Gisele C. Pereira, M.S.
Department of Radiation Oncology
University of Hospitals Case Medical Center
11100 Euclid Avenue
Cleveland, OH 44106

EDUCATION

2011 to present	***Doctoral Candidate in Nuclear Engineering*** University of Missouri – Columbia
2008 to 2009	***M.S. in Nuclear Engineering*** University of Missouri – Columbia Thesis: Effect of Computed Tomography Filters in Atlas Based Segmentation
02/1994-01/1996	Residency Medical Physics in Radiation Therapy Hospital do Câncer of São Paulo Antonio Prudente Foundation, São Paulo, Brazil
01/1989-12/1993	***B.S. in Physics*** University of São Paulo- São Paulo, Brazil Thesis: Characterization of Cobalt source with Thermo-Luminescent Dosimeter

Board Certification

1997-present	***Brazilian National Atomic Energy Committee*** Medical Physicist in Radiotherapy
2013	***American Board of Radiology*** Therapeutic Medical Physics – Part 1 and 2 passed To take part 3 in June, 2013

EXPERIENCE

August 2012-present	***Medical Physicist*** University Hospitals - Case Medical Center Department of Radiation Oncology Cleveland, OH 44106
08/2008 to present	***Medical Physicist*** Department of Radiation Oncology University Hospitals - Case Medical Center Cleveland, OH, 44106
02/2008 to 12/2011	***Medical Physicist*** Department of Radiation Oncology Washington University School of Medicine St. Louis, MO – USA
06/2006 to 01/2008	***Clinical Chief of Medical Physics*** Instituto do Radium de Campinas Campinas, Brazil
01/2005 to 12/2008	***Medical Physics Consultant*** Varian Medical Systems - Brazil

Implementation of IMRT and other advanced technology for South America (Brazil, Argentina, and Chile)

01/2005 to 05/2006 ***Clinical Chief of Medical Physics***
Department of Radiation Oncology
Hospital do Câncer of São Paulo
São Paulo, Brazil

02/2004 to 12/2004 ***Medical Physicist***
Department of Radiation Oncology
Washington University School of Medicine
St. Louis, MO - USA

Teaching Responsibilities

2012 – present Instructor, Medical Physics for Radiation Oncology Residents". A yearly course for medical and physics residents.
University Hospitals - Case Western Reserve University School of Medicine.
Lectures: 1) Quality of X-Ray Beams 8-20-12
2) Linear Accelerator 8-27-12

2008 – 2011 Instructor, "Medical Physics for Radiation Oncology". A yearly course for radiation oncology, and medical physics residents.
Washington University School of Medicine, St. Louis, Missouri, USA
Taught 4 classes per year on CT planning and monitor unit calculation.

2006 – 2007 Instructor, "Medical Physics for Radiation Oncology". A yearly course for radiation oncology residents, medical physics residents, radiation therapy students, and dosimetry students.
Hospital do Cancer, São Paulo, Brazil
One of three course professors, teaching approximately 6 lectures per year.

1996 – 2003 Instructor, "Medical Physics for Radiation Oncology". A yearly course for radiation oncology residents, medical physics residents, radiation therapy students, and dosimetry students.
Hospital do Cancer, São Paulo, Brazil
One of three course professors, teaching approximately 6 lectures per year.

HONORS AND AWARDS

1992 **Varian Award** for best poster "Determination and Execution of the Quality Control of Dynamic Wedges" at the National Forum of Technology and Science in Health, in Caxambu, Brazil.

2002 **Siemens Oncology Award** for best oral presentation "Anemia: a practical prognostication of success of radiotherapy in locally advanced cervix cancer" at the CRILA Congress, Lima, Peru.

2003 **Teacher of the Year**
Department of Radiation Oncology
Hospital do Câncer of São Paulo - São Paulo, Brazil

Grants

2002 – 2005 "Improvement of Radiation Therapy in Brazil" – BRA06018
Technical Co-operation Project with International Atomic Energy Agency (IAEA)
Principal Investigator – U$500,000.00

Publications:

1. Almeida CE, Pereira AJ, Marechal M, **Pereira GC**, Cruz JC. Comparison between calibration procedures for 192 Ir HDR sources in Brazil. Phys Med Biol 44:N31-8, 1999.

2. Singh AK, Tierney RM, Low DA, Parikh PJ, Myerson RJ, Deasy JO, Wu CS, **Pereira GC**, Wahab SH, Mutic S, Grigsby PW, Hope AJ. A prospective study of differences in duodenum compared to remaining small bowel motion between radiation treatments: Implications for radiation dose escalation in carcinoma of pancreas. Radiation Oncology 1:33, 2006

3. Apte AP, Al-Lozi R, **Pereira GC**, Johnson M, Mansur D, and El Naqa I. A graphical tool and methods for assessing margin definition from daily image deformations. J Radiat Oncol Inform 1:9-19, 2010

4. Johnson ME, **Pereira GC**, El Naqa IM, Goddu SM, Al-Lozi R, Apte A, and Mansur DB. Determination of planning target volume for whole stomach irradiation using daily megavoltage CT images. Prac Radiat Oncol 2:e85-88, 2012

5. Book Chapters
6. Salvajoli JV, **Pereira GC**. "Lymphomas." In: Novaes PERS, Salvajoli JV. Guidelines in Radiation Oncology. São Paulo, Hospital do Câncer AC. Camargo, 1999, p.91-116

7. Ferrigno R, **Pereira GC**. "Soft tissue sarcomas." In: Novaes PERS, Salvajoli JV. Guidelines in Radiation Oncology. São Paulo, Hospital do Câncer AC. Camargo, 1999, p.135-38

8. Maia MAC, **Pereira GC**. "Breast Cancer." In: Novaes PERS, Salvajoli JV Guidelines in Radiation Oncology. São Paulo, Hospital do Câncer AC. Camargo, 1999, p.127-34

9. Salvajoli JV, **Pereira GC**. "Urologic neoplasm." In: Novaes PERS, Salvajoli JV. . Guidelines in Radiation Oncology. São Paulo, Hospital do Câncer AC. Camargo 1999, p.163-95

Abstracts

1. **Pereira G**, Goddu S, Klein E, Mutic S. IMRT delivery accuracy as a function of segmentation intensity levels and dose rate. American Association of Physics in Medicine Annual Meeting of 2004

2. Goddu S, **Pereira G**, Low D, Drzymala R, Klein E. IMRT quality assurance using thebes II linear ion chamber array. American Association of Physics in Medicine Annual Meeting of 2004

3. Goddu S, Klein E, **Pereira G**, Michalski J, Purdy. Acceptance testing and commissioning of CMS ultrasound based prostate localization system (I-Beam). American Association of Physics in Medicine Annual Meeting of 2004.

4. Surucu M, Wooten O, **Pereira G**, Thorstad W, Klein E. Modulated Electron Radiotherapy for Head and Neck Cancer. M. American Society for Radiation Oncology Annual Meeting of 2009

5. Surucu M, Wooten O, **Pereira G**, Mansur D, Khullar D, Klein E. CompartmentalizedModulated Electron and Photon Planning. American Association of Physics in Medicine Annual Meeting of 2009

6. Johnson M, **Pereira G**, El Naqa I, S. Goddu M, Al-Lozi R, Apte A, and Mansur D. Assessment of PTV for Whole Stomach Irradiation Using Daily Megavoltage CT. American Society for Radiation Oncology Annual Meeting of 2010

7. Apte A, Al-Lozi R, **Pereira G**, Matthew J, Mansur D, Deasy J, ElNaqa I. A Graphical Tool for Assessing Margin Definition From Daily Deformations. American Association of Physics in Medicine Annual Meeting of 2010.

8. Kashani R, Santanam L, Moore K, **Pereira G**, Yaddanapudi1 S, Rangaraj D, Mutic S, Klein E. Electron Beam Dosimetric Characteristics for the Varian TrueBeam. American Association of Physics in Medicine Annual Meeting of 2011.

9. Klaers J, Santanam L, **Pereira G**, Klein E, Goddu S. Commissioning and Validation of a Next Generation IMRT QA Method to Provide 3D Delivered-Dose Verification. American Association of Physics in Medicine Annual Meeting of 2011

10. Rodriguez V, Zoberi I, Taylor M, Klein E, Richardson S, **Pereira G**, Rangaraj D, Goddu S. In Vivo Quality Assurance of Breast Cancer IMRT Treatments Using TomoTherapy's Exit Detector Data. American Association of Physics in Medicine Annual Meeting of 2011.

.