



Roshan S. Prabhu, MD, MS

Business Address:

Southeast Radiation Oncology Group
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Charlotte, NC 28204
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Graduate Medical Education

Emory University School of Medicine
PGY 1, Preliminary Medicine, 2008 - 2009
PGY 2 - 5, Radiation Oncology, 2009 - 2013
Chief Resident, Radiation Oncology, 2012 - 2013

Emory University, Laney Graduate School of Arts and Sciences
Degree: Master of Science in Clinical Research (MSCR)
Dates Attended: 2011- 2013

Thesis: "The Effect of the Addition of Chemotherapy to Radiotherapy on Cognitive Function in Patients with Low Grade Glioma: Secondary Analysis of RTOG 98-02"

Medical Education

University of Florida College of Medicine
Degree: MD
Dates Attended: 2004 - 2008

Undergraduate Education
University of Florida College of Liberal Arts & Sciences
Junior Honors Medical Program
Degree: BS Interdisciplinary Studies in Biomedical Sciences, 2005
Dates Attended: 2003 - 2005

Washington University in St. Louis
School of Arts and Sciences
Dates Attended: 2001-2003

Medical Licensure

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|----------------|-------------|------------------|----------|
| North Carolina | #2013-00525 | Issued 4/2/2013 | Active |
| South Carolina | #35477 | Issued 4/26/2013 | Active |
| Georgia | #69615 | Issued 4/5/2013 | Inactive |

Board Certification

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|-----------------------------|-----------|-----------------|
| American Board of Radiology | 5/30/2014 | Board certified |
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Professional Society Memberships

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| American Medical Association | 2004 – present |
| American Society of Therapeutic Radiation Oncology | 2008 – present |
| American Society of Clinical Oncology | 2009 – present |
| American Brachytherapy Society | 2011 – present |

Honors and Awards

Residency

- RSNA Roentgen Resident/Fellow Research Award, 2013
- Chief Resident, 2012 – 2013
- 1st place, 2012 Resident Research Day
- RTOG Resident/Fellow Travel Award, Spring 2012
- ACR Annual Meeting and Chapter Leadership Conference (AMCLC) Radiation Oncology Delegate, 2012
- RTOG Brain Tumor Committee New Investigator, 2012
- NIH/Atlanta Clinical and Translational Science Institute (ACTSI) - Tuition Scholarship for MSCR program, May 2011
- RTOG/ACR Radiation Oncology Resident Training Fellowship Award Recipient, March 2011

Medical School

- Graduation with Honors in Research
- Graduation with Honors for Academic Excellence
- Election into Alpha Omega Alpha in Junior year, April 2007
- 2006 Medical Guild Scholarship Award for Academic Excellence and Professionalism
- 2006 Academic Perfection Award (4.0 cumulative GPA), May 2006
- 2005 Dept. of Psychiatry Neuroscience Award (highest neuroscience academic achievement)
- 2005 Academic Perfection Award (4.0 cumulative GPA), May 2005

Funding

NIH/Atlanta Clinical and Translational Science Institute (ACTSI) - Tuition Scholarship
08/2011 – 05/2013

Thesis: "The Effect of the Addition of Chemotherapy to Radiotherapy on Cognitive Function in Patients with Low Grade Glioma: Secondary Analysis of RTOG 98-02"

Funding: \$38,000 year 1, \$3100 year 2

Kennedy Investigator-Initiated Trial Seed Grant
NSP2244, 12/2010 – 11/2012

Trial: Phase I Study of Whole Brain Radiation Therapy with Simultaneous Boost to Gross Metastatic
Tumor Volume Using Volumetric Modulated Arc Therapy
(Clinicaltrials.gov identifier: NCT01218542)

Funding: \$50,000 over two years

Role: PI

Publications (Peer Reviewed)

1. Jegadeesh N, Kim S, **Prabhu RS**, Oprea G, Yu DS, Godette KG, Zelnak A, Mister D, Switchenko J, Torres MA. The 21-Gene Recurrence Score and Locoregional Recurrence in Breast Cancer Patients. *Ann Surg Onc*. Accepted October 1, 2014. In Press.
2. Patel KR, **Prabhu RS**, Kandula S, Oliver DE, Kim S, Hadjipanayis C, Olson JJ, Oyesiku N, Curran WJ, Khan MK, Shu HK, Crocker I. Intracranial control and radiographic changes with adjuvant radiation therapy for resected brain metastases: whole brain radiotherapy versus stereotactic radiosurgery alone. *J Neurooncol* 2014 Sep 5. [Epub ahead of print]
3. Kandula S, **Prabhu RS**, Nanda R, Switchenko JM, Cash T, Qayed M, Katzenstein H, Esiashvili N. Outcomes after Radiation Therapy to Metastatic Sites in Patients with Stage 4 Neuroblastoma. *Journal of Pediatric Hematology/Oncology*. Accepted August 13, 2014. In Press.
4. Kandula S, Saindane AM, **Prabhu RS**, Hanasoge S, Patel KR, Shu HK, Curran WJ, Crocker IR. Patterns of presentation and failure in patients with gliomatosis cerebri treated with partial-brain radiation therapy. *Cancer* 2014;120:2713-2720.
5. Hall WA, **Prabhu RS**, Crocker IR, Dhabban A, Ogunleye T, Kandula S, Jiang X, Curran WJ, Shu H-KG. Repeat Whole Brain Radiation Therapy with a Simultaneous Infield Boost: A Novel Technique for Reirradiation. *Journal of Radiotherapy* 2014;2014:8.
6. **Prabhu RS**, Hanasoge S, Magliocca KR, Hall WA, Chen SA, Higgins KA, Saba NF, El-Deiry M, Grist W, Wadsworth JT, Chen AY, Beitler JJ. Lymph node ratio influence on risk of head and neck cancer locoregional recurrence after initial surgical resection: implications for adjuvant therapy. *Head and Neck*. Accepted March 2, 2014. [Epub ahead of print].
7. Hall WA, Colbert LE, Nickleach D, Switchenko J, Liu Y, Gillespie T, Lipscomb J, Hardy C, Kooby DA, **Prabhu RS**, Kauh J, Landry JC. The influence of radiation therapy dose escalation on overall survival in unresectable pancreatic adenocarcinoma. *J Gastrointest Oncol* 2014;5:77-85.
8. **Prabhu RS**, Hanasoge S, Magliocca KR, Moeller BJ, Milas ZL, Hall WA, El-Deiry M, Wadsworth JT, Higgins KA, Beitler JJ. Extent of pathologic extracapsular extension and outcomes in patients with nonoropharyngeal head and neck cancer treated with initial surgical resection. *Cancer* 2014;120:1499-1506.
9. Press RH, **Prabhu RS**, Appin CL, Brat DJ, Shu HK, Hadjipanayis C, Olson JJ, Oyesiku NM, Curran WJ, Crocker I. Outcomes and patterns of failure for grade 2 meningioma treated with reduced-margin intensity modulated radiation therapy. *Int J Radiat Oncol Biol Phys* 2014;88:1004-1010.

10. Dulaney CR, Hall WA, Mikell JL, Mittal P, **Prabhu RS**, Kooby DA, Hanley K, Sarmiento JM, Landry JC. The influence of time interval between diagnostic image acquisition and operative date on pathologic tumor size in pancreatic adenocarcinoma: implications for local therapy. *Journal of Biomedical Graphics and Computing*. 2014;4:2.
11. **Prabhu RS**, Won M, Shaw EG, Hu C, Brachman DG, Buckner JC, Stelzer KJ, Barger GR, Brown PD, Gilbert MR, Mehta MP. Effect of the Addition of Chemotherapy to Radiotherapy on Cognitive Function in Patients With Low-Grade Glioma: Secondary Analysis of RTOG 98-02. *J Clin Oncol* 2014;32:535-541.
12. **Prabhu RS**, Magliocca KR, Hanasoge S, Aiken AH, Hudgins PA, Hall WA, Chen SA, Eaton BR, Higgins KA, Saba NF, Beitler JJ. Accuracy of Computed Tomography for Predicting Pathologic Nodal Extracapsular Extension in Patients With Head-and-Neck Cancer Undergoing Initial Surgical Resection. *International Journal of Radiation Oncology*Biography*Physics* 2014;88:122-129.
13. Marcus DM, Switchenko JM, **Prabhu R**, O'Regan R, Zelnak A, Fasola C, Mister D, Torres MA. Neoadjuvant Hormonal Therapy is Associated with Comparable Outcomes to Neoadjuvant Chemotherapy in Post-Menopausal Women with Estrogen Receptor-Positive Breast Cancer. *Front Oncol* 2013;3:317.
14. Eaton BR, Kim S, Marcus DM, **Prabhu R**, Chen Z, Ramalingam SS, Curran WJ, Jr., Higgins KA. Effect of prophylactic cranial irradiation on survival in elderly patients with limited-stage small cell lung cancer. *Cancer* 2013;119:3753-3760.
15. Eaton BR, Gebhardt B, **Prabhu R**, Shu HK, Curran WJ, Jr., Crocker I. Hypofractionated radiosurgery for intact or resected brain metastases: defining the optimal dose and fractionation. *Radiat Oncol* 2013;8:135.
16. Hall WA, Nickleach DC, Master VA, **Prabhu RS**, Rossi PJ, Godette K, Cooper S, Jani AB. The association between C-reactive protein (CRP) level and biochemical failure-free survival in patients after radiation therapy for nonmetastatic adenocarcinoma of the prostate. *Cancer* 2013;119:3272-3279.
17. **Prabhu RS**, Dhabaan A, Hall WA, Ogunleye T, Crocker I, Curran WJ, Shu HK. Clinical outcomes for a novel 6 degrees of freedom image guided localization method for frameless radiosurgery for intracranial brain metastases. *J Neurooncol* 2013;113:93-99.
18. Hall WA, Colbert LE, Liu Y, Gillespie T, Lipscomb J, Hardy C, Kooby DA, **Prabhu RS**, Kauh J, Landry JC. The influence of adjuvant radiotherapy dose on overall survival in patients with resected pancreatic adenocarcinoma. *Cancer* 2013;119:2350-2357.
19. Marcus DM, Marcus RP, **Prabhu RS**, Owonikoko TK, Lawson DH, Switchenko J, Beitler JJ. Rising incidence of mucosal melanoma of the head and neck in the United States. *J Skin Cancer* 2012;2012:231693.
20. Hall WA, Mikell JL, Mittal P, Colbert L, **Prabhu RS**, Kooby DA, Nickleach D, Hanley K, Sarmiento JM, Ali AN, Landry JC. Tumor size on abdominal MRI versus pathologic specimen in resected pancreatic adenocarcinoma: implications for radiation treatment planning. *Int J Radiat Oncol Biol Phys* 2013;86:102-107.

21. Esiashvili N, **Prabhu R**, Kahn S, Paulino A. Current strategies and challenges in treatment of childhood rhabdomyosarcoma. *Journal of Radiation Oncology* 2013;2:159-168.
22. Landry JC, Feng Y, Cohen SJ, Staley CA, 3rd, Whittington R, Sigurdson ER, Nimeiri H, Verma U, **Prabhu RS**, Benson AB. Phase 2 study of preoperative radiation with concurrent capecitabine, oxaliplatin, and bevacizumab followed by surgery and postoperative 5-fluorouracil, leucovorin, oxaliplatin (FOLFOX), and bevacizumab in patients with locally advanced rectal cancer: ECOG 3204. *Cancer* 2013;119:1521-1527.
23. **Prabhu RS**, Kandula S, Liebman L, Wojno TH, Hayek B, Hall WA, Shu HK, Crocker I. Association of clinical response and long-term outcome among patients with biopsied orbital pseudotumor receiving modern radiation therapy. *Int J Radiat Oncol Biol Phys* 2013;85:643-649.
24. Hall WA, Fox TH, Jiang X, **Prabhu RS**, Rossi PJ, Godette K, Jani AB. Treatment efficiency of volumetric modulated arc therapy in comparison with intensity-modulated radiotherapy in the treatment of prostate cancer. *J Am Coll Radiol* 2013;10:128-134.
25. **Prabhu RS**, Liebman L, Wojno T, Hayek B, Hall WA, Crocker I. Clinical outcomes of radiotherapy as initial local therapy for Graves' ophthalmopathy and predictors of the need for post-radiotherapy decompressive surgery. *Radiat Oncol* 2012;7:95.
26. Hall WA, Ali AN, Gullett N, Crocker I, Landry JC, Shu HK, **Prabhu R**, Curran W. Comparing central nervous system (CNS) and extra-CNS hemangiopericytomas in the Surveillance, Epidemiology, and End Results program: analysis of 655 patients and review of current literature. *Cancer* 2012;118:5331-5338.
27. **Prabhu R**, Shu H-K, Hadjipanayis C, Dhabaan A, Hall W, Raore B, Olson J, Curran W, Oyesiku N, Crocker I. Current Dosing Paradigm for Stereotactic Radiosurgery Alone After Surgical Resection of Brain Metastases Needs to Be Optimized for Improved Local Control. *Int J Radiat Oncol Biol Phys* 2012;83:e61-e66.
28. **Prabhu R**, Godette K, Carlson G, Losken A, Gabram S, Fasola C, O'Regan R, Zelnak A, Torres M. The Impact of Skin-Sparing Mastectomy With Immediate Reconstruction in Patients With Stage III Breast Cancer Treated With Neoadjuvant Chemotherapy and Postmastectomy Radiation. *Int J Radiat Oncol Biol Phys* 2012;82:e587-593.
29. Raore B, Schniederjan M, **Prabhu R**, Brat DJ, Shu HK, Olson JJ. Metastasis Infiltration: An Investigation of the Postoperative Brain-Tumor Interface. *Int J Radiat Oncol Biol Phys*. 2011 Nov 15;81(4):1075-80.
30. **Prabhu R**, Hinerman RW, Indelicato DJ, Morris CG, Werning JW, Vaysberg M, Amdur RJ, Kirwan J, Mendenhall WM. Squamous cell carcinoma of the external auditory canal: Long-term clinical outcomes using surgery and external-beam radiotherapy. *Am J Clin Oncol*. 2009 Aug;32(4):401-4.
31. Spotnitz WD, **Prabhu R**. Fibrin sealant tissue adhesive – review and update. *J Long Term Eff Med Implants*.15: 245-270, 2005.

Correspondence

1. **Prabhu RS**, Beitler JJ. In Reply to Branstetter et al. *International journal of radiation oncology, biology, physics* 2014;89:435-436.
2. **Prabhu RS**, Crocker I, Shu HK. In Regards to Roberge et al, "Radiosurgery to the Postoperative Surgical Cavity: Who Needs Evidence?" (*Int J Radiat Oncol Biol Phys* 2012;83:486-493). *Int J Radiat Oncol Biol Phys* 2012;84: 569.
3. **Prabhu RS**, Kandula S, Crocker I. In Reply to Marks. *Int J Radiat Oncol Biol Phys* 2013;86:808-809.

Book Chapters

1. Hall WA, **Prabhu RS**, Landry JC. The Role of Radiation Therapy in the Management of Non-Metastatic Rectal Cancer: Early and Locally Advanced Disease. *Cancers of the Colon and Rectum: A Multidisciplinary Approach to Diagnosis and Management*. Editors: Al Benson, Bapsi Chakravarthy, Stan Hamilton, Elin Sigurdson. Published 11/1/2013.
2. Spotnitz WD, **Prabhu R**, Welker R, Burks S. (2005) Clinical Uses of Fibrin Sealant. In Mintz (Ed.), *Tranfusion Therapy: Clinical Principles and Practice*, 2nd Ed (pp. 437-477). Bethesda, MD: AABB Press
3. Spotnitz WD, Burks S, **Prabhu R**. (2005). Fibrin Based Adhesives and Hemostatic Agents. Quinn (Ed.), *Tissue Adhesives in Clinical Medicine*, 2nd Edition (pp. 77 - 112). Hamilton, ON: BC Decker

Selected Abstracts (Peer Reviewed)

1. Lim T, **Prabhu RS**, Switchenko JM, Mister D, Torres MA. Skin Sparing Mastectomy and Immediate Reconstruction in Locally Advanced Breast Cancer Patients Treated With Neoadjuvant Chemotherapy and Postmastectomy Radiation Therapy: Long-Term Oncologic and Patient-Reported Quality of Life Outcomes. *International Journal of Radiation Oncology • Biology • Physics*;90:S171.
2. Eaton BR, Patel K, **Prabhu RS**, Kandula S, Curran WJ, Shu H, Crocker I. Single Fraction Radiosurgery Versus Hypofractionated Radiosurgery for the Treatment of Resected Large Brain Metastases: A Comparison of Complications and Local Tumor Control. *International Journal of Radiation Oncology • Biology • Physics*;90:S324-S325.
3. Press RH, **Prabhu RS**, Nickleach D, Liu Y, Shu H, Curran WJ, Crocker IR. Clinical Predictors of Distant Brain Failure and Early Salvage Whole Brain Radiation Therapy After LINAC-Based Stereotactic Radiosurgery for Brain Metastases. *International Journal of Radiation Oncology • Biology • Physics*;90:S330-S331.
4. Heinzerling JH, McCammon RJ, **Prabhu RS**, Moeller BJ, Burri SH, Sharp HJ, McHaffie DR, Thakkar VV, Lankford SP, Butler JM, Crimaldi AJ, Haake MR, McCall BT, Mileham KF, Carrizosa DR, Haggstrom DE, Reames MK, Frenette GP, Kim ES, Fraser RW. Stereotactic Ablative Body Radiosurgery (SABR) in Early-Stage Lung Cancer: Can Results of Advanced Cancer Care in an Innovative De-Centralized Cancer Institute Replicate Favorable Clinical Trial Results? *International Journal of Radiation Oncology • Biology • Physics*;90:S613-S614.
5. **Prabhu RS**, Hanasoge S, Magliocca KR, Hudgins PA, Higgins KA, Chen AY, Grist WJ, Wadsworth JT, Saba NF, Beitler JJ. Association of Preoperative Radiographic Nodal Status in Addition to Traditional

Pathologic Factors With Outcomes in Patients With Laryngeal or Oral Cavity Cancer Managed With Initial Surgery. *International journal of radiation oncology, biology, physics* 2013;87:S429.

6. Patel K, **Prabhu R**, Hadjipanayis C, Olson J, Oyesiku N, Curran W, Shu H, Crocker I. Intracranial Control for Adjuvant Whole Brain Radiation Therapy Versus Stereotactic Radiosurgery Alone for Resected Brain Metastases. *International journal of radiation oncology, biology, physics* 2013;87:S565.
7. Marcus DM, **Prabhu R**, O'Regan R, Zelnak A, Fasola C, Mister D, Torres M. Breast Conservation Rates and Outcomes in Postmenopausal Women With Estrogen Receptor-positive Breast Cancer Treated With Neoadjuvant Hormonal Therapy or Chemotherapy. *International journal of radiation oncology, biology, physics* 2012;84:S229-S230.
8. Hanasoge S, **Prabhu RS**, Magliocca KR, Hudgins PA, Aiken A, Chen AY, Grist WJ, Wadsworth J, Higgins KA, Beitler JJ. Predictive Accuracy of CT Imaging for Nodal Extracapsular Extension in Patients With Laryngeal or Oral Cavity Cancer Managed With Initial Surgery. *International journal of radiation oncology, biology, physics* 2013;87:S191-S192.
9. Kandula S, Saindane A, **Prabhu RS**, Shu H, Curran WJ, Hanasoge S, Crocker I. Patterns of Presentation and Failure in Patients With Gliomatosis Cerebri Treated With Partial Brain Radiation Therapy. *International journal of radiation oncology, biology, physics* 2013;87:S252.
10. Kandula S, **Prabhu RS**, Katzenstein H, Qayed M, Esiashvili N. Outcomes After Definitive Radiation Treatment of Metastatic Sites in Patients With Stage IV Neuroblastoma. *International journal of radiation oncology, biology, physics* 2013;87:S599.
11. Jegadeesh N, **Prabhu RS**, Oprea G, Godette K, Mister D, Torres M. The 21-Gene Recurrence Score Predicts Local Recurrence in Breast Cancer Patients Treated With Mastectomy Alone but not in Patients Treated With Radiation. *International journal of radiation oncology, biology, physics* 2013;87:S101.
12. Press RH, **Prabhu RS**, Appin CL, Brat DJ, Shu HG, Hadjipanayis C, Olson JJ, Oyesiku NM, Curran WJ, Crocker I. Patterns of Failure for Grade 2/3 Meningioma Treated With Reduced Margin Intensity Modulated Radiation Therapy. *International journal of radiation oncology, biology, physics* 2013;87:S158.
13. **Prabhu RS**, Liebman L, Wojno T, Hayek B, Hall W, Crocker I. Clinical Outcomes of Radiation Therapy as Initial Local Therapy for Graves' Ophthalmopathy and Predictors of the Need for Postradiation Therapy Decompressive Surgery. *International journal of radiation oncology, biology, physics* 2012;84:S624.
14. **Prabhu RS**, Dhabaan A, Crocker I, et al. Clinical Outcomes for a Novel 6 Degrees of Freedom Image Guided Immobilization and Localization Method for Frameless Radiosurgery for Brain Metastases. *International journal of radiation oncology, biology, physics* 2012;84:S294.
15. Kandula S, **Prabhu R**, Liebman L, Wojno T, Hayek B, Crocker I. Association of Complete Clinical Response and Long-term Outcome Among Patients With Biopsy-proven Orbital Pseudotumor Receiving Modern Radiation Therapy. *International journal of radiation oncology, biology, physics* 2012;84:S283-S4.

16. Eaton BR, Gebhardt B, **Prabhu R**, Shu H, Curran W, Crocker I. Hypofractionated Radiosurgery for Large Intact or Resected Brain Metastases. *International journal of radiation oncology, biology, physics* 2012;84:S285-S6.
17. **Prabhu RS**, Won M, Shaw EG, Wang M, Brachman D, Mehta MP. The Effect of the Addition of Chemotherapy to Radiotherapy on Cognitive Function in Patients with Low Grade Glioma: Secondary Analysis of RTOG 98-02. *J Clin Oncol* 30, 2012 (suppl; abstr 2047).
18. **Prabhu RS**, Hadjipanayis C, Shu H, Hall W, Raore B, Olson JJ, Curran W, Oyesiku N, Crocker I. Current Dosing Paradigm For Stereotactic Radiosurgery Alone Following Surgical Resection of Brain Metastases Needs To Be Optimized For Improved Local Control. *Int J Radiat Oncol Biol Phys* 2011;81:S652-S653.
19. Jegadeesh N, **Prabhu RS**, Muller S, Marcus D, Chen A, Grist WJ, Wadsworth JT, Tighiouart M, Saindane AM, Beitler JJ. Distant Metastases Are The Major Concern In Malignant Salivary Gland Tumors. *Int J Radiat Oncol Biol Phys* 2011;81:S525.
20. Marcus DM, Marcus RP, **Prabhu RS**, Owonikoko TK, Lawson DH, Beitler JJ. Mucosal Melanoma Of The Head and Neck: A Population-based Analysis, 1973 - 2007. *Int J Radiat Oncol Biol Phys* 2011;81:S533.
21. Hall WA, Fox TH, Jiang X, **Prabhu RS**, Rossi PJ, Godette K, Jani AB. The Use of Data Mining to Measure the Efficiency of Volumetric Modulated Arc Therapy (VMAT) in Comparison to Intensity Modulated Radiotherapy (IMRT) in the Treatment of Prostate Cancer. *Int J Radiat Oncol Biol Phys* 2011;81:S159.
22. **Prabhu RS**, Godette K, O'Regan R, Zelnak A, Fasola C, Carlson G, Losken A, Styblo T, Gabram S, Torres M. Radiotherapy Implications for Locally Advanced Breast Cancer Patients Treated with Skin Sparing vs. Non-skin Sparing Mastectomy following Neoadjuvant Chemotherapy. *Int J Radiat Oncol Biol Phys* 2010;78:S215-S216.
23. **Prabhu R**, Hinerman RW, Morris CG, Indelicato DJ, Werning JW, Villaret DB, Vaysberg M, Amdur RJ, Kirwan J, Mendenhall WM. Squamous Cell Carcinoma of the External Auditory Canal: Long-term Clinical Outcomes at the University of Florida. *Int J Radiat Oncol Biol Phys* 2008;72:S412.