

CURRICULUM VITAE

BIOGRAPHICAL

Dwight Earl Heron, MD, MBA, FACRO, FACR

herond2@upmc.edu

Business Phone Administrative: 412-623-6723
Business Phone Clinical: 412-623-6720
Office Fax: 412-647-1161

Department of Radiation Oncology
UPMC Shadyside Hospital
5230 Centre Avenue
Pittsburgh, PA 15232

EDUCATION and TRAINING

UNDERGRADUATE:

September 1987 to May 1991	Fairfield University Fairfield, CT 06430	Bachelor of Science 1991 (Pre-Medicine)
August 1989 to May 1991	Fairfield University Resident Advisor, Claver Hall	
Summer 1992	Summer Undergraduate Research Fellowship (SURF) Coordinator	
Summer 1993	Science and Technology Program (STEP) Student Instructor	

GRADUATE:

August 1991 to May 1995	University of Rochester School of Medicine and Dentistry Rochester, NY 14642	Doctor of Medicine 1995
----------------------------	--	----------------------------

POSTGRADUATE:

July 1995 to June 1996	Winthrop-University Hospital SUNY-Stony Brook School of Medicine Department of Internal Medicine Mineola, NY 11501	Medical Internship
July 1996 to June 2000	Thomas Jefferson University Hospital Bodine Center for Cancer Treatment Department of Radiation Oncology 11 th and Samson Streets Philadelphia, PA 19107	Radiation Oncology Residency Chief Resident (1999-2000)
May 2014 to October 2015	University of Pittsburgh Joseph M. Katz Graduate School of Business	Executive Master of Business Administration

SPECIAL TRAINING:

1997 Pediatric Radiation Oncology
St. Jude Children's Research Hospital, Memphis, TN

1998 Gynecologic Oncology Brachytherapy
Mallinckrodt Institute of Radiology, Washington Univ., St. Louis, MO

1996-2000 Stereotactic Radiosurgery and Radiotherapy
Wills Eye Neurosensory Institute, Philadelphia, PA

APPOINTMENTS and POSITIONS**ACADEMIC:**

2000 to present University of Pittsburgh Cancer Institute

2000 to 2007 Associate Residency Program Director
University of Pittsburgh Cancer Institute, Department of Radiation
Oncology

2000 to 2001 Visiting Assistant Professor of Radiation Oncology
University of Pittsburgh, School of Medicine

2001 to 2005 Assistant Professor of Radiation Oncology

2002 to present Director of Head & Neck and Thoracic Radiation Therapy
UPMC Shadyside, Department of Radiation Oncology

2004 to present Vice Chairman for Clinical Affairs
University of Pittsburgh Cancer Institute, Department of Radiation
Oncology

2004 to 2012 Deputy Director
University of Pittsburgh Cancer Institute

2004 to present Director, Radiation Oncology
University of Pittsburgh Cancer Institute and UPMC Cancer Centers

2004 to present Chairman, Department of Radiation Oncology, UPMC Shadyside
Hospital, Hillman Cancer Center, University of Pittsburgh Cancer
Institute

2004 to present Chief Medical Officer, D3 Advanced Radiation Planning Services

2004 to 2015 Associate Medical Director, UPMC International Radiation Oncology

Services

2005 to 2010	Associate Professor of Radiation Oncology
2005 to present	Director of Trilogy Comprehensive Stereotactic Radiosurgery
2005 to present	Co-Director, CyberKnife® Training Center for Frameless Stereotactic Body Irradiation, University of Pittsburgh Cancer Institute
2007 to present	Associate Director, Radiation Oncology, Lung Cancer Center
2010 to present	Professor, Radiation Oncology Professor, Otolaryngology, Head and Neck Surgery
2012 to 2014	Vice-Chair, ASTRO Code Development and Evaluation Subcommittee
2013 to present	Professor, Clinical and Translational Science
2014 to present	President, D3 Oncology Solutions
2015 to present	Associate Medical Director & Director of Oncology, UPMC International

Visiting Professorship:

November 13, 2002	Fox Chase Cancer Center, Philadelphia, PA
November 13, 2002	Thomas Jefferson University Hospital, Philadelphia, PA
December 12, 2003	Hahnemann University Hospital, Philadelphia, PA
August 18, 2004	Einstein-Montefiore Hospital, New York, NY
February 15-16, 2006	University of Buffalo, Roswell Park, NY
September 14, 2006	Hahnemann University Hospital, Philadelphia, PA
June 4, 2009	Benefis Sletten Cancer Institute, Great Falls, MT
April 5, 2011	South Jersey CyberKnife Center at Cooper, Mount Laurel, NY

Hospital Appointments:

2000 to present	Active Staff, UPMC Presbyterian University Hospital, Department of Radiation Oncology
2000 to present	Active Staff, UPMC Magee-Womens Hospital, Department of Radiation Oncology
2000 to 2014	Active Staff, Excelsa Health System, Department of Radiation Oncology
2001 to present	Active Staff, UPMC Shadyside Hospital, Department of Radiation Oncology

2003 to present	Active Staff, UPMC McKeesport, Department of Radiation Oncology
2005 to present	Courtesy Attending, UPMC St. Margaret Hospital, Department of Radiation Oncology
2007 to present	Courtesy Attending, St. Clair Hospital, Department of Radiation Oncology
2007 to 2014	Active Staff, UPMC Mercy, Department of Radiation Oncology
2012 to present	Courtesy Attending, UPMC East, Department of Radiation Oncology

CERTIFICATION and LICENSURE

SPECIALTY CERTIFICATION:

1993, 1994 & 1995 (respectively)	Diplomat, Board of Medical Examiners (USLME Steps 1, 2, 3)
2003	Diplomat, American College of Radiology (Board certification)

MEDICAL or OTHER PROFESSIONAL LICENSURE:

Current	Medical Licensure, State of Pennsylvania (MD-062778-L)
Current	Certificate of Registration, Register of Medical Practitioners, Medical Council of Ireland (100169)

MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES

1996 to 2009	Society of Gynecologic Oncology (SGO)
1996 to present	American Brachytherapy Society (ABS)
1996 to present	American College of Radiation Oncology (ACRO)
1996 to present	American College of Radiology (ACR)
1996 to present	American Medical Association (AMA)
1996 to present	American Radium Society (ARS)
1996 to present	American Society of Clinical Oncology (ASCO)
1996 to present	American Society of Therapeutic Radiation Oncology (ASTRO)
1996 to present	Association of Residents of Radiation Oncology (ARRO)
1996 to present	National Medical Association (NMA)
1996 to present	Pennsylvania Medical Society (PMS)
1996 to present	Pennsylvania Radiological Society (PRS)
1996 to present	Pittsburgh Roentgen Society
1996 to present	Radiological Society of North America (RSNA)

1996 to present	Simon Kramer Society (SKS)
1996 to present	Society for Neuro-Oncology
2000 to present	Allegheny County Medical Society (ACMS)
2004 to 2009	Pennsylvania Society of Oncology and Hematology (PSOH)
2005 to present	American College of Physician Executives (ACPE)
2005 to present	CyberKnife Society (CKS)
2006 to present	European Society for Therapeutic Radiology and Oncology (ESTRO)
2006 to present	Gateway Medical Society
2013 to present	Alpha Omega Alpha Medical Society

HONORS and AWARDS

Dedication to Commitment and Quality Award UPMC Shadyside Medical Staff Recognition	June 2015
The City's Best Doctors Pittsburgh Magazine highlighted as one of the 584 top-ranked physicians in the region	May 2015 Issue
The City's Best Doctors 2014 Pittsburgh Magazine highlighted as one of the 608 top-ranked physicians in the region	May 2014 Issue
Member of Alpha Omega Alpha Honor Medical Society Elected to membership of Alpha Omega Alpha Honor Medical Society by the Class of 2014 student inductees at the University of Rochester School of Medicine & Dentistry's Zeta Chapter of Alpha Omega Alpha, November 2013	November 2013
The City's Best Doctors 2013 Pittsburgh Magazine highlighted as one of the 629 top-ranked physicians in the region	May 2013 Issue
The City's Best Doctors 2012 Pittsburgh Magazine highlighted as one of the 579 top-ranked physicians in the region	May 2012 Issue
Best Doctors for Women <i>Pittsburgh Magazine</i> highlighted as one of 142 Best Doctors for Women	January 2012 Issue
Fellow of the American College of Radiation Oncology American College of Radiation Oncology Awards Accelerated Fellowship	February 22, 2009
America's Leading Doctors <i>Black Enterprise</i> Highlighted as one of 140 American doctors Changing the Face of Medicine	May 2008 Issue
Omega Psi Phi Fraternity, Inc. 2005 Exemplary Service Award for Medicine 2005 Annual Achievement Awards Rivers Club, 1 Oxford Center, Pittsburgh, PA	November 26, 2005

Presidential Award, Society of Gynecologic Oncology Best all around Abstract, Poster and Presentation SGO 33 rd Annual Meeting, March 2002. Plenary Paper presented at SGO.	February 2003
Teacher of the Year Award Association of Residents in Radiation Oncology (ARRO)	2001 - 2002
RSNA Roentgen Resident Research Award Jefferson Medical College	June 2000
Upjohn Award for Outstanding Achievement in Medical Education University of Rochester School of Medicine and Dentistry	May 1995
Edwin A. Robinson, MD Memorial Award	1992 - 1993
Keynote Speaker Harry S Truman High School Commencement	June 1992

PUBLICATIONS

Refereed articles

1. **Heron DE**(senior/corresponding author), Komarnicky LT, Hyslop T, Schwartz G, Mansfield CM. Bilateral Breast Carcinoma: Risk Factors and Outcomes for Patients with Synchronous and Metachronous Disease. *Cancer* 88(12):2739-2750, 2000, PMID: 10870056.
2. DiBiase SJ, **Heron DE**, Komarnicky A, Schwartz G, Hyslop T, Mansfield CM. The Influence of Radiation Dose on Positive Surgical Margins in Women Undergoing Breast Conservation Therapy. *Int J Radiat Oncol Biol Phys* 53(3):680-686, 2002, PMID: 12062612.
3. **Heron, DE** (corresponding author), Karimpour S, Grigsby P. Anaplastic Thyroid Carcinoma: A Comparison of Conventional Radiotherapy and Hyperfractionated Chemoradiotherapy in Two Groups. *Am J Clin Oncol* 25(5):442-446, 2002, PMID: 12393980.
4. Bhatnagar A, **Heron DE**, Kondziolka D, Lunsford LD, Flickinger JC. An Analysis of Repeat Stereotactic Radiosurgery for Progressive Primary and Metastatic CNS Tumors. *Int J Radiat Oncol Biol Phys* 2002;53(3):527-532, 2002, PMID: 12062593.
5. **Heron DE** (corresponding author), Stein DE, Eschelmann DJ, Topham AK, Waterman FM, Rosato EL, Alden M, Anne PR. Cholangiocarcinoma: The Impact of Tumor Location and Treatment Strategy on Outcome. *Am J Clin Oncol* 26(4):422-428, 2003, PMID: 12902899.

6. **Heron DE** (corresponding author), Godette KD, Wynn RA, Arterbery VE, Streeter OA, Roach M 3rd, Simpson JR, Blough M, Thomas CR Jr. Radiation Medicine Innovations for the New Millennium. *J Nat Med Assoc* 95(1):55-63, 2003, PMCID: PMC2594374, PMID: 12656450.
7. **Heron, DE** (corresponding author), Gerszten K, Selvaraj RN, King GC, Sonnik D, Gallion H, Comerchi J, Edwards RP, Wu A, Andrade RS, Kalnicki S. Conventional 3-D Conformal Versus Intensity-Modulated Radiotherapy for the Adjuvant Treatment of Gynecologic Malignancies: A Comparative Study of Dose-Volume Histograms and the Potential Impact on Toxicities. *Gynecol Oncol* 91(1):31-45, 2003.
8. **Heron DE** (corresponding author), Andrade RS, Flickinger J, Johnson J, Agarwal SS, Wu A, Kalnicki S, Avril N. Hybrid PET-CT Simulation for Radiation Treatment Planning in Head and Neck Cancers: A Brief Technical Report. *Int J Radiat Oncol Biol Phys* 2004;60(5)1419-1424, 2004, PMID: 15590173.
9. Bhatnagar AK, Brandner E, Sonnik D, Wu A, Kalnicki S, Deutsch M, **Heron DE** (senior author). Intensity-Modulated Radiation Therapy (IMRT) Reduces the Dose to the Contralateral Breast when Compared to Conventional Tangential Fields for Primary Breast Irradiation: Initial Report. *The Cancer Journal* 10(6):381-385, 2004, PMID: 15701270.
10. Stein DE, **Heron DE** (corresponding author), Rosato EL, Anne PR, Topham AK. Positive Microscopic Margins Alter Outcome in Lymph Node Negative Cholangiocarcinoma when Resection Is Combined with Adjuvant Radiotherapy. *Am J Clin Oncol* 2005;28(1):21-23, 2005, PMID: 15685030.
11. **Heron DE** (corresponding author), Axtel A, Gerszten K, Amortegui A, Kelley J, Comerchi J, Edwards RP. Villoglandular Adenocarcinoma of the Cervix Recurrent in an Episiotomy Scar: A Case Report in a 32 Year Old Female. *Int J Gyn Cancer* 15(2):366-371, 2005, PMID: 15823127.
12. Bhatnagar AK, **Heron DE** (senior/corresponding author), Schaitkin B. Perineural Invasion of Squamous Cell Carcinoma of Lip with Occult Involvement of the Infra-orbital Nerve Detected by PET-CT and Treated with MRI-based IMRT: A Case Report. *Technol Cancer Res Treatment* 4(3):251-254. 2005, PMID: 15896080.
13. Agarwal A, **Heron DE** (senior/corresponding author), Sumkin J. Contralateral Uptake and Metastases in Sentinel Lymph Node Mapping for Recurrent Breast Cancer. *J Surg Oncol.* 92(1):4-8, 2005, PMID: 16180213.
14. Yue N, **Heron DE**, Komanduri K, Huq MS. Prescription Dose in Permanent ¹³¹Cs Seed Prostate Implants. *Med Phys* 32(8):2496-2502, 2006, PMID: 16193779.
15. Bhatnagar AK, Brandner E, Sonnik D, Wu A, Kalnicki S, Deutsch M, **Heron DE** (senior author). Intensity-Modulated Radiation Therapy (IMRT) Reduces the Dose to the Contralateral Breast when Compared to Conventional Tangential Fields for Primary Breast Irradiation. *Breast Cancer Res Treat* 96(1):41-46, 2006, PMID: 16244787.
16. Chen X, Yue NJ, Chen W, Saw CB, **Heron DE**, Stefanik D, Antemann R, Huq MS. A Dose Verification Method Using a Monitor Unit Matrix for Dynamic IMRT on Varian Linear Accelerators. *Phys Med Biol* 50(23):5641-5652, 2005, PMID: 16306658.

17. Voynov G, **Heron DE** (senior/corresponding author), Lin CJ, Burton S, Chen A, Quinn A, Santos R, Colonias A, Landreaneu RJ. Intraoperative ¹²⁵I Vicryl Mesh Brachytherapy after Sublobar Resection for High-Risk Stage I Non-Small Cell Lung Cancer. *Brachytherapy* 4(4):278-284, 2005, PMID: 16344258.
18. Bhatnagar AK, Deutsch M, Brandner E, Wu A, Kalnicki S, **Heron DE** (senior/corresponding author). Does Breast Size Affect the Scatter Dose to the Ipsilateral Lung, Heart, or Contralateral Breast in Primary Breast Irradiation Using Intensity Modulated Radiation Therapy (IMRT)? *Am J Clin Oncol* 2006;29(1):80-84, 2006, PMID: 16462508.
19. Beriwal S, **Heron DE**, Kim H, King G, Shogan J, Bahri S, Gerszten K, Lee J, Kelley J, Edwards RP. Intensity-Modulated Radiotherapy for the Treatment of Vulvar Carcinoma: A Comparative Dosimetric Study with Early Clinical Outcome. *Int J Radiat Oncol Biol Phys* 64(5):1395-1400, 2006, PMID: 16442238.
20. Gerszten K, Colonello K, **Heron DE**, Fitian ID, Comerchi J, Selvaraj R, Varlotto J. Feasibility of Concurrent Cisplatin and Extended Field Radiation Therapy (EFRT) Using Intensity Modulated Radiotherapy for Carcinoma of the Cervix. *Gynecol Oncol* 102(2):182-188, 2006, PMID: 16516281.
21. **Heron DE** (senior/corresponding author), Smith RP, Andrade RS. Advances in Image-Guided Radiation Therapy – the Role of PET-CT. *Med Dosim* 31(1):3-11, 2006, PMID: 16551524.
22. Smith RP, **Heron DE** (senior/corresponding author), Huq MS, Yue N. Modern Radiation Treatment Planning-From Roentgen to Real Time. *Hematol Oncol Clin North Am* 20(1):45-62, 2006, PMID: 16580556.
23. Yue N, Mori J, Nath R, **Heron DE**, Huq MS. External Beam Radiotherapy Boosts to Reduce the Impacts Caused by Edema in Prostate Permanent Seed Implants. *Phys Med Biol* 51(9):2267-2277, 2006, PMID: 16625041.
24. Gerszten K, Faul C, Kelley J, Selvaraj R, King GC, Mogus R, **Heron D**. Twice-daily High-dose-rate Brachytherapy for Medically Inoperable Uterine Cancer. *Brachytherapy* 5(2):118-21, 2006, PMID: 16644466.
25. Saw CB, **Heron DE**, Huq MS, Yue NJ. Target Delineation and Localization (IGRT) – part I. Editorial *Med Dosim* 31(1):1-2, 2006, PMID: 16551523.
26. Saw CB, **Heron DE**, Yue NJ, Huq MS. Cone-beam Imaging and Respiratory Motion (IGRT) – part II. *Med Dosim* 31(2):89-90, 2006, PMID: 16690450.
27. Brandner ED, Wu A, Chen H, **Heron D** (senior author), Kalnicki S, Komanduri K, Gerszten K, Burton S, Ahmed I, Shou Z. Abdominal Organ Motion Measured Using 4D CT. *Int J Radiat Oncol Biol Phys* 65(2):554-60, 2006, PMID: 16690437.
28. Brandner ED, **Heron D** (senior author), Wu A, Huq MS, Yue NJ, Chen H. Localizing Moving Targets and Organs Using Motion-Managed CTs. *Med Dosim* 31(2):134-140, 2006, PMID: 16690454.
29. Varlotto JM, Gerszten K, **Heron DE**, Comerchi J, Gautam S, Selvaraj R, Lalonde R, Chura JC. The Potential Nephrotoxic Effects of Intensity-Modulated Radiotherapy Delivered to

- the Para-Aortic Area of Women with Gynecologic Malignancies: Preliminary Results. *Am J Clin Oncol* 29(3):281-289, 2006, PMID: 16755182.
30. Andrade RS, **Heron DE** (senior/corresponding author), Degirmenci B, Filho PA, Branstetter BF, Seethala RR, Ferris RL, Avril N. Posttreatment Assessment of Response Using FDG-PET/CT for Patients Treated with Definitive Radiation Therapy for Head and Neck Cancers. *Int J Radiat Oncol Biol Phys* 65(5):1315-1322, 2006, PMID: 16750327.
 31. Voynov G, **Heron DE** (senior/corresponding author), Burton S, Grandis Quinn A, J, Ferris R, Ozhasoglu C, Vogel W, Johnson J. Frameless Stereotactic Radiosurgery for Recurrent Head and Neck Carcinoma. *Technol Cancer Res Treatment* 5(5):529-535, 2006, PMID: 16981796, 2006, PMID: 16981796.
 32. Fu W, Yang Y, Li X, **Heron DE**, Huq MS, Yue NJ. Dosimetric Effects of Patient Rotational Setup Errors on Prostate IMRT Treatments. *Phys Med Biol* 51(20):5321-5331, 2006, PMID: 17019041.
 33. Beriwal S, Jain SK, **Heron DE**, Kim H, Gerszten K, Edwards RP, Kelley JL. Clinical Outcome with Adjuvant Treatment of Endometrial Carcinoma Using Intensity-modulated Radiation Therapy. *Gynecol Oncol* 102(2):195-199, 2006, PMID: 16647748.
 34. Gerszten K, Gooding WE, Lin Y, **Heron DE**, Faul C. A Single Institutional Experience with Definitive Radiotherapy for Cervical Cancer Using both High- and Low-dose-rate Brachytherapy. *Gynecol Oncol* 102(3):500-507, 2006, PMID: 16503346.
 35. Beriwal S, Kim H, **Heron DE**, Selvaraj R. Comparison of 2D vs. 3D Dosimetry for Rotte 'Y' Applicator High Dose Rate Brachytherapy for Medically Inoperable Endometrial Cancer. *Technol Cancer Res Treat* 5(5):521-527, 2006, PMID: 16981795.
 36. Beriwal S, Bhatnagar A, **Heron DE**, Selvaraj R, Mogus R, Kim H, Gerszten K, Kelley J, Edwards RP. High-dose-rate Interstitial Brachytherapy for Gynecologic Malignancies. *Brachytherapy* 5(4):218-222, 2006, PMID: 17118313.
 37. Garsa AA, Andrade RS, **Heron DE** (senior/corresponding author), Beriwal S, Kim H, Brandner E, Kuo G, Chen H, Gerszten K, Yue JN, Huq MS, Lee J, Lalonde R, Wu A. Four-dimensional Computed Tomography-based Respiratory-gated Whole-abdominal Intensity-modulated Radiation Therapy for Ovarian Cancer: A Feasibility Study. *Int J Gyn Cancer* 17:55-60, 2007, PMID: 17291232.
 38. Saw CB, Brandner E, Selvaraj R, Chen H, Saiful Huq M, **Heron DE**. A review on the clinical implementation of respiratory-gated radiation therapy. *Biomed Imaging Interv J*. 2007 Jan;3(1):e40. Epub 2007 Jan 1. PMID:21614265
 39. Beriwal S, Jain SK, **Heron DE**, de Andrade RS, Lin CJ, Kim H. Dosimetric and Toxicity Comparison Between Prone and Supine Position IMRT for Endometrial Cancer. *Int J Radiat Oncol Biol Phys* 67(2):485-489, 2007, PMID: 17084548.
 40. Selvaraj RN, Bhatnagar A, Beriwal S, Huq MS, **Heron DE**, Sonnik D, Brandner E, Surgent R, Mogus R, Deutsch M, Gerszten K, Wu A, Kalnicki S, Yue NJ, Saw CB. Breast Skin Dose from Brachytherapy Using MammoSite® HDR, Intensity Modulated Radiation Therapy, and Tangential Fields Techniques. *Tech Cancer Res Treat* 6(1):17-22, 2007, PMID: 17241096.

41. Sonnik D, Selvaraj RN, Faul C, Gerszten K, **Heron DE**, King GC. Treatment Techniques for 3D Conformal Radiation to Breast and Chest Wall Including the Internal Mammary Chain. *Med Dosim* 32(1):7-12, 2007, PMID: 17317529.
42. Beriwal S, Gan GN, **Heron DE**, Selvaraj RN, Kim H, Lalonde R, Kelley JL, Edwards RP. Early Clinical Outcome with Concurrent Chemotherapy and Extended-field, Intensity-modulated Radiotherapy for Cervical Cancer. *Int J Radiat Oncol Biol Phys* 68(1):166-171, 2007, PMID: 17321070.
43. Pennathur A, Luketich JD, Burton S, Abbas G, **Heron DE**, Fernando HC, Gooding WE, Ozhasoglu C, Ireland J, Landreneau RJ, Christie NA. Stereotactic Radiosurgery for the Treatment of Lung Neoplasm: Initial Experience. *Ann Thorac Surg* 83(5):1820-1824, 2007, PMID: 17462406.
44. Saw CB, **Heron DE**, Huq MS. Image-guided Radiation Therapy: Part 3-Stereotactic Body Radiation Therapy. *Med Dosim* 32(2):69-70, 2007, PMID: 17472884.
45. Agarwala SS, Cano E, **Heron DE**, Johnson J, Myers E, Sandulache V, Bahri S, Ferris R, Wang Y, Argiris A. Long-term Outcomes with Concurrent Carboplatin, Paclitaxel and Radiation Therapy for Locally Advanced, Inoperable Head and Neck Cancer. *Ann Oncol* 18(7):1224-1229, 2007, PMID: 17675395.
46. Ding C, Li X, Huq MS, Saw C, **Heron D**, Yue NJ. The Effect of Respiratory Cycle and Radiation Beam-on Timing on the Dose Distribution of Free-breathing Breast Treatment Using Dynamic IMRT Technique. *Med Phys* 34(9):3500-3509, 2007, PMID: 17926953.
47. Saw CB, Yang Y, Li F, Yue NJ, Ding C, Komanduri K, Huq S, **Heron DE**. Performance Characteristics and Quality Assurance Aspects of Kilovoltage Cone-beam CT on Medical Linear Accelerator. *Med Dosim* 32(2):80-85, 2007, PMID: 17472886.
48. Yue NJ, Li X, Beriwal S, **Heron DE**, Sontag MR, Huq MS. The Intrafraction Motion Induced Dosimetric Impacts in Breast 3D Radiation Treatment: A 4DCT Based Study. *Med Phys* 34(7):2789-2800, 2007, PMID: 17821986.
49. Bhatnagar AK, Land SR, Shogan A, Rodgers EE, **Heron DE** (senior author), Flickinger JC. What Do Patients Want from their Radiation Oncologist? Initial Results from a Prospective Trial. *Int J of Radiat Oncol Biol Phys* 69(5):1527-1533, 2007, PMID: 17904304.
50. Smith RP, Schuchert M, Komanduri K, Burton S, **Heron DE**, Luketich JD, d'Amato T, Landreneau R. Dosimetric Evaluation of Radiation Exposure During I-125 Vicryl Mesh Implants: Implications for ACOSOG z4032. *Ann Surg Oncol* 2007;14(12):3610-3613, PMID: 17909906.
51. Lin CJ, Block B, Nowalk MP, Woods M, Ricci EM, Morgenlander KH, **Heron DE** (senior author). Breast Cancer Risk Assessment in Socioeconomically Disadvantaged Urban Communities. *J Natl Med Assoc* 99(7):752-766, 2007, PMCID: PMC2574352, PMID: 17668640.
52. Selvaraj RN, Beriwal S, Pourarian RJ, Lalonde RJ, Chen A, Mehta K, Brunner G, Wagner KA, Yue NJ, Huq SM, **Heron DE**. Clinical Implementation of Tangential Field Intensity Modulated Radiation Therapy (IMRT) Using Sliding Window Technique and Dosimetric Comparison with 3D Conformal Therapy (3DCRT) in Breast Cancer. *Med Dosim* 32(4):299-304, 2007, PMID: 17980832.

53. Argiris A, Karamouzis MV, Johnson JT, **Heron DE**, Myers E, Eibling D, Cano E, Urba S, Gluckman J, Grandis JR, Wang Y, Agarwala SS. Long-Term Results of a Phase III Randomized Trial of Postoperative Radiotherapy With or Without Carboplatin in Patients with High-Risk Head and Neck Cancer. *Laryngoscope* 118(3):444-449, 2008, PMID: 18091334.
54. Coon D, Beriwal S, **Heron DE**, Kelley JL, Edwards RP, Sukumvanich P, Zorn KK, Krivak TC. High –Dose-Rate Rotte “Y” Applicator Brachytherapy for Definitive Treatment of Medically Inoperable Endometrial Cancer: 10-Year Results. *Int J Radiat Oncol Biol Phys* 71(3):779-83, 2008, PMID: 18258388.
55. Beriwal S, **Heron DE**, Mogus R, Edwards RP, Kelley JL, Sukumvanich P. High-dose Rate Brachytherapy (HDRB) for Primary or Recurrent Cancer in the Vagina. *Radiat Oncol* 2008;13,3:7, PMID: 18271958.
56. **Heron DE** (senior/corresponding author), Brufsky A, Beriwal S, Kurman M. Myelotoxicity of Samarium SM153 Lexidronam in Patients Receiving Prior Treatment with Chemotherapy or Radiotherapy. *Ann Oncol* 19(9):1639-1643, 2008, PMID: 18467311.
57. Beriwal S, Coon D, **Heron DE**, Kelley JL, Edwards RP, Sukumvanich P, Zorn KK, Krivak TC. Preoperative Intensity-modulated Radiotherapy and Chemotherapy for Locally Advanced Vulvar Carcinoma. *Gynecol Oncol* 109(2):291-295, 2008, PMID: 18455637.
58. Nayak JV, Walvekar RR, Andrade RS, Daamen N, Lai SY, Argiris A, Smith RP, **Heron DE**, Ferris RL, Johnson JT, Branstetter BF 4th. Deferring planned neck dissection following chemoradiation for stage IV head and neck cancer: the utility of PET-CT. *Laryngoscope* 117(12):2129-2134, 2008, PMID: 17921898.
59. Coon D, Gokhale AS, Burton SA, **Heron DE**, Ozhasoglu C, Christie N. Fractionated Stereotactic Body Radiation Therapy in the Treatment of Primary, Recurrent, and Metastatic Lung Tumors: The Role of Positron Emission Tomography/computed Tomography-based Treatment Planning. *Clin Lung Cancer* 9(4):217-221, 2008, PMID: 18650169.
60. Morgenlander KH, Winters SB, Lin CJ, Robertson IB, **Heron DE** (senior author), Herberman RB. Novel Method for Benchmarking Recruitment of African American Cancer Patients to Clinical Therapeutic Trials. *J Clin Oncol* 26(31):5074-5077, 2008, PMID: 18809610.
61. Ozhasoglu C, Saw CB, Chen H, Burton S, Komanduri K, Yue NJ, Huq SM, **Heron DE**. Synchrony-cyberknife Respiratory Compensation Technology. *Med Dosim* 33(2):117-123, 2008, PMID: 18456163.
62. **Heron DE** (senior/corresponding author), Andrade RS, Beriwal S, Smith RP. PET-CT in Radiation Oncology The Impact on Diagnosis, Treatment Planning, and Assessment of Treatment Response. *Am J Clin Oncol* 31(4):352-362, 2008, PMID: 18845994.
63. Walvekar RR, Li RJ, Gooding WE, Gibson MK, **Heron DE**, Johnson JT, Ferris RL. Role of Surgery in Limited (T1-2, NO-1) Cancers of the Oropharynx. *Laryngoscope* 118(12):2129-34, 2008, PMID: 18948826.
64. Haley M, Beriwal S, **Heron D** (senior/corresponding author), Kim H, Falk J, Johnson R, Mogus R. MammoSite[®] Accelerated Partial Breast Irradiation: A Single-institution

- Outcomes Analysis with 2 Years of Followup. *Brachytherapy* 8(1):9-13, 2009, PMID: 18955020.
65. Lin CJ, Schwaderer KA, Morgenlander KH, Ricci EM, Hoffman L, Martz E, Cosgrove RH, **Heron DE** (senior author). Factors Associated with Patient Navigators' Time Spent on Reducing Barriers to Cancer Treatment. *J Nat Med Assoc* 100(11):1290-1297, 2008, PMID: 19024225.
 66. Ragin C, Edwards R, **Heron DE**, Kuo J, Wentzel E, Gollin SM, Taioli E. Prevalence of Cancer-associated Viral Infections in Healthy Afro-Caribbean Populations: A Review of the Literature. *Cancer Invest* 26(9):936-947, 2008, PMID: 19034776.
 67. Encabo RS, McHugh J, Carrau RL, Kassam A, **Heron D**. Follicular Dendritic Cell Sarcoma of the Nasopharynx. *Am J Otolaryngol* 29(4):262-264, 2008, PMID: 18598838.
 68. **Heron DE** (senior/corresponding author), Shogan JE, Mucenski JW. Innovations in Chemotherapy and Radiation Therapy: Implications and Opportunities for the Asia-Pacific Rim. *Biomed Imaging Interv J* 4(3):e40, 2008.
 69. Michalski D, Sontag M, Li F, de Andrade RS, Uslene I, Brandner ED, **Heron DE**, Yue N, Huq MS. Four-dimensional Computed Tomography-based Interfractional Reproducibility Study of Lung Tumor Intrafractional Motion. *Int J Radiat Oncol Biol Phys* 71(3):714-724, 2009, PMID: 18514778.
 70. Ragin CC, Edwards RP, Jones J, Thurman NE, Hagan KL, Jones EA, Moss CM, Smith AC, Akers A, Gollin SM, **Heron DE**, Andraos-Selim C, Bondzi C, Robertson L, Taioli E. Knowledge About Human Papillomavirus and the HPV Vaccine – A Survey of the General Population. *Infect Agents Cancer* 4(Suppl 1):1-9, 2009, PMCID: PMC2638455, PMID: 19208201.
 71. Thurman N, Ragin C, **Heron DE**, Alford RJ, Andraos-Selim C, Bondzi C, Butcher JA, Coleman JC, Glass C, Klewien B, Minor AT, Williams EJ, Taioli E. Comparison of Knowledge and Attitudes Toward Cancer Among African Americans. *Infect Agents Cancer* 4(Suppl 1):1-7, 2009, PMCID: PMC2638460, PMID: 19208206.
 72. Chen H, Wu A, Brandner ED, **Heron DE**, Huq MS, Yue NJ, Chen W-C. Dosimetric Evaluations of the Interplay Effect in Respiratory-gated Intensity-modulated Radiation Therapy. *Med Phys* 36(3):892-903, 2009, PMID: 19378749.
 73. Pennathur A, Luketich JD, **Heron DE**, Abbas G, Burton S, Chen M, Gooding WE, Ozhasoglu C, Landreneau RJ, Christie NA. Stereotactic Radiosurgery for the Treatment of Stage I Non-small Cell Lung Cancer in High-risk Patients. *J Thorax Cardiovasc Surg* 137(3):597-604, 2009, PMID: 19258073.
 74. Beriwal S, Kim H, Coon D, Mogus R, **Heron DE**, Li X, Huq MS. Single Magnetic Resonance Imaging vs Magnetic Resonance Imaging/Computer Tomography Planning in Cervical Cancer Brachytherapy. *Clin Oncol* 21(6):483-487, 2009, PMID: 19423307.
 75. **Heron DE** (senior/corresponding author), Ferris RL, Karamouzis M, Andrade RS, Deeb EL, Burton S, Gooding W, Branstetter BF, Mountz JM, Johnson JT, Argiris A, Grandis JR, Lai SY. Stereotactic Body Radiotherapy for Recurrent Squamous Cell Carcinoma of the Head and Neck: Results of a Phase I Dose-Escalation Trial. *Int J Radiat Oncol Biol Phys* 75(5):1493-500, 2009, PMID: 19464819.

76. Morgenlander KH, **Heron DE**, Schenken LL. Use of Partnership Strategies to Build Radiation Oncology Disparities Research Programs in Five Western Pennsylvania Communities: An Organizational Case Study. *Soc Work Public Health* 24(4):277-304, 2009, PMID: 19517297.
77. Morgenlander KH, Schenken LL, **Heron DE** (senior author), Klewien B, Lin CJ, Block B, Schwaderer K, McNelly SL. Creation of Community-based Research Capabilities in the Neighborhood Cancer Care Cooperative: Administrative Infrastructure, Program Initiatives, and Evaluation Priorities. *Soc Work Public Health* 24(4):305-329, 2009, PMID: 19517298.
78. Morgenlander KH, Tsai HL, Schenken LL, **Heron DE** (senior author), Klewien B, Lin CJ, Schwaderer K, McNelly SL. Evaluation of Formative Development in the Neighborhood Cancer Care Cooperative. *Soc Work Public Health* 24(4):330-354, 2009, PMID: 19517299.
79. Zhao B, Yang Y, Li T, Li X, **Heron DE**, Huq MS. Image-guided Respiratory-gated Lung Stereotactic Body Radiotherapy: Which Target Definition Is Optimal? *Med Phys* 36(6):2248-2257, 2009, PMID: 19610314.
80. Parikh S, **Heron DE** (senior/corresponding author). Fractionated Radiosurgical Management of Intramedullary Spinal Cord Metastases: A Case Report and Review of the Literature. *Clin Neurol Neurosurg* 111(10):858-61, 2009, PMID: 19640634.
81. Gokhale AS, McLaughlin BT, Flickinger JC, Beriwal S, **Heron DE** (senior author), Ferris RL, Johnson J, Gibson MK, Argiris A, Smith RP. Clinical and Dosimetric Factors Associated with a Prolonged Feeding Tube Requirement in Patients Treated with Chemoradiation (CRT) for Head and Neck Cancer. *Anal of Oncol* 21(1):145-51, 2009, PMID: 19602566.
82. Bhatnagar AK, Beriwal S, **Heron DE** (senior author), Flickinger JC, Deutsch M, Huq MS, Sontag M, Shogan J. Initial Outcomes Analysis for Large Multicenter Integrated Cancer Network Implementation of Intensity Modulated Radiation Therapy for Breast Cancer. *Breast J* 15(5):468-474, 2009, PMID: 19624420.
83. Pennathur A, Luketich JD, **Heron DE**, Schuchert MJ, Burton S, Abbas G, Gooding WE, Ferson PF, Ozhasoglu C, Gilbert S, Landreneau RJ, Christie NA. Stereotactic radiosurgery for the treatment of lung neoplasm: experience in 100 consecutive patients. *Ann Thorac Surg*. 88(5):1594-600, 2009, PMID: 19853118.
84. McLaughlin BT, Gokhale AS, Shuai Y, Diacopoulos J, Carrau R, **Heron DE**, Smith RP, Gibson MK, Ferris RL, Grandis JR, Johnson JT, Argiris A. Management of patients treated with chemoradiotherapy for head and neck cancer without prophylactic feeding tubes: The University of Pittsburgh experience. *Laryngoscope*. 120(1):71-75, 2009, PMID: 19877245.
85. Fu W, Yang Y, Yue NJ, **Heron DE**, Huq MS. A cone beam CT-guided online plan modification technique to correct interfractional anatomic changes for prostate cancer IMRT treatment. *Phys Med Biol*. 2009 Mar 21;54(6):1691-703. PMID: 19242051.
86. Rwigema JC, **Heron DE** (senior/corresponding author), Ferris RL, Gibson M, Quinn A, Yang Y, Ozhasoglu C, Burton S. Fractionated Stereotactic Body Radiation Therapy in the Treatment of Previously-Irradiated Recurrent Head and Neck Carcinoma: Updated Report of the University of Pittsburgh Experience. *Am J Clin Oncol*. 33(3):286-93, 2010, PMID: 19875950.

87. Schenken LL, **Heron DE**, Saw CB, Proctor JW. A multi-institutional mobility model for regional deployment of Telesynergy telemedicine systems. *J Telemed Telecare*. 15(8):377-82, 2009, PMID: 19948703.
88. Wegner RE, Rodriguez KD, **Heron DE** (senior/corresponding author), Hirsch BE, Ferris RL, Burton SA. Linac-based Stereotactic Radiation Therapy for Treatment of Glomus Jugulare Tumors. *Radio Oncol* ;97(3):395-398, 2010 PMID: 20950881.
89. **Heron DE** (senior/corresponding author), Rwigema JC, Gibson MK, Burton SA, Quinn AE, Ferris RL. Concurrent Cetuximab With Stereotactic Body Radiotherapy for Recurrent Squamous Cell Carcinoma of the Head and Neck: A Single Institution Matched Case-Control Study. *Am J Clin Oncol*. 2011 Apr;34(2):165-72. PMID: 20686406.
90. Rajagopalan MS, **Heron DE** (senior/corresponding author). Role of PET/CT Imaging in Stereotactic Body Radiotherapy. *Future Oncol*. 6(2):305-17, 2010, PMID: 20146589.
91. Razfar A, Branstetter BF 4th, Christopoulos A, Lebeau SO, Hodak SP, **Heron DE**, Escott EJ, Ferris RL. Clinical Usefulness of Positron Emission Tomography-computed Tomography in Recurrent Thyroid Carcinoma. *Arch Otolaryngol Head Neck Surg*. 136(2):120-5, 2010, PMID: 20157055.
92. Razfar A, **Heron DE**, Branstetter BF 4th, Seethala RR, Ferris RL. Positron Emission Tomography-computed Tomography Adds to the Management of Salivary Gland Malignancies. *Laryngoscope* 120(4):734-738, 2010. PMID: 20213798.
93. Wegner RE, Beriwal S, **Heron DE**, Richard SD, Kelly JL, Edwards RP, Sukumvanich P, Zorn KK, Krivak TC. Definitive radiation therapy for endometrial cancer in medically inoperable elderly patients. *Brachytherapy*. 9(3):260-265, 2010. PMID: 20122872.
94. Rwigema JC, Parikh SD, **Heron DE** (senior/corresponding author), Howell M, Zeh H, Moser AJ, Bahary N, Quinn A, Burton SA. Stereotactic Body Radiotherapy in the Treatment of Advanced Adenocarcinoma of the Pancreas. *Am J Clin Oncol*. 34(1):53-59, 2011 PMID: 20308870.
95. Paravati AJ, **Heron DE** (senior author), Gardner PA, Snyderman C, Ozhasoglu C, Quinn A, Burton S, Seelman K, Mintz AH. Combined Endoscopic Endonasal Surgery and Fractionated Stereotactic Radiosurgery (fSRS) for Complex Cranial Base Tumors-Early Clinical Outcomes. *Technol Cancer Res Treat* 8(5):489-498, 2010.
96. Rwigema JC, **Heron DE** (senior/corresponding author), Parikh SD, Zeh HJ 3rd, Moser JA, Bahary N, Ashby K, Burton SA. Adjuvant Stereotactic Body Radiotherapy for Resected Pancreatic Adenocarcinoma with Close or Positive Margins. *J Gastrointest Cancer*. 43(1):70-76, 2012 PMID: 20809393.
97. Rwigema JC, **Heron DE** (senior/corresponding author), Ferris RL, Andrade RS, Gibson MK, Yang Y, Ozhasoglu C, Argiris AE, Grandis JR, Burton SA. The Impact of Tumor Volume and Radiotherapy Dose on Outcome in Previously Irradiated Recurrent Squamous Cell Carcinoma of the Head and Neck Treated With Stereotactic Body Radiation Therapy. *Am J Clin Oncol* 2011 Aug;34(4):372-9.PMID: 20859194.
98. Klewien BA, Hammond S, Roberts C, Petereit D, **Heron DE**. Cancer Disparities Research in Community Hospitals. *Community Oncology* 7(9):419-424, 2010.

99. Argiris A, **Heron DE**, Smith RP, Kim S, Gibson MK, Lai SY, Branstetter BF, Posluszny DM, Wang L, Seethala RR, Dacic S, Gooding W, Grandis JR, Johnson JT, Ferris RL. Induction Docetaxel, Cisplatin, and Cetuximab Followed by Concurrent Radiotherapy, Cisplatin, and Cetuximab and Maintenance Cetuximab in Patients With Locally Advanced Head and Neck Cancer. *J Clin Oncol* 28(36):5294-5300, 2010. PMID: 21079141.
100. DeFoe SG, Pennathur A, Flickinger JC, **Heron DE**, Gibson MK, Luketich JD, Greenberger JS. Retrospective Review of Patients With Locally Advanced Esophageal Cancer Treated at the University of Pittsburgh. *Am J Clin Oncol* 2011 Dec;34(6):587-92. PMID: 22101387.
101. Paravati AJ, **Heron DE** (senior/corresponding author), Landsittel D, Flickinger JC, Mintz A, Chen YF, Huq MS. Radiotherapy and temozolomide for newly diagnosed glioblastoma and anaplastic astrocytoma: validation of Radiation Therapy Oncology Group-Recursive Partitioning Analysis in the IMRT and temozolomide era. *J Neurooncol*. 2011 Aug;104(1):339-49. PMID: 21181233.
102. Torok J, Wegner RE, Burton SA, **Heron DE** (senior/corresponding author). Stereotactic body radiation therapy for adrenal metastases: a retrospective review of a noninvasive therapeutic strategy. *Future Oncol*. 2011 Jan;7(1):145-151. PMID: 21174545.
103. Feinstein TM, Lai SY, Lenzner D, Gooding W, Ferris RL, Grandis JR, Myers EN, Johnson JT, **Heron DE**, Argiris A. Prognostic factors in patients with high-risk locally advanced salivary gland cancers treated with surgery and postoperative radiotherapy. *Head Neck*. 33(3):318-323, 2011. PMID: 21284048.
104. Walvekar RR, Andrade Filho PA, Seethala RR, Gooding WE, **Heron DE**, Johnson JT, Ferris RL. Clinicopathologic features as stronger prognostic factors than histology or grade in risk stratification of primary parotid malignancies. *Head Neck*. 2011 Feb;33(2):225-31. PMID: 21298822.
105. Li T, Li X, Yang Y, **Heron DE**, Huq MS. A novel off-axis scanning method for an enlarged ellipse cone-beam computed tomography field of view. *Med Phys*. 2010 Dec;37(12):6233-9. PMID: 21302780.
106. Haley ML, Gerszten PC, **Heron DE** (senior/corresponding author), Chang Y-F, Atteberry DS, Burton SA. Efficacy and cost-effectiveness analysis of external beam and stereotactic body radiation therapy in the treatment of spine metastases: a matched-pair analysis. *J Neurosurg Spine* 2011 Apr;14(4):537-542. PMID: 21314284.
107. Zhao B, Yang Y, Li T, Li X, **Heron DE**, Huq MS. Statistical analysis of target motion in gated lung stereotactic body radiation therapy. *Phys Med Biol*. 2011 Feb 11;56(5):1385-1395. PMID: 21317481.
108. Passero VA, Branstetter BF, Shuai Y, **Heron DE**, Gibson MK, Lai SY, Kim SW, Grandis JR, Ferris RL, Johnson JT, Argiris A. Response assessment by combined PET-CT scan versus CT scan alone using RECIST in patients with locally advanced head and neck cancer treated with chemoradiotherapy. *Ann Oncol*. 2010 Nov;21(11):2278-83. PMID: 20430907.
109. Fernando HC, Landreneau RJ, Mandrekar SJ, Hillman SL, Nichols FC, Meyers B, DiPetrillo TA, **Heron D**, Jones DR, Daly BD, Starnes SL, Hatter JE, Putnam JB. The impact of adjuvant brachytherapy with sublobar resection on pulmonary function and dyspnea in high-risk patients with operable disease: preliminary results from the American

College of Surgeons Oncology Group Z4032 trial. *J Thorac Cardiovasc Surg.* 2011 Sep;142(3):554-62. Epub 2011 Jul 2. PMID: 21724195

110. Argiris A, Karamouzis MV, Smith R, Kotsakis A, Gibson MK, Lai SY, Kim S, Branstetter BF, Shuai Y, Romkes M, Wang L, Grandis JR, Ferris RL, Johnson JT, **Heron DE** (senior author). Phase I trial of pemetrexed in combination with cetuximab and concurrent radiotherapy in patients with head and neck cancer. *Ann Oncol.* 2011 Nov;22(11):2482-8. PMID: 21363880.
111. Li X, Li T, Yang Y, **Heron DE**, Huq MS. A novel image-domain-based cone-beam computed tomography enhancement algorithm. *Phys Med Biol.* 2011 Apr 5;56(9):2755-2766. PMID: 21464532.
112. Torok JA, Wegner RE, Mintz AH, **Heron DE** (corresponding author), Burton SA. Re-irradiation with Radiosurgery for Recurrent Glioblastoma Multiforme, *Technol Cancer Res Treat.* 2011; 10(3):253-258.
113. Olson AC, Wegner RE, Scicutella C, **Heron DE**, Greenberger JS, Huq MS, Bednarz G, Flickinger JC. Quality Assurance Analysis of a Large Multicenter Practice: Does Increased Complexity of Intensity-Modulated Radiotherapy Lead to Increased Error Frequency? *Int J Radiat Oncol Biol Phys.* 2012 Jan 1;82(1):e77-82. PMID: 21497453.
114. O'Neill M, **Heron DE** (senior/corresponding author), Flickinger JC, Smith R, Ferris RL, Gibson M. Posttreatment Quality-of-Life Assessment in Patients With Head and Neck Cancer Treated With Intensity-modulated Radiation Therapy. *Am J Clin Oncol.* 2011 Oct;34(5):478-82. PMID: 21537150.
115. Bria C, Wegner RE, Clump DA, Vargo JA, Mintz AH, **Heron DE** (corresponding author), Burton SA. Fractionated stereotactic radiosurgery for the treatment of meningiomas. *J Cancer Res.* Jan-Mar;7(1):52-7, 2011. PMID: 21546743.
116. Fernando HC, Landreneau RJ, Mandrekar SJ, Hillman SL, Nichols FC, Meyers B, Dipetrillo TA, **Heron DE**, Jones DR, Daly BD, Starnes SL, Tan A, Putnam JB. Thirty- and ninety-day outcomes after sublobar resection with and without brachytherapy for non-small cell lung cancer: Results from a multicenter phase III study. *J Thorac Cardiovasc Surg.* 2011 Nov;142(5):1143-51. PMID: 21872277.
117. Terezakis SA, **Heron DE**, Lavigne RF, Diehn M, Loo BW. What the Diagnostic Radiologist Needs to Know about Radiation Oncology. *Radiology.* 2011 Oct;261(1):30-44. PMID: 2193140.
118. Rwigema J-C M, Wegner RE, Mintz AH, Paravati AJ, Burton SA, Ozhasoglu C, **Heron DE** (Senior Author). Stereotactic Radiosurgery to the Resection Cavity of Brain Metastases: A Retrospective Analysis and Literature Review. *Stereo Funct Neuro* 2011; 89(6):329-337. PMID: 22005839.
119. DeFoe SG, Beriwal S, Jones H, Rakfal S, **Heron DE**, Kabolizadeh P, Smith RP, Lalonde R. Concurrent Chemotherapy and Intensity--Modulated Radiation Therapy for Anal Carcinoma - Clinical Outcomes in a Large National Cancer Institute-Designated Integrated Cancer Centre Network. *Clinical Oncology.* 2012 Aug; 24(6):424-31. Epub 2011 Nov. PMID: 22075444.

120. Vargo JA, Wegner RE, **Heron DE** (corresponding author), Ferris RL, Rwigema JC, Quinn A, Gigliotti P, Ohr J, Kubicek GJ, Burton S. Stereotactic body radiation therapy for locally recurrent, previously irradiated nonsquamous cell cancers of the head and neck. *Head Neck*. 2012 Aug; 34(8):1153-61. Epub Nov 11. PMID: 22076812
121. Defoe SG, Pennathur A, Flickinger JC, **Heron DE**, Gibson MK, Luketich JD, Greenberger JS. Retrospective review of patients with locally advanced esophageal cancer treated at the University of Pittsburgh. *Am J Clin Oncol*. 2011 Dec;34(6):587-92. PMID: 22101387
122. Beriwal S, Rajagopalan MS, Flickinger JC, Rakfal SM, Rodgers E, **Heron DE**. How Effective are Clinical Pathways with and Without Online Peer-Review? An Analysis of Bone Metastases Pathway in a Large, Integrated National Cancer Institute-Designated Comprehensive Cancer Center Network. *Int J Radiat Oncol Biol Phys*. 2012 Jul 15; 83(4): 1246-51 Epub Jan 13. PMID: 22245207.
123. DeFoe SG, Bernard ME, Rwigema J-C, **Heron DE** (senior/corresponding author), Ozhasoglu C, Burton S. Stereotactic body radiotherapy for the treatment of presacral recurrences from rectal cancers. *J Cancer Res Therapeutics* 2011 Oct-Dec;7(4):408-11. PMID: 22269400.
124. Patel VB, Wegner RE, **Heron DE** (senior/corresponding author), Flickinger JC, Gerszten P, Burton SA. Comparison of Whole versus Partial Vertebral Body Stereotactic Body Radiation Therapy for Spinal Metastases. *Technol Cancer Res Treat*. 2012 Apr;11(2):105-15. PMID: 22335404.
125. Kabolizadeh P, Kubicek GJ, **Heron DE**, Ferris RL, Gibson MK. The role of cetuximab in the management of head and neck cancers. *Expert Opin Biol Ther*. 2012 Apr;12(4):517-28. PMID: 22413826.
126. Wang K, **Heron DE** (senior/corresponding author), Flickinger JC, Rwigema JC, Ferris RL, Kubicek GJ, Ohr JP, Quinn AE, Ozhasoglu C, Branstetter BF. A retrospective, deformable registration analysis of the impact of PET-CT planning on patterns of failure in stereotactic body radiation therapy for recurrent head and neck cancer. *Head Neck Oncol*. 2012 Apr 19;4(1):12. PMID: 22515371.
127. Vargo JA, **Heron DE** (senior/corresponding author), Ferris RL, Rwigema JC, Wegner RE, Kalash R, Ohr J, Kubicek GJ, Burton S. Prospective evaluation of patient-reported quality-of-life outcomes following SBRT ±cetuximab for locally-recurrent, previously-irradiated head and neck cancer. *Radiother Oncol*. 2012 Jul; 104(1):91-5. PMID: 22677037.
128. **Heron DE** (senior/corresponding author), Rajagopalan MS, Stone B, Burton S, Gerszten PC, Dong X, Gagnon GJ, Quinn A, Henderson F. Single-session and multisession CyberKnife radiosurgery for spine metastases-University of Pittsburgh and Georgetown University experience. *J Neurosurg Spine*. 2012 Jul;17(1):11-8, Epub 2012 May 11. PMID: 22578235.
129. Leeman JE, Clump DA, Wegner RE, **Heron DE**, Burton SA, Mintz AH. Prescription dose and fractionation predict improved survival after stereotactic radiotherapy for brainstem metastases. *Radiat Oncol*. 2012 Jul; 11;7(1):107. PMID: 22784482.
130. Bernard ME, Wegner RE, Reineman K, **Heron DE**, Kirkwood J, Burton SA, Mintz AH. Linear accelerator based stereotactic radiosurgery for melanoma brain metastases. *J Cancer Res Ther*. 2012 Apr-Jun;8(2):215-21. PMID: 22842364.

131. Zhao B, Yang Y, Li T, Li X, **Heron DE**, Huq MS. Dosimetric effect of intrafraction tumor motion in phase gated lung stereotactic body radiotherapy. *Med Phys*. 2012 Nov;39(11):6629-37. PMID: 21127057.
132. Caicedo-Granados E, Beswick DM, Christopoulos A, Cunningham DE, Razfar A, Ohr JP, **Heron DE**, Ferris RL. Oncologic and Functional Outcomes of Partial Laryngeal Surgery for Intermediate-Stage Laryngeal Cancer. *Otolaryngol Head Neck Surg*. 2013 Feb; 148(2):235-42. Epub 2012 Nov 6. PMID: 23131825.
133. Olson AC, Wegner RE, Rwigema J-C M, **Heron DE** (senior/corresponding author), Burton SA, Mintz AH. Clinical outcomes of reirradiation of brain metastases from small cell lung cancer with CyberKnife stereotactic radiosurgery. *J Cancer Res Ther*. 2012 Jul-Sep; 8(3):411-6. PMID: 23174724
134. Wang K, **Heron DE** (senior/corresponding author), Clump DA, Flickinger JC, Kubicek GJ, Rwigema JC, Ferris RL, Ohr JP, Quinn AE, Ozhasoglu C, Branstetter BF. Target delineation in stereotactic body radiation therapy for recurrent head and neck cancer: a retrospective analysis of the impact of margins and automated PET-CT segmentation. *Radiother Oncol*. 2013 Jan;106(1):90-5. Epub 2013 Jan 17. PMID: 23333021
135. Wegner RE, Leeman JE, Kabolizadeh P, Rwigema JC, Mintz AH, Burton SA, **Heron DE**. Fractionated Stereotactic Radiosurgery for Large Brain Metastases. *Am J Clin Oncol*. 2013 Apr 3 [Epub ahead of print] 2015 Apr;38(2):135-9. PMID: 23563213.
136. Beriwal S, Shukla G, Shinde A, **Heron DE**, Kelley JL, Edwards RP, Sukumvanich P, Richards S, Olawaiye AB, Krivak TC. Preoperative intensity modulated radiation therapy and chemotherapy for locally advanced vulvar carcinoma: analysis of pattern of relapse. *Int J Radiat Oncol Biol Phys*. 2013 Apr 1;85(5):1269-74. Epub 2012 Dec 27. PMID: 23273997
137. Lim CM, Clump DA, **Heron DE**, Ferris RL. Stereotactic Body Radiotherapy (SBRT) for primary and recurrent head and neck tumors. *Oral Oncol*. 2013 May;49(5):401-6. Epub 2013 Jan 16. PMID: 23332685
138. Fu W, Yang Y, Yue NJ, **Heron DE**, Saiful Huq M. Dosimetric influences of rotational setup errors on head and neck carcinoma intensity-modulated radiation therapy treatments. *Med Dosim*. 2013 Summer;38(2):125-32. Epub 2012 Dec 21. PMID: 23266161
139. McDermott M, Hughes M, Rath T, Johnson JT, **Heron DE**, Kubicek GJ, Kim SW, Ferris RL, Duvvuri U, Ohr JP, Branstetter BF. Negative Predictive Value of Surveillance PET/CT in Head and Neck Squamous Cell Cancer. *AJNR Am J Neuroradiol*. 2013 Aug; 34(8):1632-6. Epub ahead of print 2013 May 2. PMID: 23639557
140. Defoe SG, Kabolizadeh P, **Heron DE**, Beriwal S. Dosimetric parameters predictive of acute gastrointestinal toxicity in patients with anal carcinoma treated with concurrent chemotherapy and intensity-modulated radiation therapy. *Oncology*. 2013;85(1):1-7. Epub 2013 Jun 1. PMID: 23736101

141. Ramalingam SS, Kotsakis A, Tarhini AA, **Heron DE**, Smith R, Friedland D, Petro DP, Raez LE, Brahmer JR, Greenberger JS, Dacic S, Hershberger P, Landreneau RJ, Luketich JD, Belani CP, Argiris A. A multicenter phase II study of cetuximab in combination with chest radiotherapy and consolidation chemotherapy in patients with stage III non-small cell lung cancer. *Lung Cancer*. 2013 Sep; 81(3):416-21. Epub ahead of print 2013 Jul 10. PMID: 23849982
142. Vargo JA, **Heron DE**, Ferris RL, Rwigema JC, Kalash R, Wegner RE, Ohr J, Burton S. Examining tumor control and toxicity following stereotactic body radiotherapy in locally-recurrent, previously-irradiated head-and-neck cancers: Implications of treatment duration and tumor volume. *Head Neck*. 2013 Aug 22. doi: 10.1002/hed.23462. [Epub ahead of print] PMID: 24038398
143. Kabolizadeh P, Kalash R, Huq MS, Greenberger JS, **Heron DE**, Beriwal S. Dosimetric Definitions of Total Lung Volumes in Calculating Parameters Predictive for Radiation-induced Pneumonitis. *Am J Clin Oncol*. 2013 Sep 21. [Epub ahead of print] PMID: 24064747
144. Beriwal S, Shinde A, Rajagopalan MS, Kannan N, **Heron DE**, Deutsch M. Recommendations for Post-Mastectomy Radiation Therapy after Neo-adjuvant Chemotherapy: An International Survey of Radiation Oncologists. *Breast J*. 2013 Nov-Dec;19(6):683-4. PMID: 24118536.
145. Vargo JA, Kubicek GJ, Ferris RL, Duvvuri U, Johnson J, DO JO, Clump DA, Burton S, **Heron DE**. Adjuvant stereotactic body radiotherapy ± cetuximab following salvage surgery in previously-irradiated head-and-neck cancer. *Laryngoscope*. 2013 Oct 1. doi: 10.1002/lary.24441. [Epub ahead of print] PMID:24123056.
146. Kim CH, Ling DC, Wegner RE, Flickinger JC, **Heron DE**, Zeh H, Moser AJ, Burton SA. Stereotactic body radiotherapy in the treatment of Pancreatic Adenocarcinoma in elderly patients. *Radiat Oncol*. 2013 Oct 16;8(1):240. PMID:24131503.
147. Rajagopalan MS, **Heron DE**, Wegner RE, Zeh HJ, Bahary N, Krasinskas AM, Lembersky B, Brand R, Moser AJ, Quinn AE, Burton SA. Pathologic Response with Neoadjuvant Chemotherapy and Stereotactic Body Radiotherapy for Borderline Resectable and Locally-Advanced Pancreatic Cancer. *Radiat Oncol*. 2013 Oct 31; 8(1):254. PMID: 24175982.
148. Leeman JE, Clump DA, Flickinger JC, Mintz AH, Burton SA, **Heron DE**. Extent of perilesional edema differentiates radionecrosis from tumor recurrence following stereotactic radiosurgery for brain metastases. *Neuro Oncol*. 2013 Dec;15(12):1732-8. PMID:24243914
149. Li X, Yang Y, Li T, Fallon K, **Heron DE**, Huq MS. Dosimetric effect of respiratory motion on volumetric-modulated arc therapy-based lung SBRT treatment delivered by TrueBeam machine with flattening filter-free beam. *J Appl Clin Med Phys*. 2013 Nov 4;14(6):4370. PMID:24257279
150. Vargo JA, Verma V, Kim H, Kalash R, **Heron DE**, Johnson R, Beriwal S. Extended (5-year) Outcomes of Accelerated Partial Breast Irradiation Using MammoSite Balloon Brachytherapy: Patterns of Failure, Patient Selection, and Dosimetric Correlates for Late Toxicity. *Int J Radiat Oncol Biol Phys*. 2014 Feb 1;88(2): 285-91. [Epub ahead of print 2013 Nov 21]. PMID:24268787.

151. Schenken LL, Rakfal SM, **Heron DE**, Proctor JW, Wilson SS, Ricci EM. Inexpensive Solutions to Enhance Remote Cancer Care in Community Hospitals. *Community Oncology*. 2013 Nov;10(11): 316-324.
152. Li T, Li X, Yang Y, Zhang Y, **Heron DE**, Huq MS. Simultaneous reduction of radiation dose and scatter for CBCT by using collimators. *Med Phys*. 2013 Dec;40(12):121913. PMID:24320524
153. Vivas EX, Wegner R, Conley G, Torok J, **Heron DE**, Kabolizadeh P, Burton S, Ozhasoglu C, Quinn A, Hirsch BE. Treatment Outcomes in Patients Treated With CyberKnife Radiosurgery for Vestibular Schwannoma. *Otol Neurotol*. 2014. Jan;35(1):162-70. PMID:24335934
154. Riley C, Yang Y, Li T, Zhang Y, **Heron DE**, Huq MS. Dosimetric Evaluation of the Interplay Effect in Respiratory-Gated RapidArc Radiation Therapy. *Med Phys*. 2014 Jan; 41(1): 011715. PMID: 24387507.
155. Horne ZD, Clump DA, Vargo JA, Shah S, Beriwal S, Burton SA, Quinn AE, Schuchert MJ, Landreneau RJ, Christie NA, Luketich JD, **Heron, DE**. Pretreatment SUVmax Predicts Progression-Free Survival in Early-Stage Non-Small Cell Lung Cancer Treated with Stereotactic Body Radiation Therapy. *Radiat Oncol*. 2014 Jan; 30;9:41. PMID: 24479954.
156. Horne ZD, Clump DA, Shah S, Vargo JA, Burton SA, Christie NA, Schuchert MJ, Landreneau RJ, Luketich JD, **Heron DE**. Pretreatment SUVmax as a Marker for Progression-Free Survival in Stage I NSCLC Treated With SBRT. *Pract Radiat Oncol*. 2013 Apr-Jun;3(2 Suppl 1):S3-4. Epub 2013 Mar 25. PMID: 24674539
157. Allison RR, Ambrad AA, Arshoun Y, Carmel RJ, Ciuba DF, Feldman E, Finkelstein SE, Gandhavadi R, **Heron DE**, Lane SC, Longo JM, Meakin C, Papadopoulos D, Pruitt DE, Steinbrenner LM, Taylor MA, Wisbeck WM, Yuh GE, Nowotnik DP, Sonis ST. Multi-institutional, randomized, double-blind, placebo-controlled trial to assess the efficacy of a mucoadhesive hydrogel (MuGard) in mitigating oral mucositis symptoms in patients being treated with chemoradiation therapy for cancers of the head and neck. *Cancer*. 2014 May 1;120(9):1433-40. PMID:24877167
158. Fernando HC, Landreneau RJ, Mandrekar SJ, Nichols FC, Hillman SL, **Heron DE**, Meyers BF, DiPetrillo TA, Jones DR, Starnes SL, Tan AD, Daly BD, Putnam JB Jr. Impact of Brachytherapy on Local Recurrence Rates After Sublobar Resection: Results From ACOSOG Z4032 (Alliance), a Phase III Randomized Trial for High-Risk Operable Non-Small-Cell Lung Cancer. *J Clin Oncol*. 2014 Jun 30. pii: JCO.2013.53.4115. [Epub ahead of print]. PMID:24982457
159. Michalski D, Huq MS, Bednarz G, **Heron DE**. The Use of Strain Tensor to Estimate Thoracic Tumors Deformation. *Medical Physics*. 2014 July 41(7):073503. PMID: 24989417
160. Ling DC, Kabolizadeh P, **Heron DE**, Ohr JP, Wang H, Johnson J, Kubicek GJ. Incidence of Hospitalization in Patients with Head and Neck Cancer Treated with Intensity-Modulated Radiation Therapy. *Head Neck*. 2014 Jul 2 [Epub ahead of print]. PMID: 24986324
161. Vargo JA, Ferris RL, Clump DA, **Heron DE**. Stereotactic body radiotherapy as primary treatment for elderly patients with medically inoperable head and neck cancer. *Front Oncol*. 2014 Aug 11; 4:214. PMID:25157336.

162. Davis KS, Vargo JA, Ferris RL, Burton SA, Ohr JP, Clump DA, **Heron DE**. Stereotactic body radiotherapy for recurrent oropharyngeal cancer - Influence of HPV status and smoking history. *Oral Oncol*. 2014 Nov; 50(11):1104-8. PMID:25175942
163. Wong RS, Vikram B, Govern FS, Petereit DG, Maguire PD, Clarkson MR, **Heron DE**, Coleman CN. National Cancer Institute's Cancer Disparities Research Partnership Program: Experience and Lessons Learned. *Front Oncol*. 2014 Nov 3;4:303. PMID: 25405101
164. Quan K, Rajagopalan MS, **Heron DE**. Stereotactic Body Radiation Therapy Is a Cost-Effective Alternative to Intensity-Modulated Radiation Therapy. *J Clin Oncol*. 2014 Oct 20; 32(30): 3451. PMID:25185091
165. Rwigema JC, Nguyen D, **Heron DE**, Chen AM, Lee P, Wang PC, Vargo JA, Low DA, Huq MS, Tenn S, Steinberg ML, Kupelian P, Sheng K. 4 π Noncoplanar Stereotactic Body Radiation Therapy for Head-and-Neck Cancer: Potential to Improve Tumor Control and Late Toxicity. *Int J Radiat Oncol Biol Phys*. 2015 Feb 1;91(2):401-9. PMID: 25482301
166. Fernando HC, Landreneau RJ, Mandrekar SJ, Nichols FC, DiPetrillo TA, Meyers BF, **Heron DE**, Hillman SL, Jones DR, Starnes SL, Tan AD, Daly BD, Putnam JB, Alliance for Clinical Trials in Oncology. Analysis of longitudinal quality-of-life data in high-risk operable patients with lung cancer: Results from the ACOSOG Z4032 (Alliance) multicenter randomized trial. *J Thorac Cardiovasc Surg*. 2014 Nov 13. [Epub ahead of print] PMID: 25500100
167. Ling DC, Vargo JA, Wegner RE, Flickinger JC, Burton SA, Engh J, Amankulor N, Quinn AE, Ozhasoglu C, **Heron DE**. Postoperative stereotactic radiosurgery to the resection cavity for large brain metastases: clinical outcomes, predictors of intracranial failure, and implications for optimal patient selection. *Neurosurgery*. 2015 Feb;76(2):150-7. PMID: 25549189
168. Rhieu BH, Rajagopalan MS, Sukumvanich P, Kelley JL, Ahrendt GM, **Heron DE**, Beriwal S. Patterns of care for omission of radiation therapy for elderly women with early-stage breast cancer receiving hormonal therapy. *Pract Radiat Oncol*. 2015 Jan 22. [Epub ahead of print] PMID: 25620165
169. Zhao B, Yang Y, Li X, Li T, **Heron DE**, Saiful Huq M. Is high-dose rate RapidArc-based radiosurgery dosimetrically advantageous for the treatment of intracranial tumors? *Med Dosim*. 2015 Spring;40(1):3-8. PMID: 25645205.
170. Vargo JA, Ferris RL, Ohr J, Clump DA, Davis KS, Duvvuri U, Kim S, Johnson JT, Bauman JE, Gibson MK, Branstetter BF, **Heron DE**. A prospective phase 2 trial of reirradiation with stereotactic body radiation therapy plus cetuximab in patients with previously irradiated recurrent squamous cell carcinoma of the head and neck. *Int J Radiat Oncol Biol Phys*. 2015 Mar 1;91(3):480-8. Epub 2015 Jan 30. PMID: 25680594.
171. Rajagopalan MS, Flickinger JC, **Heron DE**, Beriwal S. Changing practice patterns for breast cancer radiation therapy with clinical pathways: An analysis of hypofractionation in a large, integrated cancer center network. *Pract Radiat Oncol*. 2015 Mar-Apr;5(2):63-9. PMID: 25748004.

172. Xu KM, Quan K, Clump DA, Ferris RL, **Heron DE**. Stereotactic ablative radiosurgery for locally advanced or recurrent skull base malignancies with prior external beam radiation therapy. *Front Oncol*. 2015 Mar 17;5:65. PMID: 25853093.
173. Holt DE, Gill BS, Clump DA, Leeman JE, Burton SA, Amankulor NM, Engh JA, **Heron DE**. Tumor bed radiosurgery following resection and prior stereotactic radiosurgery for locally persistent brain metastasis. *Front Oncol*. 2015 Apr 8;5:84. PMID: 25905042.
174. Gill BS, Clump DA, Burton SA, Christie NA, Schuchert MJ, **Heron DE**. Salvage stereotactic body radiotherapy for locally recurrent non-small cell lung cancer after sublobar resection and i(125) vicryl mesh brachytherapy. *Front Oncol*. 2015 May 11;5:109. PMID: 26029665.
175. Li T, Burton S, Flickinger J, **Heron DE**, Huq MS. SU-E-T-40: A Method for Improving Dose Gradient for Robotic Radiosurgery. *Med Phys*. 2015 Jun;42(6):3339. PMID: 26127706.
176. Lalonde R, **Heron D**, Readshaw A, Huq M. SU-E-T-129: Are Knowledge-Based Planning Dose Estimates Valid for Distensible Organs? *Med Phys*. 2015 June;42(6):3361. PMID: 26127795.
177. Chapman BV, Rajagopalan MS, **Heron DE**, Flickinger JC, Beriwal S. Clinical Pathways: A Catalyst for the Adoption of Hypofractionation for Early-Stage Breast Cancer. *Int J Radiat Oncol Biol Phys*. 2015 Nov 15;93(4):854-61. [Epub 2015 Aug 7] PMID: 26530754
178. Quan K, Xu KM, Lalonde R, Horne ZD, Bernard ME, McCoy C, Clump DA, Burton SA, **Heron DE**. Treatment Plan Technique and Quality for Single-Isocenter Stereotactic Ablative Radiotherapy of Multiple Lung Lesions with Volumetric-Modulated Arc Therapy or Intensity-Modulated Radiosurgery. *Front Oncol*. 2015 Oct 6;5:213. PMID: 26500888
179. Schenker Y, Arnold RM, Bauman JE, **Heron DE**, Johnson JT. An enhanced role for palliative care in the multidisciplinary approach to high-risk head and neck cancer. *Cancer*. 2015 Oct 27. [Epub ahead of print] PMID: 26505177.
180. Pennathur A, Luketich JD, **Heron DE**, Schuchert MJ, Bianco V, Clump D, Burton S, Abbas G, Gooding WE, Ozhasoglu C, Landreneau RJ, Christie NA. Stereotactic Radiosurgery/Stereotactic Body Radiotherapy for Recurrent Lung Neoplasm: An Analysis of Outcomes in 100 Patients. *Ann Thorac Surg*. 2015 Dec;100(6):2019-24. PMID: 26387725.
181. Davis KS, Lim CM, Clump DA, **Heron DE**, Ohr JP, Kim S, Duvvuri U, Johnson JT, Ferris RL. Tumor volume as a predictor of survival in human papillomavirus-positive oropharyngeal cancer. *Head Neck*. 2015 Dec 17. [Epub ahead of print] PMID: 26681273.
182. Gebhardt BJ, Rajagopalan MS, Gill BS, **Heron DE**, Rakfal SM, Flickinger JC, Beriwal S. Impact of dynamic changes to a bone metastases pathway in a large, integrated, National Cancer Institute–designated comprehensive cancer center network. *Pract Radiat Oncol*. 2015 Nov-Dec;5(6):398-405. Epub 2015 Jul 4. PMID: 26432676.
183. Quan K, Xu KM, Zhang Yongqian, Clump DA, Flickinger JC, Lalonde R, Burton SA, **Heron DE**. Toxicities Following Stereotactic Ablative Radiotherapy Treatment of Locally-Recurrent and Previously-Irradiated Head and Neck Squamous Cell Carcinoma. *Seminars in Radiation Oncology*. Nov 2015. doi:10.1016/j.semradonc.2015.11.007

Editorials

1. Editorial Response – **Heron DE**, Andrade RS, Flickinger J, Johnson J, Agarwal SS, Wu A, Kalnicki S, Avril N. Hybrid PET-CT Simulation for Radiation Treatment Planning in Head and Neck Cancers: A Brief Technical Report. *Int J Radiat Oncol Biol Phys*, 62(4):1255-6, 2004.
2. Editorial – **Heron DE**. Stereotactic Body Radiation Therapy for Recurrent Head & Neck Cancers: Rethinking Nonoperative Salvage Strategies. *Future Oncology* 5(9): 1321-1325, 2009.
3. Editorial – **Heron DE**, Mintz A. CyberKnife® Stereotactic Radiosurgery. *Technol Cancer Res Treat*. 2010 9(5):431-440. PMID: 20815414.
4. Editorial - Mintz A, **Heron DE**. CyberKnife® Robotic Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy. *Technol Cancer Res Treat*. 2010 Dec;9(6):539-40. PMID: 21070075.
5. Editorial Response – Rwigema JC, **Heron DE** (corresponding author). Fractionated Stereotactic Radiosurgery for Reirradiation of Head-and-Neck Cancer: In Regard to Unger et al, *Int J Radiat Oncol Biol Phys*. 2010 Aug 1;77(5):1411-9 *Int J Radiat Oncol Biol Phys*. 2012 Mar 15;82(4):1323; author reply 1323-4. (Accepted, MS# ROB-D-10-01265)
6. Editorial Response – Kubicek GJ, **Heron DE**, Ferris RL. ACR Appropriateness Criteria of Recurrent Head-and-Neck Cancer After Prior Definitive Radiation. (*Int J Radiat Oncol Biol Phys* 2011;80:1292-1298). *Int J Radiat Oncol Biol Phys* 2012 Mar 15;82(4):1322-3; author reply 1315-6.
7. Letter to the Editor - Vargo JA, **Heron DE**, Ferris RL, Rwigema JC, Wegner RE. Re-Irradiation Strategies for Head-and-Neck Cancers: Implications for Stereotactic Body Radiotherapy: In regard to Chen et al (*Int J Radiat Oncol Biol Phys* 2011;81:1211-1219). *Int J Radiat Oncol Biol Phys*. 2012 Jul 1;83(3):769-70. PMID: 22633548
8. Letter to the Editor – Vargo JA, Rwigema JC, **Heron DE**. Salvage stereotactic reirradiation with or without cetuximab for locally recurrent head-and-neck cancer: a feasibility study: In regard to Comet et al (*Int J Radiat Oncol Biol Phys*. 2012 Sep 1; 84(1):203-9. *Epub* 2012 Feb 11. PMID: 23517802). *Int J Radiat Oncol Biol Phys*. 2013 Apr 1;85(5):1155-6. PMID: 22331006.
9. Letter to the Editor - Rajagopalan MS, Beriwal S, **Heron DE**. Clinical Pathways: A Tool to Transform Practice Patterns. In regard to Olson et Al and Ellsworth et al. *Int J Radiat Oncol Biol Phys*. 2014 Dec 1;90(5):1258. PMID: 25539376
10. Editorial Response - Vargo JA, **Heron DE**. Clinical Application of Stereotactic Body Radiotherapy (SBRT): Cranium to Prostate. *Front Oncol*. 2015 Dec 7;5:266. eCollection 2015. PMID: 26697404.

Peer reviewed articles

1. **Heron DE**. JURMC: The Metamorphosis Continues. *JURMC* 1995;7(1):2.

2. Wright KE, **Heron DE**. Gross Anatomy: The Medical Students' Gateway to Medicine. *JURMC* 71995;35.

Other refereed articles

1. Hogle WP, Quinn AE, **Heron DE**. Advances in Brachytherapy: New Approaches to Target Breast Cancer. *Clin J Oncol Nursing*. 2003;7(3)324-328. PMID: 12793340

Books and book chapters

1. Andrade RS, Kalnicki S, **Heron DE**. Nutritional Considerations in Radiation Therapy. In: Waitzberg DL. *Dieta, Nutrição e Cancer*, Publisher: Livraria Atheneu, Ed., Rio De Janeiro, Brazil, 2004.
2. **Heron DE**, Beriwal S, Avril N. FDG-PET and PET/CT in Radiation Therapy Simulation and Management of Patients with Primary and Recurrent Breast Cancer. *PET Clinics*;1:39-49 In: The Clinics of North America, Publisher Elsevier, Norbert Avril, Ed, St. Louis, MO, 2005.
3. de Andrade RS, **Heron DE**. Radiation Treatment Planning for Head and Neck Malignancies. *PET Clinics* 2:511-519 In: The Clinics of North America, Publisher Elsevier, T.M. Blodgett, M.B. Fukui Eds, St. Louis, MO, 2008.
4. Kubicek GJ, **Heron DE**. Clinical Applications of PET-Computed Tomography in Planning Radiotherapy: General Principles and an Overview. *Pet Clinics* Beriwal S, Macklis RM, Basu S Eds 6(2), WB Saunders Company, A Division of Elsevier, Inc., Philadelphia, PA 2011.
5. **Heron DE**, Tishler RB, (eds.) *Head and Neck Cancer*. Radiation Medicine Rounds 2(2), 2011.
6. Kubicek, GJ, **Heron DE**. Optimizing Treatment Strategies in Recurrent Head and Neck Cancers, Heron DE, Tishler RB (eds.) *Head and Neck Cancer*. Radiation Medicine Rounds 2(2), 2011.
7. **Heron DE**, Wegner R, Mintz A, Huq MS. Robotic Image Guided Radiation Therapy, 325-334. Levitt SH, Purdy JA, Perez CA, Poortmans P (eds.) *Technical Basis of Radiation Therapy Practical Clinical Applications* (5th Edition), Springer-Verlag Berlin and Heidelberg GmbH & Co., 2011.

Published abstracts

1. **Heron DE**, Constone LS, Duerst R, et al. Peri-transplant Morbidity and Mortality in Bone Marrow Transplant Patients Occurring within 60 Days Post-Infusion. *JURMC* 1992;4(2):42.
2. **Heron DE**. Esthesioneuroblastoma. *JURMC* 1995;7(2):29.

3. Komarnicky LT, **Heron DE**, Hyslop T, Schwartz G, Mansfield CM. Bilateral Breast Cancer—Double Jeopardy, Double Trouble? An Analysis of Risk Factors and Outcomes. 41st Annual Meeting, American Society of Therapeutic Radiation and Oncology (ASTRO), San Antonio, TX, 1999 *Int J Radiat Oncol Biol Phys* 1999;45(3 Supp.1):308-309.
4. **Heron DE**, Heideman R, Langston J, Parikh S, Mulhern RK, Jenkins JJ, Sanford RA, Kun LE. Pediatric Dorsally Exophytic Brain Stem Gliomas: Radiologic and Clinicopathologic Correlation. 41st Annual Meeting, American Society of Therapeutic Radiation and Oncology (ASTRO), San Antonio, TX, *Int J Radiat Oncol Biol Phys* 1999;45(3 Supp.1):234-235.
5. Gerszten K, **Heron DE**, Brufsky AM. Concurrent Bisphosphonate with Radionuclide for Treatment of Osseous Metastases in Breast Cancer. 3rd European Breast Cancer Conference, Barcelona. *Eur J Cancer* 2002;39(Suppl 3)38:S73.
6. **Heron DE**, Bhatnagar A, Blodgett TM, Meltzer CC, Townsend DW, Yap, JT, et al . PET/CT Staging and Re-Staging Patients with Cervical Carcinoma. *Society of Nuclear Medicine* Presented January 12, 2002.
7. Stein DE, **Heron DE**, Rosato EL, Topham AK, Rosato FE. Positive Microscopic Margins Do Not Alter Outcome in Hilar Cholangiocarcinoma when Resection is Combined with Adjuvant Radiotherapy. *American Radium Society (ARS)*, Puerto Rico 2002;10:46(3):16.
8. Bhatnagar A, **Heron DE**, Blodgett TM, Meltzer CC, Townsend DW, Yap J, McCook B, Gerszten K, Sit A, Edwards R, Comerci J, Gallion H. Integrated PET/CT for Re-staging Patients with Ovarian Carcinoma. *Radiological Society of North America (RSNA) 2002 Radiol* 225(P):599.
9. **Heron DE**, Bhatnagar A, Blodgett TM, Meltzer CC, Townsend DW, Yap J, McCook B, Gerszten K, Sit A, Edwards R, Comerci J, Gallion H. PET/CT in Staging and Re-staging Patients with Carcinoma of the Uterine Cervix. *Radiological Society of North America (RSNA) 2002 Radiol* 225(P):597.
10. **Heron DE**, Bhatnagar A, Blodgett TM, Meltzer CC, Townsend DW, Yap, JT, et al. PET/CT Staging and Re-Staging Patients with Cervical Carcinoma. *American Society of Clinical Oncology (ASCO) J Clin Oncol* 2002;21(1):211a.
11. Selvaraj RN, **Heron DE**, Gerszten K, King GC, Wu A, Kalnicki S. SYED-Neblett Template Interstitial Implant Versus Intensity Modulated Radiotherapy for the Treatment of Gynecologic Malignancies: A Comparative Study of Dose-Volume Histograms. *Radiological Society of North America (RSNA) 2002 Radiol* 225(P):170.
12. Komarnicky LT, **Heron DE**, Hyslop T, Schwartz GF, Mansfield CM. Bilateral Breast Cancer—Double Jeopardy, Double Trouble? An Evaluation of Risk Factors and Outcomes. 41st Annual Meeting, American Society of Therapeutic Radiation and Oncology (ASTRO), San Antonio, TX, *Int J Radiat Oncol Biol Phys*, Special Issue 1999;45:31001:308-309.
13. Selvaraj RN, Gerszten K, King GC, Sonnik D, **Heron DE**. Conventional 3-D Versus Intensity Modulated Radiotherapy for the Adjuvant Treatment of Gynecologic Malignancies: A Comparative Study of Dose-Volume Histograms and the Potential Impact of Toxicities. 42nd Annual Meeting, American Society of Therapeutic Radiation and Oncology (ASTRO) *Int J Radiat Oncol Biol Phys* 2001;51(3):S218-S219.

14. Chen CT, **Heron DE**, Henderson S, Downes MB, Bedarz G, Werner-Wasik M, Andrews DW, Curran WJ. Conventionally Fractionated Stereotactic Radiotherapy for the Treatment of Craniopharyngioma. 42nd Annual Meeting, American Society of Therapeutic Radiation and Oncology (ASTRO):*Int J Radiat Oncol Biol Phys* 2001;51(3):S250.
15. Gerszten K, **Heron DE**, Zamboni B, Gooding W, Faul C. A Single Institutional Experience with High-dose Rate and Low-dose Rate Brachytherapy for Cervical Cancer. 42nd Annual Meeting, American Society of Therapeutic Radiation and Oncology (ASTRO) *Int J Radiat Oncol Biol Phys* 2001;51(3):S331-S332.
16. **Heron DE**, Karimpour S, Grigsby P. Anaplastic Thyroid Carcinoma: A Comparison of Conventional Radiotherapy and Hyperfractionated Chemoradiation in Two Groups. American Radium Society (ARS), Las Crobas, Puerto Rico 2002;10:46(3);16.
17. Bhatnagar A, **Heron DE**, Kondziolka D, Lunsford LD, Flickinger JC. An Analysis of Repeat Stereotactic Radiosurgery for Progressive Primary and Metastatic CNS Tumors. American Radium Society (ARS), Las Crobas, Puerto Rico 2002 P-07, 31.
18. Brufsky AM, **Heron DE**, Gerszten K. Concurrent Bisphosphonate with Radionuclide for Treatment of Osseous Metastases in Breast Cancer. European Breast Care Conference 3 (EBCC), Barcelona, Spain, *E J Cancer* 2002 38 (Suppl 3) S73.
19. Wu A, Lee J, King GC, Libby B, **Heron DE**, Gerszten K, Kalnicki S. Analysis and Evaluations of Accuracies of Dose Validations for Three Different IMRT Inverse Treatment Planning Systems. American Association of Physicists in Medicine (AAPM) San Diego, CA, *Med Phys* 2003;30(6);1351-1352.
20. King GC, Mogus R, **Heron DE**, Selvaraj RN, Wu A, Gerszten K. Geometric Center Comparison for the MammoSite[®] HDR Brachytherapy Applicator. Poster American Association of Physicists in Medicine (AAPM) San Diego, CA *Med Phys* 30(6);1463.
21. **Heron DE**, Gerszten K, Brufsky A, Kurman M. The Effect of Chemotherapy (CT) and Extended Beam Radiotherapy (RT) on Bone Marrow (BM) Toxicity of Radionuclides in the Treatment of Bone Metastases Secondary to Breast Cancer. 2004 American Society of Clinical Oncology (ASCO) New Orleans, LA *Annual Meeting Proceedings*, 2004;23:75.
22. Chen H, Brandner E, Wu A, Krishna KV, Kalnicki S, **Heron DE**. Dosimetric Evaluations and Analyses of A Moving Target Volume Treated with Respiratory-Gated Intensity Modulated Radiotherapy. American Association of Physicists in Medicine (AAPM), Pittsburgh, PA 2004 *Med Phys* 2004;31(6);1752.
23. Myron G, Selvaraj RN, Chen A, Cole D, Wagner K, Pourarian RJ, Mehta K, Saw CB, **Heron DE**, Wu A, Kalnicki S. Comparison of Intraoperative Ultrasound Dosimetry to Post Implant CT Dosimetry in Permanent I-125 Prostate Brachytherapy. American Association of Physicists in Medicine (AAPM), Pittsburgh, PA *Med Phys* 2004;31(6):1898
24. Kuo G, Wu A, Gerszten K, Brandner E, Lee CC, Lalonde R, **Heron DE**. A Novel IMRT Technique of Total Abdominal Irradiation (TI) for Ovarian Cancer Patients. American Association of Physicists in Medicine (AAPM), Pittsburgh, PA *Med Phys* 2004;31(6);1789.
25. Brandner E, Wu A, Chen H, **Heron DE**, Kalnicki S, Henning G, Gerszten K, Burton S, Ahmed I. Quantitative Studies of Abdominal Organ Motions Resulting from Respiration

- Using Retrospective 4D CT Imaging. American Association of Physicists in Medicine (AAPM), Pittsburgh, PA *Med Phys* 2004;31(6):1912.
26. Selvaraj RN, Wu A, King G, Mogus R, Sonnik D, Fitian ID, Gerszten K, **Heron DE**, Saw CB, Kalnicki S. In Vivo TLD Dosimetry for a High Dose Rate (HDR) Breast Brachytherapy Using MammoSite[®] Applicator. American Association of Physicists in Medicine (AAPM), Pittsburgh, PA *Med Phys* 2004;31(6):1895.
 27. Selvaraj RN, Fitian ID, Krishna KV, Mogus R, Gerszten K, **Heron DE**, Saw CB, Wu A, Kalnicki S. Treatment Planning Parameters and Their Dose Relationships for a Balloon Catheter-Based Breast Brachytherapy Using MammoSite[®] Applicator. American Association of Physicists in Medicine (AAPM), Pittsburgh, PA *Med Phys* 2004;31(6):1924.
 28. Fitian ID, Selvaraj RN, Saw CB, Gerszten K, **Heron DE**, Wu A, Kalnicki S. Inverse Problem Solution for Dose Prescription of Deformed-Shape MammoSite[®] Balloon Applicator. American Association of Physicists in Medicine (AAPM), Pittsburgh, PA *Med Phys* 2004;31(6):1897.
 29. Komanduri K, Wu A, Saw C, Kalnicki S, **Heron D**, Lalonde R. An Integrated Network Design and Implementation on Wide Area Network for a Multi-Site Radiation Therapy Department. American Association of Physicists in Medicine (AAPM), Pittsburgh, PA *Med Phys* 2004;31(6):1818.
 30. Varlotta JM, Gallion H, Gerszten K, **Heron D**, Kalnicki S, Comerchi J, Schwartz B, Gautam S, Stevenson M, Chura J. The Nephrotoxic Effects of Intensity-Modulated Radiotherapy Delivered to the Para-aortic Area of Women with Gynecologic Malignancies. American Society for Therapeutic Radiation Oncology (ASTRO), Atlanta, GA. *Int J Radiat Oncol Biol Phys* 2004;60(Supp)S488.
 31. Voynov G, **Heron DE**, Lin CJ, Chen A, Quinn A, Santos R, Colonias A, Landreneau R. Intraoperative I-125 Vicryl Mesh Brachytherapy After Sublobar Resection for High-risk Stage I Non-small Cell Lung Cancer. American Society for Therapeutic Radiation Oncology (ASTRO), Atlanta, GA. *Int J Radiat Oncol Biol Phys* 2004;60(Supp)S240-S241.
 32. Ahmed I, Brandner E, Bhatnagar AK, Kalnicki S, Burton S, Deutsch M, **Heron DE**. 3-D Conformal Radiotherapy Versus 4-D Respiratory Gated Radiotherapy: A Comparative Dosimetric Study for Treatment of Lung Carcinoma. American Society for Therapeutic Radiation Oncology (ASTRO), Atlanta, GA. *Int J Radiat Oncol Biol Phys*;2004 60(Supp)S255.
 33. Andrade R, Voynov G, Lalonde R, Lin CJ, Kalnicki S, Gerszten K, **Heron DE**. Acute Gastrointestinal and Genitourinary Toxicity in Woman with Gynecologic Malignancies Treated with Intensity-Modulated Radiotherapy. American Society for Therapeutic Radiation Oncology (ASTRO), Atlanta, GA. *Int J Radiat Oncol Biol Phys*;2004 60(Supp)S58-S59.
 34. Colonello K, Gerszten K, **Heron DE**, Fitian ID, Comerchi J. Feasibility of Concurrent Cisplatin and Extended Field Radiation Therapy (EFRT) Using Intensity Modulated Radiotherapy for Carcinoma of the Cervix. American Society for Therapeutic Radiation Oncology (ASTRO), Atlanta, GA. *Int J Radiat Oncol Biol Phys* 2004;60(Supp)S301-S302.
 35. Sonnik D, Bhatnagar A, Brandner E, Gerszten K, Deutsch M, **Heron DE**. Intensity-Modulated Radiation Therapy (IMRT) Reduces the Dose to the Contralateral Breast When

Compared to Conventional Tangential Fields for Primary Breast Irradiation. American Society for Therapeutic Radiation Oncology (ASTRO), Atlanta, GA, *Int J Radiat Oncol Biol Phys* 2004;60(Supp)S394-S395.

36. Surgent, Robert, Bhatnagar AK, Brandner E, Deutsch M, Sonnik D, Gerszten K, **Heron DE**. Does Breast Size Affect the Scatter Dose to the Ipsilateral Lung, Heart, or Contralateral Breast in Primary Breast Irradiation Using Intensity-Modulated Radiation Therapy (IMRT)? American Society for Therapeutic Radiation Oncology (ASTRO), Atlanta, GA. *Int J Radiat Oncol Biol Phys* 2004;60(Supp)S393-S394.
37. Brandner E, Wu A, Chen H, **Heron D**, Kalnicki S, Burton S. Lung Tumor Motion Measured Using Retrospective 4D CT and Correlated with Tumor Location and Attachment. American Society for Therapeutic Radiation Oncology (ASTRO), Atlanta, GA. *Int J Radiat Oncol Biol Phys* 2004;60(Supp)S288-S289.
38. Quinn A, **Heron DE**, Kalnicki S, Avril N, Markovitz E, Andrade R. PET-CT: A Beneficial Tool in Radiation Therapy Treatment Planning. Oncology Nursing Society , 2004.
39. Bhatnagar AK, Beriwal S, **Heron DE**, Gerszten K, Selvaraj R, Mogus R, Comerci. Primary Treatment of Medically Inoperable Endometrial Cancer with Multi-Channel Uterine (Rotte-Y) Applicator. American Brachytherapy Society (ABS), *Brachytherapy*, 2005 4:79.
40. Bhatnagar AK, Beriwal S, **Heron DE**, Selvaraj RS, Mogus R, Gerszten K, Comerci J, Image Guided High-dose Rate Interstitial Brachytherapy (HDRB) for Gynecological malignancies. American Brachytherapy Society (ABS), *Brachytherapy* 2005 4:92.
41. Chen X, Yue NJ, Saw CB, **Heron DE**, Stefanik D, Antemann R, Huq MS. An Independent Dose Verification Method for Dynamic Intensity Modulated Radiation Therapy. American Association of Physicists in Medicine (AAPM), Seattle, WA. *Med Phys* 2005 32(6):2166.
42. Shou Z, Zheng Z, Komanduri K, **Heron DE**, Huq MS, Yue NJ. Dosimetric Responses at Different Gantry and Collimator Angles in Dynamic MLC Beam Delivery. American Association of Physicists in Medicine (AAPM), Seattle, WA. *Med Phys* 2005 32(6):1994.
43. Selvaraj RN, Myron GP, Lalonde RJ, Yue NJ, **Heron DE**, Huq MD. Dosimetry Accuracy Of Delivery Of Gold Beam Data IMRT Plans on Similar Linear Accelerators with Same Vector. American Association of Physicists in Medicine (AAPM), Seattle, WA. *Med Phys* 2005 32(6):2089-2090.
44. Yue NJ, Mori J, **Heron DE**, Huq MS. External Beam Radiotherapy Boosts to Reduce the Impacts Caused by Edema in Prostate Permanent Seed Implants. American Association of Physicists in Medicine (AAPM), Seattle, WA. *Med Phys* 2005 32(6):2108.
45. Saw CB, Komanduri K, Selvaraj RN, Chen H, Li F, **Heron DE**. Image-Based Simulation Technique To Determine Stepping Source Dwell Position for MammoSite[®] Brachytherapy Procedures. American Association of Physicists in Medicine (AAPM), Seattle, WA. *Med Phys* 2005 32(6):1956.
46. Sontag ML, Chen X, Qin L, Ottino F, Chen H, Li F, Loper A, Komanduri K, Lalonde R, Yue NJ, **Heron DE**, Huq MS. Multi-Institutional Retrospective Analysis of IMRT QA Measurements. American Association of Physicists in Medicine (AAPM), Seattle, WA. *Med Phys* 2005 32(6):1985-1986.

47. Yue NJ, **Heron DE**, Komanduri K, Huq MS. On the Prescription Dose in Permanent Cs-131 Seed Prostate Implants. American Association of Physicists in Medicine (AAPM), Seattle, WA. *Med Phys* 2005 32(6):1952.
48. Brandner E, Wu A, Chen H, **Heron DE**, Kalnicki S, Komanduri K, Gerszten K, Burton S. Phase Lag Measurements of Abdominal Organs Relative to An External Marker Block Using Retrospective 4D CT American Association of Physicists in Medicine (AAPM), Seattle, WA. *Med Phys* 2005 32(6):1929.
49. Chen X, Yue NJ, Saw CB, **Heron DE**, Stefanik D, Antemann, Hug MS. Surface Dose Determination with an Interpolation-Extrapolation Method Using FDR2 Film. American Association of Physicists in Medicine (AAPM), Seattle, WA. *Med Phys* 2005 32(6):2000-2001.
50. Kim H, Wang Z, Lalonde R, Sontag M, Chen H, LI F, Smith R, Huq MS, **Heron DE**, Yue NJ. The Use of Diode in In-Vivo Dosimetry Quality Assurance in IMRT. American Association of Physicists in Medicine (AAPM), Seattle, WA. *Med Phys* 2005 32(6):1988-1989.
51. Agarwal A, Beriwal S, **Heron DE**, Falk J, Johnson R, Mogus R, Him H, Gerszten K, Deutsch M. Accelerated Partial Breast Irradiation: Single Institutional experience of 100 Patients Using MammoSite[®] Brachytherapy. American Society for Therapeutic Radiology and Oncology (ASTRO), Denver, CO, *Int J Radiat Oncol Biol Physics* 63 (Suppl. 1):S6-S, 2005.
52. Deutsch M, Bhatnagar A, **Heron DE**, Shogan J, Lalonde R, Huq S, Sontag M, Ross G, Andrade R, Beriwal S. Analysis of Acute Toxicity for Patients with Breast Cancer Treated with Intensity Modulated Radiation Therapy (IMRT). American Society for Therapeutic Radiology and Oncology (ASTRO), Denver, CO, *Int J Radiat Oncol Biol Physics*. 63 (Suppl. 1):S184-S185, 2005
53. Smith R, Bhatnagar A, **Heron DE**, Shogan J, Andrade R, Ross G, Lin CJ, Huq MS, Yue J, Sontag M, Quinn A. Dosimetric Correlation of Acute and Late Xerostomia with Patients Treated with IMRT and Chemotherapy. American Society for Therapeutic Radiology and Oncology (ASTRO), Denver, CO, *Int J Radiat Oncol Biol Physic*. 63 (Suppl. 1):S79, 2005
54. Shogan J, Bhatnagar A, **Heron DE**, Smith R, Andrade R, Ross G, Lin CJ, Sontag M, Lalonde R. Dosimetric Correlation of Oral Cavity Dose with Acute Mucositis in Patients Treated with Intensity-Modulated Radiation Therapy (IMRT) and Chemotherapy. American Society for Therapeutic Radiology and Oncology (ASTRO), Denver, CO, *Int J Radiat Oncol Biol Physics*. 63 (Suppl. 1):S74-S75, 2005
55. Beriwal S, **Heron DE**, Kim H, King G, Shogan J, Gerszten K, Lee, Comerci J. Intensity-Modulated Radiotherapy for the Treatment of Vulvar Carcinoma: a Comparative Dosimetric Study with Early Clinical Outcome. American Society for Therapeutic Radiology and Oncology (ASTRO), Denver, CO, *Int J Radiat Oncol Biol Physics*. 63 (Suppl. 1):S218, 2005.
56. Beriwal S, Kim H, **Heron DE**, Selvaraj RN. Comparison of 2D vs. 3D Dosimetry for Rotte "Y" Applicator High Dose Rate Brachytherapy for Medically Inoperable Endometrial Cancer. American Brachytherapy Society (ABS), *Brachytherapy* 2006;100.

57. Beriwal S, Jain SK, **Heron DE**, Kim H, Gerszten K, Edwards RP. Clinical Outcome with Adjuvant Treatment of Endometrial Carcinoma Using Intensity-Modulated Radiation Therapy. Society of Gynecologic Oncologists (SGO), Palm Springs, CA, *Gynecol Oncol* 2006;101(2):195-199.
58. Kim H, Beriwal S, **Heron DE**, Huq MS, Yue NJ. Dosimetric Evaluation of MammoSite Breast Treatments. American Association of Physicists in Medicine (AAPM), 2006, Orlando, FL.
59. Sontag M, Chen H, Michalski D, Andrade R, Uslene I, Fang L, Yue NJ, Huq MS, **Heron DE**. Feasibility Study of Management of Respiratory Motion for the Radiotherapy Treatment of Lung Cancer Patients in the Absence of a 4D CT Simulator. American Association of Physicists in Medicine (AAPM), 2006, Orlando, FL.
60. Yue NJ, Li X, Beriwal S, **Heron DE**, Sontag MR, Huq MS. Motion Induced Dosimetric Impacts in Breast 3D Radiation Treatment – A 4D CT Based Study. American Association of Physicists in Medicine (AAPM), 2006, Orlando, FL.
61. Michalski D, Sontag M, Li F, Andrade R, Uslene I, Brandner E, **Heron DE**, Yue NJ, Huq MS. 4D CT-based Study of Lung Tumor Motion Reproducibility. American Association of Physicists in Medicine (AAPM), Orlando, FL, 2006.
62. Li X, Zhang P, Kutcher GJ, Yue N, Yang Y, **Heron DE**, Huq MS. A Biological Model-based 4D Lung IMRT Plan Optimization Algorithm. American Association of Physicists in Medicine (AAPM), Orlando, FL. *Med Phys* 2006 33(6):2052.
63. Kim H, Huq MS, **Heron DE**, Yue NJ. Can the Use of Respiratory Gating Reduce Radiation Dose to Heart in Whole Left Breast Irradiation Treatment? – A Preliminary Study. American Association of Physicists in Medicine (AAPM), Orlando, FL *Med Phys* 2006 33(6):2076.
64. Fu W, Yang Y, Li X, **Heron DE**, Huq MS, Yue NJ. Dosimetric Effect of Patient Rotational Setup Errors on Prostate IMRT Plans. Poster 2006 AAPM, July 30-August 3, 2006, Orlando, FL. *Med Phys* 2006 33(6):2052.
65. Ding C, Li X, Huq MS, Saw CB, **Heron DE**, Yue NJ. The Effect of Respiratory Rate and Radiation Timing on Dose Coverage in Dynamic Breast IMRT. American Association of Physicists in Medicine (AAPM), Orlando, FL. *Med Phys* 2006 33(6):1987.
66. Yang Y, Yue NJ, Fu W, Li X, **Heron DE**, Huq S, Xing L. Time-resolved 4D Dynamic Arc Therapy. American Association of Physicists in Medicine (AAPM), Orlando, FL *Med Phys* 2006 33(6):2176.
67. Yue NJ, Yang Y, Ding C, Li F, Saw CB, **Heron DE**, Huq MS. The Influences of Detector Energy Dependence and Perturbation on the Determination of Small Field Output Factors. Poster 2006 AAPM, July 30-August 3, 2006, Orlando, FL. *Med Phys* 2006 33(6):2143.
68. Bhatnagar AK, **Heron DE**, Beriwal S, Flickinger JC, Smith RP, Deutsch M, Wang Y, Huq MC, Lalonde R, Shogan J. Initial Outcomes Results for Large Multi-Center Integrated Cancer Network for Treatment of Prostate Cancer with IMRT. American Society for Therapeutic Radiology and Oncology (ASTRO), Philadelphia, PA. *Int J Radiat Oncol Biol Physics* 2006;62 (Supp):69.

69. Beriwal S, Jain SK, **Heron DE**, de Andrade RS, Lin CJ, Kim K. Dosimetric and Toxicities Comparison Between Prone and Supine Position IMRT for Endometrial Cancer. American Society for Therapeutic Radiology and Oncology (ASTRO), Philadelphia, PA. *Int J Radiat Oncol Biol Physics* 2006; 62 (Supp):41-42, 2006.
70. Gan G, Beriwal S, **Heron DE**, Kelley JL, Edwards RP. Early Clinical Outcome with Concurrent Chemotherapy with Extended-field Radiotherapy Using IMRT for Cervix Cancer. American Society for Therapeutic Radiology and Oncology (ASTRO), Philadelphia, PA. *Int J Radiat Oncol Biol Physics* 2006;62 (Supp):668.
71. Usiene I, Smith RP, Andrade RS, **Heron DE**, McCoy C, Mohny M. A Comparison of Supine Intensity-Modulated Radiotherapy Treatment with Prone 3D Conformal Radiotherapy for Rectal Cancer: Preliminary Results of Dosimetric Analysis. American Society for Therapeutic Radiology and Oncology (ASTRO), Philadelphia, PA. *Int J Radiat Oncol Biol Physics* 2006;62 (Supp):296-297.
72. Ricci EM, Schenken EM, **Heron DE**. A Comprehensive Outcomes-Based Planning and Evaluation Program for Implementing TELESYNGERY[®] and Other Videoconferencing Approaches in Radiation Oncology. American Society for Therapeutic Radiology and Oncology (ASTRO), Philadelphia, PA. *Int J Radiat Oncol Biol Physics* 2006;62(Supp):520.
73. Brandner ED, Specht RP, Bahri S, Poltinnikov I, Huq M, **Heron D**. Evaluation of Ultrasound Localization Versus MV Portal Images of Fiducial Markers in Prostates. American Association of Physicists in Medicine (AAPM), Minneapolis, MN. *Med Phys* 2007;34(6):2332.
74. Yang Y, Fu W, Li F, **Heron DE**, Huq SM. Accuracy Assessment of an Optic-guided Target Localization System for Non-Invasive Intra-cranial SRS Using CBTC-based 3D/3D Match. American Association of Physicists in Medicine (AAPM), Minneapolis, MN. *Med Phys* 2007;34(6):2641.
75. Saw CB, Sargent R, Rakfal S, Huq MS, **Heron DE**. Treatment Errors in Radiation Therapy Performed Using Modern Technology. American Association of Physicists in Medicine (AAPM), Minneapolis, MN. *Med Phys* 2007;34(6):2499.
76. Li X, Ding C, Yang Y, Smith R, Deutsch M, Beriwal S, **Heron DE**, Huq MS. Ultrasound-guided Prostate IMRT Planning: An Ultrasound-CT Application. American Association of Physicists in Medicine (AAPM), Minneapolis, MN. *Med Phys* 2007;34(6):2564.
77. Weihua F, Yang Y, Yue NJ, **Heron DE**, Huq MS. A Cone Beam CT-guided Online Plan Modification Technique to Correct Interfractional Anatomic Changes for Prostate Cancer IMRT Treatment. American Association of Physicists in Medicine (AAPM), Minneapolis, MN. *Med Phys* 2007;34(6):2368.
78. Michalski D, Andrade R, Huq MS, **Heron D**. 4DCT-Based Study of Tumor and Lung Kinematics During Respiratory Cycle. American Association of Physicists in Medicine (AAPM), Minneapolis, MN. *Med Phys* 2007;34(6):2387.
79. Saw CB, Combine A, Ottino F, Quader M. Tao L, Bose S, Chen H, Huq S, **Heron DE**. Oversight Protocols in the Management of Large Number of Facility Sites. American Association of Physicists in Medicine (AAPM), Minneapolis, MN. *Med Phys* 2007;34(6):2400.

80. Ding C, Li X, Yang Y, **Heron DE**, Huq MS. Evaluating the Impact of Probe Depression on Prostate Displacement in Ultrasound-guided Prostate IMRT. American Association of Physicists in Medicine (AAPM), Minneapolis, MN. *Med Phys* 2007;34(6):2564.
81. Li F, Yang Y, **Heron D**, Chem H, Komanduri K, Saw C, Huq M. Patient Dose from Kilo-voltage Cone Beam Computed Tomography (kV-CBCT) Imaging. American Association of Physicists in Medicine (AAPM), Minneapolis, MN. *Med Phys* 2007;34(6):2381.
82. Atteberry DS, Haley M, Gerszten PC, Chang YF, Burton S, **Heron DE**. A Matched-Pair Cost Effective Analysis Comparing Patients with Previously Untreated Spinal Metastases Treated with Stereotactic Radiosurgery vs. Conventional External Beam Radiotherapy. Congress of Neurological Surgeons (CNS), San Diego, CA September 20, 2007.
83. **Heron DE**, Ferris R, Karamouzis M, Burton S, Lai S, Gooding W, Johnson J, Smith RP, Argiris AE, Grandis J. Phase I Dose Escalation Study of Fractionated Stereotactic Radiosurgery (fSRS) for Recurrent Squamous Cell Carcinoma of the Head and Neck (SCCHN). American Society of Clinical Oncology (ASCO), Chicago, IL. *Journal of Clinical Oncology*, 2007;25(18S):6029.
84. Smith R, Karamouzis M, **Heron DE**, Ferris R, Lai S, Kim S, Boyer T, Grandis J, Johnson J, Argiris A. Phase I Trial of Pemetrexed (P) in Combination with Cetuximab (C) and Concurrent Radiotherapy (RT) in Patients (PTS) with Head and Neck Cancer (HNC). American Society of Clinical Oncology (ASCO), Chicago, IL. *Journal of Clinical Oncology*, 2007;25(18S):6516.
85. Argiris A, Karamouzis VK, **Heron DE**, Smith R, Ferris R, Lai S, Kim S, Branstetter N, Johnson J, Grandis J. Phase II trial of Docetaxel (T), Cisplatin (P), and Cetuximab (E) Followed by Concurrent Radiation (RT), P, and E in Locally Advanced Head and Neck Squamous Cell Carcinoma (HNSCC). American Society of Clinical Oncology (ASCO), Chicago, IL. *Journal of Clinical Oncology*, 2007;25(28S):6051.
86. Johnson J, Agarwala S, Karamouzis MV, **Heron DE**, Eibling D, Cano E, Urba S, Gluckman J, Wang Y, Argiris A. Phase III Randomized Trial of Postoperative Radiotherapy (RT) with or without Carboplatin (Cb) in Patients (pts) with Head and Neck Squamous Cell Carcinoma (HNSCC). American Society of Clinical Oncology (ASCO), Chicago, IL. *Journal of Clinical Oncology*, 2007;25(18S):6078.
87. Ferris R, Agarwala SS, Cano E, **Heron DE**, Johnson J, Myers E, Sandulache V, Bahri S, Wang Y, Argiris A. Long-term Outcomes with Concurrent Carboplatin, Paclitaxel, and Radiation Therapy in Locally Advanced Inoperable Head and Neck Cancer. American Society of Clinical Oncology (ASCO), Chicago, IL. *Journal of Clinical Oncology*, 2007;25(18S):6032.
88. Gokhale AS, **Heron DE**, Burton S, Quinn A, Berlin R, Christie N. Fractionated Stereotactic Radiosurgery in the Management of Primary, Recurrent, and Metastatic Lung Lesions: The Role of PET/CT in Pre- and Post-treatment Disease Assessment. American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S153-S154.
89. Winters S, Lin CJ, Morgenlander KH, Robertson I, **Heron DE**, Herberman R.A. Novel Method to Benchmark the Recruitment of African Americans to Clinical Trials. American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S561.

90. Yang Y, **Heron DE**, Gillassan B, Fu W, Li F, Li X, Huq MS. Geometric and Dosimetric Accuracy Analysis of Kilovoltage Cone-beam Computer Tomography (kV CBCT) Guided Spinal Stereotactic Intensity Modulated Radiosurgery. American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA October 28-November 1, 2007. *Int J Radiat Oncol Bio Physics* 69(3) Suppl. 1:S742.
91. Fu W, Yang Y, Yue NJ, **Heron DE**, Huq MS. Study of Rotational Setup Errors and their Dosimetric Impacts on Head and Neck IMRT Treatments Using Kilovoltage Cone-beam Computed Tomography (Kv CBCT). American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S188.
92. Michalski D, Andrade RS, Huq S, **Heron DE**. Four-Dimensional Computed Tomography (4D-CT)-based Analysis of Intrafractional Esophageal Motion. American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S518-S519.
93. Li X, Ding C, Yong Y, Smith RP, Deutsch M, Beriwal S, **Heron DE**, Huq MS. An Investigation of the Accuracy of Ultrasound-CT Modality for Ultrasound Guided Prostate IMRT Planning. American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S678-S679.
94. Sontag M, **Heron DE**, Yang Y, Komanduri K, Lalonde R, Huq MS. Comparison of 2D-2D versus 3D-3D Matching for Image Guided Setup of Head and Neck Cancer Patients. American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S642.
95. Block B, Lin CJ, **Heron DE**, Neal-Ferguson DK, Bray LA, Goode T, Woods MS. Cancer Outreach and Education in African-American Communities: A Pre-Post Evaluation. American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S556-S557.
96. Kaushal A, Evans JJ, Rosen M, **Heron DE**, Gilbert M, Savino P, Downes MB, Werner-Wasik M, Curran W, Andrews D. Integration of Surgery with Fractionated Stereotactic Radiotherapy (FSR) for the Treatment of Residual or Recurrent Craniopharyngiomas: Minimizing Treatment-Related Morbidities. American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S246-S247.
97. Bhatnagar AK, **Heron DE**, Beriwal S, Smith R, Andrade RS, MS Huq, Rakfal S, Bhari S, Johnson J, Ferris R Wang Y. Outcomes Analysis of IMRT for Treatment of Head and Neck Cancers in a large Integrated Cancer Network. American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S552.
98. O'Neil M, **Heron DE**, Andrade RS, Flickinger J. An Analysis of Quality of Life Data in Head and Neck Cancer Patients Treated with IMRT. American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S588.
99. Gibson MK, Karamouxia MV, Smith R, **Heron DE**, Ferris R, Lai S, Kim S, Johnson J, Grandis J, Argiris A. Phase I Trial of Pemetrexed in Combination with Cetuximab and Concurrent Radiation in Head and Neck Cancer (HNC). American Society of Therapeutic

Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S454-S455.

100. Haley M, Beriwal S, **Heron D**, Falk J, Kim H, Mogus R, Johnson R. Accelerated Partial Breast Irradiation (APBI) with MammoSite™: An Interim Outcome Analysis with Two Years Follow-up. American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S235-S236.
101. Gan G, Beriwal S, **Heron D**, Kim H, Lalonde R. Can Bone Marrow Dosimetric Parameters Predict for Myelotoxicity in Cervical Cancer Patients Treated with Concurrent Chemotherapy and Extended-field Intensity-Modulated Pelvic Radiotherapy (ef-imrt)? American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S396-S396.
102. Parikh SD, **Heron DE**, Bhatnagar AK, Burton S, Beriwal S, Huq S, Yang Y, Ferris RL, Argiris AE. Impact of Chemotherapy (CT) on Parotid Dose-Volume Tolerance in Patients Treated with Intensity-Modulated Radiation Therapy for Head & Neck Cancers (HNC). American Society of Therapeutic Radiation Oncology (ASTRO), Los Angeles, CA. *Int J Radiat Oncol Bio Physics* 2007;69(3) Suppl. 1:S452.
103. Argiris A, Gibson M, **Heron DE**, Smith R, Ferris R, Lai S, Kim S, Branstetter B, Johnson J, Grandis J. Phase II Trial of Docetaxel (T), Cisplatin (P), and Cetuximab (E) Followed by Concurrent Radiation (X), P, and E in Locally Advanced Head and Neck Cancer (HNC). American Society of Clinical Oncology (ASCO), Chicago, IL May 30-June 3, 2008.
104. Grandis JR, Lai SY, Esteve F, Kim S, Ferris RL, Gibson M, Johnson R, **Heron DE**, Johnson JR, Argiris A. Erlotinib (E) as Adjuvant Treatment for Patients (pts) with Resected Head and Neck Squamous Cell Carcinoma (HNSCC) with Evaluation of Neoadjuvant Biomarker Modulation with E with or without Sulindac (S): a Preliminary Report. American Society of Clinical Oncology (ASCO), Chicago, IL May 30-June 3, 2008, 26(15):6037.
105. McLaughlin B, Diacopoulos J, Carrau R, **Heron DE**, Smith R, Gibson M, Ferris RL, Grandis JR, Johnson JT, Argiris A. Utilization of Gastrostomy Tubes During Chemoradiotherapy (CRT) for Head and Neck Cancer (HNC): the University of Pittsburgh Experience. Publication Only American Society of Clinical Oncology (ASCO), Chicago, IL May 30-June 3, 2008, 26(15):20657.
106. Passero VA, Branstetter BF, **Heron DE**, Gibson MK, Lai SY, Kim SW, Ferris RL, Grandis JR, Johnson JT, Argiris A. How to Best Assess Tumor Response After Curative Chemoradiotherapy (CRT) for Head and Neck Squamous Cell Carcinoma (HNSCC): RECIST or PET/CT? American Society of Clinical Oncology (ASCO), Chicago, IL May 30-June 3, 2008, 26(15)5023.
107. Gibson M, Smith R, **Heron DE**, Ferris RL, Lai S, Kim S, Boyer T, Johnson JT, Grandis JR, Argiris A. Phase I Trial of Permetrexed, Cetuximab and Concurrent Radiotherapy (RT) in Head and Neck Cancer (HNC). American Society of Clinical Oncology (ASCO), Chicago, IL May 30-June 3, 2008 26(15):2540.
108. Lai SY, Feinstein TM, Seethala RR, **Heron DE**, Ferris RL, Grandis JR, Myers EN, Johnson JT, Argiris A. Prognostic Factors in Patients with Locally Advanced Salivary Gland Cancers Treated with Surgery and Postoperative Radiotherapy (RT). American Society of Clinical Oncology (ASCO), Chicago, IL May 30-June 3, 2008 26(15):6045.

109. Argiris A, Gibson M, **Heron DE**, Smith R, Ferris RL, Lai S, Kim S, Branstetter BF, Johnson JT, Grandis JR. Phase II Trial of Neoadjuvant Docetaxel (T), Cisplatin (P)m and Cetuximab (E) Followed by Concurrent Radiation (X), P, and E in Locally Advanced Head and Neck Cancer (HNC). American Society of Clinical Oncology (ASCO), Chicago, IL May 30-June 3, 2008, 26(15):6002.
110. Ding C, Li X, Yang Y, Smith R, Deutsch M, Beriwal S, **Heron D**, Huq M. The Impact of Probe Angle and Tissue Elastic Module in Ultrasound-Guided Prostate IMRT. American Association of Physicists in Medicine (AAPM), Houston, TX, July 27-31, 2008, *Medical Physics* 35(6): 2635.
111. Li T, Li X, Yang Y, Li F, **Heron D**, Huq M. Model-Based Deconvolution for 4D PET. American Association of Physicists in Medicine (AAPM), Houston, TX, July 27-31, 2008, *Medical Physics* 35(6): 2635.
112. Li X, Li T, Yang Y, **Heron D**, Huq M. An Image-Domain Based Cone Beam CT Scatter Correction Method. American Association of Physicists in Medicine (AAPM), Houston, TX, July 27-31, 2008, *Medical Physics* 35(6): 2646-7.
113. Michalski D, Huq M, **Heron D**. Semi-Automatic Structure Delineation Using Deformable Image Registration. American Association of Physicists in Medicine (AAPM), Houston, TX, July 27-31, 2008, *Medical Physics* 35(6): 2663.
114. Li X, Ding C, Yang Y, Smith R, Deutsch M, Beriwal S, **Heron D**, Huq M. An Accuracy Improvement of Ultrasound-CT Modality for Ultrasound Guided Prostate IMRT Planning. American Association of Physicists in Medicine (AAPM), Houston, TX, July 27-31, 2008, *Medical Physics* 35(6): 2684.
115. Yang Y, Kim J, Li F, Li X, Li T, Yue N, **Heron D**, Huq M. An Experimental and Monte Carlo Study of Output Factors for Small Radiosurgery Beams. American Association of Physicists in Medicine (AAPM), Houston, TX, July 27-31, 2008, *Medical Physics* 35(6): 2685.
116. Yang Y, Li X, Li T, Fu W, **Heron D**, Huq M. Analysis of Setup and Dosimetric Errors of KV CBCT Guided Stereotactic Intensity-Modulated Radiosurgery for Spinal Lesions. American Association of Physicists in Medicine (AAPM), Houston, TX, July 27-31, 2008, *Medical Physics* 35(6): 2830.
117. Fu W, Yang Y, Yue N, **Heron D**, Huq M. Study of Translational and Rotational Setup Errors and Their Correction Methods for Head & Neck Patients Using Kilovoltage Cone-Beam Computed Tomography (kV CBCT). American Association of Physicists in Medicine (AAPM), Houston, TX, July 27-31, 2008, *Medical Physics* 35(6): 2983.
118. Michalski D, Huq MS, **Heron DE**. A New Hierarchical Symmetric Optical Flow-based Image Registration Method and its Clinical Evaluation. Poster American Society for Therapeutic Radiology and Oncology (ASTRO), Boston, MA September 21-25, 2008 72(1):S616.
119. Li T, Li X, Yang Y, **Heron D**, Huq MS. Online Imaging with Treatment Beam. Poster American Society for Therapeutic Radiology and Oncology (ASTRO), Boston, MA September 21-25, 2008 72(1):S654.

120. Yang Y, Li T, Li X, **Heron DE**, Huq MS. Image-guided Respiratory-gated Lung Stereotactic Body Radiotherapy: Which Target Definition is Optimal? Poster American Society for Therapeutic Radiology and Oncology (ASTRO), Boston, MA September 21-25, 2008 72(1):S634-S635.
121. Fu W, Yang Y, Yue NJ, Selvaraj R, Chen A, Metha K, **Heron DE**, Huq MS. Dosimetric Influence of Intrafraction Prostate Motion on IMRT Treatment with Sliding Window Dynamic Multileaf Collimator Technique. Poster American Society for Therapeutic Radiology and Oncology (ASTRO), Boston, MA September 21-25, 2008 72(1):S576-S577.
122. Flickinger JC, Rakfal S, **Heron DE**, Beriwal S, Smith RP, Jones H, Huq MS, Bahri S. Effect of RPA Class in Patients with Astrocytoma and Glioblastoma Treated with IMRT, with and without Concurrent Temozolomide. Poster American Society for Therapeutic Radiology and Oncology (ASTRO), Boston, MA September 21-25, 2008 72(1):S237.
123. Li X, Li T, Yang Y, **Heron DE**, Huq MS. A New Scatter Dose Correction Method of V and MV Cone Beam CT. Poster American Society for Therapeutic Radiology and Oncology (ASTRO), Boston, MA September 21-25, 2008 72(1):S643-S644.
124. Lin CJ, **Heron DE**, Connelly K. Does Medicare HMO Reimbursement Policy Hinder Clinical Trial Participation? Poster Discussion, American Society for Therapeutic Radiology and Oncology (ASTRO), Boston, MA September 21-25, 2008 72(1):S138.
125. Narla VV, Andrade RS, **Heron DE**. Metabolic and Anatomic Tumor Volume Measurements Using Four-Dimensional (4D) PET-CT for Mobile Tumors in the Thorax and Abdomen. Poster American Society for Therapeutic Radiology and Oncology (ASTRO), Boston, MA September 21-25, 2008 72(1):S469-S470.
126. Parikh SD, Burton SA, **Heron DE**, Zeh HJ, Moser AJ, Bahary N, Lembersky BC, Ozhasoglu C, Quinn A. Stereotactic Radiosurgery in Patients with Resected Pancreatic Positive Margins. Poster American Society for Therapeutic Radiology and Oncology (ASTRO), Boston, MA September 21-25, 2008 72(1):S272-S273.
127. Gokhale AS, McLaughlin BT, Beriwal S, Flickinger JC, Smith RP, **Heron DE**, Ferris R, Argiris E, Gibson M. Clinical and Dosimetric Factors Associated with a Long Term Feeding Tube Requirement Following Chemoradiotherapy for Head and Neck Cancers. Poster Discussion American Society for Therapeutic Radiology and Oncology (ASTRO), Boston, MA September 21-25, 2008. 72(1):S158
128. Haley M, Greenberger J, **Heron DE**, Jones H, Lin C. Outcomes Comparison of IMRT vs. 3D Conformal Therapy of the Breast. Poster American Society for Therapeutic Radiology and Oncology (ASTRO), Boston, MA September 21-25, 2008 72(1):S479-S480.
129. Streeter OE, Abdel-Wahab M, Bains Y, Dorman D, Govern F, **Heron D**, Miller R, Oh J, Wallner P, Petereit DG, et al. Results of the ASTRO 2006 Diversity Survey. Poster American Society for Therapeutic Radiology and Oncology (ASTRO), Boston, MA September 21-25, 2008 72(1):S488-S489.
130. Michalski D, Andrade R, Mutaf Y, **Heron D**, Huq M. Comparison of End of Exhalation (EE) 4DCT Phase and Breath-Hold Scans. (AAPM), Anaheim, CA July 26-30, 2009, *Med Phys* ;36(6), 2457.

131. Li, X, Li T, Yang Y, **Heron D**, Huq M. A Segmentation-Based Deformable Registration Algorithm for Cone Beam CT and Helical CT Images. (AAPM), Anaheim, CA July 26-30, 2009, *Med Phys* ;36(6), 2458.
132. Michalski D, Andrade R, Mutaf Y, **Heron D**, Huq M. Model-Based Esophageal Motion and Margin Determination. (AAPM), Anaheim, CA July 26-30, 2009, *Med Phys* ;36(6), 2497.
133. Yang Y, Li X, Li T, Ding C, **Heron D**, Huq M. Respiratory Motion and Delivered Dose Accuracy for Gated Intensity-Modulated SBRT for Lung Cancer. (AAPM), Anaheim, CA July 26-30, 2009, *Med Phys* ;36(6), 2652.
134. Li H, Zhao B, Yang Y, **Heron D**, Huq M. Determination of Skin Mark Based Patient Setup Errors Using OBI and CBCT for Head and Neck Patients and Investigation of the Dosimetric Impact of the Errors On IMRT Treatment. (AAPM), Anaheim, CA July 26-30, 2009, *Med Phys* ;36(6), 2734.
135. Li T, Li X, Yang Y, **Heron D**, Huq M. A New Reconstruction Algorithm for Improved Cone-Beam CT Image Quality. (AAPM), Anaheim, CA July 26-30, 2009, *Med Phys* ;36(6), 2746.
136. **Heron DE**, Burton DE, Gerszten PC, Mintz A, Dong XX, Quinn AE, Henderson FC. Single Versus Multi-fraction Radiosurgery for Metastatic Spine Tumors: Results from a Multi-institutional Study. Poster American Society for Radiology Oncology (ASTRO), Chicago, IL November 1-5, 2009. *Int J Radiat Oncol Biol Phys* 75(3) Supplement 1, S493, 2009.
137. Michalski D, Fallon K, Mutaf YD, **Heron DE**, Bednarz G, Huq MS. Improvement of 4D ET Image Via PET's Signal Additivity Derived From 4D CT Scans. Poster American Society for Radiology Oncology (ASTRO), Chicago, IL November 1-5, 2009. *Int J Radiat Oncol Biol Phys* 75(3) Supplement 1, S645-S646, 2009.
138. Rwigema JSM, Parikh SD, Burton SA, Quinn AE, Bahary N, Moser AJ, Zeh HJ, Lembersky B, Howell M, **Heron DE**. Stereotactic Body Radiotherapy (SBRT) in the Treatment of Locally-advanced, Recurrent and Unresectable Pancreatic Cancer. Poster American Society for Radiology Oncology (ASTRO), Chicago, IL November 1-5, 2009. *Int J Radiat Oncol Biol Phys* 75(3) Supplement 1, S266-S267, 2009.
139. Bhatnagar A, Land SR, Luong TM, **Heron DE**, Flickinger JC. What do Patients Want from Their Radiation Oncologist? Final Results from a Prospective Randomized Trial. Oral American Society for Radiology Oncology (ASTRO), Chicago, IL November 1-5, 2009. *Int J Radiat Oncol Biol Phys* 75(3) Supplement 1, S88, 2009.
140. Gan GN, **Heron DE**, Brandner ED, Flickinger JC, Smith RM, Huq MS. Determining a Dosimetric Correlate for Acute Esophagitis in Patients with Advanced Non-Small Cell Lung Cancer Treated with Intensity Modulated Radiation Therapy (IMRT). Poster American Society for Radiology Oncology (ASTRO), Chicago, IL November 1-5, 2009. *Int J Radiat Oncol Biol Phys* 75(3) Supplement 1, S610, 2009.
141. DiPetrillo TA, **Heron DE**, Fernando HC, Landreneau RJ, Logan D, Briggs K, Fitzgerald TJ, Thomas CR, Putman JB, Meyers BF, et al. Sublobar Resection and Iodine-125 Brachytherapy for Stage I NSCLC: Initial Quality Assurance Review of ACOSOG Z-4032. Oral American Society for Radiology Oncology (ASTRO), Chicago, IL November 1-5, 2009. *Int J Radiat Oncol Biol Phys* 75(3) Supplement 1, S61, 2009.

142. Andrade RS, **Heron DE**, Jain S, McCoy C. Locoregional Failure Patterns for Advanced Head and Neck Cancer (HNC) Treated Definitively by IMRT: The Impact of PET-CT on Treatment Planning. Poster American Society for Radiology Oncology (ASTRO), Chicago, IL November 1-5, 2009. *Int J Radiat Oncol Biol Phys* 75(3) Supplement 1, S652-S653, 2009.
143. Zhao B B, Yang Y, Li YT, **Heron DE**, Huq MS. 3D Dose Reconstruction Using EPID Images Acquired During IMRT Treatment. Poster American Society for Radiology Oncology (ASTRO), Chicago, IL November 1-5, 2009. *Int J Radiat Oncol Biol Phys* 75(3) Supplement 1, S633-S634, 2009.
144. S.G. DeFoe, A. Pennathur, J.C. Flickinger, **D.E. Heron**, M.K. Gibson, J.D. Luketich, J.S. Greenberger. Neo-adjuvant Chemotherapy versus Neo-adjuvant Chemoradiation Therapy followed by Esophagectomy versus Definitive Chemoradiation Therapy in Management of Locally-advanced Esophageal Carcinoma: A Single Institution Experience Accepted *Int J Radiat Oncol Biol Phys* 75(3) Supplement 1, S273, 2009.
145. R.E. Wegner, A.H. Mintz, **D.E. Heron**, G.K. Bejjani, S.A. Burton. Re-irradiation with Radiosurgery for Recurrent Glioblastoma Multiforme: A Single Institution's Retrospective Review. Accepted *Int J Radiat Oncol Biol Phys* 75(3) Supplement 1, S, 2009.
146. Andrade RA, Gillianne; G, Beriwal S, **Heron DE**. PET/CT Based Intensity Modulated Radiation Therapy and Concurrent Chemoradiation Therapy for Anal Carcinoma – Preliminary Results. Oral American Society for Radiology Oncology (ASTRO), San Diego, CA October 31-November 4, 2010 *Int J Radiat Oncol Biol Phys* 78(3);S68-69, 2010.
147. Y.D. Mutaf, D. Michalski, Y. Yang, X. Li, T. Li, **D. Heron**, G. Bednarz, S. Huq. Quantitative Analysis of Dosimetric Effects Due to Irregular Respiratory Motion in Stereotactic Body Radiotherapy of Lung Cancer. Poster American Association of Physicists in Medicine (AAPM), Philadelphia, PA July 18-22, 2010 *Med Phys* 37(6):3311, 2010.
148. Zhao B, Yang Y, **Heron DE**, Huq MS. Dosimetric Effect of Residual Tumor Motion in Phase and Amplitude Gated Lung Stereotactic Body Radiotherapy. Poster American Association of Physicists in Medicine (AAPM), Philadelphia, PA July 18-22, 2010 *Med Phys* 37(6):3310, 2010.
149. Michalski D, Mutaf Y, **Heron D**, Bednarz G, Huq S. The Analysis of the Transformation Map Construction for Optic Flow Based Image Registrations. Poster American Association of Physicists in Medicine (AAPM), Philadelphia, PA July 18-22, 2010 *Med Phys* 37(6):3232, 2010.
150. Michalski D, Mutaf Y, **Heron D**, Bednarz G, Huq S. An Adaptive Regularization for the Demons Algorithm. Poster American Association of Physicists in Medicine (AAPM), Philadelphia, PA July 18-22, 2010 *Med Phys* 37(6):3310, 2010.
151. Li T, Li X, Yang Y, **Heron D**, Bednarz G, Huq MS. Moving Isocenter for Increased-FOV CBCT Scan. Oral American Association of Physicists in Medicine (AAPM), Philadelphia, PA July 18-22, 2010 *Med Phys* 37(6), 2010.
152. Yong Y, Fu W, Li T, Li X, **Heron D**, Huq MS. A Feasibility Study of a 4D Intensity Modulated Arc Tracking Technique for Treatment of Moving Targets. Poster American Association of Physicists in Medicine (AAPM), Philadelphia, PA July 18-22, 2010 *Med Phys* 37(6):3210, 2010.

153. Fu W, Yang Y, Yue NJ, **Heron DE**, Huq MS. Dosimetric Impacts of Rotational Setup Errors on Head & Neck IMRT Treatments. Poster American Association of Physicists in Medicine (AAPM), Philadelphia, PA July 18-22, 2010 *Med Phys* 37(6):3185, 2010.
154. X Li, Y Yang, T Li, S. Burton, **D. E. Heron**, G. Bednarz and M. Saiful Huq. Intensity-Modulated Arc Therapy for Stereotactic Radiotherapy of Spinal & Paraspinal Tumors. Poster American Association of Physicists in Medicine (AAPM), Philadelphia, PA July 18-22, 2010 *Med Phys* 37(6):3311, 2010.
155. DeFoe SG, Kehwar TS, Beriwal S, Won S, Jones H, **Heron DE**. Dosimetric Parameters Are Predictive of Acute Gastrointestinal Toxicity in Patients Treated with Concurrent Chemotherapy and Intensity-Modulated Radiation Therapy for Anal Carcinoma. Oral American Society for Radiology Oncology (ASTRO), San Diego, CA October 31-November 4, 2010 *Int J Radiat Oncol Biol Phys* 78(3);S69, 2010.
156. Zhao B, Yang Y, Li T, Li X, **Heron DE**, Huq MS. In-vivo Dose Monitoring Using an Electronic Portal Imaging Device. Poster American Society for Radiology Oncology (ASTRO), San Diego, CA October 31-November 4, 2010 *Int J Radiat Oncol Biol Phys* 78(3);S761-761, 2010.
157. **Heron DE**, Ferris, Burton, Kubicek, Gibson, Gooding, Argiris, Quinn, Huq, Ozhaoglu, Gigliotti. Interim Results of a Phase II Trial of Concurrent Cetuximab and Stereotactic Body Radiotherapy (SBRT) for Recurrent Squamous Cell Carcinoma of the Head and Neck (SCCHN). Oral American Society for Radiology Oncology (ASTRO), San Diego, CA October 31-November 4, 2010 *Int J Radiat Oncol Biol Phys* 78(3);S105, 2010.
158. Clump DA, Wegner RE, **Heron DE**, Abbas R, Schuchert MJ, Landreneau RJ, Luketich MJ, Burton SA. Stereotactic Body Radiosurgery is a Safe and Efficacious Treatment Modality following RFA for Medically Inoperable NSCLC. Poster American Society for Radiology Oncology (ASTRO), San Diego, CA October 31-November 4, 2010 *Int J Radiat Oncol Biol Phys* 78(3);S540, 2010.
159. Patel VE, Wegner RE **Heron DE**, Flickinger JC, Mintz AH, Burton SA, Gerszten P, Huq MS. Comparison of Whole versus Partial Vertebral Body Radiosurgery for Spinal Metastases: The Experience of a Single Institution. Poster American Society for Radiology Oncology (ASTRO), San Diego, CA October 31-November 4, 2010 *Int J Radiat Oncol Biol Phys* 78(3);S799, 2010.
160. Paravati A, Heron **DE**, Landsittel D, Flickinger JC, Mintz A, Lieberman F, Huq MS. Radiotherapy and Temozolomide for Newly Diagnosed Glioblastoma and Anaplastic Astrocytoma: Validation of Radiation Therapy Oncology Group-Recursive Partitioning Analysis (RTOG-RPA) in the IMRT & Temozolomide era. Poster American Society for Radiology Oncology (ASTRO), San Diego, CA October 31-November 4, 2010 *Int J Radiat Oncol Biol Phys* 78(3);S270, 2010.
161. Pennathur A, **Heron DE**. A Prospective Multicenter Study of Stereotactic Radiosurgery for the Treatment of Stage I NSCLC in Medically Inoperable Patients. Poster American Society for Radiology Oncology (ASTRO), San Diego, CA October 31-November 4, 2010 *Int J Radiat Oncol Biol Phys* 78(3);S520-521, 2010.
162. Rwigema J-C M, Wegner RE, **Heron DE**, Mintz AH. J. Novotny Jr., J.P. Bhatnagar, M.S. Huq. Stereotactic Radiosurgery to the Resection Cavity of Brain Metastases. Poster

American Society for Radiology Oncology (ASTRO), San Diego, CA October 31-
November 4, 2010 *Int J Radiat Oncol Biol Phys* 78(3);S540, 2010.

163. Mihai A, Thirion P, **Heron DE**, Rock L, Huq S, Burke C, Kennedy AM, Callinan S, Shehy N, Armstrong J. Early Assessment of SBRT in Patients with Medically Inoperable or Oligometastatic Lung Cancers. Poster Symposium on Thoracic Oncology, Chicago, IL, December 9-11, 2010.
164. Mihai A, Thirion P, **Heron DE**, Rock L, Huq S, Burke C, Kennedy AM, Callinan S, Shehy N, Armstrong J. Outcomes of Thoracic Stereotactic Body Radiation Therapy: Community-based Experience. Poster Symposium on Thoracic Oncology, Chicago, IL, December 9-11, 2010.
165. Andrade RS, Kubicek GJ, Nelson AS, Nelson D, **Heron DE**. Analysis of metabolic patterns of recurrence on PET-CT for advanced head and neck cancer (HNC) patients treated definitively by IMRT: The Impact of using PET-CT for treatment planning and surveillance: preliminary results. Accepted Poster American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011. *Int J Radiat Oncol Biol Phys* 81(2):S549-S550.
166. Olson AC, Beriwal S, Kim H, Houser C, Wegner R, **Heron D**, Richard S, Kelly J, Edwards R, Sukumvanich P, Zorn K, Krivak T, Olawaiye A. Dosimetry and Early Clinical Outcomes of 3D Treatment Planning for High Dose Rate Brachytherapy of Medically Inoperable Endometrial Cancer.. Accepted Poster American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011. *Int J Radiat Oncol Biol Phys* 81(2):S475.
167. Beriwal S, Flickinger JC, Rakfal SM, **Heron DE**. How effective are clinical pathways with and without online auditing? An analysis of bone metastases pathway in large, Integrated NCI-Designated Comprehensive Cancer Center Network. Accepted Oral American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011. *Int J Radiat Oncol Biol Phys* 81(2):S140.
168. Kubicek G, Huq MS, Bednarz G, Lansberry, Michalski D, **Heron DE**. Intensity-Modulated Radiation Therapy (IMRT) versus RapidArc (RA) in the definitive treatment of head and neck cancer. Accepted Poster American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011. *Int J Radiat Oncol Biol Phys* 81(2):S898.
169. Olson A, Kubicek G, **Heron DE**. PET-CT Performance Characteristic Characteristics May Be Early Predictors of Recurrence in Head & Neck Cancers treated with IMRT. Accepted Poster American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011. *Int J Radiat Oncol Biol Phys* 81(2):S546.
170. Olson AC, Wegner RE, Scicutella C, **Heron DE**, Greenberger JC, Huq S, Bednarz G, Flickinger JC. Quality Assurance Analysis of a Large Multicenter Practice: Does Increased Complexity of Intensity Modulated Radiotherapy Lead to Increased Error Frequency? Accepted Poster American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011. *Int J Radiat Oncol Biol Phys* 81(2):S565.
171. Wang K, **Heron DE**, Flickinger JC, Rwigema JC, Ferris RL, Kubicek G, Ohr J, Quinn A, Ozhasoglu C. Stereotactic Body Radiation Therapy (SBRT) for Previously-Irradiated, Recurrent Squamous Cell Carcinoma of the Head and Neck: Analysis of Patterns of Failure. Accepted Poster American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011. *Int J Radiat Oncol Biol Phys* 81(2):S533.

172. Kabolizadeh P, Rwigema J-C, S. DeFoe G, **Heron DE**, Ozhasoglu C, Quinn A, Burton SA. Stereotactic Body Radiotherapy (SBRT) for Presacral Recurrence of Rectal Cancer. Accepted Poster American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011 *Int J Radiat Oncol Biol Phys* 81(2):S368. *Int J Radiat Oncol Biol Phys* 81(2):S366.
173. Clump DA, Wegner RE, **Heron DE**, Burton SA, Christie NA, Schuchert MJ, Abbas G Stereotactic Body Radiotherapy (SBRT) for Recurrent and Early-Stage Centrally-Located Non-Small Cell Lung Cancer. Accepted Poster American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011. *Int J Radiat Oncol Biol Phys* 81(2):S615.
174. Pennathur A, Whyte RI, **Heron DE**, Loo BW, Gooding WE, Brachman DG, Zajac A, Urschel HD, Christie NA, Luketich JD. Stereotactic Radiosurgery for the Treatment of Stage I NSCLC in Medically Inoperable Patients: A Prospective Multicenter Phase II Study. Accepted Poster American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011. *Int J Radiat Oncol Biol Phys* 81(2):S81.
175. Rwigema J-C, Wegner RE, Mintz AH, Burton SA, **Heron DE**. Stereotactic Radiosurgery to the Resection Cavity of Brain Metastases. Accepted Poster "Foreign Language Poster Walk with a Professor" program on Monday, October 3 from 10:45 p.m. to 12:15 p.m. American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011. *Int J Radiat Oncol Biol Phys* 81(2):S298-S299.
176. Michalski D, Bednarz G, Huq MS, Kubicek G, **Heron DE**. Synchronized-averaging of 4D CT data set for improved quality treatment planning CT scan. Accepted Poster American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011. *Int J Radiat Oncol Biol Phys* 81(2):S818.
177. Kabolizadeh P, Wegner RE, Bernard M, **Heron DE**, Mintz AH, Burton SA. The Effect of Treatment Time on Outcome in Nonsmall Cell Lung Cancer Brain Metastases treated with Stereotactic Radiosurgery. Accepted Poster American Society for Radiology Oncology (ASTRO), Miami, FL October 2-6, 2011. *Int J Radiat Oncol Biol Phys* 81(2):S301.
178. Rajagopalan MS, **Heron DE**, Wegner RE, Zeh HJ, Bahary N, Krasinskas AM, Lembersky B, Brand R, Moser AJ, Quinn AE, Burton SA. Pathologic Response with Neoadjuvant Chemotherapy and Stereotactic Body Radiotherapy for Borderline Resectable and Locally-Advanced Pancreatic Cancer. Accepted Poster American Society for Radiology Oncology (ASTRO), Boston, MA, October 28-31, 2012. *Int J Radiat Oncol Biol Phys*. November 2012; 84(3):S319-S320.
179. Yang Y, Epperly M, Dixon TM, **Heron DE**, Greenberger JS, Huq MS. Total Body Irradiation at High-dose-rate Using a LINAC Results in Increased Survival in a Mouse Model. Accepted Poster American Society for Radiology Oncology (ASTRO), Boston, MA, October 28-31, 2012. *Int J Radiat Oncol Biol Phys*. November 2012; 84(3):S859.
180. Vargo J, **Heron DE**, Ferris RL, Rwigema JM, Wegner RE, Kalash R, Ohr J, Kubicek GJ, Burton S. The Impact of Treatment Duration and Volume on Toxicity Following SBRT for Locally Recurrent, Previously Irradiated Head-and-Neck Cancer. November 2012 *Int J Radiat Oncol Biol Phys* 84(3):S510.
181. Vargo J, **Heron DE**, Ferris RL, Rwigema JM, Wegner RE, Kalash R, Ohr J, Kubicek GJ, Burton S. Treatment Duration >2 Weeks Negatively Impacts Disease Control Following

- SBRT for Locally Recurrent, Previously Irradiated Head-and-Neck Cancers. November 2012 *Int J Radiat Oncol Biol Phys* 84(3):S510.
182. Kabolizadeh P, Wegner RE, Rwigema JC, **Heron DE**, Mintz AH, Burton SA. Fractionated Stereotactic Radiosurgery for Large Brain Metastases. November 2012 *Int J Radiat Oncol Biol Phys* 84(3):S303.
183. Leeman J, Clump DA, Wegner RE, **Heron DE**, Burton SA, Mintz AH. Linear Accelerator-based Stereotactic Radiosurgery for the Treatment of Brainstem Metastases. November 2012 *Int J Radiat Oncol Biol Phys* 84(3):S295-296.
184. Farkas A, Michalski D, Burton S, Huq S, **Heron DE**, Flickinger J, Bednarz G, Kubicek GJ. Pancreatic Tumor Motion and Required Margins to Account for Motion. November 2012 *Int J Radiat Oncol Biol Phys* 84(3):S321.
185. Wang K, **Heron DE**, Flickinger JC, Rwigema JC, Ferris RL, Kubicek GJ, Ohr JP, Quinn AE, Ozhasoglu C, Branstetter BF. SUVmax on Initial Post-Treatment PET-CT Predicts Local Failure in Patients with Previously Irradiated, Recurrent Head-and-Neck Cancer Treated with SBRT. Accepted Poster American Society for Radiology Oncology (ASTRO), Boston, MA, October 28-31, 2012. *Int J Radiat Oncol Biol Phys*. November 2012; 84(3):S527-S528.
186. **Heron DE**, Allen A, Beal K, Wagner H, Weiss SE, Shoshan Y, Tomblyn MB, Davidson T, Ziv I, Ben-Ami M. Apoptosis Imaging With 18F-ML-10 Is an Early Predictor of Response of Brain Metastases Treated With Stereotactic Radiosurgery. Digital Poster American Society for Radiology Oncology (ASTRO), Boston, MA, October 28-31, 2012. November 2012 *Int J Radiat Oncol Biol Phys* 84(3):S180-181.
187. Pennathur A, Loo BW, **Heron DE**, Whyte RI, Zahac A, Brachman D, Gooding WE, Christie NA, Urschel HC, Luketich JD. Stereotactic Radiosurgery for Stage I NSCLC in Medically Inoperable Patients: A Prospective Multicenter Phase II Study. Accepted Poster American Society for Radiology Oncology (ASTRO), Boston, MA, October 28-31, 2012. November 2012 *Int J Radiat Oncol Biol Phys* 84(3):S593-S594.
188. Ling DC, Kim, CH, Wegner RE, **Heron DE**, Zeh HJ, Moser AJ, Bahary N, Ozhasoglu C, Quinn AE, Burton SA. Stereotactic Body Radiation Therapy in the Treatment of Adenocarcinoma of Pancreas in Elderly Patients. November 2013 *Int J Radiat Oncol Biol Phys* 84(3):S830.
189. Sinicki J, Bednarz G, Haskins L, **Heron D**, Huq S, Kassab K, Scicutella C. Your Safety, Our Commitment: A Standardized Error Reporting Enabling a Culture of Patient Safety. *Int J Radiat Oncol Biol Phys*. November 2012; 84(3):S663-664.
190. Wynn RB, Mihai A, Thirion P, Westrup J, Krebs M, Armstrong J, Rock LA, Fagan G, Bhatnagar R, **Heron DE**. Translating SBRT From Academic to Community Practice. November 2012 *Int J Radiat Oncol Biol Phys* 84(3):S538.
191. Verma V, Vargo JA, **Heron DE**, Kim H, Beriwal S. Extended Outcomes Following Accelerated Partial Breast Irradiation using Mammosite Balloon-Based System. American Brachytherapy Society (ABS) Annual Meeting, New Orleans, LA, April 18-20, 2013. *Brachytherapy* 12(suppl 1):S48, March 2013.

192. Fernando HC, Landreneau RJ, Mandrekar SJ, Nichols FC, Hillman S, **Heron DE**, Myers BF, DiPetrillo TA, Jones DR, Starnes SL, Tan AD, Daly BDT, Putnam JB. Impact of brachytherapy on local recurrence after sublobar resection: Results from ACOSOG Z4032 (Alliance), a phase III randomized trial for high-risk operable non-small cell lung cancer (NSCLC). Accepted Oral; American Society of Clinical Oncology (ASCO), Chicago, IL, May 31-June 4, 2013. *J Clin Oncol* 2013 (suppl; abstr 7502).
193. Argiris A, Ohr J, Kubicek GJ, Duvvuri U, **Heron DE**, Kotsakis AP, Spencer C, Kim S, Grandis JR, Johnson JT, Bauman JE, Gibson MK, Ferris RL. Phase II randomized trial of radiotherapy (RT), cetuximab (E), and pemetrexed (Pem) with or without bevacizumab (B) in locally advanced squamous cell carcinoma of the head and neck (SCCHN). Accepted Poster; American Society of Clinical Oncology (ASCO), Chicago, IL, May 31-June 4, 2013. *J Clin Oncol* (suppl; abstr 6043).
194. Kent MS, Landreneau RJ, Mandrekar SJ, Nichols FC, DiPetrillo TA, Meyers BF, **Heron DE**, Putnam JB, Jones DR, Starnes SL, Daly B, Tan AD, Fernando HC. Factors impacting oncologic outcomes after sublobar pulmonary resection: Results from ACOSOG Z4032 (Alliance), a randomized trial for high-risk operable non-small cell lung cancer (NSCLC). Accepted Poster Discussion; American Society of Clinical Oncology (ASCO), Chicago, IL, May 31-June 4, 2013. *J Clin Oncol* (suppl; abstr 7524).
195. Vargo JA, Kubicek GJ, Ferris RL, Duvvuri U, Johnson J, DO JO, Clump DA, Burton S, **Heron DE**. Postoperative adjuvant stereotactic body radiotherapy (SBRT) ± cetuximab following salvage surgery in previously-irradiated head-and-neck cancer. Accepted Poster American Society for Radiology Oncology (ASTRO), Atlanta, GA, October 22-25, 2013. *Int J Radiat Oncol Biol Phys* 87(2):S463.
196. Epperly M, Kalash R, Clump D, **Heron D**, Burton S, Engh J, Mintz A. Breast Cancer Luminal Status Predicts Survival Following Stereotactic Radiosurgery of Brain Metastasis. October 2013 *Int J Radiat Oncol Biol Phys* 87(2):S218-S219.
197. Duvvuri U, Byrd JK, Davis K, Ferris RL, Kim S, **Heron DE**, Clump DA, Ohr J, Bauman J, Johnson J. Transoral Robotic Surgery and the Cervical Unknown Primary: The Utility of Discovering Occult Primary Lesions. Accepted Poster; American Society of Radiation Oncology (ASTRO), Atlanta, GA, September 22-25, 2013. October 2013 *Int J Radiat Oncol Biol Phys* 87(2):S439-S440.
198. Li X, Li T, Yang Y, Zhang Y, **Heron D**, Huq M. An Investigation of Patient-Specific Respiratory Motion Effect in Lung CBCT Imaging. October 2013 *Int J Radiat Oncol Biol Phys* 87(2):S674.
199. Rajagopalan MS, Clump DA, **Heron DE**, Flickinger JC, Kubicek GJ, Burton SA. Initial Report of a Prospective Phase II Study of Stereotactic Body Radiotherapy (SBRT) in Patient with Oligometastatic Disease. Accepted Poster; American Society of Radiation Oncology (ASTRO), Atlanta, GA, September 22-25, 2013. October 2013 *Int J Radiat Oncol Biol Phys* 87(2):S570
200. Izadbakhsh, M, Le AH, **Heron DE**, Huq M. Oncology Information System (OIS): Building a Large Integrated and Centralized Oncology System to Improve Quality and Safety of Patient Care. Accepted Poster American Society for Radiology Oncology (ASTRO), Atlanta, GA, October 22-25, 2013. *Int J Radiat Oncol Biol Phys* 87(2):S625.

201. Vargo JA, Ferris RL, Clump DA, Burton S, **Heron DE**. Stereotactic Body Radiation Therapy ± Cetuximab as Primary Treatment for Elderly Patients With Medically-Inoperable Head-and-Neck Cancer: Definitive Management of Head-and-Neck Squamous Cell Carcinoma. February 2014 *Int J Radiat Oncol Biol Phys* 87(2):P489–490.
202. Famoso J, Berhane H, Kabolizadeh P, Vargo JA, Davis KS, Johnson JT, **Heron DE**, Clump DA. Relationship of Hard Palate Dose and Patient-Reported Xerostomia in Head-and-Neck Cancer Patients Treated With IMRT: Survivorship. February 2014 *Int J Radiat Oncol Biol Phys* 88(2):P527.

Oral and poster presentations

1. Peri-transplant Morbidity and Mortality in Bone Marrow Transplant Patients Occurring within 60 Days Post-Infusion. August, 1992, Strong Children's Research Symposium, Rochester, NY.
2. Epidermoid Carcinoma of the Anal Canal and Margin. October, 1996, Multi-Disciplinary Clinical Oncology Conference, Philadelphia, PA.
3. The Management of Arteriovenous Malformation: The Glue, The Knife, The Buzz! May, 1997, Multi-Disciplinary Clinical Oncology Conference, Philadelphia, PA.
4. Management of the Clinically Positive Neck in Head and Neck Cancers. September, 1997, Multi-Disciplinary Clinical Oncology Conference, Philadelphia, PA.
5. Bilateral Breast Cancers: Double Jeopardy, Double Trouble? March, 1998, Multi-Disciplinary Clinical Oncology Conference, Philadelphia, PA.
6. Post-Operative Evaluation of Stage I/II Endometrial Cancer: Indication for Adjuvant Radiotherapy. October, 1998. Multi-Disciplinary Clinical Oncology Conference, Philadelphia, PA.
7. Pediatric Dorsally Exophytic Brainstem Glioma—Radiologic and Clinicopathologic Findings and Outcome. May, 1999, Multi-disciplinary Clinical Oncology Conference, Philadelphia, PA. American Society of Therapeutic Radiology and Oncology (ASTRO)1999, San Antonio, TX.
8. Extra-Hepatic Cholangiocarcinoma: Truisms of Therapy or Just Wishful Speculation? December, 1999. Multi-Disciplinary Clinical Oncology Conference, Philadelphia, PA.
9. High-Dose Re-Irradiation for Recurrent Head and Neck Carcinoma—Cowboy Stunt or Shrewd Oncologic Care? February, 2000, Multi-disciplinary Clinical Oncology Conference, Philadelphia, PA.
10. Kim KS, **Heron DE**, Komarnicky LK, Haffty BG, Turner BC Elevated Frequency of Family History of Breast/Ovarian is Predictive of Ductal Carcinoma Patients at Risk of Local Breast Recurrence Following Lumpectomy and Radiation Therapy. Presented American Radium Society (ARS) 1999.

11. **Heron, DE**, Komarnicky LT. High-Risk Ductal Carcinoma In-Situ of the Breast Treated with Breast Irradiation—Patterns of Failure and Outcome. Philadelphia International Breast Symposium, 1999.
12. **Heron DE**, Komarnicky LT, Hyslop T, Schwartz GF, Mansfield CM. Bilateral Breast Cancer—Risk Factors and Outcomes in Synchronous and Metachronous Patients. *Int J Radiat Oncol Biol Phys*, Special Issue 45:31001:308-9 (A portion of this data was presented at the American Society of Therapeutic Radiology and Oncology in San Francisco, November 1999).
13. **Heron DE**, Stein DE, Eschelmann DJ, Topham AK, Sanna S, Waterman FM, Rosato EL, Alden M, Anne PR. Cholangiocarcinoma: The Impact of Tumor Location and Treatment Strategy on Outcome. *Radiother Oncol* October 2001; (abstract presented at Radiological Society of North America (RSNA) 2000, Chicago, IL).
14. DiBiase SJ, Komarnicky A, **Heron DE**, Schwartz G, Hyslop T, Mansfield CM. The Influence of Radiation Dose on Positive Surgical Margins in Women Undergoing Breast Conservation Therapy. American Radium Society (ARS), London, England, 2000.
15. Chen CT, **Heron DE**, Henderson S, Downs MB, Bednarz G, Werner-Wasik M, Andrews DW, Curran WJ. Conventionally Fractionated Stereotactic Radiotherapy for Craniopharyngioma. American Society for Therapeutic Radiology and Oncology (ASTRO) San Francisco, CA, November 2001.
16. Selvaraj RN, Gerszten K, King GC, Sonnik D, **Heron, DE**. Conventional 3-D versus Intensity Modulated Radiotherapy for the Adjuvant Treatment of Gynecologic Malignancies: A Comparative Study of Dose-Volume Histograms and the Potential Impact on Toxicities. Society of Gynecologic Oncology (SGO), March 2002.
17. Gerszten K, Kalnicki S, King G, Selvaraj R; Wu A, **Heron DE**. 3D Conformal vs. Intensity Modulated Radiotherapy (IMRT) for the Adjuvant Treatment of Gynecologic Malignancies: A Comparative Study of Dose-Volume Histograms (DVHs). Society of Gynecologic Oncology (SGO) 2002, Miami, FL.
18. King G, Yap J, Gerszten K, Selvaraj R, Edwards R, Comerchi J, Gallion H, Meltzer C, Blodgett T, Townsend DW, **Heron DE**. PET-CT Alters Management of Patients with Gynecologic Cancers. American Society of Clinical Oncology (ASCO), Orlando, FL. May 2002.
19. **Heron DE**, Yap JT, King GC, Blodgett T, Townsend DW, Gerszten K, Selvaraj RN, Meltzer CC, Sit A, Comerchi J, Gallion H, Edwards R, Wu A, Kalnicki S. Comparison of Treatment Planning of Gynecological Malignancies Using ¹⁸FDG PET-CT Versus CT Imaging. AMI American Society of Clinical Oncology (ASCO), Orlando, FL. May 2002..
20. **Heron DE**, Sit A, King GC, Yap, J, Gerszten K, Selvaraj RN, Comerchi J, Edwards RP, Meltzer CC, Blodgett T, Townsend DW, Gallion H. PET/CT Alters the Management of Patients with Gynecologic Malignancies. American Association for Cancer Research (AACR), 2002, Proceedings B-28.
21. Selvaraj RN, **Heron DE**, Gerszten K, King GC, Wu A, Kalnicki S. SYED-Neblett Template Interstitial Implant Versus Intensity-Modulated Radiotherapy for the Treatment of Gynecologic Malignancies: A comparative Study of Dose-Volume Histograms. Radiological Society of North America (RSNA) 2002.

22. Wu A, Selvaraj RN, Lee J, King G, Libby B, Lalonde R, **Heron DE**, Gerszten K, Henning G, Burton S, Kalnicki S. Evaluations of Accuracies of Dose Validations for Three Different IMRT Inverse Treatment Planning Systems. American Society for Therapeutic Radiology and Oncology (ASTRO) Salt Lake City, UT 2002.
23. Carpenter MT, Gerszten K, Varlotto JM, Hardesty L, Mogus R, **Heron DE**. Use of Breast IMRT in Patient Selection for MammoSite Implantation. Radiological Society of North America (RSNA) 2003, Chicago, IL.
24. Bhatnagar AK, Brandner E, Surgent R, Deutsch M, Gerszten K, **Heron DE**. Intensity Modulated Radiation Therapy (IMRT) reduces the Dose to the Contralateral Breast when Compared to Conventional Tangential Fields for Primary Breast Irradiation. American Radium Society (ARS), 2003, Napa Valley, CA.
25. Bhatnagar A, Brandner E, Surgent R, Deutsch M, Gerszten K, **Heron DE**. Does Breast Size Affect the Scatter Dose to the Ipsilateral Lung, Heart, or Contralateral Breast In Primary Breast Irradiation Using Intensity Modulated Radiation Therapy (IMRT)? American Radium Society (ARS), 2003, Napa Valley, CA.
26. Voynov G, **Heron DE**, Gerszten K, Varlotto J, Kalnicki S. Acute Toxicity in Women with Gynecologic Malignancies Treated with Whole Pelvic Intensity-Modulated Radiotherapy (IMRT). American Radium Society (ARS), 2003, Napa Valley, CA.
27. **Heron, DE**, Bhatnagar A, Blodgett TM, Meltzer CC, Townsend DW, Yap JT, et al. PET/CT Staging and Re-Staging Patients with Carcinoma of the Uterine Cervix. Radiologic Society of North America (RSNA) 2002.
28. Bhatnagar A, **Heron DE**, Gerszten K, Bahri S, Deutsch M, Rosenstein M, Varlotto JM, Burton S, Flickinger JC. Definitive Concurrent Chemoradiation Therapy Results in Improved Survival in Patients with Squamous Cell Carcinoma of the Anal Canal. Radiologic Society of North America (RSNA), Chicago, IL, 2003.
29. Wu A, Brandner E, Chen H, **Heron DE**, Henning G, Gerszten K, Burton S, Kalnicki S. Studies of Organ Motion Resulting from Respiration by 4D CT Imaging. ICRR, Souel, Korea, 2004.
30. Falk J, Gerszten K, **Heron DE**, Mogus R, Rawlins C, Bonaventura M, Johnson R, Keenan D, Kelley J. Skin Ellipse Technique for MammoSite[®] Device Placement. European Society for Therapeutic Radiology and Oncology (ESTRO) Barcelona, Spain, 2004
31. Carpenter MT, Falk J, Gerszten K, Varlotto J, Hardesty L, Mogus R, **Heron DE**. Use of Breast MRI in Patient Selection for MammoSite[®] Implantation. Radiological Society of North America (RSNA). 2004 .
32. **Heron DE**, Gerszten K, Brufsky A, Kurman M. The Effect of Chemotherapy (CT) and Extended Beam Radiotherapy (RT) on Bone Marrow (BM) Toxicity of Radionuclides in the Treatment of Bone Metastases Secondary to Breast Cancer. American Society of Clinical Oncology (ASCO), New Orleans, LA, 2004.
33. Agarwal A, Burton SA, Duvvuri U, Gerszten PC, Kalnicki S, **Heron DE**, Johnson J, Cyber-Knife Stereotactic Radiotherapy for the Treatment of Advanced Head and Neck Tumors. Malignancies of the Chest and Head & Neck, Chicago, IL 2004.

34. Voynov G, **Heron DE**, Degirmenci B, Gerszten PC, Johnson J, Burton S, Avril N. PET-CT Response After Stereotactic Radiosurgery for Recurrent Head and Neck Malignancies. Annual Meeting of the Pennsylvania Radiological Society, Philadelphia, PA 2004.
35. Voynov G, Burton S, Gerszten PC, Ozhasoglu C, Vogel W, Quinn A, Johnson J, **Heron DE**. Frameless Stereotactic Radiosurgery for Recurrent Squamous Cell Carcinoma of the Head and Neck Region. American Radium Society (ARS), Barcelona, Spain, 2005.
36. Selvaraj RN, Myron GP, Wu A, Moreland R, Lalonde R, Chen A, Mehta K, Yue NJ, **Heron DE**, Huq MS. Single Zero Degree Gantry Angle Approach for Validation of IMRT Plans. American Radium Society (ARS), Barcelona, Spain, 2005.
37. Selvaraj RN, Wu A, Sonnik D, Mogus R, Fitian ID, Gerszten K, Beriwal S, Bhatnagar A, Saw CB, Falk J, Yue NJ, **Heron DE**, Huq MS. A Quantitative Analysis of the Dose Received by Thyroid and Outer Canthus of the Eye from Treatment of Breast Cancer Using Balloon Catheter Based MammoSite® Brachytherapy. American Radium Society (ARS), Barcelona, Spain, 2005.
38. Bhatnagar A, Beriwal S, **Heron DE**, Gerszten K, Selvaraj R, Mogus R, Comerci J. Primary Treatment of Medically Inoperable Endometrial Cancer with multi Channel Uterine (Rotte-Y) Applicator. American Brachytherapy Society (ABS), San Francisco, CA, 2005.
39. Pennathur A, Burton S, Luketich JD, Abbas G, Fernando HC, **Heron DE**, Ireland J, Landreneau R, Christie NA. Stereotactic Radiosurgery (SRS) for the Treatment of Lung Neoplasm. Southern Thoracic Surgical Association, Orlando, FL, 2005.
40. Garsa A, Beriwal S, Andrade RS, Kim H, Brandner E, Chen H, Comerci J, **Heron DE**. 4D-CT Respiratory-Gated Whole Abdominal Intensity-Modulated Radiotherapy (WAIMRT) for Ovarian Cancer: A Feasibility Study. Ovarian Cancer: Prevention and Detection of the Disease and its Recurrence Symposium, UPMC, October 24-25, 2005
41. Andrade R, **Heron DE**, Avril NE, Branstetter BB . Post-treatment FDG PET-CT After Definitive Radiation Therapy in Head and Neck Cancers. Radiological Society of North America (RSNA), Chicago, IL, 2005.
42. **Heron DE**, Shogan J, Bhatnagar A, Andrade RS, Lin CJ, Huq MS, Yue J, Sontag M, Ross G. Acute Toxicities for Patients with Squamous Cell Carcinoma of the Head and Neck Treated with Intensity-Modulated Radiation Therapy (IMRT) with or without Chemotherapy. Radiological Society of North America (RSNA), Chicago, IL, 2005.
43. Smith RP, Komanduri, K; Burton, S, **Heron, DE**, Chen H, Zhuo Z, Li F, Landreneau RJ. Dosimetric Evaluation of Physicians and Staff Radiation Exposure During ¹²⁵I Vicryl Mesh Implants. Poster Radiological Society of North America (RSNA), Chicago, IL, 2005.
44. Beriwal S, Jain SK, **Heron DE**, Kim H, Gerszten K, Edwards RP, Kelley JL. Clinical Outcome with Adjuvant Treatment of Endometrial Carcinoma using Intensity-Modulated Radiation Therapy. Society of Gynecologic Oncology (SGO), Palm Springs, CA, 2006
45. Schenken LL, Saw CB, **Heron DE**, Proctor JW. A Multi-Institutional Regional/Mobility Model: Deployment for TELESYNERGY® Telemedicine Systems. American Telemedicine Association, San Diego, CA, 2006.

46. Saw CB, Chen H, Ozhasoglu C, Yue J, Komanduri K, Huq S, **Heron DE**. Measurement of Output Factors for the 5mm and 7.5 mm Diameter Collimator Sizes of the CyberKnife. Society of Gynecologic Oncology, Breckenridge, CO, 2006.
47. Beriwal S, Kim H, **Heron DE**, Selvaraj RN. Comparison of 2D vs. 3D Dosimetry for Rotte “Y” Applicator High Dose Rate Brachytherapy for Medically Inoperable Endometrial Cancer. American Radium Society (ARS), Maui, HI, 2006.
48. Andrade R, **Heron DE**, Filho PAA, Branstetter BF, Seethala RR, Ferris RL, Avril NE, Johnson J. Assessment of Response Using FDG-PET/CT for Head and Neck Cancer after Definitive Radiation Therapy: Preliminary Results. American Head and Neck Society (AHNS), Chicago, IL 2006.
49. Saw CB, Brandner ED, Wijosooriya K, Komanduri K, Huq MS, **Heron DE**. Treatment Times for 3D Conformal Radiation Therapy with Respiratory Motion-Gated Technique in the Treatment of Lung Tumors. International World Congress of Medical Physics Hangzhou, China, 2006.
50. Gan GN, Andrade RS, **Heron DE**, Brandner ED, Chen H, Yue NJ, Smith RP, Huq MS, Wu A. Acute Toxicity in Lung Cancer Patients Treated with 4D-CT Based Gated Intensity Modulated Radiation Therapy (IMRT): Preliminary Results. National Medical Association (NMA), Dallas, TX, 2006.
51. Andrade RS, **Heron DE**, Filho PAA, Degirmenci B, Branstetter BF, Seethala RR, Ferris RL, Avril N. Best Time to Asses the Response After Definitive Radiation Therapy RT Using FDE-PET/CT for Head and Neck (HN) Cancer. Science 2006: Feel the Power, UPMC, Pittsburgh, PA. 2006.
52. Bhatnagar AK, **Heron DE**, Burton S, Ferris R, Ozhasglu C , Huq MS. Stereotactic Radiotherapy for Head and Neck Tumors. European Society for Therapeutic Radiology and Oncology (ESTRO), Leipzig, Germany. 2006.
53. Gan G, Beriwal S, **Heron DE**, Kelly JL, Edwards RP. Prone vs. Supine Position Pelvic IMRT for Endometrial Cancer – a Dosimetric and Toxicities Comparison Study. European Society for Therapeutic Radiology and Oncology (ESTRO), Leipzig, Germany. 2006.
54. Brandner ED, Gan GN, Andrade RS, **Heron DE**, Chen H, Yue NJ, Smith RP, Huq MS, Wu A. Preliminary Results Using Phase-Based Gated 4D-CT IMRT for the Definitive Treatment of Lung Cancer. Radiological Society of North America (RSNA), Chicago, IL 2006.
55. Smith RP, Bhatnagar AK, Beriwal S, Flickinger JC, Deutsch M, Huq S, Lalonde R, **Heron DE**. Higher Toxicity Exists in Patients Treated with Combined External Beam Radiation Plus Brachytherapy Compared to External Beam Radiation Alone. Radiological Society of North America (RSNA), Chicago, IL 2006.
56. Lin CC, Block B, Nowalk PM, Simon J, Woods M, Ricci EM, **Heron DE**. Breast Cancer Risk Assessment among Underserved Community Residents. PAC³ Research Summit, Harrisburg, PA, 2006.
57. Bhatnagar AK, Beriwal S, Flickinger J, Deutsch M, Huq MS, Sontag M, Shogan J, **Heron DE**. Initial Clinical Outcomes Analysis of Large Multi-Center Integrated Cancer Network for

- Implementation of Intensity Modulated Radiation Therapy for Breast Cancer. San Antonio Breast Cancer Symposium, San Antonio, TX, 2006.
58. Lin CJ, Schwaderer K, Morgenlander K, Ricci EM, Martz E, Hoffman L, **Heron DE**. Evaluation of the Tailored Patient Navigator Programs for the Underserved Populations with Cancer. North American Primary Care Research Group, Tucson, AZ, 2006.
 59. Andrade R, **Heron DE**, Voynov G, Burton S, Ferris R, Grandis J, Avril N. Re-irradiation with Stereotactic Radiosurgery in Patients with Head and Neck Tumors using Hybrid FDG-PET/CT to Improve Target Localization – Preliminary Results. European Society for Therapeutic Radiology and Oncology (ESTRO), Leipzig, Germany, 2006.
 60. Rodgers EE, **Heron DE**, Shogan J, Bhatnagar AK. Design and Development of a Web Based Outcomes Collection Tool and its Underlying Data Model. Radiological Society of North America (RSNA), Chicago, IL, 2006.
 61. Smith RP, Bhatnagar AK, Beriwal S, Flickinger JF, Deutsch M, Huq S, Lalonde R, **Heron DE**. Higher Toxicity Exists in Patients Treated with Combined External Beam Radiation Plus Brachytherapy Compared to External Beam Radiation Alone. Radiological Society of North America (RSNA), Chicago, IL, 2006.
 62. Brandner ED, Gan GN, Andrade RS, **Heron DE**, Chen H, Yue NJ, Smith RP, Huq MS, Wu A. Preliminary Results Using Phase-Based Gated 4D-CT IMRT for the Definitive Treatment of Lung Cancer. Oral 92nd Radiological Society of North America (RSNA), Chicago, IL, 2006.
 63. Bhatnagar AK, **Heron DE**, Burton S, Ferris R, Ozhasglu C, Huq MD. Stereotactic Radiotherapy for Head and Neck Tumors. Oral 2007 6th Annual CyberKnife Users' Meeting, Palm Springs, CA, 2007.
 64. de Andrade RS, **Heron DE**, Burton SA, Bhatnagar AK, Huq MS. The Value of Positron Emission Tomography and Computed Tomography (PET/CT) for Stereotactic Radiosurgery (SRS) Re-irradiation of Head and Neck Cancers in Treatment Planning and Response Assessment– Preliminary Results. CyberKnife Users' Meeting, Palm Springs, CA, 2007.
 65. Beriwal S, Bhatnagar A, **Heron DE**, Flickinger J, Smith R, Deutsch M, Lalonde R, Huq S, Sontag M, Shogan J. Tangential Beam Intensity Modulated Radiation Therapy (IMRT) for Women with Large Size Breast – Dosimetric and Acute Toxicity Study. American College of Radiation Oncology (ACRO), San Diego, CA, 2007.
 66. Bhatnagar AK, Rodgers E, Land S, **Heron DE**, Flickinger J. What do Patients Expect from Their Radiation Oncologist? Initial Results of Prospective Trial. American College of Radiation Oncology (ACRO), San Diego, CA, 2007.
 67. Schuchert MJ, Smith RP, Komanduri K, Burton S, **Heron DE**, Chen H, Zhuo Z, Li F, Luketich JD, Landreneau RJ. Radiation Exposure to Treatment Team from Intraoperative ¹²⁵I Brachytherapy Implants as Adjuvant Therapy to Sublobar Resection in Stage I Lung Cancer. Society of Surgical Oncology (SGO), Washington, DC, 2007
 68. Beriwal S, **Heron DE**, Mogus R, Edwards RP, Kelley JL, Sukumvanich P. High-dose Rate Brachytherapy (MDRB) for Primary or Recurrent Vaginal Cancer. American Brachytherapy Society (ABS), Chicago, IL, 2007

69. Beriwal S, **Heron DE**, Kim H, Falk J, Johnson R. Accelerated Partial Breast Irradiation with MammoSite Catheter: An Outcome Analysis with Minimum 2 Years Follow Up. Oral Optimal Use of Advanced Radiotherapy in Multimodality Oncology, Rome, IT, 2007.
70. Morgenlander KM, Klewien B, Schenken L, Schwaderer K, Lin CC, **Heron DE**. Direct Funding to the Community: Lessons from a Multilevel Collaboration to Develop Community-based Oncology Programs for Disenfranchised Populations. American Public Health Association (APHA), Washington, DC, 2007.
71. Klewien B, Morgenlander K, **Heron DE**. Establishing Research Infrastructure in the Community Hospital. American Public Health Association (APHA), Washington, DC, 2007.
72. Schenken LL, Proctor JW, **Heron DE**. Distance Learning Approaches for Physicians and Disadvantaged Minority Populations in Rural Pennsylvania: Effective and Inexpensive Telemedicine? American Public Health Association (APHA), Washington, DC, 2007.
73. Kehwar TS, Huq MS, **Heron DE**. Concept of Biologically Effective Equivalent Uniform Dose to Compute Tumor Control Probability and Normal Tissue Complication Probability for IMRT Plans. Radiological Society of North America (RSNA), Chicago, IL, 2007
74. Mintz A, **Heron DE**, Burton S, Ozhasoglu C, Lozanne K, Steelman K, Kassam A. CyberKnife Radiosurgery as an Important Modality in the Corridor Based Surgical Management of Complex Skull Base Tumors. CyberKnife Users' Meeting, Scottsdale, AZ, 2008
75. Coon D, **Heron DE**, Kelley JL, Edwards RP, Sukumvanich P, Zorn KK, Krivak TC. Preoperative Chemotherapy with Intensity Modulated Radiation Therapy for Locally Advanced Vulvar Cancer. Society of Gynecologic Oncology (SGO), Tampa, FL, 2008.
76. Fox T, **Heron DE**, Andrade R, Waller A, Crocker I. Metabolic Volume Histograms and Voxel Map Response: SUV-Based Treatment Response Assessment Methods Using PET-CT. American Radium Society (ARS), Laguna Niguel, CA, 2008
77. Andrade RS, **Heron DE**, Bhatnagar AJ, Wang Y, Ferris R, Johnson J, Branstetter B. The Impact of PET/CT on Squamous Cell Carcinoma of the Head and Neck (SCCHN) with IMRT. American Radium Society (ARS), Laguna Niguel, CA, 2008.
78. Beriwal S, Coon D, **Heron DE**, Kelley JL, Edwards RP, Sukumvanich P, Zorn K, Krivak TC. High Dose Rate Rotte 'Y' Applicator Brachytherapy for Definitive Treatment of Medically Inoperable Endometrial Cancer: 20 Year Results. World Congress of Brachytherapy (ABS), Boston, MA, 2008.
79. Kim H, Beriwal S, Mogus R, **Heron DE**, Huq MS. Is There an Advantage of Serial CT Simulation Based 3D Planning for Every Fraction in Patients with Cervical Cancer Treated with High dose Rate (HDR) Brachytherapy? World Congress of Brachytherapy (ABS), Boston, MA, 2008.
80. Mountz JM, Muthukrishnan A, Bencherif B, Lai S, Grandis J, Andrade RS, **Heron DE**. F-18 FDG PET Findings in Patients Undergoing Stereotactic Body Radiotherapy (SBRT) for Recurrent Squamous Cell Carcinoma of the Head and Neck (SCCHN). Society of Nuclear Medicine (SNM), New Orleans, LA, 2008

81. Ragin CC, Jones J, Akers A, **Heron DE**, Gollin SM, Taioli E, Edwards RP. Knowledge and Perception of Human Papillomavirus and the HPV Vaccine. Poster African-Caribbean Cancer Consortium Conference, Miami, FL May 12-13, 2008.
82. Thurman N, Ragin C, Glass C, Taioli E, **Heron DE** Comparison of Knowledge and Attitudes Toward Cancer Among African-Americans. Poster African-Caribbean Cancer Consortium Conference, Miami, FL May 12-13, 2008.
83. Lai SY, Feinstein T, Seethala R, **Heron DE**, Ferris RL, Grandis JR, Johnson JT, Myers E, Argiris A. Prognostic Factors in Patients with Locally Advanced Salivary Gland Cancers Treated with Surgery and Postoperative Radiotherapy (RT). Poster American Society of Clinical Oncology (ASCO), Chicago, IL May 30-June 3, 2008.
84. Klewien B, Schwaderer K, **Heron DE**. Addressing the Issue of Low Clinical Trial Accruals: A Community Perspective. Poster Cancer Health Disparities Summit 2008, Bethesda, MD July 14-16, 2008.
85. Klewien BA, Schwaderer K, Proctor J, Stefanik D, Rakfal S, **Heron DE**. Five Year Post Funding Assessment and State of the Community. Poster Cancer Health Disparities Summit 2008, Bethesda, MD July 14-16, 2008
86. Mihai A, Armstrong J, Rock L, Lalonde R, Thirion P, Huq MS, Burke C, Corr F, Hacking D, Sasiadek W, **Heron DE**. Feasibility of a Transatlantic Hub-And-Spoke Cancer Network for Intensity-Modulated Radiation Therapy (IMRT) Delivery. Poster European Society for Therapeutic Radiology and Oncology (ESTRO), Göteborg, Sweden September 14-18, 2008.
87. Gan GN, Beriwal S, Krivak T, **Heron DE**, Kim H, Kelly J, Edwards RP. Concurrent Chemotherapy and Extended Field, Intensity-modulated Radiotherapy for Cervical Cancer: Updated Results with Extended Follow up. Accepted Plenary – Oral Society of Surgical Oncology (SSO), San Antonio, TX February 5-8, 2009.
88. **Heron DE**, Rwigema JC, Ferris RL, Quinn A, Burton S, Gibson M, Argiris E, Ozhasoglu C, Yang Y. Fractionated Stereotactic Body Radiation Therapy (SBRT) in the Treatment of Previously-Irradiated Recurrent Head and Neck Carcinoma-Updated Report of the University of Pittsburgh Experience. Poster American College of Radiation Oncology (ACRO), Las Vegas, NV February 27-28, 2009.
89. Gan GN, **Heron DE**, Kim H, Beriwal S. Is there a dosimetric correlate for hematological toxicity in Cervical Cancer Patients Treated with Concurrent Chemotherapy and Extended-Field Intensity-Modulated Pelvic Radiotherapy. Oral American Radium Society, Vancouver, BS April 25-29, 2009.
90. Wegner RE, **Heron DE**, Kim H, Mogus R, Beriwal S. Definitive Radiation Therapy for Endometrial Cancer in Medically-inoperable Elderly Patients. Poster American Brachytherapy Society (ABS), Toronto, ONT May 31-June 2, 2009.
91. Ramalingam S, Kotsakis A, **Heron D**, Tarhini A, Burton S, Smith R, Gooding W, Friedland D, Petro D, Flaugh R, Raez L, Brahmer J, Greenberger J, Landreneau R, Luketich J, Belani C, Argiris A. Multi-center Phase II Study of Cetuximab in Combination with Thoracic Radiotherapy Followed by Consolidation Chemotherapy in Patients with Unresectable Stage III Non-small Cell Lung Cancer (NSCLC): A Preliminary Report.

Poster International Association for the Study of Lung Cancer, San Francisco, CA July 31-August 4, 2009.

92. Mihai A, Smith E, Rock L, Thirion P, **Heron DE**, Lalonde R, M. Huq MS, Armstrong J. Toxicity profile of high-dose Intensity Modulated Radiotherapy (IMRT) in community patients with prostate adenocarcinoma (CaP). Poster European Society for Therapeutic Radiology and Oncology (ESTRO), Maastricht, Netherlands, August 30-September 3, 2009.
93. Arai Y, Luketich J, Christie N, Pennathur A, Abhas, Schuchert M, Gilber, Burton S, **Heron DE**. Outcome of Real-time Tumor Tracking Stereotactic Radiosurgery of NSCLC. Oral Japanese Society for Therapeutic Radiation and Oncology, Kyoto, Japan, September 17-19, 2009.
94. Henderson FC, Gerszten PC, Gagnon G, Burton S, Mintz, A, Dong XX, Quinn AE, **Heron DE**. Single versus Multi-session Radiosurgery for Metastatic Spine Tumors: Results from a Multi-Institutional Study. Interactive Oral Poster Congress of Neurological Surgeons (CNS), New Orleans, LA October 24-29, 2009.
95. Olson AC, Wegner RE, Scicutella C, **Heron DE**, Bednarz G, Huq MS, Flickinger JC. A Quality Assurance Analysis of Reported Events for a Single Institution's Radiation Oncology Department. Travel Grant Award Radiological Society of North America (RSNA), Chicago, IL, November 29-December 4, 2009.
96. Wegner RE, Rwigema JC, **Heron DE**, Mintz A, Burton S. Fractionated SRS for large brain mets. Poster American College of Radiation Oncology (ACRO), San Diego, CA February 24-26, 2011.
97. Wegner RE, Mintz AH, **Heron DE**, Burton SA. Reirradiation with Radiosurgery for Recurrent Glioblastoma Multiforme: A Single Institution's Retrospective Review. Poster American College of Radiation Oncology (ACRO), San Diego, CA February 24-26, 2011.
98. Rwigema J-C, Wegner R, Bernard M, **Heron DE**, Mintz AH, Burton SA. Stereotactic Radiosurgery for the Treatment of Brain Metastases from Non-small Cell Lung Cancer. Poster American College of Radiation Oncology (ACRO), San Diego, CA February 24-26, 2011.
99. Clump DA, Wegner RE, Bria C, Mintz AH, **Heron DE**, Burton SA. Fractionated Stereotactic Radiosurgery for the Treatment of Meningioma. Poster American College of Radiation Oncology (ACRO), San Diego, CA February 24-26, 2011.
100. Vaezi A, Kotsakis A, Kubicek GJ, Ohr J, Ferris RL, Kim S, Gibson MK, Duvvuri U, Grandis JR, **Heron DE**, Johnson JT, A. Argiris. Phase II randomized trial of radiotherapy (RT), cetuximab (E), and pemetrexed (Pem) with or without bevacizumab (B) in locally-advanced squamous cell carcinoma of the head and neck (SCCHN): an interim safety analysis. Poster Advances and Perspectives in Thoracic and Upper Aerodigestive Malignancies, Athens, Greece, March 10-13, 2011.
101. Wegner RE, Vargo JA, **Heron DE**, Ferris RL, Burton S. Fractionated Stereotactic Body Radiation Therapy as a Non-operative Salvage Strategy for Locally-Recurrent, Previously-Irradiated Non-Squamous Cell Cancers of the Head and Neck. Poster American Association for Cancer Research, Orlando, FL April 2-6, 2011.

102. Fernando, Landreneau, Mandrekar, Hillman, Nichols, DiPetrillo, **Heron DE**, Meyers, Jones, Hatter, Starnes, Putnam. Thirty and Ninety Day Outcomes After Sublobar Resection of High-risk Patients with Non-small cell lung cancer (NSCLC); Results from a multicenter phase III study. Oral American Association for Thoracic Surgery (AATS), Philadelphia, PA May 7-11, 2011.
103. Beriwal S, Olson AC, Kim H, Houser C, Wegner RE, **Heron DE**, Richard SD, Kelley JL, Edwards R, Sukumvanich P, Zorn KK, Krivak TC, Olawaiye AB. 3D HDR Brachytherapy for Medically Inoperable Endometrial Cancers – Dosimetry and Early Clinical Results. Poster GEC-ESTRO-ISIORT Conference Paris, France, May 7-10, 2011.
104. Wegner R, Reineman K, **Heron DE**, Mintz A, Burton S. Stereotactic radiosurgery for the treatment of melanoma brain metastases. 10TH Annual Congress International Stereotactic Radiosurgery Society (ISRS), Paris, France May 8-12, 2011.
105. Li T, Li X, Yang Y, **Heron DE**, Huq MS. Feasibility study of volumetric imaging in Cyberknife room using scanning beam x-ray sources. Accepted Poster American Association of Physicists in Medicine (AAPM), Vancouver, Canada, July 31-August 4, 2011.
106. Li X, Yang Y, Li T, **Heron DE**, Huq MS. Interplay effect between dynamic MLC and moving target for lung SBRT with IMAT technique delivered by flattering filter free beam of True Beam machine. Accepted Poster Discussion American Association of Physicists in Medicine (AAPM), Vancouver, Canada, July 31-August 4, 2011.
107. Yang Y, Zhao B, Li X, Li T, **Heron DE**, Huq MS. Multiple RapidArc-based Radiosurgery for Intracranial Tumors: Comparison with Conventional Dynamic Conformal Arc Technique. Accepted Poster American Association of Physicists in Medicine (AAPM), Vancouver, Canada, July 31-August 4, 2011.
108. Zhao B, Yang Y, **Heron DE**, MS. Plan Quality and delivery efficiency with Varian TrueBeam FFF mode at high dose rate. Accepted Oral American Association of Physicists in Medicine (AAPM), Vancouver, Canada, July 31-August 4, 2011.
109. Vargo JA, **Heron DE**, Ferris RL, Rwigema JCM, Wegner RE, Kalash R, Ohr J, Kubicek GJ, Burton S. Prospective Evaluation of Patient-Reported Quality-of-Life Outcomes Following SBRT ± Cetuximab for Locally-Recurrent, Previously-Irradiated Head-and-Neck Cancer. Accepted Poster American College of Radiation Oncology (ACRO), Fort Myers, FL, February 23-25, 2012.
110. Wang K, **Heron DE**, Flickinger JC, Rwigema J-C M, Ferris RL, Kubicek GJ, Ohr JP, Quinn AE, Ozhasoglu C, Branstetter BF. The Impact of PET-CT Planning on Patterns of Failure in Stereotactic Body Radiation Therapy (SBRT) for Previously-Irradiated, Recurrent Squamous Cell Carcinoma of the Head and Neck. Accepted Poster American College of Radiation Oncology (ACRO), Fort Myers, FL, February 23-25, 2012.
111. Wang K, **Heron DE**, Clump DA, Flickinger JC, Rwigema J-C, Ferris RL, Kubicek GJ, Ohr JP, Quinn AE, Ozhasoglu C, Branstetter BF. What is the right margin for target delineation in Stereotactic Body Radiation Therapy (SBRT) for previously-irradiated, recurrent squamous cell carcinoma of the head and neck. Accepted Oral Presentation with Poster American College of Radiation Oncology (ACRO), Fort Myers, FL, February 23-25, 2012.
112. Beriwal S, Shinde S, **Heron DE**, Kelley JL, Edwards RP, Sukumvanich P, Richards R, Olawaiye A, Krivak TC. Preoperative intensity-modulated radiotherapy and chemotherapy for locally advanced vulvar carcinoma: an update. Poster Society of Gynecologic

Oncologists (SGO), Austin, TX, March 24-27, 2012.

113. Kabolizadeh P, DeFoe SG, **Heron DE**, Beriwal S. Dosimetric Parameters Predictive of Acute Gastrointestinal Toxicity in Patients with Anal Carcinoma Treated with Concurrent Chemotherapy and Intensity Modulated Radiation Therapy. Oral American Radium Society Conference (ARS), Las Vegas, NV, April 28-May 2, 2012.
114. Horne ZD, Clump DA, Shah S, Vargo JA, Burton SA, Christie NA, Schuchert MJ, Landreneau RJ, Luketich JD, **Heron DE**. Pretreatment SUV max as a marker for progression-free survival in stage 1 NSCLC treated with SBRT. Accepted Poster; Cancer Imaging and Radiation Therapy Symposium, Orlando, FL, February 8-9, 2013.
115. Gill BS, Clump DA, Vargo JA, **Heron DE**, Schuchert MJ, Christie NA, Burton SA. Salvage stereotactic body radiotherapy for local failures after sublobar resection with I-125 vicryl mesh brachytherapy. Accepted abstract; American College of Radiation Oncology (ACRO) Annual Meeting, San Antonio, TX, February 14-16, 2013.
116. Horn ZD, Clump DA, Shah S, Vargo JA, Beriwal S, Burton SA, Christie NA, Schuchert MJ, Landreneau RJ, Pennathur A, Luketich JD, **Heron DE**. Stereotactic body radiation therapy for early-stage non-small cell lung cancer: location matters. Accepted abstract; American College of Radiation Oncology (ACRO) Annual Meeting, San Antonio, TX, February 14-16, 2013.
117. Vargo JA, Lehman J, Clump DA, Schuchert M, Christie N, **Heron DE**, Quinn A, Burton S. Stereotactic Body Radiotherapy Salvage for Locally-Recurrent Central Non-Small-Cell Lung Cancers. Accepted Oral; The Radiosurgery Society Annual Meeting 2013, Carlsbad, CA, February 20-23, 2013.
118. Clump DA, Vargo JA, Rwigema JC, Davis K, Ferris R, **Heron DE**, Quinn A, Burton S. Stereotactic Body Radiotherapy for Recurrent Oropharyngeal Cancer - Influence of HPV and smoking history. Accepted Oral; The Radiosurgery Society Annual Meeting 2013, Carlsbad, CA, February 20-23, 2013.
119. Rajagopalan MD, **Heron DE**, Zeh HJ, Krasinskas AM, Quinn A, Burton SA. Pathologic Response after Stereotactic Body Radiotherapy for Borderline Resectable and Locally-Advanced Pancreatic Cancer. Accepted Oral; The Radiosurgery Society Annual Meeting 2013, Carlsbad, CA, February 20-23, 2013.
120. Kabolizadeh P, Horne Z, Shah S, Clump DA, Vargo JA, **Heron DE**, Quinn A, Burton S, Christie N, Schuchert MJ. Salvage Stereotactic Body Radiation Therapy (SBRT) for Medically Inoperable Patients with NSCLC following RFA. Accepted Oral; The Radiosurgery Society Annual Meeting 2013, Carlsbad, CA, February 20-23, 2013.
121. Gill BS, Clump DA, Vargo JA, **Heron DE**, Schuchert MJ, Christie NA, Burton SA. Salvage stereotactic body radiotherapy for local failures after sublobar resection with I-125 vicryl mesh brachytherapy. Accepted; American College of Radiation Oncology (ACRO), San Antonio, TX. February 14-16, 2013.
122. Horn ZD, Clump DA, Shah S, Vargo JA, Beriwal SD, Burton SA, Christie NA, Schuchert MJ, Landreneau RJ, Pennathur A, Luketich JD, **Heron DE**. Stereotactic body radiation therapy for early-stage non-small cell lung cancer: location matters. Accepted; American College of Radiation Oncology (ACRO), San Antonio, TX. February 14-16, 2013.

123. Verma V, Vargo JA, **Heron DE**, Kim H, Beriwal S. Extended Outcomes Following Accelerated Partial Breast Irradiation using Mammosite Balloon-Based System. American Brachytherapy Society (ABS) Annual Meeting, New Orleans, LA, April 18-20, 2013.
124. Clump DA, Leeman J, Flickinger J, Mintz A, Burton S, **Heron DE**. Extent of perilesional edema differentiates radionecrosis from tumor recurrence following stereotactic radiosurgery for brain metastases. Accepted Oral; American Radium society (ARS) Annual Meeting, Scottsdale, AZ, April 27-May 1, 2013.
125. Fernando HC, Landreneau RJ, Mandrekar SJ, Nichols FC, Hillman S, **Heron DE**, Myers BF, DiPetrillo TA, Jones DR, Starnes SL, Tan AD, Daly BDT, Putnam JB. Impact of brachytherapy on local recurrence after sublobar resection: Results from ACOSOG Z4032 (Alliance), a phase III randomized trial for high-risk operable non-small cell lung cancer (NSCLC). Accepted Oral; American Society of Clinical Oncology (ASCO), Chicago, IL, May 31-June 4, 2013.
126. Argiris A, Ohr J, Kubicek GJ, Duvvuri U, **Heron DE**, Kotsakis AP, Spencer C, Kim S, Grandis JR, Johnson JT, Bauman JE, Gibson MK, Ferris RL. Phase II randomized trial of radiotherapy (RT), cetuximab (E), and pemetrexed (Pem) with or without bevacizumab (B) in locally advanced squamous cell carcinoma of the head and neck (SCCHN). Accepted Poster; American Society of Clinical Oncology (ASCO), Chicago, IL, May 31-June 4, 2013.
127. Kent MS, Landreneau RJ, Mandrekar SJ, Nichols FC, DiPetrillo TA, Meyers BF, **Heron DE**, Putnam JB, Jones DR, Starnes SL, Daly B, Tan AD, Fernando HC. Factors impacting oncologic outcomes after sublobar pulmonary resection: Results from ACOSOG Z4032 (Alliance), a randomized trial for high-risk operable non-small cell lung cancer (NSCLC). Accepted Poster Discussion; American Society of Clinical Oncology (ASCO), Chicago, IL, May 31-June 4, 2013.
128. Li X, Li T, Yang Y, Zhang Y, **Heron DE**, Huq MS. Prediction of the Characteristics of Moving Lung Tumor in CBCT Imaging Using Virtual CBCT Image Simulated from 4-D CT Dataset. Accepted Poster; American Association of Physicists in Medicine (AAPM), Indianapolis, IN, August 4-8, 2013.
129. Li X, Li T, Yang Y, Zhang Y, **Heron DE**, Huq MS. Simultaneous Reduction of Radiation Dose and Scatters for DBCT by Using Collimators. Accepted Oral Discussion; American Association of Physicists in Medicine (AAPM), Indianapolis, IN, August 4-8, 2013.
130. Zhang Y, Yang Y, Li X, Li T, **Heron DE**, Huq MS. A Probability Density Function Based Dose Calculation for Gated Volumetric Modulated Arc Therapy in Lung Stereotactic Body Radiotherapy. Accepted Poster; American Association of Physicists in Medicine (AAPM), Indianapolis, IN, August 4-8, 2013.
131. Michalski D, Huq MS, Bednarz G, Lalonde R, Yang Y, **Heron DE**. Breathing Pattern of Patients with and without SBRT Immobilization Device. Accepted Poster; American Association of Physicists in Medicine (AAPM), Indianapolis, IN, August 4-8, 2013.
132. Izadbakhsh M, Le A, Brandner E, **Heron DE**, Huq MS. Information Systems Infrastructure and Architecture for a Large Integrated and Centralized Oncology System. Accepted Poster; American Association of Physicists in Medicine (AAPM), Indianapolis, IN, August 4-8, 2013.
133. Yang Y, Zhang Y, Li T, Li X, **Heron DE**, Huq MS. Dosimetric Influence of Setup Errors on RapticArc-based SRS for Simultaneous Irradiation of Multiple Intracranial Targets.

Accepted Poster; American Association of Physicists in Medicine (AAPM), Indianapolis, IN, August 4-8, 2013.

134. Vargo JA, Kubicek GJ, Ferris RL, Grandis J, Duvvuri U, Johnson J, Ohr J, Clump DA, Burton SA, **Heron DE**. Postoperative Adjuvant Stereotactic Body Radiotherapy (SBRT) ± Cetuximab Following Salvage Surgery in Previously Irradiated Head and Neck Cancer. Accepted Poster; American Society of Radiation Oncology (ASTRO), Atlanta, GA, September 22-25, 2013.
135. Duvvuri U, Byrd JK, Davis K, Ferris RL, Kim S, **Heron DE**, Clump DA, Ohr J, Bauman J, Johnson J. Transoral Robotic Surgery and the Cervical Unknown Primary: The Utility of Discovering Occult Primary Lesions. Accepted Poster; American Society of Radiation Oncology (ASTRO), Atlanta, GA, September 22-25, 2013.
136. Rajagopalan MS, Clump DA, **Heron DE**, Flickinger JC, Kubicek GJ, Burton SA. Initial Report of a Prospective Phase II Study of Stereotactic Body Radiotherapy (SBRT) in Patient with Oligometastatic Disease. Accepted Poster; American Society of Radiation Oncology (ASTRO), Atlanta, GA, September 22-25, 2013.
137. Izadbakhsh MM, Le AH, **Heron DE**, Huq MS. Oncology Information System: Building a Large Integrated and Centralized Oncology System to Improve Quality and Safety of Patient Care. Accepted Poster; American Society of Radiation Oncology (ASTRO), Atlanta, GA, September 22-25, 2013.
138. Sinicki J, **Heron DE**, Huq MS, Koen M, Bednarz G. Enhancing your culture of safety and quality through practice accreditation. American Society of Clinical Oncology (ASCO) Quality Care Symposium, San Diego, CA, November 1-2, 2013 (Abstract # 120338)
139. Robertson L, Foly K, Black KZ, Cass B, Cykert S, Davis M, Evans S, Gizlice Z, Hardy C, **Heron DE**, Hislop S, Jones N, Lightfoot A, Mouw MS, Schaal J, Smith A, Williams Y, Yewon J. Patient navigator and physician champion as partners in addressing racial equity issues in cancer care. American Public Health Association Annual Meeting, New Orleans, LA, November 15-19, 2014 (Oral Presentation/Panel Discussion)
140. Schmidt JE, Edwards JE, Bauman JE, Ferris RL, **Heron DE**, Bovbjerg DH. A Cognitive Behavioral Intervention to Reduce Pain in Head and Neck Cancer Patients. Poster presented at the Annual meeting of the Society of Behavioral Medicine, March 2016, Washington, DC.

Monographs, Multi-Media Discs, CME Publications

1. In The Treatment Of Metastatic Bone Pain...Predictable Response. **Heron DE**, Quadramet® (Samarium SM-153 Lexidronam Injection).
2. Use of 4D Imaging in Radiation Oncology, **Heron DE**, Webinar: Expert Source Oncology Series, GE Healthcare; ONC-0127-03.06-EN-US.
3. de Andrade RS, **Heron DE**, Brandner E. Clinical Impact of PET/CT on Radiation Treatment Planning. *Discussions in PET Imaging* Sept. 2007.
8. **Heron DE**. Guiding Radiation Therapy Planning with 4D CT. GE Healthcare. Fall 2007.
9. **Heron DE**. Using Image-Guided IMRT for the Extended-Field Radiation Treatment of Cervical Cancer. May 2008, Varian Medical Systems.

10. **Heron DE**, Wynn RB. Radiation Oncology 101, *Managed Care Oncology*, Therapy Reviews. 2010

Invited Lectures

1. "Intensity-Modulated Radiation Therapy—the New Modality for Cancer Care." Presented at Cancer Awareness Week Professional Symposium, Reno, PA, August 2001.
2. "What is the Role of Post-Mastectomy Radiotherapy in Breast Cancer Patients?" Presented at the Breast Cancer Debate, Magee-Womens Hospital, Pittsburgh, PA, January 2001.
3. "In Search of the Holy Gray – Clinical Applications of IMRT: Salvation or an Albatross?" Physics Lecture Series, UPMC Magee-Womens Hospital, Pittsburgh, PA, February 22, 2001.
4. "Evolution of Radiotherapy – IMRT." Presented at Franklin, PA, August 14, 2001.
5. "Optimizing Local Control. The Case for Early Delivery of RT." Presented at the Breast Cancer Debate, Magee-Womens Hospital, Pittsburgh, PA, November 1, 2001.
6. "Cancer, Radiation and You – Clinical Trials and Advances in Radiation Therapy." Presented at Minority Cancer Awareness Week with Drs. Sam Jacobs and Terry Evans, Hillman Cancer Center, Pittsburgh, PA, April 18, 2002.
7. "PET-CT and Gynecologic Malignancies." Presented at AACR Imaging Symposium, FL, January 27, 2002.
8. "PET/CT Staging and Re-Staging in Patients with Cervical Carcinoma." Presented at the Society of Nuclear Medicine, Los Angeles, CA, June 15-19, 2002.
9. "Innovative Delivery of Adjuvant Radiotherapy for Breast Cancer." Presented at Innovations in Oncology Symposium, Biomedical Science Tower, Pittsburgh, PA, September 12-13, 2002.
10. "Radiotherapy for Oral Malignancies – Acute and Late Morbidity." Annual Oral Cavity Cancer Seminar, Biomedical Science Tower, Pittsburgh, PA, October 16, 2002.
11. "Radiation Therapy – Its Use in the Treatment of Metastatic Bone Pain." 46th Annual Meeting of the Pittsburgh Chapter of the Society of Nuclear Medicine, Four Points Sheraton, Cranberry, PA, March 1, 2003.
12. "PET-CT Based Treatment Planning for Head and Neck Cancer – What Have We Been Missing?" National Medical Association Annual meeting, Radiation Section, Philadelphia, PA, August 5, 2003.
13. "Advances in Head and Neck Irradiation: The Impact of Intensity Modulation and Functional Imaging – What have we been missing?" Presented at Hahnemann University Hospital, New York, NY August 12, 2003.

14. "Modern Advances in Breast Radiation Therapy." Presented at the 1st Annual Breast Symposium, Bay Health Medical Center, Dover, DE, October 29, 2003.
15. "New Frontiers in the Management of Lung Cancer." Presented at the Lung Cancer Symposium, Hillman Cancer Center, Pittsburgh, PA, November 15, 2003.
16. "Advances in Radiation Oncology." Presented at the UPMC Cancer Centers Management Assembly, Heberman Conference Center, Pittsburgh, PA, December 4, 2003.
17. "Vicryl Mesh Brachytherapy for Early Stage Lung Cancer." Presented at the American College of Surgical Oncology, Group Annual Meeting, Miami, FL, January 9, 2004.
18. "High-Dose Rate Brachytherapy in the Management of Prostate, Breast and Gynecologic Malignancies." Presented at Jupiter Hospital Annual Cancer Conference, West Palm Beach, FL, February 6, 2004.
19. "Major Advances in Radiation Therapy for Breast, Prostate and Lung Cancer." Presented at A Reason to Hope Lecture Series, Hillman Cancer Center, Pittsburgh, PA, April 22, 2004.
20. "Functional Imaging Enhanced Planning for Head and Neck Cancer: The Impact of Hybrid PET/CT." Presented at Thomas Jefferson University, Philadelphia, PA, September 1, 2004.
21. "New Modalities in the Management of Osseous Carcinomatosis." Presented at Thomas Jefferson University, Philadelphia, PA, September 1, 2004.
22. "Advances in Head & Neck Irradiation: The Impact of Intensity Modulation, Functional Imaging & Stereotaxy - What have we been missing?" Presented at Pennsylvania Society of Oncology and Hematology 2004 Annual Scientific Meeting, David L. Lawrence Convention Center, Pittsburgh, PA, September 10, 2004.
23. "From Roentgen to Real Time-The Future of Radiation Oncology." Presented at GE Medical Advisory Meeting, Waukesha, WI, March 23, 2005.
24. "Management of Bone Pain in Metastatic Cancer." Presented for Curatio CME Institute, Capital Grille, Philadelphia, PA, April 21, 2005.
25. "Basics of Radiation Oncology." Presented to Veritus (Medicare) Clinical Staff on Radiation Oncology, Pittsburgh, PA, May 10, 2005.
26. "From Roentgen to Real-Time – The Future of Radiation Oncology." Presented to AFROC (Association of Freestanding Radiation Oncology Centers), Washington, DC, June 5-6, 2005.
27. "Principles of Clinical Radiation Oncology." Presented along with Dr. Ghassan Bejjani to Jameson Hospital Tumor Board via *TELESYNERGY*, New Castle, PA, June 8, 2005.
28. "Breakthroughs in Modern Radiation Oncology: From Seeds to Star Wars." Presented at the UPCI Scientific Retreat, Heberman Auditorium, Pittsburgh, PA, June 9, 2005.
29. "Motion-Managed IMRT." Invited speaker at the Varian IGRT Seminar, Veritus Medicare Services, Philadelphia, PA, June 10, 2005.

30. "Motion Managed IMRT." Presented to the Varian IGRT Seminar, Philadelphia, PA, June 16, 2005.
31. "From Roentgen to 'Real-Time' – The Future of Radiation Oncology." Presented at Ohio Valley Medical Center, Morgantown, WV, August 2, 2005.
32. Penn-Ohio Chapter of the American Association of Physicists in Medicine, 2006 Fall Symposium, Pittsburgh, PA, September 29-30, 2005.
33. "Dosimetric Correlation of oral Cavity Dose with Acute Mucositis in Patients Treated with Intensity-Modulated Radiation Therapy (IMRT) and Chemotherapy." Presented at ASTRO, Denver, CO, October 18, 2005.
34. "Acute Toxicities for Patients with Squamous Cell Carcinoma of the Head & Neck Treated with Intensity-Modulated Radiation Therapy (IMRT) with or without Chemotherapy." Presented at RSNA Conference, Chicago, IL, November 30, 2006.
35. "Role of PET-CT in Radiation Treatment Planning." Presented at Roswell Park Cancer Institute, Buffalo, NY, February 15, 2006.
36. "Therapeutic Options in the Management of Bony Metastasis Disease: Clinical Aspects of Radiation Therapy." Presented at the University of Buffalo, Buffalo, NY, February 15, 2006.
37. "Radiation Therapy for Head and Neck Cancer. Dental Management of the Patient with Oral Cavity Cancer." Presented at the Churchill Valley Country Club, Pittsburgh, PA, April 19, 2006.
38. "From Roentgen to 'Real-Time' – The Future of Radiation Oncology." Presented at the Philadelphia Roentgen Ray Society Meeting, Philadelphia, PA, May 4, 2006.
39. "4D CT in the Management of Non Small Cell Lung Cancer – 3D and IMRT Applications." Presented at the Second Annual PET-CT for Radiation Planning, Las Vegas, NV, May 6, 2006.
40. "Therapeutic Options in the Management of Pain and Bony Metastatic Disease." Presented in Wilkes Barre, PA, May 18, 2006.
41. "Collaboration/Partnerships." Presented at the Cancer Health Disparities Summit 2006, Bethesda, MD, July 18, 2006.
42. Moderator for the Radiation Oncology Symposium at the National Medical Association Annual Meeting, Dallas, TX, August 7, 2006.
43. "It's Your Life: Steps to a Healthier Life." Presented at the Gateway Medical Society Meeting, Pittsburgh, PA, September 9, 2006.
44. "Imaging Advances in Radiation Oncology." Presented at the University of Pennsylvania, Philadelphia, PA, September 14, 2006
45. "Stereotactic Radiosurgery." Visiting Professor at Hahnemann University Hospital, Philadelphia, PA, September 14, 2006.

46. "The Impact of PET-CT on a Radiation Oncology Practice." Presented at the Oncology Focused PET-CT Meeting, Los Angeles, CA, October 17, 2006.
47. "IMRT in Breast Cancer Management." Presented at the Waterford Surgical October Club Meeting, Waterford, Ireland, October 21, 2006.
48. "Advances in Radiation Therapy." Presented at the West Virginia Society of Radiologic Technologists 54th Annual Conference, Wheeling, WV, November 3, 2006.
49. "Treatment of Lung Cancer Using Gated IMRT." Presented for Varian at ASTRO 2006, Philadelphia, PA, November 5 & 7, 2006.
50. "Methods to Overcome Barriers in Underserved Populations." Presentation/panelist for the "Approaches to Address Cancer Disparities in Radiation Oncology," Philadelphia, PA, November 6, 2006.
51. "Acute Toxicities for Patients with Squamous Cell Carcinoma of the Head & Neck Treated with Intensity-modulated Radiation Therapy (IMRT) with or without Chemotherapy." Presented at the 2006 RSNA Conference, Chicago, IL, November 30, 2006.
52. "New Technologies (RadOnc and BioOnc); Imaging in Radiation Oncology; Cutting Edge Clinical Updates." Presented at ACRO 2007 Meeting, San Diego, CA, February 22-24, 2007.
53. "PET/CT in Radiation Treatment Planning: Clinical Results." Presented at ACRO 2007 Meeting, San Diego, CA, February 22, 2007.
54. "4D Imaging Workshop – Understand the Effects of Patient Respiratory Motion on your Treatment Plan." Presented at ACRO 2007, Hotel del Coronado, San Diego, February 22, 2007.
55. "Therapeutic Options in the Management of Pain and Bony Metastatic Disease." Cytogen Talk at Emory University Hospital, Atlanta, GA, March 1, 2007.
56. "Multidisciplinary Management of Head and Neck Cancer: Challenges and Directions in 2007." Co-Moderator for the Advances in Radiotherapy for Head and Neck Cancer Conference. Pittsburgh, PA, April 4, 2007.
57. "Therapeutic Options in the Management of Pain and Bony Metastatic Disease." Cytogen Dinner Lecture, Cleveland, OH, April 23, 2007.
58. "PET in Radiation Therapy Planning." Presented at the 2007 PET-CT for Radiation Therapy Planning Symposium, Las Vegas, NV, April 26, 2007.
59. "Radiation Therapy Response Assessment Using PET-CT." Presented at the 2007 PET-CT for Radiation Therapy Planning Symposium, Las Vegas, NV, April 28, 2007.
60. "4D CT in the Management of Non Small Cell Lung Cancer – 3D and IMRT Applications." Presented at the 2007 PET-CT for Radiation Therapy Planning Symposium, Las Vegas, NV, April 26, 2007.

61. "Clinical Applications of PET/CT." Presented at the Medical Dosimetrist Advances in Radiation Therapy Symposium, Herberman Conference Center, Pittsburgh, PA , May 12, 2007.
62. "Advances in Radiation Oncology – Seeing is Believing." Grand Rounds Presentation at the Regional Hospital in Waterford, Ireland, June 19, 2007.
63. "IGRT & SBRT" Evening Presentation, Westbury Hotel, Dublin, Ireland, June 20, 2007.
64. "Interstitial Brachytherapy in Lieu of External Beam in Treatment of Early Stage Lung Cancer." Presented at the NMA Meeting, Honolulu, HI, August 6, 2007.
65. "Perspectives for Radiation Therapy." Presented at the Brain Tumor Program Mini-Retreat, Hillman Cancer Center, Pittsburgh, PA.
66. "PET-CT & 4D PET-CT in the Management of Oncologic Patients – Radiation Planning and Assessment of Response." Presented at UPMC McKeesport Tumor Board, McKeesport, PA, September 12, 2007.
67. "PET/CT in Radiation Oncology – Clinical Results." Presented at the Roswell Park Cancer Institute 8th Annual Radiation Oncology Conference for Therapists and Dosimetrists, Conference Center, Niagara Falls, NY, September 14, 2007.
68. "Advances in Radiation Oncology – Innovations from the Burgh." Presented at UPMC Cancer Centers Management Assembly, Pittsburgh, PA, September 20, 2007.
69. "Advances in Radiation Oncology." Presented to UPMC Health Plan, Pittsburgh, PA, September 26, 2007.
70. "Innovations in Modern Radiation Therapy: From Functional Imaging to Adaptive Planning." Presented at the Pennsylvania Radiological Society Annual Meeting, Pittsburgh, PA, October 13, 2007.
71. Hampton Fellows Breakfast supported by Environmental Oncology. Informal presentation about own personal experiences on educational development, career path and how to overcome any racial tension that has been experienced throughout the process. Pittsburgh, PA, July 20, 2007.
72. Moderator for the Accrual Strategies to Cancer Clinical Trials NCI/ASTRO Cancer Disparity Symposium/Reception, Los Angeles, CA, October 29, 2007.
73. "PET/CT in Radiation Oncology: From Planning to Response Assessment." Presented at the GE Symposium at ASTRO 2007, Los Angeles, CA, October 29, 2007.
74. "Stereotactic Body Radiation Therapy for Primary, Recurrent and Metastatic Lung Tumors." Presented at the Accuray Booth at ASTRO 2007. Los Angeles, CA, October 30 & 31, 2008.
75. Presiding Officer/Moderator for the Radiation Oncology: CNS Malignancies at the 2007 RSNA Annual Meeting, Chicago, IL, November 29, 2007.
76. Moderator for the General Session at the 7th Annual CyberKnife Users' Meeting, Scottsdale, AZ, January 7, 2008.

77. "Radiation Innovations 2008." Presented at the Gateway Medical Society Meeting, Pittsburgh, PA, January 28, 2008.
78. Moderator for the General Plenary Session I: CNS Tumors at the ACRO 2008 Meeting, Miami, FL, February 21, 2008.
79. "New Dimensions in Radiation Therapy – From 4D Planning to PET/CT Assessment." Presented for GE at the ACRO 2008 Annual Meeting, Miami, FL, February 22, 2008.
80. "Multidisciplinary Management of Head and Neck Cancer: Challenges and Directions in 2008." Presented at the Herberman Conference Center, Shadyside, PA, April 23, 2008 – CME Course Director.
81. "4D PET-CT in the Management of Thoracic & Abdominal Malignancies – 3D and IMRT Implications." Presented at the 2008 PET-CT Imaging for Radiation Therapy Planning Session, Hilton Head, SC, April 12, 2008.
82. "Radiation Therapy Response Assessment Using PET-CT." Presented at the 2008 PET-CT Imaging for Radiation Therapy Planning Session, Hilton Head, SC, April 12, 2008.
83. "Radiation Oncology for H&N Tumors." Presented to UPMC ENT Residents, Eye & Ear Institute, Pittsburgh, PA, May 21, 2008.
84. "Innovations in Head and Neck Cancer Management." Presented at Medical Grand Rounds at Waterford Regional Hospital, Waterford, Ireland, June 10, 2008.
85. "Radiation Innovations 2008." Presented at MDT Meeting, Dublin, Ireland, June 11, 2008.
86. "CyberKnife Treatment of the Spine: The UPMC Experience." Presented Cyberknife® Robotic Radiosurgery Course, St. Regis Monarch Beach, Dana Point, CA, November 15, 2008.
87. "Case Studies #1: Contouring Conundrums." Presented along with Dr. David Rosenthal, at the 2009 ACRO Meeting, Lake Buena Vista, FL, February 25-27, 2009.
88. Workshop on Contouring Pelvis & Prostate; Head & Neck; Thorax & Abdomen. Lead workshop along with Dr. Michael Kuettel and Dr. Eduardo Leon at the 2009 ACRO Meeting, Lake Buena Vista, FL, February 25-27, 2009.
89. Symposium for Radiation Oncology Residents: Things to Consider when Choosing Between Academics and Private Practice. Lead symposium at the 2009 ACRO Meeting Lake Buena Vista, FL, February 25-27, 2009.
90. "Novel Radiation Modalities – Re-irradiation with Stereotactic Radiosurgery." Presented at the Multidisciplinary Management of Head and Neck Cancers – Challenges and Directions in 2009 Conference. Pittsburgh, PA, April 22, 2009.
91. Course Director - Multidisciplinary Management of Head and Neck Cancers – Challenges and Directions in 2009. Pittsburgh, PA, April 22, 2009.
92. "PET-CT Imaging for Radiation Therapy Planning." Program Director for the 2009 PET-CT for Radiation Therapy Planning Symposium, Las Vegas, NV, May 16, 2009.

93. "4D PET-CT in the Management of Thoracic Malignancies – 3D and IMRT Implications." Presented at the 2009 PET-CT for Radiation Therapy Planning Symposium, Las Vegas, NV, May 16, 2009.
94. "PET-CT in the Management of Abdominal Malignancies – 3D and IMRT Implications." Presented at the 2009 PET-CT for Radiation Therapy Planning Symposium, Las Vegas, NV, May 16, 2009.
95. "New Advances in Radiation Oncology." Presented at Gilda's Club, Pittsburgh, PA, May 27, 2009.
96. "Review of Cranial Radiosurgery – What We Know, What We Don't Know..." Presented at Benefis Sletten Cancer Institute, Great Falls, MT, June 4, 2009.
97. "Body Radiosurgery – Novel Treatment Options for Challenging & Difficult Cases ..." Presented at Benefis Sletten Cancer Institute, Great Falls, MT, June 4, 2009.
98. Panelist for the Lung Cancer Panel and the PET/CT and MRI Panel at the Piper Jaffray 3rd Annual Cancer Summit, Minneapolis, MN, July 14, 2009.
99. "IMRT Treatment Planning Assessment and Response." Invited speaker at Genesis Healthcare Tumor Board Presentation, Zanesville, OH, August 27, 2009.
100. Invited speaker for online cancer education course sponsored by The Leukemia & Lymphoma Society program titled "New Direction of Blood Cancer Therapies." Presented from UPMC McKeesport, September 15, 2009.
101. "SBRT for Recurrent Lung and Pancreatic Cancer." Presented at Beaver Medical Center Grand Rounds, Beaver, PA, October 16, 2009.
102. "Radiosurgery in the Head and Body." Invited Speaker at the 2009 RSNA 2009 and Scientific Assembly, Chicago, IL, November 29, 2009.
103. Moderator for "Radiation Oncology and Radiobiology (Lung Cancer and Sarcoma 1) Session." 2009 RSNA 95th Scientific Assembly and Annual Meeting, Chicago, IL, December 2, 2009 (10:30 am-12:00 pm).
104. Co-Moderator for "Requiring a Year of Diagnostic Radiology for Radiation Oncology Residents: The Wisdom/The Reality" session. 2009 RSNA 95th Scientific Assembly and Annual Meeting, Chicago, IL, December 3, 2009 (7:00 – 8:00 am).
105. Presiding Officer of the Scientific Paper Session Radiation Oncology and Radiobiology (Lung Cancer and Sarcoma 1). 2009 RSNA 95th Scientific Assembly and Annual Meeting, Chicago, IL, Dec 2, 2009 (10:30AM-12:00PM).
106. Invited speaker for the University of Pittsburgh SNMA Black History Month lecture. Gave a talk on career, radiation oncology and residency, Scaife Hall, Pittsburgh, PA, February 19, 2010.
107. "Case Studies #1: Contouring Conundrums." Presented along with Dr. David Rosenthal, 2010 ACRO Meeting, Lake Buena Vista, FL, February 25-27, 2010.

108. Workshop on 'Contouring Pelvis & Prostate; Head & Neck; Thorax & Abdomen.' Lead workshop along with Dr. Michael Kuettel, Dr. Eduardo Leon at the 2010 ACRO Meeting, Lake Buena Vista, FL, February 25-27, 2010.
109. Symposium for Radiation Oncology Residents: "*Things to Consider when Choosing Between Academics and Private Practice.*" Lead symposium at the 2010 ACRO Meeting, Lake Buena Vista, FL, February 25-27, 2010.
110. Invited speaker for the University of Pittsburgh Medical Explorers program. Gave a talk to middle and high school students on the treatment of cancer using radiation. University of Pittsburgh, Scaife Hall, Pittsburgh, PA, January 20, 2010.
111. "The Importance of Clinical Trials." Invited speaker at the 1/22/10, Invited speaker at the Leukemia & Lymphoma Society 'Highlights of ASH 2009' symposium, Sheraton Station Square, Pittsburgh, PA, January 22, 2010.
112. "When and Why to use Radiotherapy for Thyroid Cancer." Invited speaker at the Second Annual Advanced Topics in Thyroid/Parathyroid Surgery Conference, Renaissance Pittsburgh Hotel, Pittsburgh, PA, March 20, 2010.
113. "Re-treatment of Head and Neck Cancer with SBRT." Invited speaker at the Spring Update on Cancer Care Conference, Rio All Suite Casino Resort, Las Vegas, NV, May 1, 2010.
114. "Interim Results of a Phase II Trial of Concurrent Cetuximab & Stereotactic Body Radiotherapy (SBRT) for the Recurrent Squamous Cell Carcinomas of the Head and Neck (SCCHN)." Oral presentation at the 52nd ASTRO Annual Meeting, San Diego, CA, November 3, 2010
115. "Stereotactic Body Radiation Therapy for Recurrent Head & Neck Cancers: New Options, New Challenges." Presented at the UPMC Monthly SPORE Meeting, Eye & Ear Institute, Pittsburgh, PA, November 22, 2010.
116. "Radiosurgery in the Head and Body." Presented the refresher course session (RC118D) at the RSNA 96th Scientific Assembly and Annual Meeting, Chicago, IL, November 28, 2010 (2:00-3:30 pm).
117. Moderator for CNS Boost Course (RO25), Integrated Science and Practice (ISP) Session at the RSNA 96th Scientific Assembly and Annual Meeting, Chicago, IL, November 29, 2010 (10:30 am – 12:00 pm).
118. "Role of Radiation Therapy in Locally Advanced Colorectal Carcinoma." Presented at the Arab Health 2011 Conference, Dubai, United Arab Emirates, January 26, 2011.
119. "Controversial Cases in Cancer Therapy." On Discussion Panel for the Arab Health 2011 Conference, Dubai, United Arab Emirates, January 27, 2011 (12:30-3:30 pm).
120. Co-Moderator of Spine Session at the 2011 CyberKnife Summit, San Francisco, CA, February 11, 2011 (1:00 – 2:00 pm).
121. Co-Director of Performance Improvement and Patient Safety Session at the 2011 CyberKnife Summit, San Francisco, CA, February 12, 2011 (1:00 – 5:00 pm).

122. Facilitator of the Symposium for Radiation Oncology Residents at the 2011 ACRO Annual Meeting, San Diego, CA, February 25, 2011 (8:00 am – 12:00 pm).
123. "Radiosurgery with Targeted Therapy in the Head and Body." Visiting Professor/ Presented at the South Jersey CyberKnife Center at Cooper, Mount Laurel, NY, April 5, 2011.
124. "CyberKnife Technology." Presented at UPMC St. Margaret, Pittsburgh, PA, April 7, 2011 (11:30 am – 12:00 pm).
125. "Changing Medical Management with FDG PET/CT." Presented at John P. Murtha Regional Cancer Center, Johnstown, PA, May 2, 2011 (6:00-7:00 pm).
126. "Radiation Oncology: State of the Art and Future Perspectives in Europe and the U.S.A." Presented in San Pietro, Italy, June 7, 2011 (6:00-7:30 pm).
127. "Advanced Therapy in the New Millennium – Enabling Personalized Medicine." Presented in Sicily, Italy, June 9, 2011 (5:00-6:30 pm).
128. "Clinical Implementation of VMAT." Presented via Webinar (along with D3), June 21, 2011 (12:30-1:30 pm).
129. MDT Head & Neck Clinic Presentation, Waterford Regional Hospital, Ireland, September 5, 2011.
130. "Dawn of a New Era - Innovative Radiosurgical Strategies for Complex Diseases." Presented at the TrueBeam Open House at UPMC Shadyside, Pittsburgh, PA, September 13, 2011.
131. "The Impact of 2011 Medicare Changes on Participation of the Elderly in Clinical Trials." Keynote Speaker at the ASTRO/NCI Diversity Symposium and Reception, Loews Miami Beach Hotel, Miami, FL, October 3, 2011.
132. "Life on the GRID: Practical Application of IGRT in the Clinic." Presented at the Velocity Users Meeting as part of the 2011 ASTRO Meeting, Loews Miami Beach Hotel, Miami, FL, October 3, 2011.
133. "Stereotactic Body Radiotherapy: "Cyberknife" in the Treatment of the Peripheral Non-Small Cell Lung Cancer and Pulmonary Oligometastases." Presented at the Passavant Hospital Foundation Conference Center & Legacy Theatre, Cumberland Woods Village, Allison Park, PA, November 11, 2011.
134. "Stereotactic Body Radiation Therapy for Recurrent Head & Neck Cancers: New Options, New Challenges." Presented for ASRT Talk, UPMC Cancer Pavilion, Pittsburgh, PA, November 16, 2011.
135. Presiding Officer of the Radiation Oncology and Radiobiology (Biology) Scientific Paper Session at the RSNA 2011 Meeting, McCormick Place, Chicago, IL, November 28, 2011. (3:00-4:00 pm).
136. "Radiation Oncology: Preparing for the Future." Presented at the Cancer Centers Management Assembly, Herberman Conference Center, Pittsburgh, PA, January 19, 2012

137. "Targeted Therapy with Radiosurgery for the Head & Body: New Opportunities..." Presented to group of middle and high school students that are enrolled in the University of Pittsburgh's Medical Explorers Program, Herberman Conference Center, Pittsburgh, PA, February 1, 2012.
138. Moderator of General Plenary Session IV: Radiosurgery. 2012 ACRO Meeting, Fort Myers, FL, February 25, 2012.
139. "Stereotactic Body Radiation Therapy for Recurrent Head & Neck Cancers: New Options, New Challenges." Presented at Oncology Grand Rounds, Herberman Conference Center, Pittsburgh, PA, May 9, 2012.
140. "SBRT for Recurrent H&N Cancers." Presented at Emerging Technologies Clinical Forum 2012, Innovative Radiation Therapy, New York, NY, June 13, 2012.
141. "Motion Management Strategies and Clinical Outcomes." Presented via Webinar for Advances in Oncology 2012, An Education Webinar Series, June 20, 2012 (1:00-2:00 pm).
142. "Radiosurgery for the Head & Body." Presented to CCAC's STEM Academy students, CCAC Campus, Pittsburgh, PA, July 6, 2012.
143. "Targeted Therapy with Radiosurgery for the Head & Body: New Opportunities..." Presented to University of Pittsburgh Premedical Organization for Minority Students (POMS), UPMC Shadyside, Radiation Oncology Department, Pittsburgh, PA, September 28, 2012.
144. "Life on the GRID: Practical Applications of IGRT in the Clinic" Presented at the Velocity Users Meeting as part of the 2012 ASTRO Meeting, Boston, MA, October 28, 2012.
145. "Radiosurgery: A Review of Clinical Outcomes." Presented at the AIRO Congress Conference, Rome, Italy, November 18, 2012.
146. Presiding Officer of the Radiation Oncology and Radiobiology (Biology) Scientific Paper Session at the RSNA 2012 Meeting, McCormick Place, Chicago, IL, November 25, 2012.
147. Moderator for the "Performance Improvement and Patient Safety Session" at the AERO Forum, Dallas, TX, November 30, 2012.
148. "Radiation Oncology." Presented to Chinese Delegation (AmCham), Pittsburgh, PA (USX Building), December 11, 2012.
149. "Stereotactic Radiosurgery: Clinical Results of a Non-Invasive Technology with High Surgical Precision." Presented at UPMC San Pietro Workshop, Rome, Italy, January 15, 2013.
150. "Implementation of 4DCT (4D PET-CT) & Motion Management in Modern Radiation Oncology Practice – Implications & Outcomes for 3D & IMRT." Presented at the Cancer Imaging and Radiation Therapy Symposium, Orlando, FL, February 8, 2013.
151. "Stereotactic Body Radiotherapy is Better." Presented at the Lung Cancer 2013: Image Guided Ablation to VATS Lobectomy Program (under the Peripheral Lung Cancer in the High Risk Patient Management Session), Pittsburgh, PA, February 21, 2013.

152. "Multidisciplinary Patient Care: Integrating Ablative Radiotherapy New Paradigms New Opportunities." Presented to the OHA Physicians, Pittsburgh, PA, June 10, 2013.
153. "SRS/SABR." Presented via D3 Oncology Solutions Webinar along with Ron Lalonde, June 11, 2013 (1:00-2:00 pm).
154. "Cranial & Spine SRS/SBRT with an Eye on TrueBeam STx." Presented at San Raffaele Hospital, Milan, Italy, July 8, 2013.
155. "Cranial & Spine SRS/SBRT with an Eye on TrueBeam STx." Presented at UPMC San Pietro, Rome, Italy, July 9, 2013.
156. "Accuracy, Conformity and Dose Prescription in SBRT." Presented at 2nd Annual UPMC Beacon Hospital and UPMC International Stereotactic Radiosurgery and Stereotactic Body Radiotherapy Symposium, UPMC Beacon Hospital Cancer Centre, Dublin, Ireland, October 18, 2013.
157. "SBRT vs. Surgery-Assessment of Response in NSCLC; New Paradigm, New Opportunities and YES, IT'S BETTER TOO!" Presented at 2nd Annual UPMC Beacon Hospital and UPMC International Stereotactic Radiosurgery and Stereotactic Body Radiotherapy Symposium, UPMC Beacon Hospital Cancer Centre, Dublin, Ireland, October 19, 2013.
158. "The Future of Radiation Oncology." Presented at 2014 UPMC CancerCenter Management Assembly, Pittsburgh, PA, January 17, 2014.
159. "Stereotactic Radiosurgery: Best Practices With Clinical Results of a Non-Invasive Technology with High Surgical Precision." Presented via Webinar for Imaging Technology News Webinar Series (Supported by an educational grant from Accuray). February 18, 2014.
160. Hands-On Planning for Liver Cancer. Proctored this session at the Radiosurgery Society Gastrointestinal Workshop, Minneapolis, MN, May 10, 2014.
161. "Head and Neck Patient Selection, Dose Fractionation and Imaging." Presented at the Radiosurgery Society Head and Neck Workshop, Minneapolis, MN, May 10, 2014.
162. Hands-On Planning for Base of Skull. Proctored this session at the Radiosurgery Society Head and Neck Workshop, Minneapolis, MN, May 10, 2014.
163. Hands-On Planning for Head and Neck. Proctored this session at the Radiosurgery Society Head and Neck Workshop, Minneapolis, MN, May 10, 2014.
164. "Practical Applications of IGRT in a Distributed Network: LIFE ON THE GRiD." Presented at the 2014 Varian Users Meeting, San Francisco, CA, September 13, 2014.
165. "The Emerging Role of Stereotactic Radiosurgery as an Adjuvant to Surgical Resections." Presented at the Novalis Circle Symposium, San Francisco, September 14, 2014.
166. "Benefits of Clinical Guidelines in Delivery of Oncology Care." Presented at the International Oncology Symposium in Astana, Kazakhstan, September 24, 2014.

167. Workshop Moderator: "Track 1: Clinical Workshop on Breast Cancers." International Oncology Symposium, Astana, Kazakhstan, September 25, 2014.
168. Workshop Moderator: "Clinical Case Review – Breast Cancer" International Oncology Symposium, Astana, Kazakhstan, September 25, 2014.
169. Workshop Moderator: "Track 2: Clinical Workshop on Cervical Cancers." International Oncology Symposium, Astana, Kazakhstan, September 26, 2014.
170. Workshop Moderator: "Clinical Case Review – Cervical Cancers." International Oncology Symposium, Astana, Kazakhstan, September 26, 2014.
171. "SBRT for Recurrent Head and Neck Cancer." Presented to the Radiation Oncology Residents, Pittsburgh, PA, November 25, 2014.
172. "Advanced Non-Surgical Treatment for Prostate Cancer... Tomorrow's Treatment Today." Presented to the UsToo Prostate Cancer Support Group, Hillman Cancer Center, Pittsburgh, PA, January 21, 2015.
173. "Radiosurgery in the Head and Body." Presented to the University of Pittsburgh's Summer Premedical Academic Enrichment Program (SPAEP) students, Scaife Hall, Pittsburgh, PA, June 11, 2015.
174. "Is Hypo-Fractionation Going to be the Standard in the Next Decade?" Presented at the 3rd Annual UPMC International Symposium, Rome, Italy, September 15, 2015.
175. "Radiation Dose-Volume Effects in SBRT for Locally-Recurrent Previously-Irradiated Head and Neck Cancer." Presented at the ASTRO 2015 Conference, San Antonio, TX, October 20, 2015
176. "Stereotactic Radiosurgery (SRS) for Spine Tumours: State-of-the-Art." Presented at The 2015 International Symposium on Minimally-Invasive Oncology, Gleneagles Hospital, Singapore, November 21, 2015.
177. "Intensity-Modulated Radiation Therapy (IMRT) for Head and Neck Cancers." Presented at the 2015 International Symposium on Advance in HPB Surgery and Radiation Oncology, Sedona Hotel, Myanmar, November 22, 2015.

PROFESSIONAL ACTIVITIES

Teaching Honors:

Fellow of the American College of Radiation Oncology (FACRO) Award, February 22, 2009.
 Fellow of the American College of Radiology (FACR) Award, April 22, 2012.

Teaching:

2003 to present Co-Course Director, Physician Intensity-Modulated Radiation Therapy

(IMRT) Course, D3-UPMC Cancer Centers national physician and physicist training.

- 2003 to present Fellowship Director, The A. Robert Kagan Palliative Care Fellowship Sponsored by the American College of Radiation Oncology (ACRO)
- 2006 to present Course Director, D3 Oncology Solutions and UPMC Cancer Institute Center of Excellence SRS Training Program
- 2012 to present Course Director, D3 Oncology Solutions and UPMC Cancer Institute SRS/SABR Training Program
- 2014 to present Course Director, D3 Oncology Solutions and UPMC CancerCenter Respiratory Motion Management Training Program

Medical staff professional development:

Method and Logic Course March 2005-May 2005
Invited faculty member precepting first year medical student on the critical review and interpretation of clinical data in medicine.

Integrated Case Studies Course (ICS) Spring 2001-Spring 2004
Preceptor of a small group problem-based learning course.

Interviewer University of Pittsburgh School of Medicine July 2000-June 2002
Medical Admission Committee

Interviewed 12 prospective medical students for the University of Pittsburgh School Of Medicine's Committee on Admissions during the academic year 2001-2002.

June 28, 2000 Lectured to UPMC Magee-Womens Hospital gynecology residents on the use of Radiation Therapy in Gynecologic Oncology.

November 2000 Preceptor for UPMS medical student Matt Heller, MS3 at UPMC Magee-Womens Hospital.

January 4, 2001 Breast Cancer Debate: What is the role of post-mastectomy radiotherapy in breast cancer patents? Magee-Womens Hospital.

January 2001 Preceptor for UPMC medical student Dave Atterbury, MS4 at UPMC Magee-Womens Hospital

February 22, 2001 Lecture for the Physics Lecture Series, In Search of the Holy Gray—Clinical Applications of IMRT: Salvation or an Albatross? UPMC Magee-Womens Hospital.

February 23, 2001 Lecture for UPMC Magee gynecology residents on the use of Radiation Therapy in Gynecologic Oncology.

March 2001	Guest Lecturer to medical student in the “Neoplastic Disease” Seminar with Adam Brufsky, MD. Rajiv Pannikar, MS4, Alex Delaney, MS4.
July 2001	Mentor/Program Director/Advisor – Anurag Agarwal
February 26, 2002	Mentored Medical Student IV James Huang for Neoplasia & Neoplastic Diseases Selective (Course # MED 5715).
March 1, 2002	Lectured Gynecology residents on radiotherapy for GYN malignancies.
March 5, 2002	Mentored Medical Student IV Ajay Bhatnagar for Neoplasia & Neoplastic Diseases Selective (Course #MED 5715). Also ongoing mentorship with regard to research and career goals.
March 12, 2002	Mentored Medical Student IV James Huang for Neoplasia & Neoplastic Diseases Selective (Course #MED 5715).
April 8, 2002	Performance Based Assessment Program for second year medical students (MS-2); 7 hours of contact.
May 6-10, 2002	Mentored Medical Student IV Kevin Vaughn for Radiation Oncology 4 th year elective (Course #RAD 5620X).
July 1- August 9, 2002	Mentored Tammi Thomas in the 2002 Summer Premedical Academic Enrichment Program (SPAEP) Level II.
November 1-19, 2002	Mentored Irfan Ahmed, MD, McKeesport resident during radiation oncology rotation. Project on Vulvar cancer started.
February 3, 2003	Mentored Claus Simpfendorfer on Radiation Oncology elective at Shadyside (1 month).
March 3 rd , 2003	Clinical Aspects of Radiation Therapy: Neoplasia Course with Adam Brufsky, Heberman Conference Center, Room B. (9-10 AM).
March 4, 2003	Mentored Philip Saylor, 4 th year medical student (UPSOM) as part of Neoplasia & Neoplastic Diseases Selective (MED 5715). 1-5 PM
March 13, 2003	Mentored Andrea Tan, 4 th year medical student (UPSOM) as part of Neoplasia & Neoplastic Diseases Selective (MED 5715). 1-5 PM Integrated Case Studies: 8 students for 8 session, 2 hours each.
August 25,-29, 2003	Mentored Cliff Robinson, MS IV during rotation.
August 1-5, 2003	Mentored J. Ladapo, MS IV during rotation.
September 22-30, 2003	Mentored Mang Chen, MS III during rotation.
October 13-31, 2003	Mentored Timothy Lowry, MS IV during rotation.
November 10-14, 2003	Mentored Priya, MS IV during rotation at Shadyside
October 20-November 7, 2003	Mentored Marsha Haley, MS IV during rotation.
November 19, 2003	Mentored Marissa Mapa, MS IV during rotation

January 12-30, 2004	Mentored Ahmed Tarhani, PGY 4 (Heme/Onc Fellow) during rotation
May 3 – June 23, 2004	Clarissa Febles, MD, Thomas Jefferson, Kagan Fellow
June 10 – July 22, 2004	Kahleb Graham, University of Pittsburgh, Shadow
August, 2004	Mary Ann Kivlen, MD, Fellow, Rotation
August 2 – August 20, 2004	Nancy Desaulnier, University of Alberta, Observe
July 12 – August 7, 2003	Suzanne Yovino, University of MD
August 9 – October 3, 2004	Ivan Fazio, MD, UPMC Palermo, Observe
August 23 – September 19, 2004	Mammen Sam, MD, Mercy Hospital Resident, Elective
2004 – Current	Gregory Gan, MD, PhD, University of Pittsburgh, Shadow, Research, Mentee
October, 2004	Sai Varanasi, MD, Fellow, Rotation
November 2004	Sharmila Roy-Chowdhury, MD, Rotation
February 2005	Utpal Inamdar, University of Pittsburgh, Shadow
Jan – July 2005	Gregory Gan, University of Pittsburgh (MD, PhD) - Research
January 2005	Matthew D'Alessio, MD, Fellow, Rotation
January 3 – February 26, 2005	Salma Jabbour, MD, Johns Hopkins, Kagan Fellow
January – April 2005	Adam Garsa, University of Pittsburgh, Shadow
April 1 – May 31, 2005	Brian Lally, MD, Yale, Elective
May – August 2005	Adam Garsa, University of Pittsburgh, Research
June 2005	Matt Holtzman, MD, Pitt Surg Onc Fellow, Rotation
September 14, 2006	Imaging Advances in Radiation Oncology presented at the University of Pennsylvania, Philadelphia, PA
September 26, 2006	Lectured to UPMC Radiation Oncology Residents on Head & Neck Cancer
January 2007 – January 2008	Michael O'Neill, University of Pittsburgh, Shadow, Research
December 2007 – June 2011	Jean-Claude Rwigema, University of Pittsburgh, Shadow, Research
August 2008 – December 2009	Michael Howell, University of Pittsburgh, Shadow, Research
September 2008 – January 2009	Tanner Bartholow, University of Pittsburgh, Shadow
December 2008 – current	Adam Olson, University of Pittsburgh, Shadow, Research
September 2007 – August 2010	Malolan Rajagopalan, University of Pittsburgh, Shadow, Research
February 2009 – April 2009	Mark Sharafinski, University of Pittsburgh, Shadow

July 2009 – July 2010	Anthony Paravati, Doris Duke Research Fellowship, One Year Rotation, Research, Mentee
September 2009 – November 2009	Steve Perry, University of Pittsburgh, Shadow
October 1 – 30, 2009	Uma Swamy, ACRO Palliative Medicine Fellowship, One Month Rotation, Research
September 2009 – 2011	Kenneth Rodriguez, University of Pittsburgh, Research Primary Tumor and Nodal Volume Predicts Outcome and Need for Surgery after Primary Chemo-radiation for Head and Neck Cancer
December 2009 – 2011	Steven Perry, University of Pittsburgh, Research A Cost Effectiveness Analysis of Two Radiotherapy Approaches in the Treatment of Non-Small Cell Lung Carcinoma
January 2010 – July 2013	Anthony Paravati, Research, RTOG RPA for GBM in the temozolomide era, Mentoring
March 2010 – September 2012	Serah Choi, University of Pittsburgh Medical Scientist Training Program (MSTP), Longitudinal Clinical Clerkship
February 2010 – April 2013	Kyle Wang, University of Pittsburgh, Research Stereotactic Body Radiation Therapy (SBRT) for Previously-Irradiated, Recurrent Squamous Cell Carcinoma of the Head and Neck: Analysis of Patterns of Failure
February 2010 – January 2014	Marcher Thompson, University of Pittsburgh, Shadowing, Scholarly Project, Advising
June 2010 – July 2013	Mark Bernard, University of Pittsburgh, Shadowing, Research, Mentoring
June – August 2010	Carley Bria, Simon Kramer Externship
August 2010 – February 2013	Craig Riley, University of Pittsburgh, Research, Dosimetric Evaluations of the Interplay Effect in RapidArc Radiation Therapy
December 2010 – July 2011	Hebist Berhane, University of Pittsburgh, Research
April 2011 – July 2012	John Vargo, University of Pittsburgh, Research Stereotactic Body Radiotherapy for Non-squamous Cell Carcinoma of the Head and Neck, Molecular Class as a Predictor of Locoregional and Distant Recurrence in the Neoadjuvant Setting for Breast Cancer, Locoregional recurrence based on molecular phenotype
February 2011 – April 2013	Samir Shah, University of Pittsburgh, Research, Analysis of Lung Radiosurgery”

August 2011 – April 2013	Ronny Kalash, LECOM, Research, Linear-accelerator based stereotactic radiosurgery for patients with brain metastases from breast cancer.
August 2011 – March 2012	Neeta Kannan, University of Pittsburgh, Research, Cost-analysis of modalities for treatment of prostate cancer
March 2012 – present	Jonathan Leeman, University of Pittsburgh, Research
March 2012 – June 2014	Zachary Horne, University of Pittsburgh, Research, Combined Research Project with Thoracic Surgery
April 2012 – present	Diane Ling, University of Pittsburgh, Research, Toxicity in the radiation treatment of head and neck cancer (HNC)
July 2012 – present	Arif Rashid, University of Pittsburgh, Research, Scholarly Project (HNC Database)
July 2012 – August 2012	Christopher Hall, Bucknell University Student, Mentored and Advised
July 2013 – present	Doug Holt, University of Pittsburgh, CTSP Mentor, Research, Brain Metastases Project
May 2013 – present	Tyler Walburn, University of Pittsburgh Undergraduate Student, Mentored and Advised
October 2013 – present	Jeremiah Au, University of Pittsburgh Medical Student, Advised
November 2013 – present	John Kang, University of Pittsburgh Medical Student, Mentored and Advised
June – September 2014	Uzoma Iheagwara, University of Pittsburgh MD/PhD Student, Shadowing, Mentored and Advised
October 2014 – present	Jordan Dubique, University of Pittsburgh Medical Student, Mentored and Advised

RESEARCH

Grants:

ACTIVE

Grant: R01 CA150980	06/01/12-03/31/17	0.60 calendar
NIH/NCI	\$465,832	
Accountability for Cancer Care through Undoing Racism and Equity (ACCURE)		
The Greensboro Health Disparities Collaborative and two Cancer Centers have joined together to		

specify structures built into cancer care systems that make cancer care vulnerable to institutional racism and investigate how they can be changed to reduce racial inequity in quality and completion of treatment for Stage 1-2 breast and lung cancer patients. Accountability for Cancer Care through Undoing Racism and Equity (ACCURE) systems change intervention is informed by CBPR principles, the Undoing Racism™ framework, and findings from our preliminary studies.
PI: S. Cykert and E. Eng

Grant: U10 CA180844-01 03/01/14-02/28/19 1.20 calendar
NCI/NCTN \$4,956,250

NCI NCTN- University of Pittsburgh Cancer Institute (UPCI) UPMC Cancer Center – National Clinical Trials Network Lead Academic Participating Site (LAPS)

As a Lead Academic Site of the NCI National Cancer Network, the UPCI intends to leverage its historical leadership in the cancer cooperative groups, as well as its sophisticated and vibrant clinical research programs, to reduce the burden of cancer through assistance in the conduct of large, multicenter, scientifically sound, important cancer clinical trials with the potential to change the standard of cancer care in the United States and worldwide.

PI: A. Brufsky, Co-PI: D. Heron

Grant: (No grant #) 10/02/13-
Bristol-Myers Squibb Company \$20,000

Utilization of Low Level Laser Therapy for Mitigation of Cetuximab and Radiation –Induced Dermatitis in Patients Receiving Definitive Therapy for Head and Neck Squamous Cell Carcinoma
PI: M. Rajagopalan, Co-PI: D. Heron and D. Clump

INACTIVE

Grant: U10 CA021661-33 01/01/2009-12/21/2014 0.90 calendar
NIH/NCI \$66,948.612

Radiation Therapy Oncology Group

Goal is to conduct multicenter, multidisciplinary clinical trials that systematically test novel radiotherapy approaches against cancer

PI: W. Curran

Grant: (No grant #) 06/12/13-08/01/14
Shadyside Hospital Foundation \$18,100

Utilization of Low Level Laser Therapy in the Improvement of Patient-Reported Quality of Life and Pain in Patients Treated with Chemoradiotherapy for Head and Neck Cancer

PI: A. Quinn, Co-PI: D. Clump

Grant: (No grant #) 09/13/2013-08/01/2014
Beckwith Foundation \$8,000

Utilization of Low Level Laser Therapy in the Improvement of Patient-Reported Quality of Life and Pain in Patients Treated with Chemoradiotherapy for Head and Neck Cancer

PI: A. Quinn, Co-PI: D. Clump

Grant: RO2013-913 08/01/2013-07/31/2014
Radiation Oncology Institute \$20,000

RadOnc Toolbox: Website & Mobile App to Revolutionize Symptom Management

PI: M. Rajagopalan, Co-PI: D. Heron and S. Beriwal

Grant: (No grant #) 03/01/2009-03/25/2011 5% effort
Varian/D3/UPMC \$750,000

Grant: (No grant #) 09/01/2006-08/31/2007
NCI \$109,169
Clinical Trials Supplement to Cooperative Planning Grant: Supplement grant.

Grant: (No grant #) 01/02/2005-06/22/2006
GE Medical \$50,000/6 months
Evaluation of auto-segmentation algorithm for the creation of target volumes in Radiation Treatment planning.

Appropriations:

Commonwealth Universal Research Enhancement (C.U.R.E.) Program Pennsylvania Department of Health (January 1, 2007 to December 31, 2007) McKeesport (Assigned to Jameson Research Project) Principal Investigator.

Ongoing Clinical Research:

Pediatric Brain Tumors and Treatment with Radiotherapy – Collaboration with researchers at St. Judes Children Research Center on pediatric dorsally exophytic brainstem gliomas.

Stereotactic Radiotherapy for Benign and Malignant Brain Tumors and Head and Neck Tumors – broadening the scope and indications for the use of extra-cranial radiosurgery (CyberKnife) to treat novel disease sites.

Acupuncture in Patients Treated for Cervical Cancer – Pilot Trial of Acupuncture to Reduce Anxiety and Pain Associated with Outpatient High Dose Rate Brachytherapy Treatment for Carcinoma of the Uterine Cervix

Evaluation of PET/CT in the Staging and Management of Cervical Cancer patients - The current standards for staging and re-staging patients with cervical carcinoma are CT, MRI and/or ultrasound that are limited by their lack of functional information. PET has also been used in this patient population but lacks anatomical detail. PET/CT is an emerging modality that directly fuses anatomy (CT) with function (PET). Magee-Womens Hospital has one of the largest experiences in the country and that data is currently being reviewed for publication with at least 2 manuscripts in process.

Use of Stereotactic Technologies for the Treatment of Extra-cranial and intra-cranial Disease – Expanding stereotactic technology to treat head and neck, lung, abdominal, pelvic and spinal malignancies.

Intensity-Modulated Radiotherapy for the Treatment of Breast & Gynecologic Malignancies – Ongoing development and retrospective review of IMRT treatment of breast and gynecological IMRT.

Breast Brachytherapy-QA Policies and Procedures – Ongoing development of Departmental wide policies and procedures for the expanding breast brachytherapy program.

IMRT & PET/CT in Oncology – Ongoing multidisciplinary collaboration with Norbert Avril, MD, of PET Oncology. This collaboration has produced several abstracts and has resulted in several clinical pathways with the goal of gathering meaningful data for scientific publication.

Clinical Database Warehouse – Collects Radiation Oncology data both retrospectively and with an ongoing review of IMRT files at all of our facilities. The program is also doing retrospective and ongoing Quality of Life questionnaires on these IMRT patients. This will be one of the largest IMRT databases in the nation. The SBRT program houses a database of 900 liver, lung and spine patients treated with CyberKnife, Trilogy and Synergy.

SBRT Clinical Database – Collects Radiation Oncology data retrospectively.

Clinical Trials:

MWH-94-034 Co-Investigator: Sexual Function in Women Treated for Gynecological Malignancies. Magee-Womens Hospital, Pittsburgh, PA. Gerszten K, Heron DE, Knapp J, Posluszny D.

MWH-20-090 Co-Investigator: Pilot Trial of Acupuncture to Reduce Anxiety and Pain Associated with High Dose Rate Brachytherapy Treatment of Cervical Cancer. Magee-Womens Hospital, Pittsburgh, PA. Gerszten K, Balk J, Heron DE, Fletcher D, Baum A.

MWH-20-114 A Randomized Phase III Study of Tumor Volume Directed Pelvic Plus or Minus Para-Aortic Irradiation Followed by Cisplatin and Doxorubicin or Cisplatin, Doxorubicin and Paclitaxel for Advanced Endometrial Carcinoma (GOG #184) Magee-Womens Hospital, Pittsburgh, PA. Edwards R, Comerci J, Gerszten K, Heron DE, Kelley J.

MWH-21-036 Co-investigator: Trial of Intensity Modulated Radiation Therapy (IMRT) to Reduce Volumes of Small and Large Bowel Doses in Patients Receiving External Beam Radiotherapy for Gynecological Malignancies. Heron DE, Gerszten K, Kalnicki S.

MWH-21-053 Co-investigator: Chart Review to Analyze Outcomes of Patients Treated with Radiotherapy for Gynecologic Malignancies. Gerszten K, Heron DE.

MWH-21-076 Co-investigator: Chart Review to Analyze Outcomes of Patients Treated with Radiotherapy for Metastases. Gerszten K, Heron DE.

MWH-21-077 Co-investigator: Chart Review to Analyze Outcomes of Patients Treated with Radiotherapy for Breast Malignancies. Gerszten K, Heron DE.

MWH-21-079 Phase III Trial to Evaluate the Efficacy of Maintaining Hemoglobin Levels above 120 g/l with Erythropoietin vs above 100 g/l without Erythropoietin in Anemic Patients Receiving Concurrent Radiation and Cisplatin for Cervical Cancer (GOG 191). Magee-Womens Hospital, Pittsburgh, PA. Edwards R, Comerci J, Gerszten K, Heron DE, Kelley J.

MWH Quality of Life Assessment for Patients with Breast Cancer Undergoing Radiation Therapy. Magee-Womens Hospital, Pittsburgh, PA. Gerszten K, Heron DE, Agarwal A, Lacey G, Pepka D, Koenig M, Mogus R, Knapp J.

PITT 0405730 Twin Cities Brachytherapy Study for Ductal Carcinoma In-Situ. Magee-Womens Hospital and Shadyside Hospital, Pittsburgh, PA Falk J, Beriwal S, **Heron D**, Keenan D, Johnson R, Edington H, Bonaventura M, Kelley J.

PITT 0405095 Review of Vulvar Cancer (184.4) Patients to Get a Better Understanding of the Types of Side Effects Seen in Patients Receiving Radiation Treatment for Vulvar Cancer and Quantify Adverse Events. **Heron DE**, Ahmed IA.

PITT 0307087 Department of Radiation Oncology Research Registry. **Heron DE**.

PITT 0406113 Review of Medical Records of Head and Neck Patients. **Heron DE**.

PITT 0407140 Review of Medical Records for Breast, Chest Wall, and Axilla Patients, **Heron DE**.

PITT 0408147 Review of Medical Records for the Genitourinary System Patients. **Heron DE**.

PITT 0408146 Review of Medical Records for Thorax, Esophagus, Stomach, Liver, Pancreas, Mediastinum, and Digestive System Patients, **Heron DE**.

PITT 0411162 Review of Medical Records for Pediatric Patients Treated with Radiation Therapy, **Heron DE**.

PITT 0503211 Review of Medical Records for Patients Treated with Radiation Therapy for Other Miscellaneous Malignancies, **Heron DE**.

PITT 0408108 UPMC McKeesport/ Radiation Oncology Community Outreach Group (ROCOG) Radiation Oncology Minorities Outreach Program

PITT 0601098 How Can Radiation Oncologists Better Serve Their Patients? A Randomized Study to Determine Whether Radiation Oncologists Can Improve Patient Satisfaction by Attempting to Meet Their Patients' Preferences.

Randomized Phase III Study of Conventional Whole Breast Irradiation (WBI) Versus Partial Breast Irradiation (PBI) for Women with Stage 0, I, or II Breast Cancer (NSAPB Protocol B-39/RTOG 0412)

Varian Medical Systems: Co-Principal Investigator: *Development of Total Abdominal Intensity Modulated Radiation Therapy*. University of Pittsburgh Cancer Institute and D3 Advanced Radiation Planning Services, Pittsburgh, PA

Radiation Oncology Principal Investigator of a randomized clinical trial that will compare sublobar resection alone with the resection/radiation therapy combination in lung cancer patients. American College of Surgeons Oncology Group (ACOSOG), a cooperative clinical trial group funded by the National Cancer Institute will involve 200 patients with early stage cancer.

Clinical Outcome with Adjuvant Treatment of Endometrial Carcinoma Using Intensity-Modulated Radiation Therapy.

Early Clinical Outcome with Concurrent Chemotherapy with Extended-field Radiotherapy Using IMR for Cervix Cancer.

Intensity-modulated Radiotherapy for the Treatment of Vulvar Carcinoma: a Comparative Dosimetric Study with Early Clinical Outcome.

Comparison of 2D vs. 3D Dosimetry for Rotte 'Y' Applicator High Dose Rate Brachytherapy for Medically Inoperable Endometrial Cancer.

RTOG 0420 A Phase II Study of Radiation Therapy Plus Low Dose Temozolomide Followed by Temozolomide Plus Irinotecan for Glioblastoma Multiforme UPCI 04-179 Co-Investigator.

ACOSOG Z4032 – A Randomized Phase III Study of Sublobar Resection versus Sublobar Resection Plus Brachytherapy in High Risk Patients with Non-small Cell lung Cancer (NSCLG), 3 cm or Smaller, **Dwight E. Heron**, MD, Radiation Oncology PI.

UPCI 06-093 – Re-irradiation with Fractionated Stereotactic Radiosurgery plus Cetuximab in Patients with Recurrent Squamous Cell Carcinoma of the Head and Neck, **Dwight E. Heron**, PI.

SERVICE

University and Medical School

- | | |
|-------------------|--|
| Summer 1991, 1992 | Strong Children's Research Center (SCRC) Fellow
Rochester, NY. |
| 1991 to 1993 | Vice-President University of Rochester School of Medicine,
Class of 1995 |
| 1991 to 1995 | Student National Medical Association, member |
| 1991 to 1995 | Journal of The University Of Rochester Medical Center
(JURMC), Editor-in-Chief, 1994-95 (Editorial Board 1991-94) |
| Summer 1993 | Department of Pediatrics Student and SCRC Fellow
Rochester, NY. |
| 1992 to 1994 | Constitution Committee for the Student Body
Chair, 1992-1993 |
| 1992 to 1995 | Medical Student Interviewer and Voting member |
| 1992 to 1995 | University of Rochester School of Medicine Admissions Committee |
| 1995 to 1996 | Residency Education Committee
Winthrop University Hospital
Mineola, NY, member |
| 2001 to 2004 | University of Pittsburgh Senate Committee on Admissions and
Student Aid, elected member |
| 2001 to 2004 | Institutional Data Safety Monitoring Board Member
University of Pittsburgh Medical Center |
| 2001 to 2004 | University of Pittsburgh Senate Committee on Admissions and
Student Aid - elected member |

2002	UPP Business Leadership Course, UPP
2002 to 2004	University of Pittsburgh School of Medicine Admissions Committee
2004 to present	Chairman, Radiation Safety Committee – UPMC Shadyside
2004 to present	Scientific Reviewer 2004-2005 Research Grant Review cycle – Susan G. Komen Breast Cancer Foundation, Treatment Study Section
2006 to present	NCI, Cancer Disparities Research Partnership Experts Committee
2009 to present	University of Pittsburgh School of Medicine Ambassador Program (UPMC Radiation Oncology)

Board Member:

2004 to present	UPMC/HVHS Cancer Center, Director UPMC/Jameson Cancer Center, Chair UPMC/Jefferson Cancer Associates, Secretary Fayette Oncology Associates, Director Mountain View Cancer Associates, Director St. Clair/ UPMC Cancer Center PET/CT, Secretary UPMC/Conemaugh Cancer Center, Chairman
2006 to present	UPMC and the Washington Hospital Cancer Center, President
2011 to present	UPMC/St. Clair Hospital Cancer Center, Member
2013 to present	Butler Cancer Associates, Chairman

Editorial Boards

2003 to present.	Scientific Reviewer for <i>Laryngoscope</i>
2003 to present.	Scientific Reviewer for <i>American Journal of Clinical Oncology</i>
2005 to present.	Scientific Reviewer for <i>World Journal of Surgical Oncology</i>
2005 to present.	Scientific Reviewer for <i>Cancer</i>
2003 to present	Scientific Reviewer for <i>Gynecologic Oncology</i>
2009 to present	Editorial Board – <i>Radiation Medicine Rounds</i>
2009 to present	Editor – <i>Technology in Cancer Research and Treatment</i>
2010 to present	Editorial Board – <i>Radiation Oncology Rounds</i>
2010 to present	Editorial Board – <i>Radiation Medicine Rounds: Head and Neck Cancer</i> (Demos Series in Oncology)
2013 to 2014	Editor – <i>The Pennsylvania Radiological Society Bulletin</i>

- 2013 to present Associate Editorial Board – Radiation Oncology section of *Frontiers in Oncology*
- 2014 to present Editorial Advisory Board – *Journal of Clinical Pathways*

International Appointments:

- 2007 to 2010
2012 Radiological Society of North America (RSNA) Scientific Program Committee, Radiation Oncology and Radiobiology Subcommittee
- October 2007 to
September 2008 American Society for Therapeutic Radiology and Oncology (ASTRO) Committees
 - Member of the Health Services Research Committee of the Research Council
 - Health Policy Council
 - Member of the Regulatory Committee of the Health Policy Council
 - Member of the Committee for Health Access and Training (CHAT) of the Research Council
 - Liaison, Committee for Health Access and Training of the Research Council
- 2008 to 2013 Radiation Therapy Oncology Group (RTOG) Committees
 - Vice Chairman, Membership Committee
 - Co-Chairman, Special Populations Subcommittee

National/International Committees:

- 1996 to 2000 Member, Graduate Medical Education Committee
- 1998 to 2001 Vice-President, Fairfield University Alumni Association Philadelphia, PA
- 2003 to present Member, American Society of Therapeutic Radiology and Oncology (ASTRO), Disparities Committee
- 2003 to present Member, NCI/CDRP Cancer Disparities Steering Committee
- 2004 to 2011 National Chair, Cancer Disparities Research Partnership Program
- 2005 to present Radiation Therapy Oncology Group (RTOG) Cooperative Groups
- 2005 to 2013 Member, Radiation Therapy Oncology Group (RTOG) Research Committee
- 2005 to present Member, American Society of Therapeutic Radiology and Oncology (ASTRO) Workforce Diversity and Disparity Outcomes Committee
- 2006 to 2007 Corporate Relations Committee, American Radium Society (ARS)
- 2006 to 2009 Secretary-Treasurer, Simon Kramer Society

2007 to present	Member, American Society of Therapeutic Radiology and Oncology (ASTRO) Regulatory Committee
2007 to present	Delegate – Allegheny County Medical Society
2007 to 2014	Member, American Society of Therapeutic Radiology and Oncology (ASTRO) Regulatory Subcommittee of the Health Policy Committee
2007 to present	Member, American Society of Therapeutic Radiology and Oncology (ASTRO) Code Development and Valuation of the Health Policy Committee (CDVC)
2008 to present	Member, Radiation Therapy Oncology Group (RTOG) Health Services Research and Outcomes (HSRO) Steering Committee
2009 to present	Vice Chair of the Radiation Committee, American College of Surgical Oncology Group (ACOSOG)
2009 to present	Member, American College of Radiation Oncology (ACRO) Economics Committee
2009 to present	Member, American College of Radiation Oncology (ACRO) Scientific Program Committee
2009 to present	Board of Directors, Pennsylvania Radiological Society
2009 to 2012	Member, Radiological Society of North America (RSNA) Scientific Program Radiation Oncology and Radiobiology Subcommittee
2010 to present	Member at Large, American College of Surgeons Oncology Group (ACOSOG) Executive Committee
2010 to 2012	Vice Chair, American Society of Therapeutic Radiology and Oncology (ASTRO) Healthcare Access and Training Subcommittee (HATS)
2010 to present	Member, American Society of Therapeutic Radiology and Oncology (ASTRO) CPT/RUC Committee
2010 to 2013	Member, Radiation Therapy Oncology Group (RTOG) Research Strategy Committee
2011 to 2012	Member, American Society of Therapeutic Radiology and Oncology (ASTRO) Health Services Research Committee of the Research Council
2011 to present	Member, American College of Radiation Oncology (ACRO) Accreditation Committee

2011 to present	Team Leader, American College of Radiation Oncology (ACRO) Head & Neck Accreditation Committee
October 2011 to October 2012	Vice-Chair, American Society of Therapeutic Radiology and Oncology (ASTRO) Healthcare Access & Training Subcommittee of the Education Committee (HATS)
2011 to present	Member, Radiological Society of North America (RSNA) Scientific Program Committee
2011 to present	Member, American Association of Physicists in Medicine (AAPM), Working Group on Biological Effects of Hypofractionated Radiotherapy/SBRT Outcomes (WGSBRT)
November 28, 2011	2011 Presiding Officer, Radiological Society of North America (RSNA) Scientific Assembly – Radiation Oncology and Radiobiology (Biology)
2012 to 2014	Chair, American Society of Therapeutic Radiology and Oncology (ASTRO) Healthcare Access and Training Subcommittee (HATS)
2012 to present	Member, American College of Radiation Oncology (ACRO) Mentoring Program (Develop next generation of Radiation Oncologists)
2012 to present	Member, Pennsylvania Radiological Society (PRS) Committee on Radiation Therapy
2012 to present	Member, AERO America's Regional Director Committee (Accuray)
January 1 – December 31, 2012	American Association of Physicists in Medicine - Member (WGSBRT) Working Group on Biological Effects of Hypofractionated Radiotherapy/SBRT
2013 to present	Member, NRG Membership Committee
2013 to present	Member, NRG Executive Committee
2013 to present	Member, NRG Research Committee
2013 to present	Member, American Association of Physicists in Medicine (AAPM), TCP Committee (UN01)
2013 to present	Member, American Association of Physicists in Medicine (AAPM), NTCP Committee (UN02)

- 2013 to present Member, American Association of Physicists in Medicine (AAPM),
Rationale for Rx Committee (UN04)

- 2013 to present Member, American Association of Physicists in Medicine (AAPM), TCP
Cranial Committee (UN06)

- 2013 to present Member, American Association of Physicists in Medicine (AAPM), TCP
Head and Neck Committee (UN07)

- 2013 to present Member, American Association of Physicists in Medicine (AAPM), NTCP
Head and Neck Committee (UN13)

- 2014 to present Immediate Past Chair, American Society of Therapeutic Radiology and
Oncology (ASTRO) Healthcare Access and Training Subcommittee (HATS)

- 2014 to present Councilor, Pennsylvania Radiological Society

- 2016 to present President, AERO (Accuray Exchange in Radiation Oncology)

Community Activities

- Staff Physician, Valley Forge Medical Center January 1998 to July 2000
Norristown, PA

- Coordinating Physician, Valley Forge Medical Center June 1998-2000
Norristown, PA

- Locum Tenens, Department of Radiation Oncology May 1999 to July 2000
Grandview Hospital, Sellersville, PA.

- African American Health Fair September 25, 2004
New Castle, PA

- Amish Men Prostate Screening February 21, 2005
New Castle, PA

- Amish Men Prostate Screening February 27, 2006
Jameson Health Place, Jameson, PA

- African American Men Prostate Screening September 20, 2006
St. Pauls Church

- Amish Men Prostate Screening March 19, 2007
New Wilmington Health Place

ADDENDUM

Vice Chairman for Clinical Affairs, Department of Radiation Oncology
Director of Radiation Services, University of Pittsburgh Medical Centers (UPMC) CancerCenter

Oversight and Supervision of Clinical Radiation Oncology in University of Pittsburgh Health System

Mary Hillman Jennings Radiation Oncology Center, University of Pittsburgh Cancer Institute

- Four Linear Accelerators, three IMRT capable, two with Electronic Portal Imaging and Respiratory Gating
- CyberKnife® Frameless Body Stereotactic Radiosurgery
- Brachytherapy: Endovascular, HDR, prostate, minimally invasive thoracic and abdominal programs
- Treatment planning: PET-CT and CT-based
- GammaKnife® Center
- Disease-specific multidisciplinary clinics
- TrueBeam®

Oversight of Twenty-Four UPMC CancerCenter Facilities (domestically and internationally)

- **Twenty-two IMRT programs with cutting edge technology** and development of a database infrastructure to both retrospectively and prospectively with an ongoing review of IMRT files at all of our cancer centers. The program has also focused on Quality of Life outcomes for many of our cancer patients, including those who have received IMRT.
- **Sixteen brachytherapy programs** which are located at Magee-Womens Hospital, UPMC Shadyside Hospital, UPMC Mercy, UPMC St. Margaret, UPMC Horizon, Jameson Radiation Oncology, UPMC Passavant, John P. Murtha Regional Cancer Center, Arnold Palmer Cancer Center, UPMC Altoona, UPMC East, UPMC McKeesport, St. Clair Hospital, Heritage Valley – Beaver, the Regional Cancer Center (Erie) and UPMC Whitfield Cancer Centre delivering high-end clinical programs to patients in their communities
- **Integrated delivery system** (hub and spoke design) allowing for seamless operations and delivery of standardized, evidence-based disease management.
- **Development of Clinical Pathways for uniform standard of care, system-wide.** We have established and utilize Clinical Pathways to aid in the coordination and delivery of quality care to all persons throughout our system. Participated in the development of the first clinical pathway in 2001 and I have led this effort since 2002. These clinical pathways are used as a guide by the physician faculty in the Department of Radiation Oncology for decision-making and treatment implementation. The goal of the Clinical Pathways program is ensuring that the highest quality of cancer care delivered throughout all UPMC Cancer Centers. This initiative has allowed us to harness the power of numbers and has allowed us to amass a wealth of experience and has raise the quality of care we delivery to our patients. The clinical pathways adopted and in effect today include lung, breast, CNS, brain metastases, cervical, endometrial, vulvar, prostate cancers and the use of PET-CT

for staging, evaluation of response and follow-up. We have also developed a clinical pathway for the palliative treatment of patients with bone metastases that minimizes the time in treatment while emphasizing the quality of life aspects so important in these cases.

Central Physics and Treatment Planning

- IMRT Planning
- Quality Assurance
- Patient and Radiation Safety

Oversight and Supervision of Teaching, Clinical Research & Professional Development Programs

- **Associate Residency Program Director:** Day to day management of the Radiation Oncology Residency Program (from July 2001-July 2004) which completed the first full accreditation review and was granted 5-year accreditation without citation, January 2010. My involvement in our training program remains solid with teaching, mentoring responsibilities.
- **Residency Education**
- **Weekly electronic grand rounds:** CME accredited program for professional education on the use of advanced radiation therapy planning techniques and evaluation. Participants include residents, post-docs, fellows, staff physicians, nurses, physicists and research scientists.
- Quality Assurance, quality improvement, accreditation, compliance
- New program development

Last updated: 04.06.2016