

**CURRICULUM VITAE  
THOMAS A. DIPETRILLO, M.D.**

**Associate Professor**

Brown School of Medicine

**Vice Chairman**

Department of Radiation Oncology

Brown University

Providence, RI 02903

**Clinical Director**

Department of Radiation Oncology

Rhode Island Hospital

593 Eddy Street

Providence, Rhode Island 02903

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**EDUCATION**

Undergraduate:

University of Vermont, BA Zoology  
1977 - 1981

Medical School:

University of Vermont, M.D.  
1982 - 1986

**POSTGRADUATE TRAINING**

Residency:

Intern, Resident Internal Medicine  
Newton-Wellesley Hospital  
1986-1989

Resident, Radiation Oncology  
New England Medical Center  
1989-1993

**POSTGRADUATE HONORS AND AWARDS**

The Derby Award Newton-Wellesley Hospital 1989, for compassion and care of the cancer patient.

ASTRO Fellowship 1992-1993, Studying Boron Neutron Capture Therapy in murine glioma model.

## **PROFESSIONAL LICENSES AND BOARD CERTIFICATION**

### **Licensure and Certification:**

Diplomate, National Board of Medical Examiners	1987
Diplomate, American Board of Internal Medicine	1988
Diplomate, American Board of Radiology (Therapeutic)	1993
Licensed, Commonwealth of Massachusetts (#60144)	1988 - Present
Licensed, State of Rhode Island (#9677)	1988 - Present

### **Board Certified:**

American Board of Medicine (Internal Medicine)	Sept 1989
American Board of Radiology (Radiation Oncology)	June 1993

## **ACADEMIC APPOINTMENTS**

Teaching Fellow	Tufts University School of Medicine Boston, MA	1987 - 1989
Teaching Fellow	Tufts University School of Medicine Boston, MA	1989 - 1992
Assistant Professor	Brown University School of Medicine Providence, RI	1998 - Present

## **HOSPITAL APPOINTMENTS**

Clinical Director	Department of Radiation Oncology	1998 - Present
Radiation Oncologist	Rhode Island Hospital	1998 - Present
Radiation Oncologist	The Miriam Hospital	1998 - Present
Radiation Oncologist	Women & Infant's Hospital	1998 - Present
Radiation Oncologist	Boston-VA Hospital	1993 -1996
Radiation Oncologist	Saints Memorial Hospital	1998 - 2001
Radiation Oncologist	Rhode Island Hospital	1998 - Present

## **OTHER PROFESSIONAL EXPERIENCES**

Consultant, Health Management Resources	1988 -1989
Consultant, Vida Healthcare, Inc.	1998 - 1999
Consultant, Medacorp	2002
Medical Director, Chinese American Cancer Institute	2002 - Present

## **EDITORIAL ACTIVITY**

### **AD HOC Reviewer:**

Cancer  
International Journal of Radiation Biology and Physics  
American Journal of Clinical Oncology

**RIH/WOMEN & INFANTS COMMITTEE ASSIGNMENTS**

Member, Women & Infants Hospital Cancer Committee	1999 - Present
Member, Rhode Island Hospital Radiation Safety Committee	2000 - Present
Member, Women & Infants Hospital Radiation Safety Committee	2000 - Present
<b>Chairman</b> , Rhode Island Hospital Cancer Committee	2001 - Present
Member, Rhode Island Hospital Medical Executive Committee	2002 - Present
<b>Vice President</b> , Rhode Island Hospital Medical Staff	2003 - Present
Member, Rhode Island Hospital Credentialing Committee	2004 - Present
Member, Women & Infants Hospital Breast Health Clinic	2004 - Present
Member, Rhode Island Hospital Vascular Subcommittee	2004 - Present

**NATIONAL COMMITTEE ASSIGNMENTS**

National Cancer Institute/ Intensity Modulated Radiation Therapy (IMRT) Guidelines Committee	1998
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**NATIONAL RESEARCH GROUP AFFILIATIONS**

Eastern Cooperative Oncology Group (ECOG)	1994 - 1997
Radiation Therapy Oncology Group (RTOG)	1999 - Present
Cancer and Leukemia Group B Thoracic/GU Subcommittee	2003 - Present
American College of Surgeons Oncology Group Thoracic Subcommittee	2003 - Present
American College of Radiology Imaging Network	2003 - Present
Radiation Oncology Quality Assurance	2004 - Present

**BROWN UNIVERSITY TEACHING RESPONSIBILITIES**

Resident Supervisor	1998 - Present
Medical Student Mentor/Supervisor	1998 - Present

**SPECIAL CLINICAL PROGRAMS INITIATED AT BROWN/RIH/W&I**

Initiated High Dose-Rate Brachytherapy	1999
Initiated Intensity Modulated Conformal Therapy	1999
Initiated 3-D Treatment Planning	1999
Initiated Combined Radiofrequency Ablation and Radiotherapy	1999
Initiated CT Simulation	2000
Initiated Monte Carlo Modeling for Intensity Modulation	2001
Initiated Mammosite Brachytherapy	2002
Initiated Biologic Modeling for Treatment Planning	2003
Initiated Image Guided Radiotherapy	2005
Initiated Stereotactic Body Radiosurgery	2005
Initiated Hyperthermia	2006
Initiated 4D CT Simulation	2006

## **RESEARCH EXPERIENCE**

Department of Biochemistry, University of Vermont

1980-1998

Laboratory of Kenneth R. Cutroneo, PhD.

- Effects of glucocorticoids on collagen synthesis
- Mechanism of bleomycin-induced pulmonary fibrosis

Department of Radiation Oncology Rhode Island Hospital

1999 - Present

- Clinical review of breast conserving therapy for early stage breast cancer
- Clinical application of brachytherapy for early stage breast cancer
- Pre-clinical review of radiotherapy for prostate cancer at Rhode Island Hospital
- Clinical evaluations of multidisciplinary treatment for lung cancer
- Intensity modulated conformal radiotherapy.

## **ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS**

1. Counts D., Evans J., **DiPetrillo T.**, Sterling K., Kelley J: Collagen lysyl oxidase activity increases during bleomycin-induced lung fibrosis. *Journal of Pharmacology and Experimental Therapy*. 219:675-8, 1981.
2. Sterling K., **DiPetrillo T.**, Cutroneo K., Prestayko A.: Inhibition of collagen accumulation by glucocorticoids in rat lung after intratracheal bleomycin instillation. *Cancer Res*. 42:405-8, 1982.
3. Sterling K., **DiPetrillo T.**, Kotch J., Cutroneo K.: Bleomycin induced increase of collagen turnover in IMR-90 fibroblasts: An in vitro model of connective tissue restructuring during lung fibrosis: *Cancer Res*. 42:3502-6, 1982.
4. Sterling K., Harris M., Mitchell J., **DiPetrillo T.**, Delaney G., Cutroneo K.: Dexamethasone decreases the amounts of type I procollagen mRNAs in vivo and in fibroblast cell cultures. *Journal of Biological Chemistry*. 258:7644-7, 1983.
5. **DiPetrillo T.**, Lee J., Cutroneo K.: Anti-inflammatory steroids that neither inhibits skin collagen synthesis nor cause dermal atrophy. *Archives of Dermatology*. 120:878-83, 1984.
6. Jeffrey J., **DiPetrillo T.**, Counts D., Cutroneo K.: Collagen accumulation in neonatal rat skin: Absence of fibrillar collagen degradation during normal growth, collagen and related research. *Coll Relat Res*. 5(2):157-65, 1985.
7. Cutroneo K., **DiPetrillo T.**, Cutroneo K., Jr.: Variation of corticosteroid-induced inhibition of collagen synthesis at equivalent anti-inflammatory doses. *Journal of American Academy of Dermatology*. 22:1007-10, 1990.

8. Wazer D., **DiPetrillo T.**, Schmidt-Ullrich R., Weld L., Marchant D., Smith T., Robert N.: Factors influencing cosmetic outcome and complication risk after conservative surgery and radiotherapy for early stage breast carcinoma. *Journal of Clinical Oncology*. 10:356-63, 1992.
9. Schmidt-Ullrich R., Wazer D., **DiPetrillo T.**, Marchant D., Smith T., Safran H., Schmid C., Homer M: Breast conservation therapy for early stage breast cancer with outstanding 10 year locoregional control: A case for aggressive therapy to the tumor bearing quadrant. *International Journal of Radiation Oncology, Biology, Physics*. 27:545-52, 1993
10. Harling O., Zamenhof R., Solares G., Yanch J., Wazer D., Rogus R., Chabeuf J., Yam S., Bernard J., Cano G., **DiPetrillo T.**, Madoc-Jones J.: Preparations for phase I clinical trials of Boron Neutron Capture Therapy at the MIT reactor and New England Medical Center. *Radiation Oncology Invest*. 2:109-18, 1994.
11. Wazer D., Erban J., Robert N., Smith T., Marchant D., **DiPetrillo T.**, Schmidt-Ullrich R.: Breast conservation in elderly women for clinically negative axillary lymph nodes without axillary dissection. *Cancer*. 74:878-83, 1994.
12. Cano W., Solares G., **DiPetrillo T.**, Meylerts S., Lin S., Zamenhof R., Saris S., Duker J., Goad E., Madoc-Jones H., Wazer D.: Toxicity associated with boronophenylalanine and cranial neutron irradiation. *Radiation Oncology Invest*. 3:108-18, 1995.
13. Tsai J., Wazer D., Ling M., Wu J., Fagundes M., **DiPetrillo T.**, Kramer B., Koistinen M., Engler M.: Dosimetric verification of the dynamic intensity-modulated radiation therapy of 92 patients. *International Journal of Radiation Oncology, Biology, Physics*. 40(5):1213-30, 1998 Mar 15.
14. Tsai J., Engler M., Ling M., Wu J., **DiPetrillo T.**, Wazer, D.: A non-invasive immobilization system and related quality assurance for dynamic intensity modulated radiation therapy of intracranial and head and neck disease. *International Journal of Radiation Oncology, Biology, Physics*. 43(2):455-67, 1999 Jan 15.
15. Wazer D., Schmidt-Ullrich R., Ruthazer R., **DiPetrillo T.**, Boyle T., Kanski J., Safran H.: The influence of age and extensive intraductal component histology upon breast lumpectomy margin assessment as a predictor of residual tumor. *International Journal of Radiation Oncology, Biology, Physics*. 45(4):885-91, 1999 Nov 1.
16. King C., **DiPetrillo T.**, Wazer D.: Optimal radiotherapy for prostate cancer: Predictions for conventional external beam, IMRT, and brachytherapy from radiobiologic models. *International Journal of Radiation Oncology, Biology, Physics*. 46(1):165-72, 2000 Jan 1.

17. Safran H., Wanebo H., Hesketh P., Akerman P., Iannitti D., Cioffi W., **DiPetrillo T.**, Wolf B., Koness J., McAnaw R., Moore T., Chen M., Radie-Keane K.: Paclitaxel and concurrent radiation for gastric cancer. *International Journal of Radiation Oncology, Biology, Physics.* 46(4): 889-94, 2000 Mar 1.
18. **DiPetrillo T.**: Three-dimensional conformal radiotherapy for early stage prostatic cancer: techniques, outcomes and possible pitfalls. *Surgical Oncology Clinics of North America.* 9(3):435-53, viii, 2000 Jul.
19. Vora S., Daly B., Blaszkowsky L., McGrath J., Mankoff M., Supran S, **DiPetrillo T.**: High dose radiation therapy and chemotherapy as induction treatment for stage III non-small cell lung carcinoma. *Cancer.* 89(9): 1946-52, 2000 Nov 1.
20. Safran H., Moore T., Iannitti D., **DiPetrillo T.**, Akerman P., Cioffi W., Harrington D., Quirk D., Rathore R., Cruft D., Vakharia J., Vora S., Savarese D., Wanebo H.: Paclitaxel and concurrent radiation for locally advanced pancreatic cancer. *International Journal of Radiation Oncology, Biology, Physics.* 2001; 49(5): 1275-9, 2001 Apr 1.
21. Wazer D., Lowther D., Boyle T., Ulin K., Neuschatz A., Ruthazer R., **DiPetrillo T.**: Clinically evident fat necrosis in women treated with high-dose-rate brachytherapy alone for early-stage breast cancer. *International Journal of Radiation Oncology, Biology, Physics.* 50(1):107-11, 2001 May 1.
22. Law A., Karp D., **DiPetrillo T.**, Daly B.: Emergence of increased cerebral metastasis after high-dose preoperative radiotherapy with chemotherapy in patients with locally advanced non-small cell lung carcinoma. *Cancer* 92(1):160-4, 2001 Jul 1.
23. Neuschatz A., **DiPetrillo T.**, Safaii H., Lowther D., Landa M., Wazer D.: Margin width as a determinant of local control with and without radiation therapy for ductal carcinoma in situ (DCIS) of the breast. *International Journal of Cancer.* 96(suppl):97-104, 2001.
24. Neuschatz A., **DiPetrillo T.**, Wazer D.: The value of breast lumpectomy margin assessment as a predictor of residual tumor burden in ductal carcinoma in situ of the breast. *Cancer.* 94(7):1917-24, 2002 Apr 1.
25. Wazer D., Berle L., Graham R., Chung M., Rothschild J., Graves T., Cady B., Ulin K., Ruthazer R., **DiPetrillo T.**: Preliminary results of a phase I/II study of HDR brachytherapy alone for T1/T2 breast cancer. *International Journal of Radiation Oncology, Biology, Physics.* 53(4):889-97, 2002 Jul 15.
26. Morr J., **DiPetrillo T.**, Engler M., Tsai J-S., Wazer D.: Implementation and utility of a daily ultrasound-based localization system with intensity-modulated radiotherapy for prostate cancer. *International Journal of Radiation Oncology, Biology, Physics.* 53(5):1124-29, 2002 Aug 1.

27. Safran H., **DiPetrillo T.**, Iannitti D., Quirk D., Akerman P., Cruff D., Cioffi W., Shah S., Ramdin N., Rich T.: Gemcitabine, paclitaxel, and radiation for locally advanced pancreatic cancer: A Phase I trial. *International Journal of Radiation Oncology, Biology, Physics.* 54(1):137-41, 2002 Sep 1.
28. Chung M., **DiPetrillo T.**, Hernandez S., Masko G., Wazer D., Cady B.: Treatment of the axilla by tangential breast radiotherapy in women with invasive breast cancer. *American Journal of Surgery.* 184(5):401-2, 2002 Nov.
29. Dupuy D., Mayo-Smith W., Abbott G., **DiPetrillo T.**: Clinical applications of radio-frequency tumor ablation in the thorax. *Radiographics.* 22 Spec No:S259-S269, 2002.
30. Neuschatz A., **DiPetrillo T.**, Safaii H., Price L., Schmidt-Ullrich R., Wazer D.: Long-term follow-up of a prospective policy of margin-directed radiation dose escalation in breast-conserving therapy. *Cancer.* 97(1):30-9, 2003 Jan 1.
31. Lee W. Daly B., **DiPetrillo T.**, Morelli D.M., Neuschatz A., Morr J., Rivard M.: Limited resection for non-small cell lung cancer: observed local control with implantation of I-125 brachytherapy seeds. *Annals of Thoracic Surgery.* 75(1):237-42; discussion 242-3, 2003 Jan.
32. Zhou P., Fernandes N., Dodge I., Reddi A., Rao N., Safran H., **DiPetrillo T.**, Wazer D., Band V., Band H.: ErbB2 degradation mediated by the co-chaperone protein CHIP. *Journal of Biological Chemistry.* 278(16):13829-37, 2003 Apr 18.
33. Jain S., Dupuy D., Cardarelli G., Zheng Z., **DiPetrillo T.**: Percutaneous radiofrequency ablation of pulmonary malignancies: combined treatment with brachytherapy. *American Journal of Roentgenology.* 181(3):711-5, 2003 Sept 5.
34. Safran H., **DiPetrillo T.**, Nadeem A., Steinhoff M., Tantravahi U, Rathore R, Wanebo H, Hughes M, Maia C, Tsai JY, Pasquariello T, Pepperell JR, Cioffi W, Kennedy T, Reeder L, Ng T, Adrian A, Goldstein L, Chak B, Choy H.: Trastuzumab, paclitaxel, cisplatin and radiation for adenocarcinoma of the esophagus: a phase I study. *Cancer Investigation.* 22(5):670-7, 2004
35. Shah N., Tenenholz T., Arthur D., **DiPetrillo T.**, Bornstein B., Cardarelli G., Zheng Z., Rivard M., Kaufman S., Wazer D.: MammoSite and interstitial brachytherapy for accelerated partial breast irradiation: factors that affect toxicity and cosmesis. *Cancer.* 101(4):717-734, 2004 Aug 15.
36. Kaufman S, **DiPetrillo T.**, Ruthazer R, Wazer D.: MammoSite excision volume as a predictor for residual disease. *Cancer.* 104 (5): 906-12, 2005 September 1.

37. Iannitti D, **DiPetrillo T.**, Akerman P, Barnett J, Maia-Acuna C, Cruff D, Miner T, Martel D, Cioffi W, Remis M, Kennedy T, Safran H.: Erlotinib and chemoradiation followed by maintenance erlotinib for locally advanced pancreatic cancer: a phase I study. *American Journal of Clinical Oncology*. 28 (6); 570-5, 2005 December.
38. Wazer D, Kaufman S, Cuttino L, **DiPetrillo T.**, Arthur D: Accelerated partial breast irradiation: An analysis of variables associated with late toxicity and long-term cosmetic outcome after high-dose-rate interstitial brachytherapy. *International Journal of Radiation Oncology, Biology, Physics*. 64(2); 489-95, 2006 Feb 1.
39. Kaufman S, **DiPetrillo T.**, Wazer D.: Accelerated Partial Breast Irradiation: Current Modalities and Investigations. *Medicine and Health/Rhode Island*. 89 (2): 70-3, 2006 February.
40. Dupuy D, **DiPetrillo T.**, Sachin G, Neal R, Ng T, Donat W, Mayo-Smith W.: Radiofrequency Ablation Followed by Conventional Radiotherapy for Medically Inoperable Stage I Non-small Cell Lung Cancer. *Chest*; 129; 738-45. 2006.
41. Boyer A., Butler B., **DiPetrillo T.**, Engler M., Benedick F., Grant W. III, Leibel S., Ling C., Low D., Mackie T., Mohan R., Purdy J., Roach M., Rosenman J., Verhey L., Wong J.: Intensity Modulated Radiation Therapy: The state of the Art. *International Journal of Radiation Oncology, Biology, Physics*.. In press

### **OTHER PUBLICATIONS**

1. Solares G., Zamenhof R., Wazer D., Bernard J., Harling O., **DiPetrillo T.**, Madoc-Hones H., Coderre J., Meek A: Federal and institutional approvals necessary prior to a US clinical trial of neutron capture therapy. *Proceedings of the Fifth International Symposium on Neutron Capture Therapy*, 1993.
2. Solares G., Zamenhof R., Wazer D., **DiPetrillo T.**, Saris S., Cano G., Harling O.: Effects of fractionation of boron neutron capture therapy in a mouse glioma model. *Proceedings of the Fifth International Symposium on Neutron Capture Therapy*, 1993.
3. Zamenhof E., Wazer D., Bernard J., Harling O., **DiPetrillo T.**, Madoc-Jones J., Coderre J., Meek A.: Federal and institutional approvals necessary prior to a US clinical trial of neutron capture therapy. *Proceedings of the Fifth International Symposium on Neutron Capture Therapy*, 1993.
4. Engler M., Tsai J-S., **DiPetrillo T.**, Wazer D.: Optimization Strategies for Inverse Planning. *Proceedings of the 5th International Symposium on 3-D Conformal Radiation Therapy and Brachytherapy*, Memorial Sloan-Kettering Cancer Center, New York, NY, 329-32, 2000 Jun 1-3.



5. **DiPetrillo T**, Dupuy D.: Radiofrequency Ablation and Radiotherapy: Complementing Treatments for Solid Tumors Seminars in Interventional Radiology J Kaufman, P Mueller (ed) Thieme Pub. In press

## **BOOKS AND BOOK CHAPTERS**

1. Engler M., Tsai J-S, **DiPetrillo T.**, Wazer D.: The Reduction of Inversely Planned Intensity-Modulated Radiation Tomotherapy to Clinical Practice. Proceedings of the VI<sup>th</sup> International Conference on Med Phys., Patras, Greece. September 1-4, 1999. Sponsored by the European Federation of Organizations for Medical Physics. Physica Medica Vol XV, N. 3, July-September, 241-2. 1999.
2. Engler M., Tsai J-S, **DiPetrillo T.**, Wazer D.: Commissioning and quality assurance of sequential tomotherapy systems. "The Target Volume in Radiotherapy: 3D Treatment Planning for the Clinician". Verhy L., Roach M, eds, Symposium Proceedings, UCSF, 2000.
3. Engler M., Tsai J-S, **DiPetrillo T.**, Wazer D.: Optimization Strategies for Inverse Planning. Proceedings of the 5<sup>th</sup> International Symposium on 3D Conformal Radiation Therapy and Brachytherapy, Memorial Sloan-Kettering Cancer Center , New York, NY. 329-32, 2000 Jun 1-3.
4. Engler M., Tsai J-S., **DiPetrillo T.**, Wazer D.: Patient Specific IMRT Quality Assurance Issues. In, *3-D Conformal and Intensity Modulated Radiation Therapy: Physics and Clinical Applications*. JA Purdy, WH Grant, JR Palta, EB Butler, CA Perez, eds. Advanced Medical Publishing, Inc. Madison, WI, 333-44, 2001.
5. Wazer D., **DiPetrillo T.** , Tsai J., Engler M., Godin, C., Pagnini, P.: New England Medical Center Prostate IMRT Experience. In, *3-D Conformal and Intensity Modulated Radiation Therapy: Physics and Clinical Applications*. JA Purdy, WH Grant, JR Palta, EB Butler, CA Perez, eds. Advanced Medical Publishing, Inc. Madison, WI, 457-62, 2001.
6. **DiPetrillo T.**, Wazer D., Engler M., Tsai J., Boyle T., Godin C., Pagnini P.: Head and Neck IMRT: New England Medical Center Experience. In, *3-D Conformal and Intensity Modulated Radiation Therapy: Physics and Clinical Applications*. JA Purdy, WH Grant, JR Palta, EB Butler, CA Perez, eds. Advanced Medical Publishing, Inc. Madison, WI 523-8, 2001.

## **EDITORIALS**

1. Schmidt-Ullrich R., Wazer D., **DiPetrillo, T.**: Optimal management of the tumor-bearing quadrant in the setting of breast-conserving therapy. Editorial Reply. International Journal of Radiation Oncology, Biology, Physics.. 27:757-8, 1993.

## **ABSTRACTS**

1. Tsai J, Engler M, Ling M, Wu J, Kramer B, Fagundes M, **DiPetrillo T.**, Wazer D.: 129 Dosimetric verification of the dynamic intensity modulated radiotherapy (IMR) of 21 patients. International Journal of Radiation Oncology, Biology, Physics. 36 (1) supp 1; 223. 1996.
2. Tsai J, Fagundes M, **DiPetrillo T.**, Wazer D, Engler M.: 2220 Analysis of intensity modulated dose distributions in phantoms with and without air cavities. International Journal of Radiation Oncology, Biology, Physics. 39 (2) supp 1; 350. 1997.
3. Engler M, Tsai J, Vora S, Wazer D, **DiPetrillo T.**: 117 Application of dynamic intensity-modulated radiation therapy to the treatment of prostate cancer. International Journal of Radiation Oncology, Biology, Physics. 39 (2) Supp 1; 193. 1997.
4. Law A, Daly B, Madsen M, Yunes M, Wu J, Garcia-Moliner M, **DiPetrillo T.**, Bankoff M, Karp D.: 248 High incidence of isolated brain metastases (CNSMets) following complete response (CR) in advanced non-small cell lung cancer (NSCLC): A new challenge. Lung Cancer. 18 (Supp 1); 65. 1997 August.
5. Kanski J., **DiPetrillo T.**, Norén G., Chougule P., Zheng Z., Ruthazer R., Wazer D.: Implications of Gamma Knife dose rate response to treatment of brain metastases. Submitted for presentation at ASTRO 1999
6. Safran H., Wanebo H., Hesketh P., Akerman P., Gaissert H., Iannitti D., Cioffi W., **DiPetrillo T.**, Koness J., Radie-Keane K., Joseph P., Mega A., McAnaw R., Kennedy T.: Paclitaxel and Concurrent Radiation for Locally Advanced Gastric Cancer. Presented at the 1999 American Society of Clinical Oncology (ASCO) Meeting, abstr. #1047,
7. Morr J, **DiPetrillo T.**, Tsai J, Wazer D.: Clinical use of daily transabdominal ultrasound localization with intensity modulated radiation therapy (IMRT) for prostate cancer. International Journal of Radiation Oncology, Biology, Physics. 48 (3) supp 1; 308. 2000.
8. **DiPetrillo T.**, Rathore R, Moulton A, Weyman A, Shah S, Quirk D, Greenspan N, Ahmed N, Harrington D, Safran H.: Neoadjuvant Herceptin, paclitaxel, cisplatin and radiation for adenocarcinoma of the esophagus: a phase I/II study. European Journal of Cancer 37 (supp 6); S27, 2001 April.
9. Engler M., Tsai J-S, Lowther D., **DiPetrillo T.**, Wazer D.: Outcome Analysis for Prostate Patients Treated with Sequential Tomotherapy. Presented at the 43<sup>rd</sup> Annual Meeting of the American Association of Physicists in Medicine (AAPM), Salt Lake City, UT, July 22, 2001.

10. Cardarelli G., Zheng Z., Hussain K., Cintron O., Shearer D., **DiPetrillo T.**, Tsai J., Engler M., Mohiuddin M., Wazer D.: Evaluation of a New Commercial QA Phantom for Intensity Modulated Radiation Therapy (IMRT) Plan Verification. Presented at the 43<sup>rd</sup> Annual Meeting of the American Association of Physicists in Medicine (AAPM), Salt Lake City, UT, July 22, 2001.
11. Berle L, Lowther D, **DiPetrillo T.**, Cady B, Graham R, Rothschild J, Graves T, Chung M, Ruthazer R, Wazer D.: A Phase I/II study of HDR brachytherapy alone for T1/T2 breast cancer. International Journal of Radiation Oncology, Biology, Physics. 51 (3) supp 1; 5, 2001 November 1.
12. Neuschatz A, **DiPetrillo T.**, Steinhoff M, Yunes M, Cady B, Wazer D.: DCIS lumpectomy specimen margin assessment as a predictor of residual disease: is it enough. International Journal of Radiation Oncology, Biology, Physics. 51 (3) supp 1; 247, 2001 November 1.
13. Lee W, Daly B, Morelli D, Neuschatz A, **DiPetrillo T.**: Limited resection for lung cancer: improved local control with the implantation of iodine-125 seeds. International Journal of Radiation Oncology, Biology, Physics. 51 (3) supp 1; 353-4, 2001 November.
14. Safran H., **DiPetrillo T.**, Nadeem A., Steinhoff M., Tantravahi U., Rathore R., Wanebo H., Hughes M., Maria C., Tsai J., Pasquariello T., Pepperell J., Cioffi W., Kennedy T., Reeder L., Adrian A., Chak B., Choy H.: Herceptin, paclitaxel, cisplatin, and radiation for adenocarcinoma of the esophagus: a Phase I study. Presented in part at the 38<sup>th</sup> Annual Meeting of the American Society of Clinical Oncology, Orlando, FL, May 18-21, 2002.
15. Zheng Z., Cardarelli G., Shearer D., Wazer D., **DiPetrillo T.**, Chougule P.: Peregrine as a Verification Tool of Corvus Treatment Planning System. Presented at the 44<sup>th</sup> AAPM Annual Meeting, Med. Phys. 29, abstr. #1231, Montreal, Canada, July 14, 2002.
16. **DiPetrillo T.**, Smith R.: Gemcitabine, Paclitaxel and Radiation for Locally Advanced Pancreatic Cancer: A Phase I Trial. International Journal of Radiation Oncology, Biology, Physics. Vol. 53, Issue 4 889-97, 2002 Jul 15.
17. Dupuy D, Abbott G, Mayo-Smith W, Ridlen M, Cronan J, **DiPetrillo T.**: Clinical Applications of Radiofrequency Ablation in the Thorax. Radiographics. 22 Spec No: S259-69, 2002 Oct.
18. Neuschatz A, **DiPetrillo T.**, Safaii H, Price L, Schmidt-Ullrich R, Wazer D.: Long term results of a prospective study of breast conserving therapy with margin directed dose escalation to the tumor bed. International Journal of Radiation Oncology, Biology, Physics. 54 (2) supp 1; 56-7, 2002 October.

19. Iannitti D, Coburn N, Cioffi W, Tomicic J, Wanebo H, **DiPetrillo T.**, Safran H.: 134: Neoadjuvant Gemcitabine (Gemzar), Paclitaxel (Taxol) and Radiation may Downstage Locally Advanced Pancreas Cancer Facilitating Resection. *Journal of Gastrointestinal Surgery*. 7 (2); 300, 2003 February.
20. Dupuy D., **DiPetrillo T.**, Mayo-Smith W., Puthawala M.: Combination of Radiofrequency Ablation and High Dose Rate Brachytherapy for Stage I Non-Small Cell Lung Cancer, April, 2003.
21. Dupuy D, Chauhan B, Ready N, **DiPetrillo T**, Gaissert H, Fenton MA: Radiofrequency Ablation followed by conventional radiotherapy for inoperable non-small cell lung cancer. Presented at 39<sup>th</sup> Annual American Society of Clinical Oncology Meeting. Chicago, IL, Abstract #2632, May 31, 2003
22. Dupuy D, Chauhan N, **DiPetrillo T.**, Gaissert H, Fenton M.A.: Brown Medical School and Rhode Island Hospital, Providence, RI. Radiofrequency Ablation (RFA) followed by conventional radiotherapy (RADIATION THERAPY) for inoperable non-small cell lung cancer (NSCLC). *ASCO Proceedings*, Vol. 22, abstr #2632, June 2003.
23. Arthur D, Wazer D, Koo D, Shah N, Berle L, Cuttino L, Yunes M, Rivard M, Todor D, Tong S, Tenenholz T, **DiPetrillo T.**: The importance of dose volume histogram evaluation in partial breast brachytherapy: a study of dosimetric parameters. *International Journal of Radiation Oncology, Biology, Physics*. 57 (2) supp 1: S361-2, 2003 October 1.
24. Ready N., Herndon J., Vokes E., Bogart J., Crawford J., **DiPetrillo T.**, Green M.: Initial Cohort Toxicity Evaluation for Chemoradiotherapy (CRT) and ZD1839 in Stage III Non-Small Cell Lung Cancer (NSCLC): A CALGB Stratified Phase II Trial. Presented at the 2004 ASCO Annual Meeting, Abstr #7078, New Orleans, LA, June 5-8, 2004.
25. Iannitti D., **DiPetrillo T.**, Cruft D., Sambandam S., Maia C., Hughes M., Oldenburg N., Thornton K., Kennedy T., Safran H.: Erlotinib, Gemcitabine, Paclitaxel and Radiation for Locally Advanced Pancreatic Cancer: A Phase I Study. Presented at the 2004 ASCO Annual Meeting, Abstr #4093, New Orleans, LA, June 5-8, 2004.
26. Kaufman S, **DiPetrillo T.** Ruthazer R, Wazer D.: Mammosite excision volume as a predictor for residual disease. *International Journal of Radiation Oncology, Biology, Physics*. 60 (supp 1): S396, 2004 September.
27. Kaufman S, Arthur D, **DiPetrillo T.**, Cuttino L, Wazer D.: Accelerated Partial Breast Irradiation (APBI): An analysis of Variables Associated with Late Toxicity after HDR Interstitial Brachytherapy. *International Journal of Radiation Oncology, Biology, Physics*. 63 (supp 1): S7, 2005 October 1.

28. Streeter J, Vicini F, Mehta V, Quiet C, Kuerer H, Stroms E, Freedman G, Arthurs D, **DiPetrillo T.**, Keisch M.: P65 MammoSite Radiation Therapy System (RTS) as the Sole Radiation Technique for DCIS of the Breast after Lumpectomy: A Phase II Trial. The Breast. 14 (Supp 1); S33, 2005 February.
29. Kaufman S, Arthur D, **DiPetrillo T.**, Cuttino L, Wazer D: Accelerated Partial Breast Irradiation (APBI): An Analysis of Variables Associated with Late Toxicity after HDR Interstitial Brachytherapy. International Journal of Radiation Oncology, Biology, Physics. 63(Supp 1); S7, 2005 Oct 1.
30. Cardarelli G., Rivard M, Tsai J-S, O'Connell N, Hiatt J, **DiPetrillo T.**, Shad N, Shearer D, Wazer D.: Multiple Dwell Positions in the MammoSite® HDR Applicator. Submitted to American Brachy Society (ABS) Meeting.
31. Cardarelli G, Tsai J-S, Hiatt J, **DiPetrillo T.**, Remis M, Puthawala Y, Wazer D.: Post Surgical Placement of MammoSite® Applicator Using the PinPoint™ CT Scanner Integrated Stereotactic Arm. Submitted to American Brachy Society (ABS) Meeting.

### **INVITED PRESENTATIONS**

Cardarelli G, Cail D, Cintron O, **DiPetrillo T.**, Wazer D.: Head Scatter Measurements of Enhanced Dynamic Wedges: Cause for Non -Uniform Increase in Relative Surface Dose. RSNA 1999.

Symposium on Pancreatic Cancer: Advancements for the Millennium. The Westin Hotel, Providence, RI. March 12, 1999.

Cardarelli G, Zheng Z, Tsai J, Engler M, Shearer D, **DiPetrillo T.**, Wazer D.: Practical Phantom Measurement Verification of Inversely Planned Sequential Tomotherapy. RSNA, 2001.

**DiPetrillo T.**, Smith R.: Gemcitabine, Paclitaxel and Radiation for Locally Advanced Pancreatic Cancer: A Phase I Trial. Presented at the American Society for Therapeutic Radiology and Oncology (ASTRO) 43rd Annual Meeting, San Francisco, CA, November 4-8, 2001.

Dupuy D, Abbott G, Mayo-Smith W, Ridlen M, Cronan J, **DiPetrillo T.:** Clinical Applications of Radiofrequency Ablation in the Thorax. 87<sup>th</sup> Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois. November 25-December 30, 2001.

Zheng Z., Cardarelli G., Shearer D., Wazer D., **DiPetrillo T.**, Chougule P., Puthawala M.: Dosimetry Reproducibility of Intensity-Modulated Radiation Therapy Using a Commercially Available System. Presented at the 44<sup>th</sup> AAPM Annual Meeting, Med. Phys. 29, abstr. #1263, Montreal, Canada, July 14, 2002.

Brown University Oncology Group (BrUOG) Faculty Retreat. Presented at Brown Faculty Club. May 21, 2003.

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Cardarelli G, Zheng Z, O'Connell N, Rivard M, **DiPetrillo T**, Shah N, Shearer D, Wazer D.: Multiple Dwell Positions with the MammoSite® HDR Applicator. 24th American Brachytherapy Society Meeting. May 2003.

AAMD. Clinical Application of IMRT. Presented at Westin Hotel, Providence, RI. June 30, 2003.

ACSOG Lung Cancer Workshop. RFA and Brachytherapy for NSCLC. July 2003.

Lecture on prostate cancer. Einchester, MA. August 6, 2003.

Man-to-Man Support Group. Current principals of Radiotherapy. Lecture on prostate cancer. November 5, 2003.

Clinical Oncology Roundtable Meeting. Cancer Council. January 5, 2004.

Cancer Council: Colorectal cancer. January 20, 2004

National Cancer Institute Meeting. February 2-3, 2004.

BrUOG Retreat. February 11, 2004.

Prostate Cancer Grand Rounds, Rhode Island Hospital, Providence, RI. March 24, 2004.

GU Malignancies. Grand Rounds, The Miriam Hospital, Providence, RI. March 25, 2004.

International Lung Cancer Screening Trialists. April 2004.

Use of PET Scans. PET Scan Department, Rhode Island Hospital, Providence, RI. May 4, 2004.

BrUOG Retreat. October 19, 2004.

Conference @ Duke University. October 28-29, 2004.

Basics of Radiation Treatment. Grant Title: Radiofrequency Ablation Grand Rounds, Rhode Island Hospital, Providence, RI. January 19, 2005.

Management Options for Early Non-Small Cell Lung Cancer. Spring Cancer Symposium, St. Anne's Hospital, Fall River, MA. May 19, 2005.

## **RESEARCH SUPPORT**

Grant Title: Radiofrequency Ablation followed by conventional therapy for inoperable non-small cell lung cancer

Funding Agency: Valleylab Inc.

Amount: \$60,000

Period: 2002 - 2004

Role: Co-investigator

Grant Title: Radiofrequency Ablation followed by high dose rate brachytherapy for stage 1A NSCLC

Funding Agency: Valleylab Inc.

Amount: \$30,000

Period: 2004

Role: Co-investigator

Grant Title: MammoSite RTS as the Sole Radiation Therapy technique for Ductal Carcinoma In-Situ (DCIS)

Funding Agency: Proxima

Amount: \$20,375

Period: 2004

Role: Principal Investigator

ASTRO Research Fellowship  
Boron Neutron Capture Therapy

1992-1993  
\$25,000

Phillips/Marconi Research Fellowship  
3-D Modeling of Breast Brachytherapy

2002-2004  
\$35,000