

## **Amardeep S. Grewal MD**

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Curriculum Vitae, last updated: June 2019

### **EDUCATION:**

Harvard University, Class of 2010  
B.A. in Molecular & Cellular Biology, Minor in Economics  
Cambridge, MA  
*August 2007-June 2010*

Harvard Medical School, Class of 2015  
M.D.  
Boston, MA  
*August 2011-June 2015*

### **POST-GRADUATE TRAINING:**

University of Pennsylvania  
Internship in Internal Medicine  
Philadelphia, PA  
*June 2015-June 2016*

University of Pennsylvania  
Residency, Radiation Oncology  
Elected Chief Resident during PGY4 and PGY5 years  
Philadelphia, PA  
*June 2016-present*

### **WORK EXPERIENCE:**

UCSF Breast Care Center  
Clinical Research Coordinator & Decision Support Services Intern  
San Francisco, CA  
*July 2010-June 2011*

Center for Digital Health, University of Pennsylvania  
Research Associate  
Philadelphia, PA  
*January 2019-present*

### **LICENSURE:**

State of Pennsylvania Unrestricted Medical License  
June 2017-present

Drug Enforcement Agency Controlled Substance License  
June 2017-present

### **CLINICAL TRAINING AND EXPERIENCE**

- Proton beam therapy
- Intensity-modulated radiotherapy
- Image-guided radiotherapy
- Volumetric modulated arc therapy
- 3-D conformal therapy
- Electron beam therapy
- Stereotactic body radiotherapy (SBRT)
- Stereotactic radiosurgery (SRS)
- High-dose rate brachytherapy

### **AWARDS & HONORS**

Best of ACRO 2018 Award  
-Given to best oral presentations at the Annual ACRO Conference

2019 NCCN Fellow Award  
-Given to one resident/fellow from an NCCN institution annually for work in oncology quality care improvement

Phi Beta Kappa (2010)

### **PROFESSIONAL MEMBERSHIP**

American Society for Radiation Oncology (ASTRO), Member-in-training 2015-present  
American Society of Clinical Oncology (ASCO), Member-in-training 2015-present

### **PROFESSIONAL DEVELOPMENT**

Healthcare Leadership in Quality Improvement Track Resident 2018-present  
-Two year course during which residents are taught about the quality improvement process and implement their own QI project within their department. Weekly lectures on healthcare leadership, management, economics and quality  
University of Pennsylvania 2016 Clinical Trials in Radiation Oncology Workshop  
NCCN Oncology Fellows Program (2019)  
Palliative Goals of Care Discussion Workshop (2018)

### **COMMITTEES/QUALITY IMPROVEMENT**

University of Pennsylvania Patient Safety Collaborative Committee  
Radiation Oncology Department QA/QI Committee  
Radiation Oncology Department CT Simulation Improvement Committee  
Radiation Oncology Department Patient & Family Advisory Committee  
Radiation Oncology Department Psychosocial Patient Assessment Committee

### **GRANT AWARDS**

2017 Abramson Cancer Center GI Oncology Innovation Grant (\$20,000)  
2019 University of Pennsylvania Center for Digital Health Grant (\$10,000)  
2019 Penn Center for Precision Medicine Accelerator Fund Grant (\$90,000)

### **OPEN CLINICAL TRIALS**

*Activity Monitoring in GI Cancer Patient receiving concurrent chemoradiation to reduce unplanned hospital visits* (open date 7/2018, current accrual 28, target accrual: 50)  
Role: Principal Investigator

OnCare Connect: Early Intervention via 2-way texting with a ChatBot to decrease toxicity severity progression in oncology patients (open date 3/2019; current accrual 20 target accrual: 30)  
Role: Principal Investigator

Google Search History to Better Understand Patient Needs during Radiation Therapy (open date 5/2019; current accrual 6 target accrual 60)  
Role: Principal Investigator

Gastrointestinal microbiome as a biomarker to predict treatment response to concurrent chemoradiation and adjuvant immunotherapy in patients with locally advanced non-small cell lung cancer (Protocol in IRB review)

Role: Co-Principal Investigator

### PEER REVIEWED PUBLICATIONS

**Grewal AS**, Padera RF, Boukedes S, Divo M, Rosas IO, Camp PC, Fuhlbrigge A, Goldberg H, El-Chemaly S. Prevalence and outcome of lung cancer in lung transplant recipients. *Respir Med* 2015; 109(3): 427-33.

Yammine M, Neely RC, Loberman D, Rajab TK, **Grewal AS**, McGurk S, Fitzgerald D, Aranki SF. The Use of Lidocaine Containing Cardioplegia in Surgery for Adult Acquired Heart Disease. *J Card Surg* 2015; 30(9): 677-84.

**Grewal AS**, Freedman GM, Jones JA, Taunk NK. Hypofractionated radiation therapy for durable palliative treatment of bleeding, fungating breast cancers. *Pract Radiat Oncol* 2019; 9(2):73-6.

**Grewal AS**, Jones JJ, Lin A. Palliative radiation therapy for head and neck cancer. *Int J Radiat Oncol Biol Phys*. 2019 In press.

**Grewal AS**, Schonewolf C, Min EJ, Chao HH, Both S, Lam S, Mazzone S, Bekelman J, Christodouleas J, Vapiwala N. Four-year outcomes of hypofractionated proton therapy for localized prostate cancer. *Int J Radiat Oncol Biol Phys*. 2019 In press.

**Grewal AS**, Rajasekaran K, Cannady SB, Chalian AA, Ghiam AF, Lin A, liVolsi V, Lukens JN, Mitra N, Montone KT, Newman JG, O'Malley Jr, BW, Rassekh CH, Weinstein GS, Swisher-McClure S. Pharyngeal Sparing Radiation for Head and Neck Carcinoma of Unknown Primary following TORS assisted work-up. *Laryngoscope*. 2019 In press.

**Grewal AS**, Berman AT. Patient Reported Outcomes and Quality of Life in Radiation Oncology. *Clinics Hematology & Oncology*. 2019 In press.

### ORAL AND POSTER ABSTRACT PRESENTATIONS

1. **Grewal AS**, Padera RF, Boukedes S, Divo M, Rosas IO, Camp PC, Fuhlbrigge A, Goldberg H, El-Chemaly S. Prevalence and outcome of lung cancer in lung transplant recipients. *Accepted for Poster Presentation. American Thoracic Society Annual Meeting. Philadelphia, Pennsylvania. May 2013.*
2. **Grewal AS**, Ben Josef, E. SMAD4 mutation acquisition in the metastatic transformation of pancreatic cancer. *Accepted for Poster Presentation. GI ASCO Meeting. San Francisco, California. January 2018.*
3. **Grewal AS**, Ben Josef, E. SMAD4 mutations predictive of metastatic disease. *Accepted for Oral Presentation. American College of Radiation Oncology Annual Meeting. Ft. Lauderdale, Florida. February 2018.*

4. **Grewal AS**, Li Y, Fisher MJ, Minturn J, Belasco J, Phillips P, Kang T, Lustig R, Hill-Kayser C. Primary Site Irradiation using Proton Therapy in Young Children with Medulloblastoma. *Accepted for Poster Discussion. ASTRO 2018 Annual Meeting. San Antonio, Texas. October 2018.*  
Status: Manuscript submitted
5. **Grewal AS**, Schonewolf C, Min EJ, Chao HH, Both S, Lam S, Mazzone S, Bekelman J, Christodouleas J, Vapiwala N. Four-year outcomes of hypofractionated proton therapy for localized prostate cancer. *Accepted for Poster Presentation. GU ASCO Meeting. San Francisco, California. February 2019.*  
Status: Accepted; in press
6. **Grewal AS**, Gabriel P, Doucette A, Metz J, Wojcieszynski A. The Use of Patient Reported Outcomes to Predict Unplanned Inpatient Hospitalizations and Emergency Department Visits in Cancer Patients Receiving Concurrent Chemotherapy and Radiation Therapy. *Accepted for Oral Presentation. American Radium Society Annual Meeting. Los Angeles, California. April 2019.*  
Status: Manuscript submitted
7. **Grewal AS**, Rajasekaran K, Cannady SB, Chalian AA, Ghiam AF, Lin A, liVolsi V, Lukens JN, Mitra N, Montone KT, Newman JG, O'Malley Jr, BW, Rassekh CH, Weinstein GS, Swisher-McClure S. Pharyngeal Sparing Radiation for Head and Neck Carcinoma of Unknown Primary following TORS assisted work-up. *Accepted for Poster Presentation. AHNS 2019 Annual Meeting. Austin, Texas. May 2019.*  
Status: Accepted; in press
8. **Grewal AS**, Min EJ, Long Q, Grewal SK, Jain V, Levin WP, Cengel KA, Swisher-McClure S, Aggarwal C, Bauml JM, Singh A, Ciunci C, Cohen RB, Langer C, Feigenberg SJ, Berman AT. Early Tumor and Nodal Response in Patients with Locally-advanced NSCLC Predict for Oncologic Outcomes in Patients Treated with Concurrent Proton Therapy and chemotherapy. *Accepted for Oral Presentation. ASTRO 2019 Annual Meeting. Chicago, Illinois. September 2019.*  
Status: Manuscript submitted
9. **Grewal AS**, Li Y, Grewal SK, Bagatell R, Balamuth N, Womer R, Kurtz G, Tochner Z, Hill-Kayser C. Role of metastatic site irradiation in pediatric patients with metastatic Ewing Sarcoma. *Accepted for Poster Presentation. ASTRO 2019 Annual Meeting. Chicago, Illinois. September 2019.*  
Status: Manuscript submitted

**References:**

James Metz, MD  
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