

# Matthew C. Abramowitz M.D.

## **PERSONAL**

Name: Matthew C. Abramowitz M.D.  
Primary Department: Radiation Oncology  
Secondary or Joint Departmental Appointments: N/A  
Citizenship: USA

## **HIGHER EDUCATION**

### Institutional

- Resident, Fox Chase Cancer Center, Radiation Oncology 7/2004-6/2008
- Transitional Resident, Crozer Chester Medical Center 6/2003-6/2004
- Temple University School of Medicine MD 8/1999-5/2003
- Colgate University BA 1998 Biochemistry Major; Biology Minor

### Non-Institutional

- Lower Merion High School, PA 1994

### Certification, Licensure

- Board certified in Radiation Oncology by the American Board of Radiology 6/2009
- Medical Physician and Surgeon, Commonwealth of Pennsylvania, MD 427207
- Medical Doctor, State of Florida ME 101659
- USMLE Step 1, 2, 3

## **EXPERIENCE**

### Academic:

Assistant Professor, Department of Radiation Oncology University of Miami, Miller School of Medicine . 03/01/2010 - present

### Hospital Appointments:

University of Miami/Leonard Miller School of Medicine 03/01/2010 - present  
Jackson Memorial Hospital 03/01/2010 - present  
Radiation Oncology at University Miami Hospital 07/2008 – present

## **EXPERIENCE**

### Hospital Appointments

Radiation Oncology at Aventura Hospital

07/2008-02/2010

Non-Academic: 7/2008-02/2010

Cancer Healthcare Associates; 1400 N.W. 12<sup>th</sup> ave. Suite 104, Miami FL 33136  
Primary Radiation Oncologist for Aventura Hospital/Aventura Comprehensive  
Cancer Center

Compliance officer, Department of Radiation Oncology, University of Miami  
Miller School of Medicine, March 2012-present

Military N/A

## **PUBLICATIONS**

Books and monographs published:

### **Radiation Oncology - Difficult Cases and Practical Management**

**Book Chapter:** Genitourinary Section, Radiation and Hormonal Decision Points in the  
Treatment of Biochemical Failure After Radical Prostatectomy, pp 115-124, 2013

**Target Volume Delineation and Field Setup-A Practical guide for Conformal  
and Intensity-Modulated Radiation: Book Chapter** Bladder Cancer 227-232, 2012

**Target Volume Delineation and Field Setup-A Practical guide for Conformal  
and Intensity-Modulated Radiation: Book Chapter** Seminoma 233-238, 2012

### **Hypofractionation – Scientific Concepts and Clinical Experiences**

**Section Editor:** *An Introduction to Hypofractionation for Prostate Cancer.* pp 219-226  
2011

### **Hypofractionation – Scientific Concepts and Clinical Experiences**

**Book Chapter:** *Stereotactic Radiotherapy for Prostate Cancer.* Chapter 17, pp 267-289  
2011

**Abramowitz MC, Pollack A, “Post-Prostatectomy Radiation Therapy For  
Prostate Cancer”** *Semin Radiat Oncol.* 2008 Jan;18(1):15-22.

## **PROFESSIONAL**

### **Invited Commentary:**

**Abramowitz MC, Pollack A "Hypofractionated Radiotherapy for Prostate Cancer: Has the Time Come?", Oncology 2012 Jun;26(6) 519-522.**

Juried or refereed journal articles or exhibitions:

Arango BA, Sanchez BE, **Abramowitz MA**, Sandos E. *Moving EGFR Targeted Therapy into the Induction Phase of the Management of Squamous Cell Carcinoma of the Head and Neck*. Accepted for publication in the **Journal of Cancer Research Updates**.

Eldefrawy A, Katkooori D, **Abramowitz M**, Soloway MS, Manoharan M. Active surveillance vs. treatment for low-risk prostate cancer: A cost comparison. *Urol Oncol* 2011.

**Abramowitz MC**, Li TY, Morrow M, Anderson PR, Bleicher RJ, Goldstein LJ, Swaby R, Nicolaou N, Freedman GM. *History of Smoking is Associated with Younger Age at Diagnosis of Breast Cancer*. *Breast Journal*.16 (4):344-9, 2010

**Abramowitz MC**, Li T, Morrow M, Sigurdson E, Anderson P, Nicolaou N, Freedman G, “*Dermal Lymphatic Invasion and Inflammatory Breast Cancer are Independent Predictors of Outcome after Postmastectomy Radiation*” *Am J Clin Oncol* 32: 30-3; 2009.

**Abramowitz MC**, Li T, Buyyounouski, MK, Ross E, Uzzo RG, Pollack A, Horwitz EM “*The Nadir+2 Definition of Biochemical Failure Predicts for Overall Survival After Radiation for Localized Prostate Cancer*” *Cancer*. 2008 Jan 1;112(1):55-60.

Young JK, Donghui LI, **Abramowitz MC**, Morrision TG, “*Interaction of Peptides with sequences from the Newcastle Disease Virus Fusion Protein Heptad Repeat Region*” *J. Virol*. 1999 73: 5945-5956.

## **PROFESSIONAL**

Other works, publications and abstracts:

**Abramowitz MC**, Freedman G, Jin L, Nicolaou N, Ma C, Li J., “*Accuracy of Electron Dose Calculations for Breast Tumor Bed Boost*“ *Oncology*, April 2008, 4, suppl 1, pg 31.

Festa CJ, **Abramowitz MC**, Sodl J, Feng AK, Bigos D, Gaughan JP, Alburger PD, Clements DH, Benz RR “*Spinal Cord Compromise During Spinal Fusion Surgery: A Case Control Analysis of Variables*” *Critical Care Medicine* Vol. 28, No. 12 A135.

Funded Research Performed:

A Randomized Phase III study of Radiation Hypofractionation via Extended Versus Accelerated Therapy (HEAT) for Prostate Cancer: Funded by a research Grant from the Jay L. Friedland, M.D. Prostate Cancer Research Fund

Prospective Evaluation of a 4D Transperoneal Ultrasound System for Prostate Tracking During External Beam Radiation for Prostate Cancer. Funded by a research grant from Elekta.

Phase II Trial Using Cetuximab (Erbix) and Taxotere with Low Dose Fractioned Radiation for Recurrent Unresectable Locally Advance Head and Neck Carcinoma (2009019) Funded by an institutional research grant from the American Cancer Society.

A Phase III Randomized Trial of MRI-Mapped Dose-Escalated Salvage Radiotherapy Post-Prostatectomy: The MAPS Trial Funded by a Bankhead Coley Cancer Research Grant

Editorial responsibilities: N/A

## **PROFESSIONAL**

### Professional and Honorary

- ASTRO (Member, 10/2008)
- ASCO (Member, 2007)
- ABS (Member, 2008)
- ARS (Member 2007)  
Member Program Committee (2011-present)

### Honors and Awards

- Chief Resident, Radiation Oncology, Fox Chase Cancer Center 2007
- Young Oncologist Travel Award, American Radium Society, Amsterdam 2007
- Member AΩA Medical Honors Society
- Customer Service Award, Conemaugh Memorial Hospital Internal Medicine Clerkship
- Howard Hughes Summer Research Grant, NIH Study Group, Colgate University 1997
- Member BBB Biology Honors Society

Post-Doctoral Fellowships: N/A

### Other Professional Activities

#### **Presentations:**

**Abramowitz MC**, Synergy 2012: *Radiation Options in Prostate Cancer* Miami Beach FL November 9-11, 2012

**Abramowitz MC**, Bossart E, Flook R, Wu X, Brooks R, Lachaine M, Latuiliere F, Pollack A, *Noninvasive Real-time Prostate Tracking Using a Transperineal Ultrasound Approach*, Presented at the 54<sup>th</sup> Annual ASTRO Meeting, Boston MA. Oct. 28-31, 2012.

**Abramowitz MC**. Elekta Australasian Users Meeting, sponsored by Sir Charles Gairdner Hospital, Perth Australia  
*IGRT for Prostate Cancer Using Clarity with Autoscan: The University of Miami Experience*. August 24-26, 2012

## **PROFESSIONAL**

### Other Professional Activities

**Abramowitz MC.** ESTRO Elekta Users Meeting, Barcelona, Spain  
*IGRT for Prostate Cancer Using Clarity with Autoscan: The University of Miami Experience.* May 9, 2012

**Abramowitz MC.** ESTRO Clarity Users Meeting, Barcelona, Spain  
*IGRT for Prostate Cancer Using Clarity with Autoscan: from US to CBCT and back again.* May 8, 2012

Arsenault DM, **Abramowitz MC**, Elsayyad E, Lally B, *Does Race or Insurance Status Influence Radiotherapy (RT) Patterns of Care in Non-Small Cell Lung Cancer (NSCLC) Patients in Florida?* American Radium Society, 94<sup>th</sup> Annual Meeting. Las Vegas NV Apr. 29 – May 2, 2012.

Hobeika G, Walker G, Zia Y, Weed D, Samuel M, **Abramowitz MC**, El Sayyad N, *Management of Primary Carcinoma of the Naso-Lacrimal Duct: A Single Institution Experience ?* American Radium Society, 94<sup>th</sup> Annual Meeting. Las Vegas NV Apr. 29 – May 2, 2012

**Abramowitz MC**, Kwon D, Manoharan M, Gomez C, Kava B, Mahmoud O, Pollack A, *Clinical Outcomes of Men Treated with Definitive Radiation with Markedly Elevated PSA's, ?* American Radium Society, 94<sup>th</sup> Annual Meeting. Las Vegas NV Apr. 29 – May 2, 2012

Lally B, Arsenault D, Elsayyad N, Pollack A, **Abramowitz MC** *Does Insurance Status or Race Influence the Utilization of Radiotherapy technology in Prostate Cancer?* ? American Radium Society, 94<sup>th</sup> Annual Meeting. Las Vegas NV Apr. 29 – May 2, 2012.

Jean-Pierre P, Stoyanova R, Penedo F, Antoni M, **Abramowitz MC**, Buyyounouski M, Pollack A, *Treatment-related Side Effects and Quality of Life Among Prostate Cancer Patients Treated with Conventional versus Hypofractionated Intensity Modulated Radiotherapy: A Phase III Hypofractionation Trial*, Presented at the 53<sup>rd</sup> Annual ASTRO Meeting, Miami, FL. Oct. 2-6, 2011.

**Abramowitz MC**, Stoyanova R, Kava B, Soloway M, Manoharan M, Casillas J, Pollack A. *Dynamic Contrast Enhanced MRI for the Identification of Prostate Cancer in the Prostate Bed after Radical Prostatectomy.* Presented at the 53<sup>rd</sup> Annual ASTRO Meeting, Miami, FL. Oct. 2-6, 2011.

## **PROFESSIONAL**

### Other Professional Activities

**Abramowitz MC**, Bossart E, Soloway M, Kava B, Stoyanova R, Pollack A, Wu X, *Dose Painting Prostate Brachytherapy Utilizing DCE-MRI Guidance and Robotic Assistance ?* American Radium Society, 93<sup>th</sup> Annual Meeting. Palm Beach FL Apr. 30 – May 4, 2011.

Lally BE, Wright JL, Koniaris LG, Mahmoud O, Gomez J, Nguyen D, Baxter T, Thomas C.R., **Abramowitz MC** *Is Radiation Therapy Becoming More Effective in Treating Non-small Cell Lung Cancer*, Presented at the 52<sup>nd</sup> Annual Meeting of the American Society for Therapeutic Radiology and Oncology, San Diego, CA Oct 31-Nov. 3rd, 2010

**Abramowitz MC**, Santos E, Raez L, Weed D, Mahmoud O, Sperry J, Wright J, Sargi Z, Lally B, *Has the Survival for Patients with Squamous Cell Cancer of the Head and Neck Treated with Radiotherapy Improved Over Time?* Presented at the 52<sup>nd</sup> Annual Meeting of the American Society for Therapeutic Radiology and Oncology, San Diego, CA Oct 31-Nov. 3rd, 2010

**Abramowitz MC** “*Cranial Nerve Delineation for Treatment of Head and Neck Cancer*” Florida Radiologic Society Annual Meeting, Orlando Florida, July 15-17 2010

R. Rajpara, M. **Abramowitz**, R. Stoyanova, F. Casillas, J. Palma, M. Wahab, A. Pollack “*Dynamic Contrast Enhanced (DCE) MRI Post-Prostatectomy for a Rising PSA: Implications for Radiotherapy (RT)*” Presented at the 92<sup>nd</sup> Annual Meeting of the American Radium Society, Cancun Mexico, May 1-5, 2010.

**Abramowitz MC**, Parasher AK, Weed D, Franzmann E, Goodwen J, Santos E, Raez LE, Hu J, Lally B, “*Ethnicity and Clinical Outcomes in Head and Neck Cancer: An Analysis of the Survival, Epidemiology and End Results Database*” Presented at the 3<sup>rd</sup> Annual American Association for Cancer Research conference on The Science of Cancer Health Disparities, Miami FL, Sep 30-Oct 3 2010.

**Abramowitz MC.**, Lihui J., Freedman G, Jin L., Anderson P., Nicolaou N., Ma C., Li J., “*Accuracy of Electron Dose Calculations of Breast Tumor Bed Boost*” Presented at the 90<sup>th</sup> 89<sup>th</sup> Annual Meeting of the American Radium Society, Laguna Niguel CA May 3-7, 2008.

## **PROFESSIONAL**

### Other Professional Activities

**Abramowitz MC**, Li T, Anderson P, Nicolau N, Goldstein L, Morrow M, Freedman G. “*Smoking Does Not Change Clinical Presentation or Pathologic Stage of Breast Cancer*” Presented at the 49<sup>th</sup> Annual Meeting of the American Society for Therapeutic Radiology and Oncology, Los Angeles, CA, Oct. 28<sup>th</sup>-Nov. 1<sup>st</sup>, 2007.

**Abramowitz MC**, Li T, Anderson P, Nicolau N, Freedman G, “*Dermal Lymphatic Invasion and Inflammatory Breast Cancer are Independent Predictors of Outcome after Postmastectomy Radiation*” Oral Presentation 89th Annual Meeting of the American Radium Society, Amsterdam, Netherlands, May 4-9, 2007.

**Abramowitz MC**, Li T, Buyyounouski, MK, Ross E, Uzzo RG, Pollack A, Horwitz EM, “*The Nadir+2 Definition of Biochemical Failure Predicts for Overall Survival [in Prostate Cancer]*” Poster Discussion, 48th Annual Meeting of the American Society for Therapeutic Radiology and Oncology, Philadelphia, Nov. 5-9, 2006.

Festa CJ, **Abramowitz MC**, Sodl J, Feng AK, Bigos D, Gaughan JP, Alburger PD, Clements DH, Betz RR, “*Spinal Cord Compromise During Spinal Fusion Surgery: A Case Control Analysis of Variables*” Society of Critical Care Medicine, Orlando, FL Feb. 2000.

**Abramowitz MC**, Louis JM “*Endonuclease Sensitive Repeat Amplification for the Large Scale Production of DNA Oligonucleotides*” Senior Research Defense, Colgate University, April 1998.

### **Abstract:**

Poster Viewing: **ASTRO 52<sup>nd</sup> Annual Meeting, October 31 – November 4, 2010.** *Has Survival for Patients with Squamous Cell Carcinoma of the Head and Neck Treated with Radiotherapy Improved Over Time?*



## **PROFESSIONAL**

Other Professional Activities

### **Moderator:**

Scientific Section Moderator: American Radium Society, 94<sup>th</sup> Annual Meeting. Las Vegas, NV April 29 – May 2, 2012. *Genito-Urinary and Gastro-Intestinal Cancer*.

Scientific Section Moderator 92<sup>nd</sup> Annual Meeting of the American Radium Society, Cancun Mexico, May 1-5, 2010. *Genito-Urinary Cancer*.

### **Meeting Host:**

**Local Host: Clarity Autoscan Clinical Leadership Forum:** February 12 2013 Miami FL.

## **TEACHING**

Teaching Awards Received: N/A

Teaching:

Novice Rowing Coach, College of the Holy Cross, Worcester MA (1998-1999)

## **SERVICE**

University Committee and Administrative Responsibilities:

Director of Compliance, Department of Radiation Oncology. University of Miami, Miller School of Medicine.

Co-Chair Prostate, Bladder & Kidney Cancers Site Disease Group, Sylvester Comprehensive Cancer Center 2/2013-present

Member, UMMG Leadership Council for FY 2011-2013

Member Decanal Title Review Committee, University of Miami, Miller School of Medicine 2013-present

Active Member, University of Miami/Sylvester Comprehensive Cancer Center

## **SERVICE**

Protocol Review Committee, June 2010-present

Participating member of the University of Miami, RTOG August 2011

Community Invited lectures:

“Introduction to Prostate Cancer: From a Radiation Oncologists Point of View” Peridine SDA church November 8<sup>th</sup> 2012

“Advances in Radiation Therapy” City of Hallandale Beach’s annual community cancer awareness event on Saturday, October 11, 2008

“Advances in the Treatment of Prostate Cancer” Aventura Hospital, Prostate awareness month, September 12, 2008

“Advances in Radiation Therapy” The Southeast Florida Cancer Control Collaborative quarterly meeting, February 19, 2009

“The Management of Colo-Rectal Cancer” National Colorectal Cancer Awareness Month Michael-Ann Russell Jewish Community Center, March 2, 2009

“Radiation Therapy for Lung Cancer” Lung Health Awareness, Aventura Community Recreation Center, March 26, 2009

“Radiation Therapy for Uterine Cancer” National Cancer Control Month, Aventura Community Recreation Center, April 2, 2009

“Advances in the Treatment of Prostate Cancer” Prostate Awareness month, 100 Black Men of South Florida, The City of Hallandale Beach, September 12, 2009

“Radiation Therapy for Lung Cancer” Lung Cancer Awareness Month, Aventura Hospital, November 11, 2009

Invited Radio Guest:

September 5 2009, WCMU Radio broadcast on Prostate Awareness