuremsky JG, Tepper JE, McLeod, HL. Biomarkers for response to neoadjuvant chemoradiation for rectal cancer. *International Journal of Radiation Oncology, Biology, and Physics*. 74 (3): 673-88, 2009 July.

Kilburn JM, Kuremsky JG, Blackstock AW, Munley MT, Kearns WT, Hinson WH, Lovato JF, Miller AA, Petty WJ, Urbanic JJ. Thoracic re-irradiation using stereotactic body radiotherapy (SBRT) techniques as first or second course of treatment. *Radiother Oncol* 110(3):505-510. 2014 Mar

Lester SC, Taksler GB, Kuremsky JG, Lucas JT Jr, Ayala-Peacock DN, Randolph DM 2nd, Bourland JD, Laxton AW, Tatter SB, Chan MD. Clinical and economic outcomes of patients with brain metastases based on symptoms: an argument for routine brain screening of those treated with upfront radiosurgery. *Cancer* 120 (3): 433-41. 2014 Feb

Ayala-Peacock DN, Peiffer AM, Lucas JT, Isom S, Kuremsky JG, Urbanic JJ, Bourland JD, Laxton AW, Tatter SB, Shaw EG, Chan MD. A nomogram for predicting distant brain failure in patients treated with gamma knife stereotactic radiosurgery without whole brain radiotherapy. *Neuro Oncol*. 2014, Feb

Liu S, Redeye V, Kuremsky JG, Kuhnen M, Molinolo A, Bugge TH, Leppla SH. Intermolecular complementation achieves high-specificity tumor targeting by anthrax toxin. *Nature Biotechnology*. 23 (6): 725-30, 2005 Jun.

Liu S, Milne, GT, Kuremsky JG, Fink GR, Leppla SH. Identification of the proteins required for biosynthesis diphthamide, the target of bacterial ADP-ribosylating toxins on translation elongation factor 2. *Molecular and Cellular Biology*. 24 (21): 9487-97, 2004 Nov.

## Presentations

Oral Presentation at 54th Annual Meeting of American Society for Therapeutic Radiation Oncology Meeting, October 2012

Podium presentation at Duquesne University Undergraduate Research Symposium, Summer 2000 and 2001

Podium presentation at the Duquesne University Graduate Students Association Symposium, Summer 2000

Poster Presentation at the Pittsburgh Tissue Engineering Initiative Summer Internship Poster Session, Summer 2000 and 2001

### **Abstracts**

Predictors for Survival in Patients Receiving Gamma Knife Stereotactic Radiosurgery for Breast Carcinoma to the Brain” JG Kuremsky, S Lester, JT Lucas, DM Randolph, S Tatter, MD Chan. Accepted to 54th Annual Meeting of American Society for Therapeutic Radiation Oncology Meeting, September 2013. Selected for “Digital Poster Discussion

“Hypofractionated Radiotherapy for Stage I and II Non-Small Cell Lung Cancer.” JG Kuremsky, WJ Petty, CJ Hampton, W.H. Hinson, BT Kearns, AW Blackstock, A Miller, JJ Urbanic. Accepted by the 54th Annual Meeting of American Society for Therapeutic Radiation Oncology Meeting, October 2012. Selected for Oral Presentation Ayala-Peacock DN, Peiffer AM, Lucas JT, Isom S, Kuremsky JG A nomogram for predicting distant brain failure in patients treated with gamma knife stereotactic radiosurgery without whole brain radiotherapy. *Neuro Oncol* 16(9):1283-8. 2014