

CURRICULUM VITAE FOR ACADEMIC PROMOTION
THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE

Giuseppe Sanguineti, M.D.

DEMOGRAPHIC INFORMATION

Current Appointments

University: Associate Professor
The Johns Hopkins University School of Medicine
Department of Radiation Oncology and Molecular Radiation
Sciences
Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Hospital: Active Staff, Oncology
The Johns Hopkins Hospital

Personal Data

Office: The Johns Hopkins Oncology Center
The Harry and Jeanette Weinberg Building
Suite 1440
401 N. Broadway
Baltimore, Maryland 21231-2410
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Education and Training

1977-82 B.S., Liceo Scientifico "Istituto Arecco", Genoa, Italy

1982-88 M.D., University of Genoa Medical School, Genoa, Italy

1988-89 Internship, University of Genoa, Italy

1989-1993 Residency #1, Radiation Oncology, University of Genoa, Italy

1994-95 Fellowship, Department of Radiation Therapy, M.D. Anderson
Cancer Center, Houston, Texas, U.S.A.

1993-94 Residency #2, Clinical Oncology, University of Genoa, Italy
1995-97

Professional Experience

1990-96	Assistant Professor, Department of Radiation Oncology, National Institute for Cancer Research, Genoa, Italy
1997-02	Associate Professor, Department of Radiation Oncology, National Institute for Cancer Research, Genoa, Italy
1994-98	Consulting Physician Department of Radiology, Hospital of Sanremo (IM), Italy
2002-07	Associate Professor, Department of Radiation Oncology, University of Texas Medical Branch, Galveston, TX
2007-	Associate Professor of Oncology, The Johns Hopkins University School of Medicine

RESEARCH ACTIVITIES

Publications

1. Guenzi M., **Sanguineti G.**, Botto F., Ghiso G., Andreucci L., Vitale V.: A proposal for the treatment technique for the breast and regional lymphnodes in patients with conservatively operated neoplasms. *Radiol Med* 4 (suppl I):77-80,1990
2. Guenzi M., Scarpati D., Corvo' R., **Sanguineti G.**, Gardin G., Conte P.F., Vitale V.: The role of radiotherapy in the multimodal treatment of locally advanced breast carcinoma. *Radiol Med* 79: 534-9,1990
3. Corvo' R., Scarpati D., **Sanguineti G.**, Vitale V.: The predictability of the radiotherapy response in epidermoid tumors of the head and neck. A review of the literature and mathematical models for choosing the fractionated doses. *Radiol. Med.* 79:520-9,1990
4. Margarino G., Scala M., Schenone G., Mereu P., Corvo' R., **Sanguineti G.**, Giaretti W., Geido E., Orecchia R., Meszaros P., Badellino F.: Cell kinetic analysis and treatment planning in epidermoid tumors of the head and neck. *Acta Otorhinolaryngol Ital* 12:421-33, 1992
5. Merlano M., Vitale V., Rosso R., Benasso M., Corvo' R., Cavallari M., **Sanguineti G.**, Bacigalupo A., Badellino F., Margarino G., Brema F., Pastorino G., Marziano C., Grimaldi A., Scasso F., Sperati G., Pallestrini E., Garaventa G., Accomando E., Cordone C., Comella C., Daponte A., Rubagotti A., Bruzzi P., Santi L.: Treatment of advanced squamous cell carcinoma of the head and neck with alternating chemotherapy and radiotherapy. *New Engl J Med* 327: 1115-1121,1992
6. Corvo' R., Giaretti W., **Sanguineti G.**, Geido E., Orecchia R., Barra S., Margarino G., Bacigalupo A., Vitale V.: Potential doubling time in head and neck tumors treated by primary radiotherapy: preliminary evidence for a prognostic significance in local control. *Int J Radiat Biol Phys* 27(5):1165-1172,1993
7. Corvo' R., Giaretti W., **Sanguineti G.**, Geido E., Bacigalupo A., Franzone P., Mereu P., Garaventa G., Barbieri M., Vitale V.: The prognostic role of the parameters of cellular kinetics in head and neck tumors treated solely by radiotherapy. *Radiol Med* 86:135-42,1993

Bibliography

8. Corvo' R., **Sanguineti G.**, Scala M., Garaventa G., Santelli A., Barbieri M., Vitale V.: Primary site as predictive factor of local control in advanced head and neck tumors treated by concomitant boost accelerated radiotherapy. *Tumori* 80:135-138, 1994
9. **Sanguineti G.**, Corvo' R., Frascio F., Vitale V.: Accelerated radiotherapy according to the concomitant boost technique in patients affected by head and neck squamous cell carcinoma. *Radiol Med* 88: 650-656, 1994
10. Benasso M., Corvo' R., Numico G., Cavallari M., Blengio F., **Sanguineti G.**, Rosso M., Merlano M. Concomitant administration of two standard regimens of chemotherapy and radiotherapy in advanced squamous carcinoma of the head and neck: a feasibility study. *Anticancer Research* 15:2651-2654, 1995
11. Corvo' R., Giaretti W., **Sanguineti G.**, Geido E., Orecchia R., Guenzi M., Margarino G., Bacigalupo A., Garaventa G., Barbieri M., Vitale V.: In vivo cell kinetics in head and neck squamous cell carcinomas predicts local control and helps guide radiotherapy regimen. *J Clin Oncol* 13: 1843-1850, 1995
12. Corvo' R., Giaretti W., **Sanguineti G.** Cell kinetics by in vivo bromodeoxyuridine and iodoxyuridine. *Radiol Med.* 90 (suppl): 239-243, 1995
13. R. Corvo', **G. Sanguineti**, V. Vitale, A. Bacigalupo, G. Margarino, M. Benasso, G.M. Numico, W. Giaretti: In vivo cell kinetics in elderly patients affected by squamous cell carcinoma of the head and neck. *Rays*, 22 suppl. n.1, 69-72, 1997
14. **G. Sanguineti**, F. B. Geara, A.S. Garden, S.L. Tucker, K.K. Ang, W.H. Morrison, L.J. Peters: Carcinoma of the nasopharynx treated by radiotherapy alone: determinants of local and regional control. *Int. J. Radiation Oncology Biol. Phys.* Vol. 37, N. 5: 985-996, 1997
15. F.B. Geara, B.S. Glisson, **G.Sanguineti**, S.L. Tucker, A.S. Garden, K.K. Ang, S.M. Lippman, G.L. Clayman, H. Goepfert, L.J. Peters, W.K. Hong: Induction chemotherapy followed by radiotherapy versus radiotherapy alone in patients with advanced nasopharyngeal carcinoma. Results of a matched cohort study. *Cancer* 79 (7):1279-1286, 1997
16. F.B. Geara, **G. Sanguineti**, S.L. Tucker, A.S.Garden,K.K. Ang, W.H. Morrison, L. J. Peters: Carcinoma of the nasopharynx treated by radiotherapy alone: determinants of distant metastasis and survival. *Radiotherapy & Oncology* 43:53-61, 1997
17. **Sanguineti G.**, Orsatti M, Sormani MP, Canobbio L, Curotto A, Tognoni P, Giudici S, Franzone P, Boccardo F, Vitale V. Predictive factors for outcome in invasive bladder cancer treated with alternating cheoradiotherapy. *Cancer J Sci Am* 3:213-223, 1997
18. **Sanguineti G.**, Corvò R, Vitale V, Lionetto R, Foppiano F. Post-operative radiotherapy for head and neck squamous cell carcinomas: feasibility of a biphasic accelerated treatment schedule. *Int J Rad Oncol Biol Phys* 36:1147-1153, 1996
19. Benasso M, Bonelli L, Numico G, Corvo R, **Sanguineti G**, Rosso R, Vitale V, Merlano M. Treatment with cisplatin and fluorouracil alternating with radiation favourably affects prognosis of inoperable squamous cell carcinoma of the head and neck: results of a multivariate analysis on 273 patients. *Annals of Oncology* 8: 773-779, 1997
20. Corvò R, Giaretti W, **Sanguineti G**, Geido E, Bacigalupo A, Orecchia R, Benasso M, Numico GM, Merlano M, Margarino G, Vitale V. Chemotherapy as an alternative to radiotherapy alone in fast proliferating head and neck squamous cell carcinomas. *Clin Cancer Res* 3:1993-1997,1997
21. Corvò R, **Sanguineti G**, Benasso M. Biological and clinical implications for multimodality treatment in patients affected by squamous cell carcinoma of the head and neck. *Tumori* 84: 217-222, 1998

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22. Corvo R, Giaretti W, Geido E, **Sanguineti G**, Orecchia R, Scala M, Garaventa G, Mora E, Vitale V. Cell kinetics and tumor regression during radiotherapy in head and neck squamous cell carcinomas. *Int J Cancer* 68:151-155, 1996
23. **G Sanguineti**, R Corvo, M Benasso, G Margarino, MP Sormani, F Roncallo, P Mereu, A Bacigalupo, V Vitale. Management of the neck after alternating chemoradiotherapy for advanced head and neck cancer. *Head & Neck* 1999 May;21(3):223-8
24. **G Sanguineti**, R Corvò, MP Sormani, M Benasso, G Numico, A Bacigalupo, R Rosso, V Vitale. Chemotherapy Alternated with Radiotherapy in the Treatment of Advanced Head and Neck Carcinoma: Predictive Factors of Outcome. *Int J Radiat Oncol Biol Phys* 1999 Apr 1;44(1):139-47.
25. Spriano G, Antognoni P, **Sanguineti G**, Sormani M, Richetti A, Ameli F, Piantanida R, Luraghi R, Magli A, Corvo R, Tordiglione M, Vitale V. Laryngeal long-term morbidity after supraglottic laryngectomy and postoperative radiation therapy. *Am J Otolaryngol* 2000 Jan-Feb;21(1):14-21
26. Corvo R, Paoli G, Giaretti W, **Sanguineti G**, Geido E, Benasso M, Margarino G, Vitale V. Evidence of cell kinetics as predictive factor of response to radiotherapy alone or chemoradiotherapy in patients with advanced head and neck cancer. *Int J Radiat Oncol Biol Phys* 47(1): 47-63, 2000
27. Corvo R, Margarino G, **Sanguineti G**, Geido E, Scala M, Mereu P, Cavallari M, Bonanno S, Garaventa G, Barbieri M, Giaretti W. Cell kinetic analysis in patients affected by squamous cell carcinoma of the head and neck treated with primary surgery and adjuvant radiotherapy. *Tumori* 86: 53-58, 2000
28. M Benasso, **Sanguineti G**, I Ricci, M D'Amico, GM Numico, R Corvò, V Vitale, R Rosso. Induction chemotherapy followed by alternating chemotherapy in advanced nasopharyngeal carcinoma. *Br J Cancer* 83(11): 1437-1442, 2000
29. **Sanguineti G**, Del Mastro L, Guenzi M, Ricci P, Cavallari M, Canavese G, Venturini M. Impact of chemotherapy dose-density on radiotherapy dose-intensity after breast conserving surgery. *Ann Oncol.* 2001 Mar;12(3):373-8.
30. **Sanguineti G**, M Benasso, R Corvò, M Marcenaro, I Ricci, M D'Amico, F Mora, V Vitale. Lack of a time factor in alternating chemoradiotherapy for advanced head and neck squamous cell carcinoma. *Tumori* 87 (1): 17-21, 2001
31. **Sanguineti G**, Foppiano F, Marcenaro M, Roncallo F, Corvò R, Ameli F, Vitale V. On the Delineation of the Gross Tumor Volume (GTV) and Clinical Target Volume (CTV) for Head and Neck Squamous Cell Carcinomas. *Tumori* 87(3): 254-259, 2001
32. Benasso M, Merlano M, **Sanguineti G**, Corvò R, Numico GM, Ricci I, Pallestrini E, Santelli A, Vitale V, Marchetti G, Rosso R. Gemcitabine, Cisplatin and radiation in advanced unresectable squamous cell carcinoma of the head and neck: a feasibility study. *Am J Clin Oncol* 24:618-622, 2001
33. Fiorino C, Valvassori V, **Sanguineti G**, Bianchi C, Cattaneo GM, Piazzola A, Cozzarini C. Impact of inter-institute variability in rectum contouring on 3D treatment planning dose/volume information. *Radiotherapy and Oncology* 63(3):249-55, 2002
34. Corvò R, Benasso M, **Sanguineti G**, Ricci I, Merlano M, Rosso R, Vitale V. Alternating chemoradiotherapy versus partly accelerated radiotherapy: results from a phase III study. *Cancer* 2001;92:2856-67
35. Corvò R, Antognoni P, **Sanguineti G**. Biological predictors of response to radiotherapy in head and neck cancer: recent advances and emerging perspectives. *Tumori.* 2001 Nov-Dec;87(6):355-63

36. **Sanguineti G**, Agostinelli S, Foppiano F, Franzone P, Garelli S, Marcenaro M, Orsatti M, Vitale V. Adjuvant androgen deprivation impacts late rectal toxicity after conformal radiotherapy of prostate carcinoma. *Br J Cancer* 2002 ; 86(12):1843-7.
37. **Sanguineti G**, Sormani MP, Benasso M, Corvo' R, Foppiano F, Ricci I, Marcenaro M, Rosso R, Vitale V. Late local treatment morbidity after accelerated radiotherapy alone or alternating chemoradiotherapy for advanced head and neck carcinoma. *Tumori*. 2002; 88(4):313-20
38. Fiorino C., Cozzarini C, Vavassori V, **Sanguineti G**, Bianchi C., Cattaneo G.M., Foppiano F, Magli A., Piazzolla A. Significant correlation between DVH and late rectal bleeding after radiotherapy for prostate cancer: analysis of a large group of patients pooled from three institutions. *Radiotherapy and Oncology* 2002, 64(1):1;
39. Busto G, Corvò R, Ricci I, **Sanguineti G**, Benasso M. New chemoradiotherapy combinations in head and neck cancer. *Expert Rev Anticancer Ther* 2001; 1(1): 111-115
40. **Sanguineti G**, Franzone P, Culp L, Marcenaro M, Barra S, Colman M, Vitale V. Radiotherapy after prostatectomy. *Tumori* 2002;88(6):445-52
41. **G. Sanguineti**, M. Marcenaro, P. Franzone, F. Foppiano, V Vitale. Neoadjuvant Androgen Deprivation And Prostate Gland Shrinkage During Conformal Radiotherapy. *Radiotherapy and Oncology* 2003;66(2):151-7
42. **Sanguineti G**, Marcenaro M, Franzone P, Tognoni P, Barra S, Vitale V. Is there a `curative` role of radiotherapy for clinically localized hormone refractory prostate cancer? *Am J Clin Oncol* 2004 Jun;27(3):264-8.
43. **G Sanguineti**, P Franzone, M Marcenaro, F Foppiano, V Vitale. Sucralfate versus Mesalazine versus Hydrocortisone in the Prevention of Acute Radiation Proctitis during Conformal Radiotherapy for Prostate Carcinoma: a Randomized Study, *Strahlenther Onkol* 2003; 179(7):464-70
44. C Fiorino, **G Sanguineti**, C Cozzarini, G Fellin, F Foppiano, L Menegotti, A Piazzolla, V Vavassori, R Valdagni. Rectal dose-volume constraints in high-dose radiotherapy of localized prostate cancer. *Int J Radiat Oncol Biol Phys* 2003; 57(4): 953-62
45. Benasso M, Corvo R, Ponzanelli A, **Sanguineti G**, Ricci I, Pallestrini E, Santelli A, Vitale V, Rosso R. Alternating gemcitabine and cisplatin with gemcitabine and radiation in stage IV squamous cell carcinoma of the head and neck. *Ann Oncol*. 2004 Apr;15(4):646-52.
46. **Sanguineti G**, Culp LR, Endres EJ, Bayouth JE. Are neck nodal volumes drawn on CT slices covered by standard three-field technique? *Int J Radiat Oncol Biol Phys*. 2004;59(3):725-42.
47. Bignardi M, Antognoni P, **Sanguineti G**, Magli A, Molteni M, Merlotti A, Richetti A, Tordiglione M, Conte L, Magno L. Hyperfractionated radiotherapy for T2N0 glottic carcinoma: a retrospective analysis at 10 years follow-up in a series of 60 consecutive patients *Tumori*. 2004;90(3):317-23
48. T. Rancati, C. Fiorino, G. Gagliardi, G.M. Cattaneo, **G. Sanguineti**, V. Casanova Borca, C. Cozzarini, G. Fellin, F. Foppiano, G. Girelli, L. Menegotti, A. Piazzolla, V. Vavassori, R. Valdagni. Fitting late rectal bleeding data using different NTCP models: results from an Italian multicentric study (AIROPROS0101). *Radiotherapy & Oncology* 2004 Oct;73(1):21-32

49. **G Sanguineti**, P Castellone, F Foppiano, P Franzone, M Marcenaro, P Tognoni, A Bolognesi, G Luca Ceresoli, C Fiorino. Anatomical Variations Due to Radical Prostatectomy: Impact on Target Volume Definition and Dose-Volume Parameters of Rectum and Bladder. *Strahlentherapie und Onkologie* 2004;180(9):563-72
50. **G Sanguineti**, A Richetti, M Bignardi, R Corvo', P Gabriele, MP Sormani, P Antognoni. Accelerated Versus Conventional Fractionated Postoperative Radiotherapy for Advanced Head and Neck Cancer: Results of a Multicenter Phase III Study. *Int J Radiat Oncol Biol Phys*, 2005; 61(3):762-771
51. Fiorino C, Foppiano F, Franzone P, Broggi S, Castellone P, Marcenaro M, Calandrino R, **Sanguineti G**. Rectal and bladder motion during conformal radiotherapy after radical prostatectomy. *Radiother Oncol*. 2005 Feb;74(2):187-95.
52. Cavey ML, Bayouth JE, Colman M, Endres EJ, **Sanguineti G**. IMRT to escalate the dose to the prostate while treating the pelvic nodes. *Strahlenther Onkol*. 2005 Jul;181(7):431-441
53. **Sanguineti G**; Cavey ML; Endres EJ; Brandon GG; Bayouth, JE. IS IMRT NEEDED TO SPARE THE RECTUM WHEN PELVIC LYMPH NODES ARE PART OF THE INITIAL TREATMENT VOLUME FOR PROSTATE CANCER? *Int J Radiat Oncol Biol Phys* 2006 Jan 1;64(1):151-60
54. **Sanguineti G**, Cavey ML, Endres EJ, Barra S, Parker BC, Marcenaro M, Colman M, Agostinelli S, Foppiano F, Vitale V. Does treatment of the pelvic nodes with IMRT increase late rectal toxicity over conformal prostate-only radiotherapy to 76 Gy? *Strahlenther Onkol*. 2006 Sep;182(9):543-549.
55. **Sanguineti G**, Endres E, Gunn B, Parker B. Is there a 'mucosa sparing' benefit of IMRT for HN cancer? *Int J Radiat Oncol Biol Phys*. 2006 Nov 1;66(3):931-8.
56. **Sanguineti G**, Adapala P, Endres E, Brack C, Fiorino C, Sormani MP, Parker B. Dosimetric predictors of laryngeal edema. *Int J Radiat Oncol Biol Phys* (press)
57. **Sanguineti G**, Endres EJ, Parker BC, Bicquart C, Little M, Chen G, Berilgen J. Acute toxicity of whole-pelvis IMRT in 87 patients with localized prostate cancer. *Acta Oncol*. 2008;47(2):301-10.
58. NG Rao, **G Sanguineti**, G Chaljub, SD Newlands, S Qiu. Neck levels that are negative on initial CT do not need to be dissected after definitive radiation therapy with or without chemotherapy. *Head Neck*. 2008 Aug;30(8):1090-8
59. **Sanguineti, G**; Gunn, GB; Endres, EJ; Chaljub, G; Cheruvu, P; Parker, B. Patterns of locoregional failure after exclusive IMRT for oropharyngeal carcinoma. *Int J Radiat Oncol Biol Phys*. 2008 Nov 1;72(3):737-46
60. **Sanguineti G**; Little M; Endres EJ; Sormani MP; Parker B. Comparison of 3 strategies to delineate the bowel for whole pelvis IMRT of prostate cancer. *Radiother Oncol*. 2008 Jul;88(1):95-101.

61. Bayouth JE, Pena J, Culp L, Brack C, **Sanguineti G** Feasibility of IMRT to cover pelvic nodes while escalating the dose to the prostate gland: dosimetric data on 35 consecutive patients. *Med Dosim.* 2008 Autumn;33(3):180-90.
62. **Sanguineti G**, Forastiere AA. Determining the survival benefit of adjuvant radiotherapy in patients with node-positive head and neck cancer. *Nat Clin Pract Oncol.* 2008 Dec;5(12):694-5.
63. **Sanguineti G**, Califano J, Stafford E, Fox J, Koch W, Tufano R, Sormani MP, Forastiere A. Defining the Risk of Involvement for Each Neck Nodal Level in Patients with Early T-Stage Node-Positive Oropharyngeal Carcinoma. *Int J Radiat Oncol Biol Phys* 2009 (in press)
64. **Sanguineti G**, Endres EJ, Sormani MP, Parker B. Dosimetric predictors of diarrhea during radiotherapy for prostate cancer. *Strahlenther Onkol.* 2009 (in press)
65. Eisbruch A, Harris J, Garden AS, Chao CKS, Straube PM, **Sanguineti G**, Jones, CU, Bosch WR, Ang, KK. Multi-institutional Trial of Accelerated Hypofractionated Intensity-Modulated Radiation Therapy for Early Stage Oropharyngeal Cancer (RTOG 00-22). *Int. J. Rad Onc Biol Phys* (in press).
66. Rancati T, Fiorino C, **Sanguineti G**, NTC[Mpde;omg pf Sibaciate/Late Laryngeal edema scored by Fiberoptic Examination. *Int J Radiat Oncol Biol Phys* 2009 (in press)
67. KM Pattani, J Califano, **Sanguineti G**. Level V involvement in patients with early T-stage, node-positive oropharyngeal carcinoma. *Laryncope* 2009 (in press)
68. Gunn GB, Endres EJ, Sormani MP, **Sanguineti G**. A Phase I-II Study of Accelerated Hyperfractionated IMRT Alone for Intermediate T-Stage Oropharyngeal Carcinoma. *Strahltherapie und Onkologie.* 2009 (press)
69. Wu B, Ricchetti F, **Sanguineti G**, Kazhdan M, Simari P, Chuang M, Taylor R, Jacques R, McNutt T. Patient geometry-driven information retrieval for IMRT treatment plan quality control. *Med Phys.* 2009 Dec;36(12):5497-505.
70. Broggi S, Fiorino C, Dell'Oca I, Dinapoli N, Paiusco M, Muraglia A, Maggiulli E, Ricchetti F, Valentini V, **Sanguineti G**, Cattaneo GM, Di Muzio N, Calandrino R. A two-variable linear model of parotid shrinkage during IMRT for head and neck cancer. *Radiother Oncol.* 2010 Feb;94(2):206-12.
71. **Sanguineti G**, Gunn GB, Parker BC, Endres EJ, Zeng J, Fiorino C. Weekly Dose-Volume Parameters of Mucosa and Constrictor Muscles Predict the Use of Percutaneous Endoscopic Gastrostomy During Exclusive Intensity-Modulated Radiotherapy for Oropharyngeal Cancer. *Int J Radiat Oncol Biol Phys.* 2010 (press)
72. F Ricchetti, B Wu, T McNutt, J Wong, A Forastiere, S Marur, H Starmer, **G Sanguineti**. Volumetric change of selected organs at risk during IMRT for oropharyngeal cancer *Int J Radiat Oncol Biol Phys.* 2010 (press)
73. B WU, F RICCHETTI, **G SANGUINETI**, M KAZHDAN, P SIMARI, R JACQUES, R TAYLOR, T MCNUTT. A DATA-DRIVEN APPROACH TO GENERATING ACHIEVABLE DVH OBJECTIVES IN IMRT TREATMENT PLANNING. *Int J Radiat Oncol Biol Phys.* 2010 (press)

Book Chapters

1. 'Oropharynx' in Radiation Oncology: A question-based review, Hristov, Lin and Christodouleas (eds), Lippincott Williams & Wilkins 2010
2. 'Nasopharynx' in Radiation Oncology: A question-based review, Hristov, Lin and Christodouleas (eds), Lippincott Williams & Wilkins 2010
3. 'Unknown primary cancer' in in Radiation Oncology: A question-based review, Hristov, Lin and Christodouleas (eds), Lippincott Williams & Wilkins 2010

Extramural Sponsorship (current, pending, previous)

1992-96 Consiglio Nazionale Ricerche-Applicazioni Cliniche della Ricerca Oncologica (National Council of Research), Rome, Italy, CNR #96.00687.PF39 for the clinical research 'Alternating Chemoradiotherapy versus concomitant boost radiotherapy for advanced head and neck cancer'. Total amount Lira 200.000.000 (about \$ 100,000).

EDUCATIONAL ACTIVITIES

Teaching

Radiotherapy	Nov 1997-Oct 2001	Residency in Ear Nose and Throat Diseases, University of Genoa Medical School, Genoa, Italy
Radiotherapy	Nov 2001-Nov 2002	University of Parma Medical School, Residency in Head & Neck Surgery, Parma, Italy
Radiotherapy	Jan 2001-date	University of Texas Medical Branch, Galveston, TX, Residency in Radiation Oncology

Mentoring

2003, Laura R Culp, MD, RSNA Roentgen Resident/Fellow Research Award

EDITORIAL ACTIVITIES

Journal peer review activities:

1997	British Journal Cancer
2002-date	International Journal Radiation Oncology Biology Physics
2006-date	Cancer
2007-date	Radiotherapy and Oncology
2007-date	Tumori
2007-date	Technology in Cancer Research and Treatment
2009-date	Journal of Clinical Oncology
2009-date	Archives of Otolaryngology
2010	BMC Cancer

CLINICAL ACTIVITIES

Certification

1989	Italian License Registration
1993	Educational Commission for Foreign Medical Graduates (ECFMG) Certification
1999	National Certification on Radioprotection -Italy
2006	Texas State License M3082
2007	American Board of Radiology, Board Certification in Radiation Oncology
2007	Maryland State License D0066358

Service Responsibilities

ORGANIZATIONAL ACTIVITIES

Professional Societies

1990	European Society for Therapeutic Radiology and Oncology (ESTRO)
1992	Italian Association of Radiation Oncology (AIRO)
1996	The Gilbert H. Fletcher Society (GHFS)
1997	American Society of Therapeutic Radiology and Oncology (ASTRO) The New England Cancer Society (NECS)
1998	American Society Clinical Oncology (ASCO)
2002	Radiation Therapy Oncology Group (RTOG)
2007	Eastern Cooperative Oncology Group (ECOG)

RECOGNITION

Awards

1989	Scholarship from "Consiglio Nazionale delle Ricerche"
1997	Scholarship from "Fondazione Italiana per la Ricerca sul Cancro"
1998	Award from the "Associazione Italiana Radioterapia Oncologica"
2004-2005	A.R.R.O. 'Teacher of the Year'
2006-2007	Claude Davis Professorship in Radiation Oncology
2005-2006	A.R.R.O. 'Teacher of the Year'
2007-2008	A.R.R.O. "Teacher of the Year"

Invited Talks, Panels

June 1993	"Trattamento multidisciplinare delle metastasi ossee vertebrali: linee guida. Indicazioni e risultati della radioterapia nelle localizzazioni vertebrali"(Multidisciplinary treatment of vertebral bone metastases: indications and results), Siena (Italy)
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- April 1994 "La radioterapia nella palliazione"(Radiotherapy in palliation). Corso di formazione per assistenti domiciliari., Genova (Italy)
- June 1996 "La radioterapia nella palliazione" (Radiotherapy in palliation). Corso di formazione per assistenti domiciliari., Genova (Italy)
- November 1995 "Radioterapia dei tumori della testa e collo" (Radiotherapy of HN-SCC), , Parma (Italy)
- June 1997 "La radioterapia nella palliazione"(Radiotherapy in palliation). Corso di formazione per assistenti domiciliari., Genova (Italy)
- May 1997 "Randomized studies of combined modality treatments in advanced head and neck cancer" An interdisciplinary approach to clinical oncology. New England Cancer Society meeting, , S. Margherita Ligure (Genoa), Italy
- December 1998 "Radiochemotherapy for head and neck carcinoma". Ist world congress on head and neck oncology., Madrid, Spain
- December 1998 "Chemotherapy in association with radiotherapy. Tolerancy. Indications". Ist world congress on head and neck oncology., Madrid, Spain
- October 1999 "Chemoradiotherapy for head and neck tumors". University of Texas Medical Branch (UTMB) at Galveston
- April 2000. "Determination of CTV and PTV for Head and Neck tumors". ESTRO Teaching Course on "Imaging for target volume determination in radiotherapy", Como, Italy, 9-13
- May 2000 "General aspects of radiotherapy". First international conference on oncology. Tripoli, Libia,
- June 2000 "Postoperative radiotherapy after conservative surgery". Genoa,
- May 2001 "Standard and advanced techniques in HNSCC". AIRO teaching course, Genoa, Italy,
- May 2001 "Standard and advanced techniques in HNSCC". AIRO teaching course, Messina, Italy,
- June 2001 "Tongue carcinoma: adjuvant treatments after surgery" Annual Meeting of the Italian Society of Maxillo-Facial Surgery, Naples, Italy,
- April 2002 "Discussion" 'How to write a scientific paper', course, Genova, Italy,
- April 2002 "Radiotherapy technique" 'How to write a scientific paper', Genova, Italy,
- March 2003" "Clinical issues for IMRT" Southwest Chapter AAPM Spring Meeting, Houston,
- September 2003 "Uncertainties in clinical target volume definition" 7th biennial ESTRO meeting on physics and radiation technology for clinical radiotherapy. Geneva (Switzerland),
- March 2004 "IMRT @ UTMB' National Cancer Institute, Milano,

- March 2004 "IMRT @ UTMB` National Institute for Cancer Research, Genova,
- July 2004 "Current Strategies for cancer of the Prostate: Radiotherapy" Christus St Joseph Hospital, Houston, "From the clinical based to the biology guided therapy" Therapeutic news in the treatment of localized prostate cancer, Genova, September 15, 2004
- September 2004 "Volumes and fractionation" Therapeutic news in the treatment of localized prostate cancer, Genova,
- October 2004 "Prostate Cancer: Radiation Therapy in Combination with Hormonal Therapy". Workshop, XIV AIRO meeting, Turin
- June 2005 "Treatment of the N0 neck" Meeting of the SICMF (Italian Association of Head and Neck Surgery), Parma, Italy,
- December 2005 "Volume and dose/volume constraints for HN and GU cancers". IMRT course, Galveston,
- March 2006 "Clinical introduction to IGRT" AIRO meeting on prostate cancer, Milan,
- October 2006 "The role of postoperative radiotherapy" Consensus conference on the treatment of laryngeal carcinoma, Milan,
- September 2007 "IMRT for Oropharyngeal Carcinoma" Mid-Atlantic Society of Radiation Oncologist, Baltimore
- September, 2008 "Scoring Toxicity: Improving Objectivity for Precise Dose-Volume Modeling" ESTRO Pre-meeting Course, Dose-Volume Response Relationships in Normal Tissues, Sweden
- November 2008 "Radiotherapy alone or in combination for high risk prostate Cancer". Workshop, XVIII Meeting of the Italian Urologic Society, Pescara
- February 2009 "Re-irradiation for HN Cancer" Greater Baltimore Medical Center, Baltimore
- July, 2009 "Role of Radiotherapy in the Management of Thyroid Cancer". Course on Thyroid Cancer. Johns Hopkins University School of Medicine, Baltimore
- September 2009 "Adaptive RT in HN Cancer". 10th Biennial ESTRO Conference on Physics and Radiation Technology for Clinical Radiotherapy, Maastricht,

November 2009

“Treatment de-intensification for oropharyngeal cancer”. ASTRO,
Chicago, IL