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ACADEMIC APPOINTMENTS

New York University Medical Center, New York, NY Assistant Professor of Clinical Radiology Department of Radiology North Shore University Hospital, Manhasset, NY	8/96 - 10/97
Mount Sinai School of Medicine, New York, NY Assistant Professor Department of Radiation Oncology	6/98 – 12/14
Mount Sinai School of Medicine, New York, NY Associate Professor Department of Radiation Oncology	1/15 - present

EMPLOYMENT

The Graduate Hospital, Philadelphia, PA Research Associate The Cancer Prevention Center	2/89 -6/91
North Shore University Hospital, Manhasset, NY Assistant Attending Department of Radiology	7/95 – 9/97
The Mount Sinai Hospital, New York, NY Assistant Attending Department of Radiation Oncology	11/97 - present

EDUCATION

University of Witwatersrand Medical School, MBBCh Johannesburg, South Africa	December 1987
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POSTDOCTORAL TRAINING

Johannesburg Hospital, South Africa General Surgery and Internal Medicine – Intern	1/88 -12/88
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The Mount Sinai Medical Center, New York, NY Department of Pathology - Resident	7/91 – 6/92
The Mount Sinai Medical Center, New York, NY Department of Radiation Oncology - Resident	7/92 – 6/94
The Mount Sinai Medical Center, New York, NY Department of Radiation Oncology – Chief Resident	7/94 – 6/95

CERTIFICATION

American Board of Radiology - Radiation Oncology, June 1996
 American Board of Radiology - Maintenance of Certification, 2006
 Educational Commission for Foreign Medical Graduates (ECFMG), 1990
 Federal Licensing Examination (FLEX), 1989

LICENSURE

New York State Medical License (#198341), 1/26/1995

HONORS AND AWARDS

America’s Top Oncologists	2010
Teacher of the Year Award	2002
Association of Residents in Radiation Oncology (ARRO) Recognition of Excellence in Teaching Award	2004
The Institute for Medical Education of the Mount Sinai School of Medicine Chief Resident	1994
American Cancer Society (Philadelphia Division) Community Education Award	1990

OTHER PROFESSIONAL APPOINTMENTS

Extramural service:

▪ Consultant - Neuro Advisory Board of Vital Images, Inc.	2010-2012
▪ Member, the American College of Radiology (ACR) Expert Panel on Radiation Oncology – Breast	2005 -2008
▪ ASTRO abstract reviewer – Breast	2015

Intramural committees:

Member, Radio-isotope and radioactive Research Committee North Shore University Hospital	1996 -1997
Physicians Steering Committee Oncology Care Center, The Mount Sinai Hospital	1998 -2004
Member, the Radio-isotope Utilization and Radiation Safety Committee The Mount Sinai Hospital	1998 -2005
Member, DFG Brain, Tisch Cancer Institute	8/09 - present
Member, DFG Breast, Tisch Cancer Institute	8/09 - present

RESEARCH PROFILE

- I. **Investigated the use of external beam radiation therapy (EBRT) in patients with rectal cancer with pre-existing inflammatory bowel disease.**

This patient population was deemed to be unsuitable for treatment with EBRT due to significant bowel toxicity. I conducted the largest retrospective study of this patient cohort and this landmark study established EBRT as a safe and effective adjuvant treatment modality for patients with rectal cancer and IBD.

- II. **Explored novel approaches and developed innovative techniques to minimize radiation induced toxicity and to optimize quality of life (QOL) parameters for patients undergoing EBRT. Specific innovations include:**

1. *Use of cognitive behavioral therapy and hypnosis to minimize radiation induced fatigue.*
2. *Targeted behavioral interventions based upon review of patient-rated measures of radiodermatitis.*
3. *Development of qualitative parameters to evaluate acute skin toxicities in breast cancer patients treated with EBRT.*
4. *Understanding differences between physician versus patient assessment of radiation induced skin reactions*
5. *Use of a scalp nerve blockade to minimize pain related to stereotactic headframe placement during stereotactic radiosurgery procedures for patients with brain tumors.*

These collaborative approaches have contributed to grant funding from the NCI and American Cancer Society.

- III. **Investigated the role of stereotactic radiosurgery for spinal tumors deemed radioresistant.**

Demonstrated effective palliation and tumor control for patients with vertebral body metastases secondary to hepatocellular carcinoma.

- IV. **Participated in industry supported research evaluating innovative techniques with subsequent incorporation into clinical practice.**

1. *Novoste coronary brachytherapy*
2. *Consultant to Vital Images in the development of novel imaging techniques for oncologic use*
3. *Currently evaluating Novocure device for treatment of glioblastoma.*

- V. **Cooperative group research participant (CALGB, RTOG, GOG, ECOG).**

Direction of current research:

- i. *Continue exploring QOL issues related to radiation treatment – current focus on pretreatment psychological assessment and specifically targeted interventions for breast cancer patients. Pilot data collection completed spring 2013. Assessment tool in revision/adaptation to be administered electronically. Continue to work collaboratively to expand grant funding.*
- ii. *Expand participation in RTOG - to serve as institutional PI for RTOG 1119 – accrual to begin in summer 2013.*
- iii. *Explore alternative techniques for intensity modulated irradiation of regional nodal targets in breast cancer patients, focused on reducing low dose radiation exposure. Pilot data completed in collaboration with radiation physicist and presented by physicist at national meeting, spring 2013.*
- iv. *Investigation of etiologic agents in the development of gliomas with the potential for identification of prevention/risk reduction strategies.*

CLINICAL PROFILE

I. Established a high volume practice for treatment of breast cancer with a relatively unique focus on treatment related quality of life (QOL) parameters.

This approach has facilitated an optimal treatment experience with maximization of oncologic outcomes whilst optimizing the QOL for breast cancer patients. I have incorporated novel techniques (cognitive behavioral interventions and hypnosis) into daily practice, resulting in reduction of treatment related side effects. This approach has resulted in a productive collaboration with psychologists and has contributed to the adoption of these practices into the multidisciplinary Dubin Breast Center as well as nationally at other breast cancer treatment facilities.

II. Re-established the Stereotactic Radiosurgery (SRS) Program and instituted SRS treatment for Spine Tumors

In co-directorship with the Department of Neurosurgery, I re-instituted the SRS Program, which has since developed a reputation for excellence in the treatment of benign and malignant brain lesions, drawing patients from the tristate as well as eastern USA. In 2009, I expanded the program to incorporate treatment of benign and malignant spine tumors, previously not offered at the institution. This program has established SRS as an effective palliative treatment for spinal metastases in patients with hepatic carcinoma.

III. Re-established the Gynecologic Oncology Radiation Treatment Program

Resulted in additional patient volume, comprehensive treatment delivery as well as enhancement of the resident training program.

IV. Established the Intracoronary Brachytherapy Program in conjunction with cardiology.

This was initially established as a research program and is now incorporated into routine clinical care. Mount Sinai Hospital has become one of the largest centers nationwide performing this procedure.

V. Directed the Departmental Quality Assurance and Improvement Program since 1998

- Served as basis for achieving accreditation by the American College of Radiology (ACR) – 2010
- Contributed to patient care and treatment delivery with exceedingly low error rate.
- Commendation by the Chief Medical Officer for comprehensive quality assurance and improvement.

IMPACT

Clinical Activities:

- Achieved a reputation for delivery of *exceptionally high quality clinical care*.
- Implemented *innovative techniques in optimizing QOL* for patients undergoing radiation treatment. These techniques are now adopted in routine care at the multidisciplinary Dubin Breast Center as well as nationally at breast cancer treatment facilities.
- Established several new programs at Mount Sinai – including *intracoronary brachytherapy, prone breast treatment, stereotactic radiosurgery for treatment of benign and malignant lesions of the spine*.
- Re-established programs that were no longer operational, including *stereotactic radiosurgery for treatment of benign and malignant brain lesions, and radiation treatment/brachytherapy for women with gynecologic malignancies*.
- Developed multiple *quality initiatives to ensure safe treatment delivery and ACR accreditation*.
- Appointed a member of the *ACR Committee for Appropriateness Criteria of Breast Cancer Treatment*.
- Consistently maintained *exceptionally high Press Ganey scores* – received recognition by the FPA for achieving scores “significantly higher” than the rest of the FPA.
- Serve as a *consultant and neuro advisory board member for Vital Images, Inc.*
- Receive frequent patient referrals from other NYC tertiary care centers as well as from the tristate and eastern USA states.

Teaching:

- *Excellence in Teaching Awards* received (Association of Residents in Radiation Oncology and Institute for Medical Education of MSSM).
- Acknowledged by residents in training for providing *optimal clinical training and mentorship*.
- *Trained residents* for success in academic, community and private practice based settings.
- *Implemented Press Ganey based techniques* into resident education.
- Served as a mentor to junior faculty.

Research:

- *Reviewer* for *International Journal of Radiation Oncology Biology Physics*.
- Conducted research on Inflammatory Bowel Disease which *established the standard of care treatment* for IBD patients who develop rectal cancer.
- Explored and developed *innovative techniques* for managing *radiation induced side effects resulting in QOL enhancement*. These techniques have been adopted locally and nationally.
- Collaborative research protocols exploring QOL enhancement techniques has resulted in grant funding from the NCI and American Cancer Society.
- Established stereotactic *radiosurgery* as an effective palliative treatment for patients with *vertebral body metastases* secondary to hepatocellular carcinoma.
- Served as institutional PI for cooperative group protocols.

GRANTS AND CONTRACT SUPPORT

Past Grants:

Funding Source, Project Title & Number	Role in Project	Dates	Total Direct Cost	Supplement Info
American Cancer Society, <u>Fatigue During and Post Breast Cancer Radiotherapy: CBT with Hypnosis Trial, RSGPB-04-213-01-CPPB</u>	Co-Investigator 10% Time/Effort	07/01/2004- 06/30/2011	\$964,260	N/A
Online versus Live CBT for cancer-related fatigue: Efficacy, costs, mechanisms.	*MSMC Co-Investigator			
Mount Sinai Cancer Center Biorepository	*MSMC Co-Investigator			
CALGB 49801 Tamoxifen alone vs. Tamoxifen plus radiation therapy for ductal carcinoma in situ	*MSMC Co-Investigator	10/01/2000 02/24/2004		
CALGB 49910 Doxorubicin-Cyclophosphamide in axillary node positive breast cancer	*MSMC Co-Investigator	11/01/2000 03/31/2004		

Current Grants:

Funding Source, Project Title & Number	Role in Project	Dates	Total Direct Cost	Supplement Info
National Cancer Institute, Training providers in CBT plus Hypnosis-an evidence-based fatigue intervention R25 CA 193098	Co-Investigator	2015-2020	\$1,325,676 \$282,080	5% Effort
National Cancer Institute, <u>Developing a Skin Toxicity-Related Quality of Life Scale for Breast Radiotherapy, R03CA159530</u>	Internal Consultant 5% Time/Effort	03/01/2011-02/28/2013	\$100,000 Current Year: \$50,000	N/A
National Cancer Institute, <u>Skin Toxicity Effects in Breast Radiation: A Cognitive Behavioral Intervention, K07CA131473, career development award</u>	Co-Mentor to PI 10% Time/Effort	08/15/2008-07/31/2013	\$590,460 Current Year: \$115,858	N/A
Retrospective Study of Radiosurgery patients at Mount Sinai	MSMC Co-Investigator	2009- Present	NONE	N/A
Glioblastoma and Cytomegalovirus Infection.	MSMC Co-Investigator	2012-Present	NONE	N/A

CLINICAL TRIAL PARTICIPATION

Project	Role in Project	Dates	Award
Novoste Start Trial Randomized Trial of coronary brachytherapy (Sr 90) versus placebo following percutaneous coronary intervention	*MSMC Co-Investigator *Implemented coronary Brachytherapy (not previously done at MSMC) *20% Time/Effort	1998-2000	1 Year \$54,936

<p>RTOG 9915</p> <p>Randomized Trial evaluating post-mastectomy radiation therapy in 1-3 positive lymph node patients</p>	<p>*MSMC Co-Investigator</p> <p>*Accrued patients, delivered radiation treatments, provided follow-up data.</p> <p>*10% Time/Effort</p>	2000-2003	
<p>GOG 0249</p> <p>Phase III trial of pelvic radiation therapy versus vaginal cuff brachytherapy followed by chemotherapy in patients with high risk early stage endometrial carcinoma</p>	<p>*MSMC Co-Investigator</p> <p>*Accrued patients, delivered radiation treatments, provided follow-up dates</p> <p>*5% Time/Effort</p>	2008-2011	
<p>Multicenter, Phase II Assessment of Tumor Hypoxia in Glioblastoma Using F-Fluoromisonidazole (FMISO) with PET and MRI</p>	<p>*MSMC Co-Investigator</p>	ONGOING	
<p>Novocure MSM12-00726</p> <p>Novocure EF-14 Trial A prospective multicenter trial of NovoTTF-100A together with Temozolamide compared to Temozolamide alone in patterns with newly diagnosed GBM</p>	<p>*MSMC Co-Investigator</p> <p>*Accrue patients and provide follow up data</p> <p>*5% Time/Effort</p>	Closed 2015	
<p>ECOG 2108 GCO # 12-0540 (0001)(01)</p> <p>A randomized phase III trial of the value of early local therapy for the intact primary tumor in patients with metastatic breast cancer</p>	<p>*MSMC Co-investigator</p> <p>*Accrue patients, render treatment and provide followup data</p> <p>*<5% Time/Effort</p>	ONGOING	
<p>RTOG 1119 GCO# 09-0762(00003-01)</p> <p>Phase II randomized study of whole brain radiotherapy in combination with concurrent Lapatinib in patients with brain metastasis from her2 positive breast cancer</p>	<p>*MSMC Principal Investigator</p> <p>*10% Time/Effort</p>	2013-2014	

TRAINEES

Name	Level of Trainee	Role in training and Inclusive date of Training	Training Venue	Trainee's Current Status/ Employment
Benjamin Goldsmith	Mount Sinai Medical Student	Mentor- Doris Duke Clinical research Fellowship Program 2007-2008	Radiation Oncology Clinic	Resident, Dept. of Radiation Oncology, University of Pennsylvania
Julie Schnur	Ph.D.	Mentor- NCI Cancer Development Award recipient 2008-2013	Radiation Oncology Clinic	Faculty, Dept. of Oncological Sciences, Mount Sinai School of Medicine

TEACHING ACTIVITIES

Activity/Topic	Level	Role	Level/ #	# Hours/Week/Month	Evaluation Summary	Years Taught
New Patient Rounds	Department Level	Teaching/ Attending	Residents (6-7)	12-18 Hours per year		1997-Present
Journal Club	Department Level	Teaching/ Attending	Residents (6-7)	4 Hours per year		1997-2007
Morbidity and Mortality Conferences	Department Level	Director	Residents (6)	1 Hour per month		1998-2008
Treatment Planning for CNS malignancies	Department Level	Teaching/ Attending	Residents (6-7)	2 Hours per year		2008-Present
Treatment Planning for Breast Cancer patients	Department Level	Teaching/ Attending	Residents (6-7)	2 Hours per year		2008-Present
Radiation Therapy for Brain Tumors	Department Level	Teaching/ Attending	Fellows (6)	1 Hour per year		2005-2008

ADMINISTRATIVE LEADERSHIP APPOINTMENTS

INTERNAL:

Clinical

Medical Director, Dept. of Radiation Oncology 7/08 - present
Co-Director, Stereotactic Radiosurgery Program 7/09 - present
(Collaborative program – Departments of Radiation
Oncology and Neurosurgery)

Chair, Quality Assurance and Performance Improvement 6/98 – 2/2016
Dept. of Radiation Oncology

PUBLICATIONS

Peer Reviewed Original Contributions

Ohri N, Ho A, **Green S**, Moshier E, Rhome R, Poewl S, Mazumdar M and Tsai CJ. Postmastectomy radiation in breast cancer patients with pathologically positive lymph nodes after neoadjuvant chemotherapy: An analysis of treatment and survival trends from the National Cancer Data Base. Accepted for publication. . Int J Radiat Oncol Phys. June 2017.

Rhome R, Germano IM, Sheu RD and **Green S**. Long-term outcomes of acromegaly treated with fractionated stereotactic radiation: case series and literature review. Neuro Oncology Practice. March 31, 2017.

Lehrer S, Rheinstein PH, **Green S** and Rosenzweig KE. Young premenopausal women with breast cancer, especially estrogen receptor negative, are at significantly increased risk for subsequent ovarian cancer. Discover Med. 2016 Oct 22 (121):209-213.

Lehrer S, **Green S** and Rosenzweig K. Melanoma risk and citrus consumption. Epub JCO/2015/638254.

Lehrer S, **Green S** and Rosenzweig K. Lack of correlation between benign brain tumors and markers of oral health. New York State Dental Journal, April 2015.

Ahmed I, Dharmarajan K, Tiersten A, Bleiweiss I, Schmidt H, **Green S** and Bakst R. A unique presentation of occult primary breast cancer with a review of the literature. Case Reports in Oncological Medicine, vol 2015.

Lehrer S, **Green S** and Rosenzweig K. No circulating human cytomegalovirus in 14 cases of glioblastoma. Neuro-Oncology – accepted for publication October 29, 2014.

Lehrer S, **Green S** and Rosenzweig K. Poverty and lung cancer incidence. Cancer ,120 (24) 4007-4008, December 15, 2014.

Dumane V, Hunt MA, **Green S**, Lo YC, Bakst R. Dosimetric comparison of volumetric modulated arc therapy, static field intensity modulated radiation therapy and 3D conformal planning for the treatment of a right-sided reconstructed chest wall and regional nodal case. Journal of Radiotherapy, Volume 2014. In press.

Lehrer S, **Green S**, Ramanathan L, Rosenzweig K. Association between breast and thyroid cancers. Advances in Genomics and Genetics 2014;4 1-4.

Montgomery GH, David D, Kangas M, **Green S**, Sucala M, Bovbjerg DH, Hallquist MN, & Schnur JB. A randomized clinical trial of a cognitive-behavioral therapy plus hypnosis intervention to control fatigue in breast cancer radiotherapy patients. *Journal of Clinical Oncology*, Epub January 13, 2014.

Lehrer S, **Green S**, Ramanathan L, Rosenzweig K. Insufficient sleep associated with increased breast cancer mortality. *Sleep Medicine*, Epub March 4, 2013.

Lehrer S, **Green S**, Ramanathan L, Rosenzweig K. Obesity and deranged sleep are independently associated with increased cancer mortality in 50 US states and the District of Columbia. *Sleep Breath, International Journal of the Science and Practice of Sleep Medicine*. Epub February 7, 2013.

McCormick P, Osborn I, Germano I, **Green S** and Deiner S. Scalp nerve blockade reduces pain after headframe placement in radiosurgery: a double blind, randomized, single institution clinical trial. *Middle East Journal of Anesthesia*, accepted for publication January 2013.

Schnur JB, Graff Zivin J, Mattson DMK, **Green S**, Jandorf LH, Wernicke AG, Montgomery GH. Acute skin toxicity-related, out-of-pocket expenses in patients with breast cancer treated with external beam radiotherapy: A descriptive, exploratory study. *Supportive care in Cancer*, Mar 2012 [Epub ahead of print].

Lehrer S, LaBombardi V, **Green S**, Pessin-Minsley M, Germano I and Rosenzweig K. No circulating cytomegalovirus in five patients with glioblastoma multiforme. *Anticancer Research* 31:959-960, 2011.

Lehrer S, **Green S**, Pessin-Minsley MS. Obesity may protect against brain tumors. *Med Hypotheses* Aug;77(2):308. Epub May 11, 2011.

Lehrer S, **Green S**, Stock RG. Association between number of cell phone contracts and brain tumor incidence in nineteen U.S. States. *J Neurooncol* 101(3):505-507, 2011.

Schnur JB, Love B, Scheckner BL, **Green S**, Wernicke AG, Montgomery GH. A systematic review of patient-rated measures of radiodermatitis in breast cancer radiotherapy. *American Journal of Clinical Oncology*, Oct; 34(5):529-536, 2011.

Schnur JB, Ouellette SC, DiLorenzo TA, **Green S**, Montgomery GH. Qualitative analysis of acute skin toxicity among breast cancer radiotherapy patients. *Psycho-Oncology*, Mar;20 (3):260-268, 2011.

Montgomery GH, Kangas M, David D, Hallquist MN, **Green S**, Bovbjerg DH & Schnur JB. Fatigue during breast cancer radiotherapy: An initial randomized study of CBT plus hypnosis. *Health Psychology*, 28, 317-322, 2009.

Schnur JB, David K, Kangas M, **Green S**, Bovbjerg DH, Montgomery GH. A randomized trial of a cognitive-behavioral therapy and hypnosis intervention on positive and negative affect during breast cancer radiotherapy. *Journal of Clinical Psychology*, 65, 443-455, 2009.

Ho AY, Atencio DP, Peters S, Stock RG, Formenti SC, Cesaretti JA, **Green S**, Haffty B, Drumea K, Leitzin L, Kuten A, Azria D, Ozahin M, Overgaard J, Andreassen CN, Trop CS, Park J, Rosenstein BS. Genetic predictors of adverse radiotherapy effects: the gene-PARE project. *Int J Radiat Oncol Phys*, Jul;65(3):646-55, 2006.

Green S, Shank B, Haffty B, Halberg F, Mitchell S, Rabinovitch R, Solin L, Strom E, Taylor M, White J, Bobleigh M, Edge S, Mauch P. Local regional recurrence (LR) and salvage surgery-breast cancer. *ACR Appropriateness Criteria*, July 2006.

Andreassen CN, Overgaard J, Alsner J, Overgaard M, Herskind C, Cesaretti JA, Atencio DP, **Green S**, Formenti SC, Stock RG, Rosenstein BS. ATM sequence variants and risk of radiation –induced subcutaneous fibrosis after postmastectomy radiotherapy. *Int J Radiat Oncol Biol Phys*, Mar 16(3);776083, Epub2005 Dec 9, 2006.

Cesaretti JA, Stock RG, Lehrer S, Atencio DP, Bernstein JL, Stone NN, Wallenstein S, **Green S**, Loeb K, Kollmeier M, Smith M, Rosenstein BS. ATM sequence variants are predictive of adverse radiotherapy response among patients treated for prostate cancer. *Int J Radiat Oncol Biol Phys*, Jan 1;61(1):196-202, 2005.

Iannuzzi CM, Atencio DP, **Green S**, Stock RG: Rosenstein BS: ATM heterozygosity and increased radiation induced late morbidity after treatment for breast cancer. *International Journal of Radiation Oncology, Biology, Physics*, Vol 52, No.3, pp 606-613, 2003.

Iannuzzi CM, Atencio DP, **Green S**, Stock, RG, Rosenstein BS. ATM mutation in female breast cancer patients predict for an increased in radiation-induced late effects. *Int J Radiat Oncol Biol Phys*, Mar 1;52(3):606-13, 2002.

Atencio DP, Iannuzzi C, **Green S**, Stock, RG, Bernstein J and Rosenstein B. Screening breast cancer patients for ATM mutations and polymorphisms by using denaturing high-performance liquid chromatography. *Environmental and molecular mutagenesis* 38:200-208, 2001.

Drumea KV, Levine E, Bernstein J, Shank B, **Green S**, Mandell L, Cropley J, Obropta J, Braccia I, Krupnik A and Rosenstein B. ATM mutations using a non-isotopic RNase Cleavage-based assay. *Breast Cancer Research and Treatment* 61:79-85, 2000.

Green S, Stock RG and Greenstein AJ. Rectal cancer and inflammatory bowel disease: natural history and implications for radiation therapy. *International Journal of Radiation Oncology, Biology, Physics*, 44 (4), 835-840, 1999.

Green S, Som PM and Lavagnini PG.: Bilateral orbital metastases from prostate carcinoma: Case presentation and CT findings. *American Journal of Neuroradiology* ;16:417-419, 1995.

Invited Contributions

Carpenter T and **Green S**. Radiation and re-irradiation for glioblastoma. *Glioblastoma Multiforme: Symptoms, Diagnosis, Therapeutic Management and Outcome*. Nova Science. 2016.

Lehrer S, **Green S**, Ramanathan L, Rosenzweig K and Rendo A. Virology of malignant brain tumors. *European Association of NeuroOncology Magazine* 2013; 3 (1) 23-24.

Binello E, **Green S**, Germano IM. Radiosurgery for high grade glioma. *Surg Neurol Int* 2012;3: 118-26.

Bralow SP and **Green S**.: Forewarned is forearmed: Some colorectal cancer is hereditary. *Contemporary Gastroenterology*. September/October, 57-62, 1990.

Books and Chapter in Books

Germano IM, **Green S** and Post KD. Stereotactic Radiosurgery for Pituitary Adenomas. *American College of Endocrinology Self Assessment Program (ASAP)*, 2011.

Green S, Stock RG. “Vaginal Cancer” in *Textbook of Radiation Oncology*. Leibel S, Phillips T (third edition), 2010.

Post K, Germano IM and **Green S**. Stereotactic Radiosurgery for Pituitary Adenomas. American College of Endocrinology Self Assessment Program (ASAP), 2010.

Germano IM, **Green S**, and Post KD. Stereotactic Radiosurgery for Pituitary Adenomas. New York Endocrine Society Syllabus. April 2006.

Stock RG, **Green S**. “Vaginal Cancer” in Textbook of Radiation Oncology. Leibel S, Phillips T (second edition), 2004.

Non-Peer Reviewed Publications

Lehrer S, **Green S** and Rosenzweig K. Risk of malignant brain tumor as a second primary is significantly reduced after treatment of breast cancer. Letter to the editor. Breast J. 2017. In press.

Lehrer S, **Green S**, Ramanathan L, Rosenzweig K. Earlier puberty in boys and rising prostate cancer incidence – letter. Pediatrics, November 1, 2012.

Lehrer S and **Green S**. Coronary artery disease in REDUCE – letter. Cancer Epidemiol Biomarkers Prev, Jul; 21 (7):1226. Epub May 9, 2012.

INVITED LECTURES/PRESENTATIONS

Presentations at national/international meetings

Resende Salgado L, Cohen A, Germano IM, Tseng TC, Lin JY, Moshier E, Buckstein M, Bakst R and **Green S**. Biologic subtypes as a predictor of local control of breast cancer brain metastases after stereotactic radiosurgery. Accepted for presentation at ASTRO 60th Annual Meeting, San Antonio, September 2018. Poster presentation.

Starrs, C., Skubish, S., **Green, S.**, Schnur, J.B. Individualized Care for Patient Survivors of Abuse. Accepted for presentation at the 2018 American Society for Radiologic Technologists 42nd Annual Radiation Therapy Conference. San Antonio, September 2018. Presenters: Clodagh Starrs, RT (T) & Samantha Skubish, MS, RT(R)(T).

Dumane V, **Green S** and Lo YC. Combination of volumetric modulated arc therapy (VMAT) and partially wide tangents (PWT) for improved sparing of ipsilateral lung and heart compared to VMAT or PWT alone. ASTRO 59th Annual Meeting, San Diego, September 2017. Poster presentation.

Ohri N, Ho A, **Green S**, Rhome R, Tsai CJ. Postmastectomy radiation in breast cancer patients with pathologically positive lymph nodes after neoadjuvant chemotherapy: An analysis of treatment and survival trends from the National Cancer database. ASTRO 58th Annual Meeting, Boston, September 2016. Oral presentation.

Dumane V, Bakst R and **Green S**. Dose to organs in the supraclavicular region when covering the internal mammary nodes (IMN's) in breast cancer patients: A comparison of VMAT versus 3D and VMAT. Radiologic Society of North America (RSNA) Annual Meeting, Chicago, December 2015. Poster presentation.

Knoll M, Blacksborg S, Germano IM, Maloney-Lutz K, Lo YC and **Green S**. Stereotactic radiosurgery boost to the surgical cavity after surgical resection of renal cell carcinoma (RCC) or melanoma metastasis. Radiological Society of North America (RSNA) Annual Meeting, Chicago, December 2014. Oral presentation.

Blacksburg SR, Ghafar R, **Green S** and Sheu R. Operations management in radiation oncology: Identifying workflow parameters that portend for simulation delay. ASTRO 56th Annual Meeting, San Francisco, September 2014. Poster presentation.

Rhyme R, Germano IM, Blacksborg SR, Maloney Lutz K, Lo YC and **Green S**. Long term outcomes and toxicities of growth-hormone (somatotroph) – secreting pituitary macroadenoma treated with adjuvant fractionated stereotactic radiation therapy (FSRT). ASTRO 56th Annual Meeting, San Francisco, September 2014. Poster presentation.

Knoll M, Dumane V, Steinberger E, **Green S** and Bakst R. Dose to organs at risk (OAR) when covering the internal mammary nodes in breast cancer patients: A quantitative comparison of VMAT, partially-wide tangents (PWT) and photon-electron (P-E). ASTRO 56th Annual Meeting, San Francisco, September 2014. Poster presentation.

Dumane V, **Green S**, Knoll M, Bakst R, Sheu R and Lo Y. A technique to reduce low dose in regional nodal radiation with VMAT for breast cancer. Joint Workshop for Technology for Innovation in Radiation Oncology, June 2013.

Green S. Out-of-pocket spending, dermatologic quality of life, and treatment satisfaction in breast cancer radiotherapy patients. Accepted for presentation at the San Antonio Breast Cancer Symposium, San Antonio, Texas, December 10, 2013.

Blacksburg SR, Ghafar R, **Green S**, Dumane VA and Rosenzweig KE. Characterizing the adoption of automated, decision-based electronic checklists in a busy academic practice. 55th American Society for Radiation Oncology Annual Meeting, Atlanta, Georgia, September 22-25, 2013. Poster presentation.

Blacksburg SR, Ghafar R, **Green S**, Dumane VA and Rosenzweig KE. Improving the quality and composition of electronic documentation in a highly utilized electronic medical record. 55th American Society for Radiation Oncology Annual Meeting, Atlanta, Georgia, September 22-25, 2013. Poster presentation.

Carai A, **Green S**, Delman B. Tumor Volume increase after stereotactic radiosurgery for vestibular schwannoma: expective radiographic finding or exception? 52nd American Society for Radiation Oncology Annual Meeting. San Diego, California, November 2010.

Green S, Schnur J, Love B, Scheckner B, Erlich J, Montgomery G.. Physician versus self report: Fatigue and Skin Toxicity during Breast Radiotherapy. 52nd American Society for Radiation Oncology Annual Meeting. San Diego, California, November 2010.

Snyder KM, **Green S**, Lo Y, Maloney-Lutz K, Post KP, Germano IM. Stereotactic fractionated radiation therapy in the treatment of growth hormone secreting pituitary adenomas. Radiology Society of North America (RSNA) Annual Meeting, Chicago, November 29 – December 4, 2009. Platform presentation.

Lo Y, Xiang H, Sheu R, Svoboda A, Dumane V, Germano IM . **Green S**. Accuracy of Exactrac image fusion depends on lesion location and fusion parameter settings. American Society for Therapeutic Radiology and Oncology (ASTRO), Chicago, November 1-5, 2009. Poster presentation.

Binello E, **Green S**, Maloney-Lutz, K, Lo Y, Sheu R, Germano IM. Stereotactic Radiosurgery for spinal liver metastases. Congress of neurological Surgeons (CNS) Annual Meeting, New Orleans, October 24-29, 2009 E-poster.

Lo Y, Asch C, Arrigo J, Germano IM, Stock RG, **Green S**. Evaluation of setup errors for mobile tumors and stereotactic radiation therapy in IGRT. 3rd International Novalis Meeting, Kyoto, Japan, May 28-30, 2006. Platform presentation.

Fan G, Burri R, Racska M, **Green S**, Formenti SC, Kuten A, Ozahin M, Haffty BG, Stock RG, Rosenstein BS.: Genetic Variants as Predictors of Late Adverse Radiotherapy Effects in Breast Cancer Patients. Oral presentation ESTRO, October 2006.

Green S, Stock RG, and Greenstein AJ.: Rectal Cancer and Inflammatory Bowel Disease: Natural History and Implications for Radiation Therapy. Poster presentation, ASTRO, Miami, October 1995.

Local/Regional Meetings

Green S. Principles of Radiation therapy in Adjuvant Breast Cancer. Mount Sinai Breast Surgery Fellow Training Program. March 17, 2017.

Green S. Principles of Radiation therapy in Adjuvant Breast Cancer. Mount Sinai Medical Oncology Fellow Training Program. August 12, 2016.

Green S. Principles of Radiation therapy in Adjuvant Breast Cancer. Mount Sinai Medical Oncology Fellow Training Program. October, 2015.

Green S. Principles of Radiation therapy in Adjuvant Breast Cancer. Mount Sinai Medical Oncology Fellow Training Program. October 31, 2014.

Green S. Principles of Radiation Therapy in Adjuvant Breast Cancer. Mount Sinai Medical Oncology Fellow Training Program. March 27, 2014.

Green S. Radiation oncology for the breast radiologist: 2013 update. Mount Sinai Breast Imaging Course, New York, October 14-16, 2013.

Green S. Fact vs. Fiction – moderated panel discussion with breast cancer specialists. The Dubin Breast Center, New York, September 30, 2013.

Green S. Brain metastases in patients with breast cancer – Update in diagnostic and treatment modalities. Grand Rounds Presentation. Department of Radiation Oncology, UMDNJ/RWJMS Cancer Institute of New Jersey, September 10, 2013.

Green S. Best of ASTRO 2011. Multidisciplinary Breast Conference, Dubin Breast Center. New York, December 2011.

Green S. Update on the role of radiation therapy in the management of brain (benign and malignant) and spinal tumors. Brain Tumor Interest Group, Mount Sinai Medical Center, March 2011.

Green S and Forsythe K. Outcomes of breast conserving therapy versus mastectomy in patients with early stage and locally advanced carcinoma of the breast. Multidisciplinary Breast Conference, Mount Sinai Medical Center, May 2010.

Green S and Snyder K. Low risk intraductal carcinoma – is there a role for radiation therapy? Multidisciplinary Breast Conference, Mount Sinai Medical Center, January 2010.

Green S. Stereotactic radiosurgery for brain and spine metastases. Faculty, “Advanced techniques in image-guided brain and spine surgery”. The Mount Sinai School of Medicine, New York, December 2008.

Green S and Peters C. Radiation therapy in the management of ductal carcinoma in situ. Multidisciplinary Breast Conference, Mount Sinai Medical Center, October 2008.

Green S and Solan A. Breast cancer in women previously treated for Hodgkin’s Disease. Multidisciplinary Breast Conference, Mount Sinai Medical Center, July 2008.

Green S and Snyder K. Postmastectomy radiation therapy. Multidisciplinary Breast Conference, Mount Sinai Medical Center, April 2008.

Green S. Management of primary and metastatic brain tumors. Faculty, “Neurosurgery for the non-neurosurgeon”. The Mount Sinai School of Medicine, New York, January 2008.

Green S. The role of stereotactic radiosurgery in the management of primary and metastatic brain tumors. Faculty, “Advanced techniques in image-guided brain and spine surgery”. The Mount Sinai School of Medicine, New York, December, 2007.

Green S. Management of primary and metastatic brain tumors. Neurosurgery for Primary Care providers, Mount Sinai School of Medicine, New York, NY, January 26, 2007.

Green S. Stereotactic radiosurgery for brain metastases. Faculty, “Advanced techniques in image-guided brain and spine surgery”. The Mount Sinai School of Medicine, New York, December 2006.

Green S. Management of primary and metastatic brain tumors. Faculty, “Neurosurgery for primary care providers”. The Mount Sinai School of Medicine, New York, January 2006.

Green S and Cesaretti J. Radiation therapy for brain tumors – primary and metastatic. Medical Oncology Fellowship Training Program. The Mount Sinai School of Medicine, New York, November 2005.

Green S. Role of radiation therapy in the management of locally advanced breast cancer. Medical Oncology Fellowship Training Program, The Mount Sinai School of Medicine, New York, October 2004.

Green S. The role of radiation therapy in the management of early stage breast cancer. Medical Oncology Fellowship Training Program, The Mount Sinai School of Medicine, New York, November 2003.

Green S. Coronary brachytherapy Complex Coronary Case Symposium. Mount Sinai School of Medicine, New York, 1999.

Green S and Bralow SP.: Physician Based Smoking Cessation Counseling - abstract. Oral presentation at the Pennsylvania Public Health Association Conference, April 1991.

Elder C, **Green S**, and Bralow SP.: An African-American Smoking Reduction Program. abstract. Oral presentation at the Pennsylvania Health Educators’ Institute Conference, March 1991.

Green S, Elder C. and Bralow SP.: Physician Based Smoking Cessation Counseling in an Urban Medical Clinic. - abstract. Oral presentation given at the National Minority Health Conference, Baltimore, MD, October 1990.

Green S. Smoking and the Importance of Cessation. Grand Rounds, Department of Internal Medicine, The Graduate Hospital, Philadelphia PA, June 1989.

MEDIA RESOURCE EDUCATIONAL MATERIALS

Created a *video to introduce patients to the radiation treatment experience*. Developed in conjunction with Julie Schnur, Ph.D and Guy Montgomery, Ph.D and Robert Ghafar (Technical Administrator, Department of Radiation Oncology). This will be implemented for use in January 2014. A screening questionnaire has also been developed for completion after viewing the video to assess for psychological triggers which may render the treatment process more challenging for the patient. Produced July- September 2013. This will be used for patients undergoing treatment for breast cancer and in 2014 will be expanded to be used for all patients who are to undergo radiation treatment.

Created *patient education materials for breast cancer patients undergoing radiation therapy* – developed in conjunction with the Dubin Breast Center.

Developed *educational brochure for patients undergoing stereotactic radiosurgery for benign and malignant brain lesions* – 2005 and updated 2009.

Developed *educational brochure for patients undergoing stereotactic radiosurgery for metastatic lesions to the spine* – 2009.

Developed a *DVD for patients planning to undergo stereotactic radiosurgery* for benign or malignant brain lesions. Developed in conjunction with Isabelle Germano, M.D. (Co-Director of the Stereotactic Radiosurgery program) - 2006.

Teaching brochure created for patients undergoing high dose rate brachytherapy to the vaginal cuff – 2002.

Revised patient *teaching materials for patients undergoing total body irradiation (TBI)* in preparation for bone marrow transplant – 1998.

ABSTRACTS

Darbinyan A, McBride RB, Rhome R, Najfed V, **Green S**, Germano I and Fowkes M. Alterations of chromosome 1 and 19 in glial tumors. American Association of Neuropathologist Annual Meeting, Baltimore, June 2016.

Dumane V, Bakst R and **Green S**. Dose to organs in the supraclavicular region when covering internal mammary nodes (IMN) in breast cancer patients: A comparison of VMAT versus 3-D and VMAT. RSAN 101st Scientific Assembly and Annual Meeting, Chicago, December 2015.

Knoll M, Oermann E, Yang A, **Green S**, Collins B, Collins S, Ewend M and Kondziolka D. Number of brain metastases treated with radiosurgery is not associated with long-term survival. ASTRO 57th Annual Meeting, San Antonio, October 2015.

Schnur JB, **Green S**, Dillon M, Ghafar R, Starrs C, Boone L, Goldsmith R and Montgomery GH. Feasibility of a sensitivity practice tool for breast cancer radiotherapy. 2015 World Congress of Psycho-Oncology and Psychosocial Academy Workshops, Washington DC, July 2015.

Germano IM, Carai A, Blacksborg S, Pawha, P, Lo YC and **Green S**. Clinical outcome of vertebral compression fracture after single fraction spine radiosurgery for spinal metastases. American Society of Clinical Oncology (ASCO) Annual Meeting, Chicago IL, June 2015.

Blacksburg SR, Ghafar R, **Green S** and Sheu R. Operations management in radiation oncology: Identifying workflow parameters that portend for simulation delay. ASTRO 56th Annual Meeting, San Francisco, September 2014.

Dumane V, **Green S**, Knoll M, Bakst R, Sheu R and Lo Y. A technique to reduce low dose in regional nodal radiation with VMAT for breast cancer. Joint Workshop for Technology for Innovation in Radiation Oncology, June 2013.

Lehrer S and **Green S**. Significant association between deaths from prostate cancer and heart disease in 50 US states and the District of Columbia. Cancer Epidemiology Biomarkers and Prevention. Epub May 9, 2012.

Lehrer S, **Green S**, Ramanathan L, Rosenzweig K and Labombardi V. No consistent relationship of glioblastoma incidence and cytomegalovirus seropositivity in whites, blacks and hispanics. Anticancer Res. 32(3):1113-5, 2012.

Lo Y, Sheu R, **Green S**, and Germano I. A Standardized 11 Field Treatment Plan for Radiosurgery to Spinal Lesions. Med. Phys. 38, 3697, 2011.

Lo Y, **Green S**. Image Fusion Reduces Errors for Mobile Tumors and Stereotactic Radiotherapy in IGRT. AAPM 48th Annual Meeting, July, 2006.

Green S., and Bralow SP. Physician Based Smoking Cessation Counseling - abstract. Oral presentation at the Pennsylvania Public Health Association Conference, April 1991.

Elder C, **Green S**, and Bralow SP. An African-American Smoking Reduction Program. abstract. Oral presentation at the Pennsylvania Health Educators' Institute Conference, March 1991.

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