**CURRICULUM VITAE**

**Date of Revision:** February 18, 2016

**Name:** Susan A. Higgins, M.D., M.S.

**Education:**

B.S. Biochemistry, Cum Laude, 1983

University of Rochester, College of Arts and Sciences

Rochester, NY

M.S. Environmental Oncology, 1986

Sackler Institute of Biomedical Sciences

New York University, NY, NY

M.D. University of Rochester School of Medicine and Dentistry, 1990

Rochester, NY

**Career/Academic Appointments:**

1990-1991 Intern, Department of Internal Medicine

St. Mary's Hospital, Rochester, NY

1991-1993 Resident, Department of Therapeutic Radiology

Yale University School of Medicine/Yale-New Haven Hospital

New Haven, CT

1993-1994 Chief Resident, Department of Therapeutic Radiology

Yale University School of Medicine/Yale-New Haven Hospital

New Haven, CT

1994-1996 Attending, Department of Radiation Oncology

Vassar Brother’s Hospital

Poughkeepsie, NY

1996-1997 Instructor, Department of Therapeutic Radiology

Yale University School of Medicine

New Haven, CT

1996-present Attending, Department of Therapeutic Radiology

Lawrence and Memorial Hospital

New London, CT

1996- 2014 Attending, Department of Therapeutic Radiology

W.W. Backus Hospital

Norwich, CT

1997-2003 Assistant Professor, Department of Therapeutic Radiology

Yale University School of Medicine/Yale-New Haven Hospital

New Haven, CT

2003 Associate Professor, Department of Therapeutic Radiology

Yale University School of Medicine/Yale-New Haven Hospital

New Haven, CT

2004-present Attending, Department of Therapeutic Radiology

Shoreline Medical Center

Guilford, CT

2013- present Professor, Department of Therapeutic Radiology

Yale University School of Medicine/Yale-New Haven Hospital

New Haven, CT

2013- present Professor

Division of Obstetrics, Gynecology and Reproductive Sciences

Yale University School of Medicine/Yale-New Haven Hospital

New Haven, CT

**Administrative Positions:**

2012-present Director, Medical Student Elective

Department of Therapeutic Radiology

Yale University School of Medicine/Yale-New Haven Hospital

New Haven, CT

2004-present Associate Director, Residency Training Program

Department of Therapeutic Radiology

Yale University School of Medicine/Yale-New Haven Hospital

New Haven, CT

2000-present Member, Radiation Research and Safety Committee

Yale New Haven Hospital

New Haven, CT

**Board Certification:**

American Board of Radiology, Certificate in Radiation Oncology, 1995

American Board of Radiology, Maintenance of Certification in Radiation Oncology, 2004

American Board of Radiology, Maintenance of Certification in Radiation Oncology, 2014

**Professional Society Memberships:**

American Society for Therapeutic Radiology and Oncology

American College of Radiology

American Medical Association

**Professional Honors and Recognition**

**International/National/Regional**

2015- present Member, National Comprehensive Cancer Network (NCCN) Non- melanomatous Skin Cancer Guidelines Panel

2014- present Member, National Comprehensive Cancer Network (NCCN) Guidelines Steering Committee

2014- present Member, National Comprehensive Cancer Network (NCCN) Cervical and Uterine Cancer Guidelines Panel

2014- present Member, National Comprehensive Cancer Network (NCCN) Vulvar Cancer Guidelines Panel

2012 ASTRO Faculty – 52nd Annual Meeting of the American Society of Therapeutic Radiation Oncology, San Diego, California, October 31-November 4, 2010.

2012 “America’s Top Doctors”, Castle Connolly Medical Ltd, US News & World Report.

2010 Member, ASTRO Faculty – 52nd Annual Meeting of the American Society of Therapeutic Radiation Oncology, San Diego, California, October 31-November 4, 2010.

1) Co-Moderator and Director - Panel: “Enhancing Safety Culture in Radiation Oncology”

2) Appointed Member - Annual Meeting and Scientific Program Committee

3) Appointed Member – Educational Committee of the Educational Council.

2010 Co-Moderator and Director -

Panel: “Enhancing Safety Culture in Radiation Oncology”

52nd Annual Meeting of the American Society of Therapeutic Radiation Oncology, San Diego, California, October 31-November 4, 2010.

2009 Co-Chair - Breast Cancer Consortium of Connecticut (BCCC) – Statewide Consortium funded by the Connecticut Clinical Oncology Trials Network, founded by Lyndsay Harris, M.D., Associate Professor, Division of Medical Oncology, Yale University School of Medicine.

1998 Member, American Cancer Society Workshop

“Treatment of the Axilla with Surgery and Radiation: Pre- and Post Operative Risk Assessment”, New York, NY.

**University**

1993-1994 Chief Resident, Department of Therapeutic Radiology

Yale University School of Medicine/Yale-New Haven Hospital

New Haven, CT

1991 Best Intern Award, St. Mary’s Hospital, Rochester, NY.

**American Board of Radiology (ABR)**

2007 Oral Board Examiner, Gynecology Section

2006 Item Writer – Maintenance of Certification Examination

2006 Oral Board Examiner, Gynecology Section

**Departmental**

2012-present Director, Medical Student Elective

Department of Therapeutic Radiology

Yale University School of Medicine/Yale-New Haven Hospital

New Haven, CT

2004-present Associate Director, Residency Training Program

Department of Therapeutic Radiology

Yale University School of Medicine/Yale-New Haven Hospital

New Haven, CT

2001-2015 Clinical Director, Gynecologic Oncology Service

Department of Therapeutic Radiology

Yale University School of Medicine/Yale-New Haven Hospital

New Haven, CT

**Grant/ Clinical Trials History:**

**Current Clinical Trials**

I.D.# Protocol Concept #: SC0612RT002

Title: “Pilot Study of KD018 (PHY906) with Neo-Adjuvant Concurrent Chemo-Radiation Therapy in Patients with Locally Advanced Rectal Cancer”

P.I.: Susan A. Higgins, M.D., M.S.

Project Period: 3/1/14- Present

**Past Grants**

Agency: Yale School of Public Health - Brozman Foundation Ovarian Cancer Grant

Title: “A Novel Approach to Ameliorating Early and Late GI Toxicities Produced by Therapy in Patients With Ovarian Carcinoma: Essential Preclinical Safety Studies”

P.I.: Sara Rockwell, Ph.D.

Total costs: $ 25,000

Project period: 12/1/12-11/30/13

Agency: Yale Cancer Center Pilot Grant

ID#: HIC # 1004006675

Title: “Evaluation and Treatment of Subclinical Lymphedema in Patients Undergoing Treatment for Breast Cancer”

P.I.: Susan A. Higgins, M.D., M.S.

Total costs: $25,000

Project period: 12/1/10-11/30/11

Agency: Kalimeris Research Fund, Department of Therapeutic Radiology, Yale University School of Medicine

Title: “Detection of Subclinical Lymphedema in Patients Undergoing Treatment for Breast Cancer”

P.I. Susan A. Higgins, M.D., M.S.

Total direct costs: $4000

Dates: 2/1/11 -3/1/12

Agency: Connecticut Clinical Oncology Trials Network

Title: Breast Cancer Consortium of Connecticut (BCCC)

P.I. Lyndsay Harris, M.D.

Total direct costs: NA

Percent effort: 2%

Dates: 7/01/09 – 6/30/11

Agency: Connecticut Clinical Oncology Trials Network Grant

Title: “Surveillance and Intervention for Subclinical Upper Extremity Lymphedema in Patients with Breast Cancer”

P.I.: Susan A. Higgins, M.D., M.S.

Total costs: $16,000

Project period: 7/1/08 – 12/31/09

Agency: Swebelius Foundation

Title: “PHY906 as a Potential Adjunct to Pelvic Radiotherapy”

P.I. Sara Rockwell, Ph.D.

Total direct costs: NA

Percent effort: 1%

Dates:05/01/08 – 05/30/09

Agency: Susan G. Komen Breast Cancer Foundation

ID#: BCT RO503838

Title: “Interactions of Black Cohosh Extracts With Doxorubicin: Possible Mechanisms”

P.I.: Sara Rockwell, Ph.D.

Total direct costs: $96,569

Percent effort: 2%

Dates: 5/01/2005-4/30/2007

Agency: National Institutes of Health

ID#: NIH R21 CA108242-01A1

Title: “Interactions of Black Cohosh With Cancer Therapy”

P.I.: Sara Rockwell, Ph.D.

Total direct costs: $135,000

Percent effort: 2%

Dates: 8/01/04-7/31/06

Agency: Yale Cancer Center

Yale Cancer Center Pilot Research Grant

Title: “Effect of Black Cohosh on the Response of Breast Cancers in Mice to Adriamycin: Pilot Studies”

P.I.: Susan A. Higgins, M.D., M.S.

Total direct cost: $25,000

Percent effort: 1%

Dates: 7/01/03-6/30/04

Agency:                      The Ethel F. Donaghue Women’s Health Investigator Program

Title: “Interactions of Black Cohosh with Breast Cancer Therapy”

P.I.:    Sara Rockwell, Ph.D.

Total direct costs:      $24,899

Percent effort:             1 %

Dates:                        7/1/2001- 6/30/2003

Agency:                       The Anna & Argull Hull/Yale Cancer Center

Translational Research Award in Cancer

Title: “New Approaches for Breast Cancer Screening in a High-Risk Population”

P.I.:    Bonnie L. King, Ph.D.

Total direct costs:        $50,000

Percent effort:           1%

Dates:                          7/1/2002- 6/30/2003

**Past Clinical Trials**

I.D.# HIC# 1110009173

Title: “A Pilot Study of Four-Dimensional Conformal Image Guided Accelerated Partial Breast Irradiation in the Treatment of Stage 0 and I Breast Carcinoma”

P.I.: Suzanne B. Evans, M.D.

Role: Investigator

Project Period: 04/9/12

I.D.# HIC# 0805003789

Title: “An Investigation of the Role of microRNA Binding Site SNPs in Cancer Predisposition”

P.I.: Joanne B. Weidhaas

Role: Investigator

Project Period: 7/25/2008

ID#: HIC# 0601000957

Title: “A Phase II Trial of Mammosite Breast Brachytherapy Optimization in the Treatment of Stage 0, I, and II Breast Carcinoma”

P.I.: Joanne B. Weidhaas, M.D., Ph.D.

Role: Investigator

Project Period: 05/09/06

ID#: HIC# 0505027735

Title: “NSABP B-39/ RTOG 0413: A Randomized Phase III Study of

Conventional Whole Breast Irradiation (WBI) versus Partial Breast Irradiation (PBI) for Women with Stage 0, I or II Breast Carcinoma”

P.I.: Joanne B. Weidhaas, M.D., Ph.D.

Role: Investigator

Project Period: 06/24/05

I.D.# HIC# 27493

Title: “GOG #0205: A Phase II Trial of Radiation Therapy and Weekly Cisplantin Chemotherapy for the Treatment of Vulvar Carcinoma”

P.I.: Susan A. Higgins, M.D., M.S.

Project Period: 08/01/05-07/31/08

ID# HIC# - NA

Title: “Randomized Trial of Mitomycin C as an Adjunct to Radiotherapy in the Treatment of Locally Advanced Squamous Cell Cancer of the Cervix”

PI: Kenneth B Roberts, M.D.

Role: Co-Investigator

Project Period: 10/1/00 – 7/05

**Invited Speaking Engagements, Presentations, Symposia & Workshops**

“Contemporary Management of Cervical Cancer”, Annual Meeting of the New England Society of Radiation Therapists, Uncasville, CT, 3/20/10.

“Herbal Medicines and Oncologic Therapies – Recent Developments and Future Opportunities”, Robert Wood Johnson Medical School/Cancer Institute of New Jersey Radiation Oncology Grand Rounds Lecture Series, New Brunswick, NJ, 10/2/07.

“The Role of Radiation Therapy in the Management of Cervical Cancer-  
Past, Present, and Future” Annual Meeting of the New England Society of Radiation Therapists, Portland, Maine, 5/6/2006.

“Complementary and Alternative Medicine”, The New England Society of Radiologic Technologists, Hyannis, MA, 3/29/03.

“The Role of Radiation Therapy in Treatment of Gynecologic Malignancies - An Evolutionary Perspective”, Oncology Grand Rounds, Cape Cod, Hyannis, MA, 4/28/00. (sponsored by an educational grant from Bristol Meyers Squibb Oncology.)

“Post-Mastectomy Radiation Therapy,” Annual Spring Education Symposium, Physician Staff, Lawrence and Memorial Hospital, New London, CT, 4/08/98.

“The Role of Radiation Therapy in the Treatment of Lung Cancer,” Nursing Staff, Lawrence and Memorial Hospital, New London, CT, 1/12/98.

“The Role of Radiation Therapy in the Management of Breast Cancer,” Symposium: “Options for Living Well With Breast Cancer”, The Women’s Health Center of Kingston Hospital, Kingston, NY, 5/5/96.

“State of the Art Treatment for Prostate Cancer - Interstitial Implants, Strontium Therapy, and Palliative Care,” CAP Support Group of Kingston, NY, Ulster Radiation Oncology Center, Kingston, NY, 3/19/96.

“State of the Art Treatment for Prostate Cancer - External Beam Radiation Therapy,” CAP Support Group of Kingston, NY, Ulster Radiation Oncology Center, Kingston, NY, 2/20/96.

**Professional Service**

**Peer-Review Journal Service**

2012-Present Manuscript Reviewer – Gynecologic Oncology

2011-Present Manuscript Reviewer – Practical Radiation Oncology

2010 Manuscript Reviewer – International Journal of Surgical Oncology

2006 Manuscript Reviewer – Academic Medicine

2004-Present Manuscript Reviewer – Int. Journal of Radiation Oncology, Biology and Physics

**Professional Organizations**

**American Society of Therapeutic Radiation Oncology (ASTRO)**

2015 Abstract Reviewer. Category: Gynecologic Malignancies.

57th Annual Meeting of the American Society of Therapeutic Radiation Oncology (ASTRO), San Antonio, Texas, October 18-21, 2015.

2015 Discussant, ePoster Session PD 13. Category: Gynecologic Malignancies.

57th Annual Meeting of the American Society of Therapeutic Radiation Oncology (ASTRO), San Antonio, Texas, October 18-21, 2015

2014 Abstract Reviewer. Category: Gynecologic Malignancies.

56th Annual Meeting of the American Society of Therapeutic Radiation Oncology (ASTRO), San Francisco, California, September 14-17, 2014.

2013 Member, Annual Meeting and Scientific Program Committee.

55th Annual Meeting of the American Society of Therapeutic Radiation Oncology (ASTRO), Atlanta, Georgia, September 22-25, 2013.

2013 Member, Educational Committee of the Educational Council.

55th Annual Meeting of the American Society of Therapeutic Radiation Oncology (ASTRO), Atlanta, Georgia, September 22-25, 2013.

2013 Abstract Reviewer. Category: Gynecologic Malignancies.

55th Annual Meeting of the American Society of Therapeutic Radiation Oncology (ASTRO), Atlanta, Georgia, September 22-25, 2013.

2012 Member, Annual Meeting and Scientific Program Committee.

54th Annual Meeting of the American Society of Therapeutic Radiation Oncology (ASTRO), Boston, Massachusetts, October 28-31, 2012.

2012 Member, Educational Committee of the Educational Council.

54th Annual Meeting of the American Society of Therapeutic Radiation Oncology (ASTRO), Boston, Massachusetts, October 28-31, 2012.

2011-Present Member, ASTRO Journal CME Task Force

2011 Member, Annual Meeting and Scientific Program Committee, Education Council, 53rd Annual Meeting of the American Society of Therapeutic Radiation Oncology, Miami Beach, Florida, October 2-6, 2011.

2011 Member, Educational Committee of the Educational Council.

53rd Annual Meeting of the American Society of Therapeutic Radiation Oncology, Miami Beach, Florida, October 2-6, 2011.

2011 Member, Annual Meeting Subgroup – Breast and Gynecologic Panel Selection. 53rd Annual Meeting of the American Society of Therapeutic Radiation Oncology, Miami Beach, Florida, October 2-6, 2011.

2011 Abstract Reviewer. Category: Gynecologic Malignancies.

53rd Annual Meeting of the American Society of Therapeutic Radiation Oncology, Miami Beach, Florida, October 2-6, 2011.

2010 Co-Moderator and Director -

Panel: “Enhancing Safety Culture in Radiation Oncology”

52nd Annual Meeting of the American Society of Therapeutic Radiation Oncology, San Diego, California, October 31-November 4, 2010.

2010 Member, Annual Meeting and Scientific Program Committee.

52nd Annual Meeting of the American Society of Therapeutic Radiation Oncology, San Diego, California, October 31-November 4, 2010.

2010 Member, Educational Committee of the Educational Council.

52nd Annual Meeting of the American Society of Therapeutic Radiation Oncology, San Diego, California, October 31-November 4, 2010.

2010 Abstract Reviewer. Category: Gynecologic Malignancies.

52nd Annual Meeting of the American Society of Therapeutic Radiation Oncology, San Diego, California, October 31-November 4, 2010.

2009 Member, Annual Meeting and Scientific Program Committee.

51st Annual Meeting of the American Society of Therapeutic Radiology and Oncology (ASTRO), Chicago, Illinois, November 1-5, 2009

2009 Member, Educational Committee of the Educational Council.

51st Annual Meeting of the American Society of Therapeutic Radiation Oncology (ASTRO), Chicago, Illinois, November 1-5, 2009

2009 Reviewer – Scientific Abstracts. Category: Gynecology.

51st Annual Meeting of the American Society of Therapeutic Radiology and Oncology (ASTRO), Chicago, Illinois, November 1-5, 2009

2009Co-Moderator - Oral Scientific Session – Gynecology

51st Annual Meeting of the American Society of Therapeutic Radiation Oncology (ASTRO), Chicago, Illinois, November 1-5, 2009

2008 Reviewer – Scientific Abstracts. Category: Gynecology.

50th Annual Meeting of the American Society of Therapeutic Radiation Oncology (ASTRO), Boston, Massachusetts, September 21-25, 2008.

2008Co-Moderator - Oral Scientific Session – Gynecology

50th Annual Meeting of the American Society of Therapeutic Radiation Oncology (ASTRO), Boston, Massachusetts, September 21-25, 2008.

2007 Co-Moderator – Oral Scientific Session - Central Nervous System Session II. 49th Meeting of the American Society of Therapeutic Radiation Oncology, Los Angeles, California, October 28 - November 1, 2007.

2007 Reviewer – Scientific Abstracts. Category: Central Nervous System. 49th Meeting of the American Society of Therapeutic Radiation Oncology, Los Angeles, California, October 28 - November 1, 2007.

**American Brachytherapy Society**

2010 Member, Expert Panel – American Brachytherapy Society Cervical Cancer Recommendations Committee

Co-Author:

1) American Brachytherapy Society Concensus Guidelines for Locally Advanced Carcinoma of the Cervix. Part III: Low-Dose-Rate and Pulsed-Dose-Rate Brachytherapy. Brachytherapy. 2012 Jan-Feb; 11(1): 53-7.

2) American Brachytherapy Society Concensus Guidelines for Locally Advanced Carcinoma of the Cervix. Part I: General Principles. Brachytherapy. 2012 Jan-Feb; 11(1): 33-46.

2010 Co-Moderator. Gynecologic Proffered Papers II - Brachytherapy Techniques.

Annual Meeting of the American Brachytherapy Society, Atlanta, Georgia, April 29- May 10, 2010.

2011 Moderator – Scientific Session: General Brachytherapy Proffered Papers.

Annual Meeting of the American Brachytherapy Society, San Diego, California, April 14-16th, 2011.

**Yale-New Haven Hospital**

**Smilow Cancer Hospital**

2012-present Member, Breast Center Steering Committee

Smilow Cancer Hospital at Yale-New Haven

New Haven, CT

2009 - Present Member, Oncology Patient Safety & Quality Council

Smilow Cancer Hospital at Yale-New Haven

New Haven, CT

2009- Present Disease Team Leader, Gynecologic Oncology

Smilow Cancer Hospital at Yale-New Haven

New Haven, CT

2009- Present Clinical Leadership Panel

Smilow Cancer Hospital at Yale-New Haven

New Haven, CT

**School of Medicine**

2011 Ad Hoc Reviewer, Pilot Project Program

Women’s Health Research at Yale

2009 - Present Member

Yale University School of Medicine

Medical Student Thesis Review Committee

2006 - Present Member, Executive Board

Committee on Status of Women in Medicine (SWIM)

Yale University School of Medicine

**Department**

2012- Present Director, Medical Student Elective

2004- Present Associate Director, Residency Program

2002- Present Member, Faculty Search Committee

2002 Physician Representative, Quality Improvement Committee Co-Chair, JCAHO Review

2002 Co-chair, Clinical Management Task Force.

2001 Staff Representative, Accreditation Council for Graduate Medical Education Review, Resident Training Program.

1997- 2009 Chair, Quality Improvement Committee

**Public Service**

2015 - present Host – *Yale Cancer Center Answers* Radio Program - broadcast on National Public Radio (NPR).

* Radio Interview – Dr. Ranjit Bindra – Central Nervous System Tumors – 2/17/16
* Radio Interview – Dr. Elena Ratner – Gynecologic Cancers - 10/28/15
* Radio Interview – Dr. Veronica Chiang – Central Nervous System Tumors and Gamma Knife Stereotactic Radiosurgery – 8/11/15
* Radio Interview – Dr. Yawei Zhang - Environmental Causes of Cancer - 9/27/15

8/01/10 Radio Interview – *Healthline with Yale Cancer Center*. Broadcast on local station WTIC AM 1080. Interview - “The Treatment of Gynecologic Cancers with Radiation Therapy”

9/10/08 Radio Interview – *Healthline with Yale Cancer Center*. Broadcast on NPR. Interview – “Radiation Oncology for Women”.

3/28/07 Radio Interview – *Healthline with Yale Cancer Center*. Broadcast on local station WTIC AM 1080. Interview - “The Treatment of Cervical Cancer with Radiation Therapy”.

4/26/07 Lecture – “Multidisciplinary Management of Breast Cancer”, Delivered with Dr. Wajih Zaheer to the public at the Shoreline Medical Center.

**Bibliography**

**Peer Reviewed Manuscripts**

1. **Higgins SA**, Frenkel K, Cummings A, Teebor GW. Definitive Characterization of Human Thymine Glycosylase Activity. *Biochemistry* 26:1683-1688, 1987.
2. **Higgins SA** and Haffty BG. Pregnancy and Lactation After Breast- Conserving Therapy for Early Stage Breast Cancer. *Cancer* 73:2175-2180, 1994.
3. Leith AM, Meek AG, Smith RA, Boris M, Bourgeois P, **Higgins SA**, Pressman PI, Stevens J, Stevens RE. American Cancer Society Lymphedema Workshop. Workgroup I: Treatment of the Axilla with Surgery and Radiation: Preoperative and Postoperative Risk Assessment. Lymphedema: Results from a Workshop on Breast Cancer Treatment-Related Lymphedema and Lymphedema Resource Guide. *Cancer* 83:2877-2879, 1998.
4. Han SC, Kim DH, **Higgins SA**, Carcangiu ML, Kacinski BM. Chemoradiation as Primary or Adjuvant Treatment for Locally Advanced Carcinoma of the Vulva. *Int J Radiat Oncol Biol Phys*, 47(5): 1235-1244, 2000.
5. Mulayim N, Silver DF, Schwartz PE, **Higgins S**. Chemoradiation with 5-Fluorouracil and Mitomycin C in the Treatment of Vulvar Squamous Cell Carcinoma. *Gynecol Oncol*, 93(3): 659-666, 2004.
6. Rockwell S, Liu Y, **Higgins SA**. Alteration of the Effects of Cancer Therapy Agents on Breast Cancer Cells by the Herbal Medicine Black Cohosh. *Breast Cancer Res Treat*  90(3): 233-9, 2005.
7. Lally BE, Haffty BG, Moran MS, Colasanto JM, **Higgins SA**. Management of Suspicious or Indeterminate Calcifications and Impact Upon Local Control. *Cancer* 103(11): 2236-40, 2005.
8. MoranMS, Colasanto JM, Haffty BG, Wilson LD, Lund MW, **Higgins SA**. Effects of Breast Conserving Therapy on Lactation After Pregnancy. *Cancer J* 11(5):399-403, 2005.
9. **Higgins SA,** Matloff ET, Rimm DL, Dziura J, Haffty BG, King BL. Patterns of Reduced Nipple Aspirate Fluid Production and Ductal Lavage Cellularity in Women at High Risk for Breast Cancer. *Breast Cancer Res* 7(6): R1017-22, 2005.

1. Haffty BG, Yang Q, Reis M, Kearney T, **Higgins SA**, Weidhaas J, Harris L, Hait W, Toppmeyer D. Locoregional Relapse and Distant Metastasis in Conservatively Managed Triple Negative Early-Stage Breast Cancer. *J Clin Oncol* 24(36): 5652-5657, 2006.
2. Haffty BG**,** Kim, JH, Yang Q, **Higgins SA**. Concurrent Chemo-Radiation in the Conservative Management of Breast Cancer. *Int J Radiat Oncol Biol Phys* 66(5):1306-1312, 2006.
3. Parikh RR, Yang Q, **Higgins SA,** Haffty BG. Outcomes in Young Women With Breast Cancer of Triple-Negative Phenotype: the Prognostic Significance of CK19 Expression. *Int J Radiat Oncol Biol Phys* 70(1):35-42, 2008.
4. Grube B, Christy C, Black D, Harris L, DiGiovanna M, Miller K, Chung G, Abu-Khalaf M, Weidhaas J, **Higgins SA**, Tavassoli F, Lannin D. Breast Sentinel Lymph Node Dissection (SLND) Prior to Neoadjuvant Chemotherapy. *Arch Surg* 143:692-699, 2008, discussion 699-700. PMID: 18645113
5. Christy CJ, Thorsteinsson D, Grube BJ, Black D, Abu-Khalaf M, Chung GG, DiGiovanna MP, Miller K, **Higgins** **SA**, Weidhaas J, Harris L, Tavassoli FA, Lannin DR. Pre-operative Chemotherapy Decreases the Need for Re-excision of Breast Cancers Between 2 and 4 cm Diameter. *Ann Surg Oncol* 16:697-702, 2009, PMID: 19132447.
6. Ratner, E, **Higgins SA**, Schwartz PE. Brain Metastases in Epithelial Ovarian and Primary Peritioneal Carcinoma. *Int J Gynecol Cancer* 19(5):856-9, 2009. PMID: 19574773.
7. Milgrom, S and **Higgins SA**. Management of Cellulitis in Patients with Breast Cancer. *J Support Oncol* 7(5): 174-6, 2009.
8. Moran MS, Castrucci WA, Lund MW, Mani S, Ahmad M, **Higgins SA**. Clinical Utility of the Modified Segmental Boost Technique for Treatment of the Pelvis and Inguinal Nodes. *Int J Radiat Oncol Biol Phys* 76(4):1026-36, 2010. PMID: 19596174.
9. Castrucci W, Lannin D, Haffty BG, **Higgins SA**, Moran MS. Using Nodal Ratios to Predict Risk of Regional Recurrences in Patients Treated With Breast Conservation Therapy with 4 or More Positive Lymph Nodes. *ISRN Surg* Epub 2011 Jun 30. PMID: 22084784.
10. Lee LJ, Das IJ, **Higgins SA**, Jhingran A, Small W Jr, Thomadsen B, Viswanathan AN, Wolfson A, Eifel P. American Brachytherapy Society Consensus Guidelines for Locally Advanced Carcinoma of the Cervix. Part III: Low-Dose-Rate and Pulsed-Dose-Rate Brachytherapy. *Brachytherapy* 11(1): 53-7, 2012.
11. Moran MS, Ma S, Jagsi R, Yang TI, **Higgins SA**, Weidhaas JB, Wilson LD, Lloyd S, Peschel R, Gaudreau B, Rockwell S. A Prospective, Multicenter Study of Complementary/Alternative Medicine (CAM) Utilization During Definitive Radiation for Breast Cancer. *Int J Radiat Oncol Biol Phys* 85(1): 40-46, 2013.
12. Rockwell SR, Grove TA, Liu Y, Cheng YC, **Higgins SA**, Booth CJ. Preclinical Studies of the Chinese Herbal Medicine Formulation PHY906 (KD018) As a Potential Adjunct to Radiation Therapy. *Int J Radiat Biol*, 89 (1) 16-25, 2013.
13. Lentz R, Ng R, **Higgins S**, Fusi S, Matthew M, Kwei S. Radiation therapy and expander-implant breast reconstruction: an analysis of timing and comparison of complications. *Ann Plastic Surg*, 71(3):269-73, 2013.
14. Bai HX, Motwani SB, **Higgins SA**, Haffty BG, Wilson LD, Lannin DR, Evans SB, Moran MS. Breast conservation therapy for ductal carcinoma in situ (DCIS): does presentation of disease affect long-term outcomes? *Int J Clin Oncol*,19(3):460-6, 2014.
15. Evans SB, Panigrahi B, Northrup V, Patterson J, Baldwin DE, **Higgins SA**, Moran MS. Analysis of coronary artery dosimetry in the 3D era: Implications for organ-at-risk segmentation and dose tolerances in left-sided tangential breast radiation. *Pract Radiat Oncol*. 2013 Apr-Jun; 3(2):e55-60. Epub 2012 Jul 24.
16. Acevedo-Gadea C, Santin AD, **Higgins SA**, Urva S, Ratner E, Silasi DA, Azodi M, Rutherford T, Schwartz PE, Abu-Khalaf MM. Phase I clinical trial of the mammalian target of rapamycin inhibitor everolimus in combination with oral topotecan for recurrent and advanced endometrial cancer. *Int J Gynecologic Cancer* 24(3): 528-33, 2014. PMID: 24557436.
17. Khan AJ, Milgrom SA, Barnard N, **Higgins SA**, Moran M, Shahzad H, Kim S, Goyal S, Al-Faraj F, Kirstein L, Kearney T, Haffty BG. Basal Subtype, as Approximated by Triple Negative Phenotype, is Associated with Locoregional Recurrence in a Case-Control Study of Women with 0-3 Positive Lymph Nodes After Mastectomy. *Ann Surg Oncol* 2014 Feb 22. [Epub ahead of print].
18. Young MR, **Higgins SA**, Ratner E, Yu JB, Mani S, Silasi DA, Azodi M, Rutherford T, Schwartz PE, Damast S. Adjuvant Carboplatin, Paclitaxel, and Vaginal Cuff Brachytherapy for Stage III Endometrial Cancer: Analysis of Outcomes and Patterns of Recurrence Based on Pathologic Characteristics. *Int J Gynecol Cancer*. 2015 Jan 23 [Epub ahead of print]. PMID: 25621409
19. Damast S, **Higgins SA**, Ratner E, DeLeon MD, Mani S, Silasi DA, Azodi M, Santin A, Rutherford T, Schwartz PE. High-dose-rate vaginal brachytherapy with chemotherapy for surgically staged localized uterine serous carcinoma. *J Contemp Brachytherapy* 2015 Feb; 7(1): 35-40. Epub 2015 Jan 26.
20. Park HS, Ratner ES, Lucarelli L, Polizzi, S, **Higgins SA**, Damast S. Predictors of vaginal stenosis after intravaginal high-dose-rate brachytherapy for endometrial carcinoma. *Brachytherapy.* 2015 Jul-Aug; 14(4): 464-70. Epub 2015 Apr 14.
21. Ye JC, Mohindra P, Spektor A, Krishnan MS, Chmura SJ, Howard AR, Viswanathan AN, MacDonald SM, Tahaker NG, Das P, Mancini BR, Higgins SA, Braunstein S, Haas-Kogan D, Bradley KA, Hung AY, Thomas CR Jr, Kharofa J, Wheatley M, Currey A, Parashar B, Du K, Jiminiz RB, Golden DW. Medical Student Perspectives on a Multi-Institutional Clerkship Curriculum: A Report From the Radiation Oncology Education Collaborative Study Group. *Int J Radiat Oncol Bio Phys*. 92(2): 217-9, 2015.
22. Golden DW, Braunstein S, Jiminez RB, Mohindra P, Spektor A, Ye JC; Radiation Onoclogy Education Collaborative Study Group Members. Multi-Institutional Implementation and Evaluation of a Curriculum for the Medical Student Clerkship in Radiation Oncology. *J Am Coll Radiol*. 13(2):203-9, 2016.

**Consensus Guidelines**

1. Viswanathan AN, Thomadsen B, American Brachytherapy Society Cervical Cancer Recommendations Committee; American Brachytherapy Society. American Brachytherapy Society Concensus Guidelines for Locally Advanced Carcinoma of the Cervix. Part I: General Principles. *Brachytherapy* 11(1): 33-46, 2012.

**Note:** Please see also publication #19 under “Peer Review Manuscripts ” where I am an author of the publication presenting the guidelines.

1. Bichakjian CK, Olendki T, Aasi SZ, Alam M, Anderson JS, Berg D, Bowen GM, Cheney RT, Daniels GA, Glass LF, Grekin RC, Grossman K, **Higgins S**, Ho AL, Lewis KD, Lydiatt DD, Nehal KS, Nghiem P, Olsen EA, Schmults CD, Sekulic A, Shaha AR, Thorstad WL, Tuli M, Urist MM, Wang TS, Wong S, Zic J. *NCCN Clinical Practice Guidelines in Oncology – Basal Cell Skin Cancer*, Version 1.2016.
2. Bichakjian CK, Olendki T, Aasi SZ, Alam M, Anderson JS, Berg D, Bowen GM, Cheney RT, Daniels GA, Glass LF, Grekin RC, Grossman K, **Higgins S**, Ho AL, Lewis KD, Lydiatt DD, Nehal KS, Nghiem P, Olsen EA, Schmults CD, Sekulic A, Shaha AR, Thorstad WL, Tuli M, Urist MM, Wang TS, Wong S, Zic J. *NCCN Clinical Practice Guidelines in Oncology* *– Dermatofibrosarcoma Protuberans*, Version 1.2016.
3. Bichakjian CK, Olendki T, Aasi SZ, Alam M, Anderson JS, Berg D, Bowen GM, Cheney RT, Daniels GA, Glass LF, Grekin RC, Grossman K, **Higgins S**, Ho AL, Lewis KD, Lydiatt DD, Nehal KS, Nghiem P, Olsen EA, Schmults CD, Sekulic A, Shaha AR, Thorstad WL, Tuli M, Urist MM, Wang TS, Wong S, Zic J. *NCCN Clinical Practice Guidelines in Oncology* – *Merkel Cell Carcinoma*, Version 1.2016.
4. Bichakjian CK, Olendki T, Aasi SZ, Alam M, Anderson JS, Berg D, Bowen GM, Cheney RT, Daniels GA, Glass LF, Grekin RC, Grossman K, **Higgins S**, Ho AL, Lewis KD, Lydiatt DD, Nehal KS, Nghiem P, Olsen EA, Schmults CD, Sekulic A, Shaha AR, Thorstad WL, Tuli M, Urist MM, Wang TS, Wong S, Zic J. *NCCN Clinical Practice Guidelines in Oncology – Squamous Cell Skin Cancer*, Version 1.2016.
5. Koh W-J, Greer BE, Abu-Rustum NR, Apte SM, Campos SM, Cho KR, Chu C, Cohn D, Crispens MA, Dizon DS, Dorigo O, Eifel PJ, Fisher CM, Frederick P, Gaffney DK, Han E, **Higgins SA,** Warner KH, Lurain JR, Mariani A, Mutch D, Fader AN, Remmenga SW, Reynolds RK, Tillmanns T, Valea FA, Yashar CM. *NCCN Clinical Practice Guidelines in Oncology – Vulvar Cancer*, Version 1.2016.
6. Viswanathan AN, Thomadsen B, American Brachytherapy Society Cervical Cancer Recommendations Committee; American Brachytherapy Society. American Brachytherapy Society Concensus Guidelines for Locally Advanced Carcinoma of the Cervix. Part I: General Principles. *Brachytherapy* 11(1): 33-46, 2012.

**Note:** Please see also publication #19 under “Peer Review Manuscripts ” where I am an author of the publication presenting the guidelines.

**Case Reports**

1. Noronha V, Cooper DL, **Higgins SA**, Murren JR, Kluger, HM. Metastatic Myoepithelial Carcinoma of the Vulva Treated With Carboplatinum and Paclitaxel. *Lancet Oncol* 7(3): 270-271, 2006.
2. Koyfman S, Abidi A, **Higgins S**, Azodi M. Adenoid Cystic Carcinoma of the Cervix: A Case Report. *Gynecol Oncol* 99(2): 477-80, 2005.
3. **Higgins SA** and Peschel RE. Hodgkin's Disease with Spinal Cord Compression. A Case Report and Review of the Literature. *Cancer* 75:84-98, 1995.

**Reviews and Commentaries**

1. **Higgins SA** andHaffty BG. “Radiation Therapy in the Management of Breast Cancer.” In: *Expert Consultations in Breast Cancer*, Eds. Hait, August, Haffty, pp. 47-63, Marcel Dekker, 1999.
2. **Higgins SA.** Commentary on “Second Cancers After Conservative Surgery and Radiation for Stages I-II Breast Cancer: Identifying a Subset of Women at Increased Risk.” (*Int J Radiat Oncol Biol Phys* 51:679-690, 2001). In: *Breast Diseases: A Yearbook Quarterly* 13:259-260, 2002.
3. Lentz R, Craig ES, Ross CC, Fusi S, **Higgins SA**. “Does the Left Hand Know What the Right Hand is Doing? What Plastic Surgeons Need to Know About Radiation Therapy Techniques.” *Plast Reconstr Surg* 130(5): 772e-773e, 2012.
4. Evans, SB, **Higgins SA**. Intraoperative radiotherapy for breast cancer: deceptively simple? Oncology 27(2): 122-24, 2013. PMID: 23530403.
5. Bevereridge R, Fox J, **Higgins SA**, Kohn M, Mahoney JJ, Newcomer LN, von Eschenbach A, Goodman C. Roundtable -- the changing oncology landscape: evolution or revolution? J Natl Compr Canc Netw. 11(Suppl 5):636-8, 2013. PMID: 23704232.

**Textbook Chapters**

1. **Higgins SA,** Kacinski B, and Vera, RV. Cancer del Cuello Uterino. In: *Radioterapia Oncologica*, Eds. N. Urdaneta Lafee, A. Vera Gimon, R. Peschel and L. Wilson, Disinlimed, Distribuidora Internacional de Literatura Medica, Caracas, Venezuela, 2008.
2. **Higgins SA**. Carcinoma del Endometrio. In: *Radioterapia Oncologica*, Eds. N. Urdaneta Lafee, A. Vera Gimon, R. Peschel and L. Wilson. Disinlimed, Distribuidora Internacional de Literatura Medica, Caracas, Venezuela, 2008.
3. Smith B and **Higgins SA**. Tumores del Ovario. In: *Radioterapia Oncologica*, Eds. N. Urdaneta Lafee, A. Vera Gimon, R. Peschel and L. Wilson. Disinlimed, Distribuidora Internacional de Literatura Medica, Caracas, Venezuela, 2008.
4. Knisely J and **Higgins SA.** Cancer de Colon y Recto. In: *Radioterapia Oncologica*, Eds. N. Urdaneta Lafee, A. Vera Gimon, R. Peschel and L. Wilson. Disinlimed, Distribuidora Internacional de Literatura Medica, Caracas, Venezuela, 2008.
5. **Higgins SA** and Peschel RE. Radioterapia en el Tratamiento de las Emergencies Oncologicas. In: *Radioterapia Oncologica*, Eds. N. Urdaneta Lafee, A. Vera Gimon, R. Peschel and L. Wilson. Disinlimed, Distribuidora Internacional de Literatura Medica, Caracas, Venezuela, 2008.
6. Young MR, **Higgins SA**, Yuh W, and NA Mayr. Gynecologic Cancer. In: *Decision Tools for Radiation Oncology: Prognosis, Treatment Response, and Toxicity, Eds.* Carsten Nieder and Laurie E. Gaspar. p. 185-221, Springer-Verlag, 2014.

**Educational Manuals**

1. Tangir J, Smith B, **Higgins SA**, Schwartz PE. “Therapy in Gynecologic Oncology.” In: *Educational Review Manual in Obstetrics and Gynecology*, New York Castle Connolly Graduate Medical Publishing, April 2003. (Updated June 2007).