

UNIVERSITY OF MIAMI CURRICULUM VITAE

Arnold M. Markoe, M.D., Sc.D.

I. PERSONAL

2. Arnold M. Markoe, M.D., Sc.D.

3. Office Phone (305) 243-4319

4. Office Fax (305) 243-4363

5. Office Address: 1475 NW 12 Avenue
Miami, FL 33136

6. Current Academic Rank: Professor and Chairman Emeritus

6a. Current Track of Appointment: Tenure

7. Primary Department: Radiation Oncology

8. Secondary or Joint Departmental Appointments:

Professor of Ophthalmology, Anne Bates Leach Eye Hospital/
Bascom Palmer Eye Institute

Professor of Neurological Surgery, University of Miami School of Medicine

9. Citizenship: U.S.

10. Visa Type: N/A

II. HIGHER EDUCATION

11. Institutional

Adelphi College, Garden City, NY
B.A. – Biology, June 1963

The University of Rochester, Rochester NY
Department of Radiation Biology and Physics - M.Sc., June 1966

The University of Pittsburgh, Pittsburgh, PA
Graduate School of Public Health - Sc.D., August 1972

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II. HIGHER EDUCATION

11. Institutional

Hahnemann Medical College and Hospital - School of Medicine, Philadelphia, PA
M.D. – June 1977

Internship: Hahnemann Hospital, Department of Radiation Oncology, Philadelphia, PA
July 1, 1977 - June 30, 1978

Residency: Hahnemann Hospital, Department of Radiation Oncology, Philadelphia, PA
July 1, 1978 – June 30, 1981

12. Non-Institutional: N/A

13. Certification, Licensure: American Board of Radiology

III. EXPERIENCE

14. Academic:

University of Miami School of Medicine, Department of Radiation Oncology

Chairman Emeritus, 2008 – present

Professor and Chairman - 1996 to 2008

Professor of Radiation Oncology (Tenured) 1995 to present

Acting Chairman - August 1994 to February 1996

Professor of Clinical Radiation Oncology - June 1992 to 1995

Clinic Director - September 1989 to 1994

Associate Professor of Clinical Radiation Oncology - September 1989 to May 1992

**Hahnemann University, Department of Radiation Oncology and Nuclear Medicine
Philadelphia, PA**

Associate Professor - July 1985 to August 1989

Director of Clinical Research - July 1981 to August 1989

Co-Director, Radiation Therapy/Gynecologic Oncology Clinic - July 1981 to August 1989

Director of Resident Education, Department of Radiation Oncology –
July 1981 to June 1987

Assistant Professor, Department of Radiation Oncology and Nuclear Medicine
July 1978 to June 1980

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III. *EXPERIENCE*

14. Academic:

Instructor, Department of Radiation Therapy and Nuclear Medicine
July 1978 – June 1980

Albert Einstein College of Medicine
Department of Radiology
Bronx, New York

Research Associate
December 1966 – September 1969

The University of Rochester
Department of Radiation Biology and Biophysics
Rochester NY

Graduate Teaching Assistant
September 1964 – June 1965

Adelphi College
Garden City, NY

Laboratory Teaching Assistant, A.E.C.-N.S.F.
Summer Institute in Radiation Biology
June – August 1963

15. *Hospital Appointments:*

University of Miami Hospital and Clinics
Miami, FL – Attending Physician
3/5/90 – Present

Jackson Memorial Hospital, Miami, Florida
Attending Physician
3/26/90 – Present

Anne Bates Leach Eye Hospital/Bascom Palmer Eye Institute
Miami, Florida – Attending Physician
4/1/90 – Present

University of Miami Medical Group/University of Miami School of Medicine
Miami, FL - Attending Physician
8/22/95 – Present

Veterans Affairs Medical Center, Miami, Florida
5/23/1996 – Present

JFK Medical Center, Atlantis, FL
Medical Doctor/Department of Medicine, Radiation Oncology
3/26/1998 to 6/30/04

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III. **EXPERIENCE**

16. *Non-Academic:*

Brookhaven National Laboratory - Health Physics Division
Upton, NY

Visiting Research Assistant
June 1965 – September 1965

Visiting Research Associate
Health Physics Division
June 1966 – September 1966

17. Military: None

IV. **PUBLICATIONS**

18. Books and Monographs Published

Monographs:

Book Chapters:

Markoe, AM. Ocular and Orbital Tumors. Radiation Oncology. An Evidence-Based Approach. Brady LW, Lu, JJ. Springer-Verlag, 2008.

Cebulla CM, Alegret A, Feun L, **Markoe A**, Hess, DJ, Murray TG. Bilateral Ocular Manifestations of Aggressive Cutaneous Metastatic Melanoma. Retinal Cases and Brief Reports, Vol X, No. X, 2007.

Houdek PV, Schwade JG, Pisciotta V, Wu X, Fiedler JA, Wolf IM, **Markoe AM**, Calish ML, Serago CF, Abitbol AA, Lewin AA, Braunschweiger PG, Sklar MD. The role of CT Simulation in Precision Radiotherapy: University of Miami Experience. In: CT Simulation for Radiotherapy. Jani, SK, Ed. Pp. 73-85. Medical Physics Publishing, Madison WI, 1993.

Markoe AM, Brady LW, Karlsson UL, Shields JA, Augsburger JJ: Eye. In: Principles and Practice of Radiation Oncology, 2nd Ed. Perez CA and Brady LW, Eds. pp. 595-609. J.B. Lippincott Co. 1992

Markoe AM, Brady LW, Grant GD, Shields JA, Augsburger JJ: Radiation Therapy of Ocular Disease. In: Principles and Practice of Radiation Oncology. Perez CA and Brady LW, Eds. Pp. 453-472. JB Lippincott Co., Philadelphia, PA. 1987.

Markoe AM, Saluk PH: Radiation Immunobiology and Immunomodulation. In: *Principles and Practice of Radiation Oncology.* Perez CA and Brady LW, eds. pp. 90-110. J.B. Lippincott Co., Philadelphia, PA. 1987.

Brady LW, Shields JA, Augsburger JJ, Day L. **Markoe AM**, Castro Jr, Suit HD: Radiation Therapy for Malignant Intraocular Tumors. In: Diagnostic Imaging in Ophthalmology. Eds. Gonzalez CF, Necker MH, Flanagan JC. 343-357. Springer-Verlag, New York, 1985.

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IV. **PUBLICATIONS**

18. Books and Monographs Published

Book Chapters:

Markoe AM. Radiation Oncologic Emergencies. In: Principles and Practices of Radiation Oncology. Perez CA and Brady LW, eds. Pp. 1267-1270. JB Lippincott Co., Philadelphia, PA. 1987

Markoe AM, Brady LW: Extranodal Lymphomas. In: Gilbert HA, ed. Modern Radiation Oncology Vo l2, 362-381. Harper & Row, Philadelphia, 1984.

Brady LW, Shields JA, Augsburger JJ, Day L, **Markoe AM,** Castro Jr, Suit HD: Radiation Therapy for Malignant Intraocular Tumors. In: Diagnostic Imaging in Ophthalmology. Eds. Gonzalez CF, Necker MH, Flanagan JC. 343-357. Springer-Verlag, New York, 1985.

Markoe AM, Brady LW: Extranodal Lymphomas. In: Gilbert HA, ed. Modern Radiation Oncology. Vol 2, 362-381. *Harper & Row, Philadelphia, 1984.*

Markoe AM, Brady LW, Emrich J, Fala S, AuYang R: 5-thio-D-glucose as a radiation sensitizer in hamster pancreatic carcinoma and mouse lung carcinoma models. A preliminary report. In: Brady LW, ed. Radiation Sensitizers, Their Use in the Clinical Management of Cancer. 282-286. Masson Pub USA, Inc. New York, 1983.

Markoe AM, Saluk PH. Combined Effects of Radiation and Chemotherapy on the Lymphohemopoietic System with Special Reference to the Immune Response. (monograph) In: Vaeth JM, ed. Combined Effects of Chemotherapy and Radiotherapy on Normal Tissue Tolerance. Basel, Karger, 1979.

Risch VR, **Markoe AM,** Honda T: The pharmacology and preclinical evaluation of new radiopharmaceuticals. In: Heindel ND, Burns HD, Honda T, Brady LW, eds. *The chemistry of radiopharmaceuticals*. Masson Pub USA, Inc. New York, 123-154, 1978.

Schiffer LM, **Markoe AM,** Nelson JSR: Evaluation of the PDP Index as a Monitor of Growth Fraction During Tumor Therapy. In: *The Cell Cycle in malignancy and immunity*. 13th Hanford Biol Symp USERDA, 1975, pp. 459-472.

19. **Juried or Refereed Journal Articles and Exhibitions:**

Wykoff WC, Murray TG, Markoe AM, Feun LG, Scheffler AC, Gayer S. Preoperative Evaluation for patients with Choroidal/Ciliary Body Melanomas: What is Necessary? *Am. Journal of Ophthalmology*. Vol. 151, No. 6, pp 921-924. Jan 2011

Pina Y, Boutrid H, Murray TG, Quintero Wolfe S, Scheffler A, Houston SK, Moftakhar R, Fernandes C, Reichbach J, Aziz HA, **Markoe AM,** Aziz-Sultan, MA. Ophthalmic vasculature alterations following systemic chemotherapy and periocular carboplatin treatment of advanced retinoblastoma. *J of pediatric Ophthalmology and Strabismus*. Sept 2010, Vol. 47, No. 5:1-5..

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IV. **PUBLICATIONS**

19 Juried or Refereed Journal Articles and Exhibitions:

Michalski JM, Bae K, Roach M, **Markoe AM**, Sandler HM, Ryu J, Parliament MB. Long term toxicity following 3D conformal radiation therapy for prostate cancer from the RTOG 9406 phase I/II dose escalation study. *Int. J. Rad. Onc.. Biol. Phys.* 76(1):14-22, Jan 2010

Scheffler Amy C, Murray Timothy G, **Markoe Arnold M.** Radiotherapy in Ocular Oncology:Advances in Brachytherapy. *Retinal Physicin* 10:11, pp.16-20. July 2009

Wolfson AH. Winter K, Crook W, Krishan A, Grigsby PW, **Markoe AM**, Morris M. Gaffney DK, Eifel PJ, Lucci, JA 3rd. Are increased tumor aneuploidy and heightened cell proliferation along with heterogeneity associated with patient outcome for carcinomas of the uterine cervix? A combined analysis of subjects treated on RTOG 9001 and a single-institution trial. *Int. J. Rad. Onc.. Biol. Phys.* 70(1):111-7. Jan. 2008

Marshall R. Posner,M.D., Diane M. Hershock, M.D., Ph.D., Cesar R. Blajman, M.D., Elizabeth Mickiewicz, M.D., Eric Winqvist, M.D., Vera Gorbounova, M.D., Sergei Tjulandin, M.D., Dong M. Shin, M.D., Kevin Cullen, M.D., Thomas J. Ervin, M.D., Barbara A. Murphy, M.D., Luis E. Raez, M.D., Roger B. Cohen, M.D., Monica Spaulding, M.D., Roy B. Tishler, M.D., Ph.D., Berta Roth, M.D., Rosana del Carmen Viroglio, M.D., Varagur Venkatesan, M.B., B.S., Ilya Romanov, M.D., Ph.D., Sanjiv Agarwala, M.D., K. William Harter, M.D., Matthew Dugan, D.O., Anthony Cmelak, M.D., **Arnold Markoe, M.D., Sc.D.**, Paul W. Read, M.D., Ph.D., Lynn Steinbrenner,M.D., A. Dimitrios Colevas, M.D., Charles M. Norris Jr., M.D., Robert I. Haddad, M.D. for the TAX 324 Study Group). A Phase III Trial of Docetaxel, Cisplatin and 5-Fluorouracil versus Cisplatin and 5-Fluorouracil Induction Chemotherapy followed by Chemoradiotherapy in Patients with Locally Advanced Squamous Cell Carcinoma of the Head and Neck. *New England Journal of Medicine* 357(17):1705-15, 2007

Biagioli MC, Harvey M, Roman E, Raez L, Wolfson A, Mutyala S, **Markoe A.** Intensity Modulated Radiotherapy (IMRT) with Concurrent Chemotherapy for Previously Irradiated Recurrent Head and Neck Cancers. *Int. J.Rad. Onc. Bio. Phys.* 69(4):1067-73, Nov. 2007.

Wu X, Fu D, De La Zerda A, Bossart E, Shao H, Both J, Nikesch W, Huang Z, **Markoe A.M.**, Schwade J.G.: Patient Alignment and Target Tracking in Radiosurgery of Soft-Tissue Tumors Using Combined Fiducial and Skeletal Structures Tracking Techniques. *In: Robotic Radiosurgery Volume II: Cyberknife Society Press, 2007.*

Feun Lynn G., Marini Angela, Landy Howard, **Markoe Arnold**, Heros Deborah, Robles, Carlos, Herrera Cristina, Savaraj Niramol. Clinical trail of CPT-11 and VM-26/VP-16 for patients with recurrent malignant brain tumors. *J Neurooncol* 82(2): 177-81 Apr. 2007.

Abdel-Wahab M. Etuk B. Palermo J. Shirato H. Kresl J. Yapicier O. Walker G. Scheithauer BW. Shaw E. Lee C. Curran W. Thomas T. **Markoe A.** Spinal cord gliomas: A multi-institutional retrospective analysis. [Journal Article. Multicenter Study] *International Journal of Radiation Oncology, Biology, Physics.* 64(4):1060-71, 2006 Mar 15.

Abdel-Wahab M. Berkey BA. Krishan A. O'Brien T. Hammond E. Roach M 3rd. Lawton C. Pilepich M. **Markoe A.** Pollack A. Influence of number of CAG repeats on local control in the RTOG 86-10 protocol. [Journal Article. Research Support, Non-U.S. Gov't] *American Journal of Clinical Oncology.* 29(1):14-20, 2006 Feb.

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IV. **PUBLICATIONS**

19. Juried or Refereed Journal Articles and Exhibitions:

Rosado MF, Byrne GE Jr, Ding F, Fields KA, Ruiz P, Dubovy SR, Walker GR, **Markoe A**, Lossos IS. Ocular adnexal lymphoma: a clinicopathologic study of a large cohort of patients with no evidence for an association with Chlamydia psittaci. [Journal Article. Research Support, N.I.H., Extramural. Research Support, Non-U.S. Gov't] *Blood*. 107(2):467-72, 2006 Jan 15.

Abitbol A., Abdel-Wahab M, Harvey M, Lewin A, Troner M, Hamilton-Nelson K, Wu J, **Markoe A**. Phase II study of tolerance and efficacy of hyperfractionated radiation therapy and 5-fluorouracil, cisplatin and paclitaxel and amifostine in head and neck squamous cell carcinomas: A-3 protocol. *American Journal of Clinical Oncology*. 28(5):449-55. Oct. 2005

Miller Daniel, Murray Timothy G, Cicciarelli Nicole L., Capo Hilda, **Markoe Arnold M**. Pars plana lensectomy and intraocular lens implantation in pediatric radiation-induced cataracts in retinoblastoma. *Ophthalmology*. Vol.112(9):1620-1624. Sept. 2005.

Miller Daniel, Murray Timothy G, Cicciarelli Nicole L., Capo Hilda, **Markoe Arnold M**. Pars plana Abdel-Wahab May, Abitbol Andre, Lewin Alan, Troner Michael, Hamilton Kara, **Markoe Arnold**. Quality of life assessment after hyperfractionated radiation therapy and 5-fluorouracil, Cisplatin and Paclitaxel (Taxol) in inoperable and/or unresectable head and neck squamous cell carcinoma. *American Journal of Clinical Oncology*. Vol 28(3): 1-8, 2005.

Landy Howard, Feun Lynn, **Markoe Arnold**, Patchen Sherri, Bruce, Joy, Marcus, Justin, Levi Allan. Extended remission of a recurrent median nerve malignant peripheral nerve sheath tumor after multimodal treatment. Case report. *J. Neurosurg*, Vol. 103(4): 760-763. Oct. 2005.

Sobrin L., Schiffman JC, **Markoe AM**, Murray TG. Outcomes of iodine 125 plaque radiotherapy after initial observation of suspected small choroidal melanomas: a pilot study. *Ophthalmology*. 112(10):1777-83, Oct. 2005

Miller DM, Murray TG, Cicciarelli NL, Capo H. **Markoe AM**. Pars plana lensectomy and intraocular lens implantation in pediatric radiation-induced cataracts in retinoblastoma. *Ophthalmology*. 112(9):1620-4, Sept. 2005

Landy HJ, **Markoe AM**, Wu X, Patchen SJ, Reis IM, Takita C, Abdel-Wahab MM, Wen BC, Wolfson AH, Huang DT. Safety and efficacy of tiered limited-dose gamma knife stereotactic radiosurgery for unilateral acoustic neuroma. *Stereotactic and Functional Neurosurgery*. 82(4):147-52, 2004.

Landy H, **Markoe A**, Potter P, Lasalle G, Marini A, Savaraj N, Reis I, Heros D, Wangpaichitr M, Feun L. Pilot study of estramustine added to radiosurgery and radiotherapy for treatment of high grade glioma. *Journal of Neuro-Oncology*. 67(1-2):215-20, Mar. – Apr. 2004.

Michalski JM, Winter K, Purdy JA, Perez CA, Ryu JK, Parliament MB, Valicenti RK, Roach M 3rd, Sandler HM, **Markoe AM**, Cox JD. Toxicity after three-dimensional radiotherapy for prostate cancer with RTOG 9406 dose level IV. *International Journal of Radiation Oncology, Biology, Physics*. 58(3):735-42, Mar. 2004.

Sobrin L, Hayden BC, Murray TG, Cicciarelli N, Scott IU, Hernandez E, Wu X, **Markoe AM**, Feuer W, Fulton L, O'Brien JM. External beam radiation "salvage" therapy in transgenic murine retinoblastoma. *Arch Ophthalmology*, Vol. 122(2), Feb. 2004. P. 251-257

Arnold M. Markoe, M.D., Sc.D.

IV. **PUBLICATIONS**

19 Juried or Refereed Journal Articles and Exhibitions:

Raja D. Benz MS., Murray TG, Escalona-Benz EM, **Markoe A.** Salvage external beam radiotherapy of retinal capillary hemangiomas secondary to von Hippel-Lindau disease: Visual and anatomic outcomes. *Ophthalmology* 111(1):150-3, Jan 2004.

Abdel-Wahab M., Krishan A., Milikowski C, Wahab AA, Walker G, **Markoe A.** Androgen receptor antigen density and S-phase fraction in prostate cancer: a pilot study. *Prostate Cancer and Prostatic Diseases*. 6(4):294-300, 2003

Wolfson AH, Wu X, Takita C, Shao H, Luo C, Watzich M, Diaz D, Walker GR, Patino-Flynn VT, **Markoe AM.** A novel applicator for low-dose-rate brachytherapy of gynecological cancers. *International Journal of Gynecological Cancer*. 13(4):532-40, Jul-Aug 2003

Scott IU, McCabe CM, Murray TG, Rosa RH Jr., Toledano S. **Markoe AM.** Eyelid and scleral necrosis following bare iridium-192 seed for retinoblastoma. *Ophthalmic Surgery, Lasers & Imaging*. 34(4):324-6, Jul-Aug. 2003.

Sussman DA, Escalon-Benz E., Benz MS, Hayden BC, Feuer W, Cicciarelli N, Toledano S. **Markoe A,** Murray TG. Comparison of retinoblastoma reduction for chemotherapy vs. external beam radiotherapy. *Arch of Ophthalmology*. 121(7): 979-84, Jul 2003.

Michalski JM, Winter K, Purdy JA, Wilder RB, Perez CA, Roach M, Parliament MB, Pollack A, **Markoe AM,** Harms W, Sandler HM, Cox JD. Preliminary evaluation of low-grade toxicity with conformal radiation therapy for prostate cancer on RTOG 9406 dose levels I and II. *International Journal of Radiation Oncology, Biology, Physics*. 56(1):192-8, May 2003

Ryu JK, Winter K, Michalski JM, Purdy JA, **Markoe AM,** Earle JD, Perez CA, Roach M 3rd, Sandler HM, Pollack A, Cox JD. Interim report of toxicity from 3D conformal radiation therapy (3D-CRT) for prostate cancer on 3DOG/RTOG 9406, level III (79.2 Gy). *International Journal of Radiation Oncology, Biology, Physics*. 54(4):1036-46, Nov. 2002.

Abitbol A, Abdel-Wahab M, Lewin A, Troner M, Rodrigues MA, Hamilton-Nelson KL, **Markoe A.** Phase II study of tolerance and efficacy of hyperfractionated radiotherapy and 5-fluorouracil, cisplatin, and paclitaxel (Taxol) in stage III and IV inoperable and/or unresectable head-and-neck squamous cell carcinoma: A-2 protocol. *International Journal of Radiation Oncology, Biology, Physics*. 53(4):942-7, 2002.

Abdel-Wahab M, Wolfson A, Ossi P, Raub W, **Markoe A.** University of Miami experience using one versus two intracavitary brachytherapy implants. *American Journal of Clinical Oncology* 25(3): 313-7, 2002.

Michalski JM, Winter K. Purdy JA, Wilder R, Perez CA, Roach M, Parliament M, Pollack A, **Markoe A,** Harms WB, Sandler H, Cox JD. Trade-off to low-grade toxicity with conformal radiation therapy for prostate cancer on Radiation Therapy Oncology Group 9406. *Seminars in Radiation Oncology*. 12(1 suppl 1):75-80, Jan. 2002

Lu JJ, Bains YS, Abdel-Wahab M, Brandon AH, Wolfson AH, Raub WA, Wilkinson CM, **Markoe AM.** High-Dose Rate Remote Afterloading Intracavitary Brachytherapy for the Treatment of Extrahepatic Biliary Duct Carcinoma. *Cancer Journal* 8(1):74-8, 2002.

Arnold M. Markoe, M.D., Sc.D.

IV. **PUBLICATIONS**

19 Juried or Refereed Journal Articles and Exhibitions:

Hayden BC, Murray TG, Cicciarelli N, Scott IU, Alexandridou A, Hernandez E, Wu X, **Markoe AM**, Feuer W, Fulton L, O'Brien JM. Hyperfractionated external beam radiation therapy in the treatment of murine transgenic retinoblastoma. *Archives of Ophthalmology* 120(3):353-9, 2002.

Wolfson AH, Bains Y, Lu J, Etuk B, Sridhar K, Raub W. **Markoe A**. Twice-daily prophylactic cranial irradiation for patients with limited disease small-cell lung cancer with complete response to chemotherapy and consolidative radiotherapy: report of a single institutional phase II trial. *American Journal of Clinical Oncology* 24(3):290-5, 2001.

Olsen DL, Raub W. Jr., Bradley C., Johnson M. Macias JL, Love V, **Markoe A**. The Effect of Aloe Vera Gel/Mild Soap Versus Mild Soap Alone in Preventing Skin Reactions in Patients Undergoing Radiation Therapy. *Oncology Nursing Forum*. 28(3):543-7, 2001 Apr.

Karfan Dbaja MA, Morgenszter D, **Markoe AM**, Bartlett-Pandite L. Radiation Recall Dermatitis Induced by Methotrexate in a Patient with Hodgkin's Disease. *American Journal of Clinical Oncology*. 23(5):531-3, 2000

Landy Howard J, Lee Thomas T, Potter Priscilla, Feun Lynn, **Markoe A**. Early MRI Findings in High Grade Glioma. *J of Neuro-Oncology* 47:65-72, 2000.

Tabandeh H, Chaudhry NA, Murray TG, Ehliès F, Hughes R, Scott IU, **Markoe AM**. Intraoperative Echographic Localization of Iodine-125 Episcleral Plaque for Brachytherapy of Choroidal Melanoma. *American Journal of Ophthalmology*. 129(2):199-204, 2000.

Michalski JM, Purdy JA, Winter K, Roach M3rd, Vijayakumar S, Sandler HM, **Markoe AM**, Ritter MA, Russell KJ, Sailer S, Harms WB, Perez CA, Wilder RB, Hanks GE, Cox JD. Preliminary Report of Toxicity Following 3D Radiation Therapy for Prostate Cancer on 3DOG/RTOG 9406. *International Journal of Radiation Oncology, Biology, Physics* 46(2):391-402, 2000.

Abdel-Wahab M, Corn B, Wolfson A, Raub W, Gaspar LE, Curran W, Bustillo P, Rubinton P, **Markoe A**. Prognostic Factors and Survival in Patients with Spinal Cord Gliomas after Radiation Therapy. *American Journal of Clinical Oncology*. 22(4)344-51, 1999.

Scott IU, MPH; Murray TG, M.D.; Feuer WJ, MS; Van Quill K; **Markoe AM**, M.D., Sc.D.; Ling S, M.D.; Roth DB, M.D.; O'Brien JM, M.D. External Beam Radiotherapy in Retinoblastoma. Tumor Control and Comparison of Two Techniques. *Archives of Ophthalmology*, June 1999, Vol 117, pp 766-770.

Yang CC, Ting JY, **Markoe A**, Bova FJ, Mendenhall WM, Friedman WA. A Comparison of 3-D Correlation Methods for Fractionated Stereotactic Radiotherapy. *Int. J. Rad. Onc. Biol. Phys.* 43(3):663-70, February 1999.

Ting JY, Wolfson AH, Wu X, Fiedler JA, Abdel –Wahab M, Yang CC, Watzich M, **Markoe AM**. Bladder and Rectal Doses from External Beam Boosts after Gynecologic Brachytherapy. *Radiology* 209(3):825-30, December 1998.

Yang CC, Ting J, Wu X, **Markoe A**. Dose Volume Histogram Analysis of the Gamma Knife Radiosurgery Treating Twenty-Five Metastatic Intracranial Tumors. *Stereotactic and Functional Neurosurgery*. 70 Suppl 1:41-9, October 1998.

Arnold M. Markoe, M.D., Sc.D.

IV. **PUBLICATIONS**

19 Juried or Refereed Journal Articles and Exhibitions:

Linzer D, Ling SM, Villalobos H, Raub W Jr., Wu X, Ting J, Berti A, Landy H. **Markoe AM.** Gamma Knife Radiosurgery for Large Volume Brain Tumors: An Analysis of Acute and Chronic Toxicity. *Stereotactic and Functional Neurosurgery.* 70 Suppl 1:11-8, October 1998.

Wolfson AH, Benedetto PW, Mnaymneh W, Moffat FL, Robinson D, Boyer C Raub WA, Jr., Duncan RC, **Markoe AM.** Does a Radiation Dose-Response Relation Exist Concerning Survival of Patients Who Have Soft-Tissue Sarcomas of the Extremities? Radiation Dose-Response Relation for Soft-Tissue Sarcomas. *Am. J Clin Oncol* 21(3):270-4. June 1998

Abdel-Wahab M, Wolfson A, Raub W, Mies C, Brandon A, Morrell L, Lee Y, Ling S, **Markoe A.** The Importance of Post Operative Radiation Therapy in Multimodality Management of Locally Advanced Breast Cancer: A Phase II Trial of Neoadjuvant MVAC, Surgery and Radiation. *Int. J of Rad Onc Biol Phys.* 40(4):875-80, March 1998.

Braunschweiger PG, Basrur VS, Cameron D, Sharpe L, Santos O, Perras JP, Sevin BU, **Markoe AM.** Modulation of cisPlatin Cytotoxicity by Interleukin-1 Alpha and Resident Tumor Macrophages. *Biotherapy* 10(2):129-37, 1997.

Ting JY, Wu X, Fiedler JA, Yuang C, Watzich ML, **Markoe A.** Dose-Volume Histograms for Bladder and Rectum. *Int J of Clin Onc Biol Phys* 38(5):1105-11, July 1997.

Donahue B, Scott DB, Nelson JS, Rotman M, Murray KJ, Nelson DF, Banker FL, Earle JD, Fischbach JA, Asbell SO, Gaspar LE, **Markoe AM,** Curran W. Influence of an Oligodendroglial Component on the Survival of Patients with Anaplastic Astrocytomas: A Report of Radiation Therapy Oncology Group 83-02. *Int J of Rad Onc Biol Phys.* 38(5):911-4, July 1997.

Abitbol AA, Sridhar KS, Lewin AA, Schwade JG, Raub W, Jr, Wolfson A, Gonzalez-Angulo C, Adessa A, Goodwin WJ, **Markoe AM.** Hyperfractionated Radiation Therapy and 5-Fluorouracil, Cisplatin, and Mitomycin-C in the Treatment of Patients with Locally Advanced Head and neck Carcinoma. *Cancer* 80(2):266-76, July 1997.

Abdel-Wahab MM, Wolfson AH, Raub W, Landy H, Feun L, Sridhar K, Brandon AH, Mahmood S, **Markoe AM.** The Role of Hyperfractionated Re-irradiation in Metastatic Brain Disease: A Single Institutional Trial. *Am J of Clin Oncol.* 20(2):158-60, April 1997.

Wolfson AH, Abdel-Wahab M, **Markoe AM,** Raub WJ, Jr, Diaz D, Desmond JJ. Ting JY. A Quantitative Assessment of Standard vs. Customized Midline Shield Construction for Invasive Cervical Carcinoma. *Int. J. of Rad. Onc Biol Phys.* 37(1):237-42, 1997.

Wu X, Ting JY, **Markoe AM,** Landy HJ, Fiedler JA, Russel J. Stereotactic Dose Computation and Plan Optimization Using the Convolution Theorem I. Dose Computation. *Stereotactic and Functional Neurosurgery.* 66 Suppl 1:302-8, 1996.

Murray TG, Roth DB, O'Brien JM, Feuer W, Cicciarelli N, **Markoe AM,** Hernandez E, Smith BJ, Windle JJ. Local Carboplatin and Radiation Therapy in the Treatment of Murine Transgenic Retinoblastoma. *Arch of Ophthalmology.* 114(11):1385-9, November 1996.

Murray TG, O'Brien JM, Steeves RA, Smith BJ, Albert DM, Cicciarelli N, **Markoe AM,** Tompkins DT, Windle JJ. Radiation Therapy and Ferromagnetic Hyperthermia in the Treatment of Murine Transgenic Retinoblastoma. *Arch of Ophthalmology.* 114(11):1376-81, 1996

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IV. **PUBLICATIONS**

19. Juried or Refereed Journal Articles and Exhibitions:

Murray TG, O'Brien JM, Cicciarelli N, Smith BJ, Hernandez E, Windle JJ, Ksander B, **Markoe AM**. Ocular Ferromagnetic Hyperthermia, External Beam Radiotherapy, and Focal Chemotherapy in the Treatment of Murine Retinoblastoma. (Proceeding of the 7th International Congress on Hypothermic Oncology. Rome, Italy, April 9-13, 1996). Hypothermic Oncology 1996. Vol. II, pp. 811-813. Editografica srl. Rome, 1996.

Harbour JW, Murray TG, Byrne SF, Hughes JR, Gendron EK, Ehlied FJ, **Markoe AM**. Intraoperative Echographic Localization of Iodine 125 Episcleral Radioactive Plaques for Posterior Uveal Melanoma. *Retina* 16(2):129-34, 1996.

Feun LG, Raub WA, Jr., Landy HJ, Green B, Wolfson A, **Markoe A**. Retrospective Epidemiologic Analysis of Patients Diagnosed with Intracranial Meningioma from 1977 to 1990 at the Jackson Memorial Hospital, Sylvester Comprehensive Cancer Center: The Jackson Memorial Hospital Tumor Registry Experience. *Cancer Detection and Prevention* 20(2):166-70, 1996.

Hernandez JC, Brady LW, Shields JA, Shields CL, DeP Potter P, Karlsson UL, **Markoe M**, Amendola BE, Singh A. External Beam Radiation for Retinoblastoma: Results, Patterns of Failure, and a Proposal for Treatment Guidelines. *Int. J of Rad Onc Biol Phys.* 35(1):125-32, 1996.

Abitbol AA, Wolfson AH, Lewin AA, Houdek PV, Laufer KA, Brandon AH, Ting JY, Raub WA, Jr., Averette HE, Sevin BU, **Markoe AM**. Management of Stage I-B, II-A, and II-B Carcinoma of the Cervix with High-Dose-Rate Brachytherapy: Initial Results of an Institutional Clinical Trial. *Amer J of Clin Onc* 19(3):223-8, June 1996.

Braunschweiger PG, Basrur V, Santos O, Adessa A, Houdek P, **Markoe AM**. Radioresistance in Murine Solid Tumors Induced by interleukin-1. *Radiation Research* 145(2):150-6, February 1996. Wu X, Ting JY, **Markoe AM**, Landy HJ, Fiedler JA, Russell J. Stereotactic Dose Computation and Plan Optimization Using the Convolution Theorem. *Stereotact Funct Neurosurg.* 66(suppl 1):302-308, 1996. (Proc 7th Int. meeting Leksell Gamma Knife Society, Lana'i Hawii, 11/95)

Markoe AM. Time-dose Relationships and Brachytherapy in Radiation Oncology of Head and Neck Cancer. *Current Opinion in Otolaryngology and Head and Neck Surgery.* 3:95-98, 1995.

Snodgrass SM, Landy H, **Markoe AM**, Feun L. Neurologic Complications of Merkel Cell Carcinoma. *J of Neuro-Oncology.* 22(3):231-4, 1994.

Landy HJ, Schwade JG, Houdek PV, **Markoe AM**, Feun L. Long-Term Follow-Up of Gliomas Treated with Fractionated Stereotactic Irradiation. *Acta Neurochirurgica-Supplementum.* 62(67-71), 1994.

Ardalan B, Ucar A, Reddy R, Livingstone AS, **Markoe A**, Schwade J, Richman SP, Donofrio K. Phase I Trial of Low Dose N-Phosphonacetyl-L-Aspartic Acid and High Dose 5-Fluorouracil Administered Concomitantly with Radiation Therapy for Unresectable Localized Adenocarcinoma of the Pancreas. *Cancer* 74(7):1869-73, October 1994.

Arnold M. Markoe, M.D., Sc.D.

IV. **PUBLICATIONS**

19. Juried or Refereed Journal Articles and Exhibitions:

Feun LG, Raub WA, Jr., Duncan RC, Moffat F, Savaraj N, Nemeth A, **Markoe A**, Trapido E., Melanoma in a Southeastern Hispanic Population. *Cancer Detection and Prevention* 18(2):145-52, 1994.

Wolfson AH, Snodgrass SM, Schwade JG, **Markoe AM**, Landy H, Feun LG, Sridhar KS, Brandon AH, Rodriguez M, Houdek PV. The Role of Steroids in the Management of Metastatic Carcinoma to the Brain. A Pilot Prospective Trial. *Am J of Clin Onc.* 17(3):234-8, June 1994.

Wolfson AH, Wolfson DJ, Sittler SY, Breton L, **Markoe AM**, Schwade JG, Houdek PV, Averette HE, Sevin BU, Penalver M, et al. A Multivariate Analysis of Clinicopathologic Factors for Predicting Outcome in uterine Sarcomas. *Gynecologic Oncology.* 52(1):56-62, January 1994

Yang CM, Olsen KR, Schwade JG, Houdek PV, **Markoe AM**, Piscotta V, Wu X. Dose Rate Effect of 125I Irradiation on Normal Rabbit Eyes and Experimental Choroidal Melanoma. *Experimental Eye Research.* 57(5):577-85, November 1993.

Sridhar KS, Thurer RJ, **Markoe AM**, Chatoor HT, Fountzilias G, Raub WJ, Savaraj N, Beattie EJ. Multidisciplinary Approach to the Treatment of Locally and Regionally Advanced Non-Small Cell Lung Cancer: University of Miami Experience. *Seminars in Surgical Oncology.* 9:114-9, 1993.

Braunschweiger PG, Basrur VS, Santos O, **Markoe AM**, Houdek PV, Schwade JG,. Synergistic Antitumor Activity of Cisplatin and Interleukin 1 in Sensitive and Resistant Solid Tumors. *Cancer Research.* 53(5):1091-7, March 1993.

Raub WA Jr., Feun LG, Duncan RC, Moffat F, Savaraj N, Nemeth A, **Markoe A**. Descriptive Analysis of the Tumor Registry Experience for Malignant Melanoma from 1977 to 1986 at the University of Miami School of Medicine/Jackson Memorial Hospital. *Cancer Detection and Prevention* 16(3):193-201, 1992

Houdek PV, Schwade JG, Wu X, Pisciotta V, Fiedler JA, Serago CF, **Markoe AM**, Abitbol AA, Lewin AA, Braunschweiger PG, et al. Dose Determination in High Dose-Rate Brachytherapy. *Int. J of Rad Onc Biol Phys.* 24(4):795-801, 1992.

Wolfson AH, Sigtler SE, **Markoe AM**, Schwade JG, Averette HE, Ganjei P, Hilsenbeck SG. The Prognostic Significance of Surgical Staging for Carcinoma of the Endometrium. *Gynecologic Oncology.* 45(2):142-6, May 1992.

Abitbol AA, Schwade JG, Lewin AA, Sridhar K, Brandon AH, **Markoe AM**, Casiano RR, Houdek PV, Serago C, Miller DJ, et al. Hyperfractionated Radiation Therapy and concurrent 5-Fluorouracil, Cisplatin and Mitomycin-C in Head and Neck Carcinoma. A Pilot Study. *Am J of Clin Onc.* 15(3):250-5, June 1992.

Houdek PV, Schwade JG, Serago CF, Landy HJ, Pisciotta V, Wu XD, **Markoe AM**, Lewin AA, Abitbol AA, Bujnowski JL, et al. Computer Controlled Stereotaxic Radiotherapy System. *Int. J of Rad Onc Biol Physc.* 22(1):175-80, 1992.

Arnold M. Markoe, M.D., Sc.D.

IV. **PUBLICATIONS**

19. Juried or Refereed Journal Articles and Exhibitions:

Houdek PV, Schwade JG, Abitbol AA, Pisciotta V, Wu XD, Serago CF, **Markoe AM**, Lewin AA, Averette HE, Sevin BU, et al. Optimization of High Dose-Rate Cervix Brachytherapy; Part I: Dose Distribution. *Int J of Rad Onc Biol Physc.* 21(6):1621-5, 1991.

Miyamoto CT, Brady LW, **Markoe A**, Salinger D. Ameloblastomas of the Jaw. Treatment with Radiation Therapy and a Case Report. *Am J of Clin Onc.* 14(3):225-30, June 1991.

Markoe AM, Serber W, Micaily B, Brady LW. Radiation Therapy for Adjunctive Treatment of Adrenal Cortical Carcinoma. *Am J of Clin Onc.* 14(2):170-4, April 1991.

Brady LW, **Markoe AM**, Woo DV, Rackover MA, Koprowski H, Steplewski Z, Peyster RG. Iodine 125 Labeled anti-epidermal Growth Factor Receptor-425 in the Treatment of Malignant Astrocytomas. A pilot Study. *J of Neurosurgical Sciences* 34(3-4):243-9, 1990.

Micaily B, Moser C, Vonderheid EC, **Markoe A**: The Radiation of Early Stage Cutaneous T-Cell Lymphoma. *Int J Rad Onc Biol Phys* 18(6):1333-39, 1990.

Amendola BE, Lamm FR, **Markoe AM**, Karlsson UL, Shields J, Shields CL, Augsburger J, Brady LW, Woodleigh R, Miller C. Radiotherapy of Retinoblastoma. A Review of 63 Children Treated with Different Irradiation Techniques. *Cancer* 66(1):21-6, 1990.

Brady LW, **Markoe AM**, Woo DV. The Present and Future Role of Monoclonal Antibodies in the Management of Cancer. *Frontiers of Rad Therapy and Oncology.* 24:247-59, 1990.

Markoe AM, Brady LW, Woo D, Amendola B, Karlsson U, Fisher S, Micaily B, Rackover M, Bulova S, Steplewski A, et al. Treatment of Gastrointestinal Cancer Using Monoclonal Antibodies. *Frontiers of Radiation Therapy and Oncology.* 24:214-24; discussion 225-7, 1990.

Brady LW, **Markoe AM**, Woo DV, Amendola BE, Karlsson UL, Rackover MA, Koprowski H, Steplewski Z, Peyster RG. Iodine-125-Labeled Anti-Epidermal Growth Factor Receptor-425 in the Treatment of Glioblastoma Multiforme. A Pilot Study. *Frontiers of Rad Therapy and Onc.* 24:151-60; discussion 161-5, 1990.

Amendola BE, Brady LW, Woo D, **Markoe AM**, Miyamoto C, Rackover M, Bulova S, Steplewski Z, Koprowski H. Monoclonal Antibodies in the Treatment of Metastatic Carcinoma to the Liver: Report of a Pilot Study Including Leukopheresis. *Am J of Clin Onc* 13(2):144-7, April 1990.

Brady LW, **Markoe AM**, Micaily B, Fisher SA, Lamm FR. Innovative Techniques in Radiation Oncology. Clinical Research Programs to Improve Local and Regional Control in Cancer. *Cancer* 65(suppl 3):610-24, February 1990.

Markoe AM, Brady LW, Swartz C, Campbell O, Antoniadis K. Radiation Effects on Renal Function. *Frontiers of Radiation Therapy and Oncology.* 23:310-22, 1989.

Brady LW, Shields J, Augsburger J, **Markoe A**, Karlsson UL. Complications from Radiation Therapy to the Eye. *Frontiers of Radiation Therapy and Oncology* 23:238-50, 1989.

Arnold M. Markoe, M.D., Sc.D.

IV. **PUBLICATIONS**

19. Juried or Refereed Journal Articles and Exhibitions:

Seegenschmiedt HM, Karlsson UL, Sauer R, Brady LW, Jr., Herbst M, Amendola BE, **Markoe AM**, Fisher SA, Micaily B. Superficial Chest Wall Recurrences of Breast Cancer: Prognostic Treatment Factors for Combined Radiation Therapy and Hyperthermia. *Radiology* 173(2):551-8, November 1989.

Amendola BE, **Markoe AM**, Augsburger JJ, Karlsson UL, Gibling M, Shields JA, Brady LW, Woodleigh R. Analysis of Treatment Results in 36 Children with Retinoblastoma Treated by Scleral Plaque Irradiation. *Int J of Rad Onc Biol Phys.* 17(1):63-70, July 1989.

Shields CL, Shields JA, Karlsson U, **Markoe AM**, Brady LW. Reasons for Enucleation After Plaque Radiotherapy for Posterior Uveal Melanoma. Clinical Findings. *Ophthalmology* 96(6):919-23: discussion 924, June 1989.

Shields JA, Giblin ME, Shields CL, **Markoe AM**, Karlsson U, Brady LW, Amendola BE, Woodleigh R. Episcleral Plaque Radiotherapy for Retinoblastoma. *Ophthalmology.* 96(4):530-7, April 1989.

Karlsson UL, Augsburger JJ, Shields JA, **Markoe AM**, Brady LW, Woodleigh R. Recurrence of Posterior Uveal Melanoma after 60Co Episcleral Plaque Therapy. *Ophthalmology* 93(3):382-8, March 1989.

Brady LW, **Markoe AM**, Wood DV: The Present and Future Role of Monoclonal Antibodies in the Management of Cancer. Summary. *Front Radiat Ther Oncol.* 24:247-259, 1989.

Markoe AM, Brady LW, Woo DV, Amendola B, et al: Treatment of Gastro-intestinal Cancer using Monoclonal Antibodies. *Front Radiat Ther Oncol.* 24:214-225, 1989.

Brady LW, **Markoe AM**, Woo DV, Amendola BE, et al: Iodine-125 labeled Antiepidermal Growth Factor Receptor-425 in the Treatment of Glioblastoma Multiforme: A Pilot Study. *Front Radiat Ther Oncol* 24:151-161, 1989.

Brady LW, **Markoe AM**, Amendola BE, Karlsson UL, Micaily B, Shields JA, Augsburger JJ. The Treatment of Primary Intraocular Malignancy. *The Int J Rad Onc Biol Phys* 15(6):1355-61, 1988.

Brady LW, **Markoe AM**, Fisher SA, Micaily B: Cancer Cure with Organ preservation Using Radiation Therapy. *Acta Oncologica* 27(3):195-202, 1988.

Brady LW, **Markoe AM**, DeEulis T, Lewis GC Jr. International Clinical Trails in Radiation Oncology. Gynecology: Combined Radiotherapy and Chemotherapy in Gynecologic Oncology. *Int J Rad Onc Biol Phy* 14 suppl 1:S203-209, 1988.

Woo DV, **Markoe AM**, Brady LW, Koprowski C, Koprowski H, Heindel ND, Mattis J: Monoclonal Antibodies for use in Radiotherapy and Diagnosis. *Am J Clin Oncol (CCT)* 11(3):355-361, 1988.

Arnold M. Markoe, M.D., Sc.D.

IV. **PUBLICATIONS**

19. Juried or Refereed Journal Articles and Exhibitions:

Brady LW, **Markoe AM**, DeEulis T, Lewis GC. Gynecology: Combined Radiotherapy and Chemotherapy in Gynecologic Oncology. *Int J Rad Onc Biol Phy* 13:S203-S209, 1988.

Augsburger JJ, Gamel JW, Shields JA, **Markoe AM**, Brady LW. Post-irradiation Regression of Choroidal Melanomas as a Risk Factor for Death from Metastatic Disease. *Ophthalmology* 94(9):1173-7, September 1987.

Augsburger JJ, Peyster RG, **Markoe AM**, Guiller EG, Shields JA, Haskin ME: Computed Tomography of Posterior Uveal Melanomas. *Arch Ophthalmol* 105:1512-16, November 1987.

Brady LW, **Markoe AM**, DeEulis T, Lewis GC: Treatment of Advanced and Recurrent Gynecologic Cancer. *Cancer* 60(8):2081-93, October 1987.

Brady LW, Woo DV, Heindel ND, **Markoe AM**, Koprowski H: Therapeutic and Diagnostic Uses of Modified Monoclonal Antibodies. *Int J Rad Oncol Biol Phys* 13:1535-44, October 1987.

Brady LW, Woo DV, Markoe AM, Koprowski H, Miyamoto CT: Monoclonal Antibodies in the Diagnosis and Treatment of Cancer. In: Radiobiology in Radiotherapy. N. Bleehan, Ed. Springer-Verlag, New York. 1987:233-241.

Brady LW, **Markoe AM**, Micaily B, Damsker JI, Karlsson UL, Amendola BE. Clinical Treatment Planning in Gynecologic Cancer. *Frontiers of Radiation Therapy and Oncology*. 21:302-332, 1987.

Brady LW, Bedwinek JM, **Markoe AM**, Micaily B, Damsker JI, Karlsson UL. Cancer of the Breast: Conservation Surgery and Curative Radiation Therapy-Technique. *Frontiers of Radiation Therapy and Oncology*. 21:181-194, 1987.

DeEulis TG, **Markoe AM**, Sedlacek TV, Brady LW: The Influence of Hematogenous and Serosal Metastases on Advanced (FIGO IIA-IVB) Squamous Cell Carcinoma of the Cervix. *Am J Clin Oncol (CCT)* 10(1):10-20, 1987.

Barthold HJ, Harvey A, **Markoe AM**, Brady LW, Augsburger JJ, Shields JA: Treatment of Orbital Pseudotumors and Lymphoma. *American Journal of Clinical Oncology*. 9(6):527-32, December 1986.

Augsburger JJ, McNearly BT, von Below H, Gamel JW, Shields JA, Brady LW, **Markoe AM**, Day JL. Regression of Posterior Uveal Malignant Melanomas after Cobalt Plaque Radiotherapy. *Graefes Archive for Clinical and Experimental Ophthalmology* 224(5):397-400, 1986.

Brady LW, **Markoe AM**, Fisher S: Cancer Cure with Organ Preservation Using Radiation Therapy. *Radiol* 160:1-8, 1986.

Brady LW, **Markoe AM**. Radiation Therapy in the Elderly Patient. *Frontiers of Radiation Therapy and Oncology*. 20:80-92, 1986.

Arnold M. Markoe, M.D., Sc.D.

IV. **PUBLICATIONS**

19. Juried or Refereed Journal Articles and Exhibitions:

Brady LW, **Markoe AM**, Micaily B, Karlsson U. Conservative Surgery and Curative Radiation Therapy in Cancer of the Breast. *Frontiers in Radiation Therapy and Oncology*. 20:112-124, 1986.

Brady LW, Cox JD, **Markoe AM**: Clinical Summary: The Challenge of Local Tumor Control and its Impact on survival. *Int J Rad Oncol Biol Phys* 12:705-707, 1986.

Andrews C, Promisloff R, Lansu M, **Markoe AM**: Bronchoscopy Guided Simulation of a Bronchial Neoplasm. *Int. J. Radiat Oncol Biol Phys* 11(9):1745-1746. September 1985.

Markoe AM, Brady LW, Shields JA, Augsburger JJ, Micaily B, Damsker JI, Day JL, Gamel JW: Malignant Melanoma of the Eye: Treatment of Posterior Uveal Lesions by Co-60 Plaque Radiotherapy Versus Enucleation. *Radiol* 156(3): 801-803. September 1985.

Markoe AM, Brady LW Jr., Shields JA, Augsburger JJ, Micaily B., Damsker J, Day JL, Gamel JW. Malignant melanoma of the eye: treatment of posterior uveal lesions by Co-60 plaque radiotherapy versus enucleation. *Radiology*. 156(3):801-3, 1985.

Peyster RG, Augsburger JJ, Shields JA, Satchell TV, **Markoe AM**, Clarke K, Haskin ME: Choroidal Melanoma: Comparison of CT, Fundoscopy, and US. *Radiol* 156(3):675-680, September, 1985.

Brady LW, **Markoe AM**, Sheline GE, Suntharalingam N, Sutherland RM. Radiation Oncology. Programs for the Present and Future. *Cancer* 55(suppl 9) 2037-2050, 1985.

Creuss AF, Augsburger JJ, Shields JA, Brady LW, **Markoe AM**, Day JL: Regression of Posterior Uveal Melanomas Following Cobalt-60 Plaque Radiotherapy. *Ophthalmol* 91(12):1716-1719, 1984.

Brady LW, Order Se, Liebel SA **Markoe AM**: *Radionuclides for systemic oncotherapy*. *Cancer Treatment Symposia, Vol 1, 1984*. U.S. Dept of Health and Human Services, Public Health Service. *National Institutes of Health (NIH Publ No. 84-2629) 127-134, 1984*.

Brady LW, Micaily B, **Markoe AM**, Damsker JI: Carcinoma of the Larynx: Glottis. *RAYS (Suppl 2)*, 117-126, 1983.

Markoe AM, Risch VR, Emrich J, Fala S, Brady LW. Tissue Distribution and Retention of 5-thio-D-glucose in Animal Tumor Models. *Cancer Clinical Trails*. 3(2):155-63, 1980.

Markoe AM. The Effects of Combined Radiation Therapy and Chemotherapy on the Immune Response. *Progress in Experimental Tumor Research*. 25:219-28, 1980.

Markoe AM, Risch VR, Heindel ND, Emrich J, Lippincott W, Honda T, and Brady LW: Biodistribution and Pharmacokinetics of S-35 Labeled 5-thio-D-glucose in Hamsters Bearing Pancreatic Tumors. *J Nucl Med* 20(7):753-760, 1979.

Arnold M. Markoe, M.D., Sc.D.

IV. **PUBLICATIONS**

19. Juried or Refereed Journal Articles and Exhibitions:

Brady LW, **Markoe AM**: The Biologic Basis for Combined Modality Treatment of Cancer. *Cancer Clin Trails* 2(1):5-18, 1979.

Markoe AM, Saluk PH: Combined effects of radiation and chemotherapy on the lymphopoietic system with special reference to the immune response. *Front Radiat Ther Oncol.* 13:175-193, 1978.

Markoe AM, Saluk PH: Radiation Effects on the Immune Response: A Review. *Appl Radiol/NM Sep-Oct:63-122, 1977.*

Brady LW, **Markoe AM**, Ruggieri S, Brodsky I: The Effect of Sublethal X-Irradiation on Erythropoiesis in the Mouse. *Int J Radiat Oncol Biol Phys* 1 (5-6):471-479, 1976.

Markoe AM, Asbell SO, Weidanz WP, Saluk PH, Antoniadis K, and Brady LW: Effect of Acute and Fractionated Partial-Body X-irradiation on Circulating Immunoglobulin Levels in Mice. *Int J Rad Onc Biol Phys* 1:465-470, 1976.

Schiffer LM, **Markoe AM**, and Nelson JSR: Estimation of tumor growth Fraction in Murine Tumors by the Primer-Available DNA-Dependent DNA Polymerase Assay. *Cancer Res* 36:2415-2418, 1976.

Schiffer LM, **Markoe AM**. Cytokinetic Stability of an Ehrlich Ascities Tumor. *Cell and Tissue Kinetics.* 7(3):305-308, 1974.

Schiffer LM, **Markoe AM**, Winkelstein A, Nelson JS, Mikulla JM. Cycling Characteristics of Human Lymphocytes in Vitro. *Blood* 44(1):99-107, 1974.

Markoe AM, OKunewick JP, Schiffer LM. Kinetic Analysis of Splenic Erythropoiesis in Mice Under Prolonged Hypoxic Stress. *Experimental Hematology.* 1(6):340-349, 1973.

Markoe AM, OKunewick JP. Changes in Spleen Cellularity and Erythrocyte accumulation Following Rauscher Virus Infection in the Mouse. *Scandinavian Journal of Hematology.* 10(4):273-281, 1973.

Markoe AM, OKunewick JP, Erhard P, Phillips E. Increased Splenic Transplantable Colony-Forming Units Related to Increased Radioresistance after Rauscher Leukemia Virus Infection of the SJL-J Mouse. *Journal of the National Cancer Institute.* 50(2):449-55, 1973

Markoe AM, OKunewick JP. Radioprotective Effect of Rauscher Leukemia Virus in the SJL-J Mouse III. Relationship of Hematologic Factors and Splenomegaly to the Development of Radioresistance. *Radiation Research.* 53(3):428-434, March 1973.

OKunewich JP, **Markoe AM**, Erhard P, Phillips EL. Growth Rate and ⁵⁹Fe Uptake in the Progeny of Rauscher Leukemia Virus-Infected Splenic Colony Forming Units Following Transplantation. *Journal of Laboratory and Clinical Medicine.* 81(4):489-496, April 1973.

Arnold M. Markoe, M.D., Sc.D.

IV. **PUBLICATIONS**

19. Juried or Refereed Journal Articles and Exhibitions:

Markoe AM, OKunewick JP. Radioprotective Effect of Rauscher Leukemia Virus in the JL-J Mouse, II. Development of Radioresistance and the Distribution of Mortality. *Radiation Research*. 53(1):115-123, January 1973.

OKunewich JP, Fulton D, **Markoe AM**. Radioprotective Effect of Rauscher Leukemia Virus in the SJL-J Mouse. *Radiation Research* 49(3): 521-9, March 1972.

OKunewick JP, Fulton D, **Markoe AM**, Phillips EL. Interrelationship of Erythropoietic Recovery, Marrow Recovery, Colony-Forming Units, and Erythropoiesis-Stimulating Factors After Sublethal x-irradiation. *Radiation Research* 52(1);138-51, October 1972.

OKunewick JP, Fulton D, and **Markoe AM**: Radioprotective Effect of Rauscher Leukemia Erythropoiesis in Hypoxic Mice. *Exp Hematol* 21:30-31, 1971.

Markoe AM, Anigstein R, Schulz RJ. Effect of Inert Gases and Nitrous Oxide on the Radiation Sensitivity of HeLa Cells. *Public Health Reports* 85 (3):200. March 1970.

Markoe AM, and Tannard JN: Toxicity of Radioprotective Agents to Yeast. *Radition Res* 39:90-100, July 1969.

Schultz RJ, **Markoe AM**, Anigstein R. The Effect of Xenon Gas on the Radiation Sensitivity of HeLa cells. *Physics in Medicine and Biology*. 14(2):336, April 1969.

Schulz RJ, **Markoe AM**, and Anigstein RA: Xenon: Effect on Radiation Sensitivity of HeLa Cells. *Science* 163:571-572, February 1969.

Distenfeld CH and **Markoe AM**: Determination of Quality Factor Through the Use of A Blanced, Tissue-Equivalent Ionization Chamber. *Nucl Instr Meth* 45:181-189, 1966.

20. Other works, publications and abstracts:

Abstract:

Cebulla, Collen M., Alegret, Armando, Feun Lynn, **Markoe, Arnold**, Hess, Ditte J, Murray, Timothy G. Bilateral Ocular Manifestations of Aggressive Cutaneous Metastatic Melanoma. *Retinal Cases and Brief Reports*: Vol. 2 (4):286-288, 2008.

Arnold M. Markoe, M.D., Sc.D.

21. Other works accepted for publication

PROFESSIONAL

22. Funded Research Performed

Principal Investigator, NIH Grant No. 5U01 Ca60258-03, National Collaborative Radiation Therapy Trials, 8/1/1994 to 12/2008

23. Editorial Responsibilities:

Book Review Editor, American Journal of Clinical Oncology
1982 – 1989

Board of Editors, American Journal of Clinical Oncology
1990 – 1999

Consultant, Cancergram HT-15: "Clinical Treatment of Cancer: Radiation Therapy",
Cancer Information, Dissemination and Analysis Center: Diagnosis and Therapy;
Information Ventures, Inc.
September 1988 – April 1992.

Member, Editorial Board, Radiation Oncology Investigations
September 1992 to 2000

Reviewer for protocols submitted to PDQ. National Institutes of Health/ National Cancer
Institute

24. Professional and Honorary Organizations:

Associate Member – Radiation Research Society, 1966

Member – American College of Radiology, 1983

American Society for Therapeutic Radiology and Oncology, 1984

American Society for Clinical Oncology, 1984

Member – Dade County Medical Association, 1990

Florida Association of Clinical Oncologists, 1990

Southern Medical Association, Inc., 1990

Florida Association of Clinical Oncologists, 1990

American Radium Society, 1991

Member – American College of Radiation Oncology, 1992

Alpha Omega Alpha Medical Honorary Society, 1997

American Cancer Society Summer Research Student

Department of Radiation Therapy and Nuclear Medicine

Hahnemann Medical College and Hospital – July 1975 through June 1977.

NSF Senior Research Student - Adelphi College, September 1962 – June 1963

Beta Beta Beta Biological Honorary Society - Adelphi College, 1963

U.S.P.H.S. Fellow in Cancer Research (Radiotherapy) - Cellular and Radiation Biology
Laboratories, Clinical Radiation Therapy Center

Allegheny General Hospital, Pittsburgh, PA – August 1972 – August 1973

American Cancer Society Special Postdoctoral Fellowship

Hahnemann Medical College and Hospital, Philadelphia, PA – July 1975 – June 1977

American Cancer Society Junior Clinical Faculty Fellowship

Hahnemann University, Philadelphia PA – July 1977 – June 1979

Arnold M. Markoe, M.D., Sc.D.

V. PROFESSIONAL

24. Professional and Honorary Organizations:

Member – American College of Radiology, Strategic Planning Committee for Radiation Oncology – 1985 to 1986
Member – Immunotherapy Committee, Radiation Therapy Oncology Group
July 1988 to 1989
Co-Chairman, Subcommittee for Protocol Development on Biological Response Modifiers
Radiation Therapy Oncology Group – September 1982 to June 1984
Member – Systemic Radionuclide Committee, Radiation Therapy Oncology Group
1989 to 1993
Site Reviewer – Residency Review Committee for the Accreditation of Radiation
Therapy Programs
ASTRO – Refresher Course Presenter – 1986 – 1988.

25. Honors and Awards

Jane Stuart Prize and Upjohn Research Awards – Hahnemann Medical College and
Hospital, June 1977
Recipient – Travel Award, Radiation Research Society, 1971
Who's Who in Science and Engineering – 1992
Who's Who in South and Southwest – 1992 to present
Best Doctors in America: Southwest Region – 1996 – 2009

26. Post-Doctoral Fellowships:

Presented over 60 scientific presentations at various national and international
Scientific meetings over the years.

Visiting Professorship at the Universidad de Navarra, Department of Radiation Oncology
Pamplona, Spain, July 1986.

Member – Advisory Committee to Program on Training of Radiation Therapy
Technologists, Gwynedd College – April 1987 to August 1989

Speaker for the Annual Meeting of the Florida Society of Radiologic Technologists
Lectured on “Radiation Therapy of Spinal Cord Tumors”. May 21, 1993.

Consultant, Medical Staff. Anne Bates Leach Eye Hospital/Bascom Palmer Eye Institute
Department of Ophthalmology, May 4, 1990.

Consultant, Radiation Therapy – Northeastern Hospital, Philadelphia, PA
January 1989 to August 1989

Consultant, Radiation Therapy – Metropolitan Hospital, Springfield Division, PA
August 1986 to August 1989

Consultant, Radiation Therapy – St. Agnes Medical Center, Philadelphia PA
February 1984 – August 1989.

Consulting Staff, Radiology (Radiation Therapy), Pennsylvania Hospital Philadelphia, PA
July 1981 – April 1985

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V. PROFESSIONAL

26. Post-Doctoral Fellowships:

Staff Member, Division of Radiation Oncology, Department of Radiology, Veterans Administration Hospital, Miami, FL 1990- present

Coordinator, Radiation Therapy Program – Miami Dade Community College/Jackson Memorial Hospital

27. Other Professional Activities:

Consortium Program, Radiation Therapy Technology Training – September 1989 to June 1992.

Faculty Member, Miami Dade Community College/Jackson Memorial Hospital Radiation Therapy Technology Training Program – 1995 to 2000

Leskell Gamma Knife Training Course. The Karolinska Gamma Knife Center, Karolinska Hospital, Stockholm Sweden. May/June 1995

VI. TEACHING

28. Teaching Awards Received:

Recipient, Lindbach Award for Distinguished Teaching
Hahnemann University, Philadelphia PA – June 1983

30. Thesis and Dissertation Advising/Post-doctoral student supervision

Committee Member, M.S. Thesis Committee. “Radiotoxicity of Iodine-125 labeled Monoclonal Antibodies to Colorectal Tumor Cells”. Jacqueline Emrich, Hahnemann University. 1989.

Committee Member, Ph.D. Thesis Committee. “The implementation of the convolution theorem in dose computation for Leksell gamma knife-based stereotactic radiosurgery” Xiaodong Wu, University of Miami. 1996

VII. SERVICE

31. University Committee and Administrative Responsibilities

Member, Sylvester Comprehensive Cancer Center, Clinical Research Service (CRS) Advisory Committee – Active Member commencing November 2010.

LCME Self Study Steering Committee Member, Self Study Committee – LCME Committee on Administration and Governance, November 13, 2007 to December 2008

Chairman, Promotion and Tenure Subcommittee, February 16, 2007 – July 2008

Arnold M. Markoe, M.D., Sc.D.

VII. SERVICE

31. University Committee and Administrative Responsibilities

Member, Department of Neurology, Chairman Search Committee, June 5, 2005 – June 30, 2006.

Vice Speaker, Medical School Council July 2006 – June 2008

Alternate Member, University of Miami, Faculty Senate, July 2006 – May 2008

Medical School Council Representative, Department of Medicine Chairman Search Committee, November 2006 – August 2007

Medical School Council Representative, Department of Neurology Chairman Search Committee, 2006/2007

Member, Medical School Council – July 2001 to May 2009

Member, Animal Research Committee – September 1989 to July 1991

Ex-Officio Departmental Quality Assessment Committee – 1989 to 2003

Member, Melanoma Site Group, Sylvester Comprehensive Cancer Center – 1989 to present

Member, Photodynamics Group, Sylvester Comprehensive Cancer Center – October 1989 to present

Member, Thoracic Oncology Site Group, Sylvester Comprehensive Cancer Center – November 1989 to present

Member, Gastrointestinal Site Group, Sylvester Comprehensive Cancer Center – November 1989 to present

Chairman, Intradepartmental Scientific Review Committee – November 1989 to June 2008

Member, Department of Urology, Chairman Search Committee, 1990 to 1991

Member, Human Use Committee on Radiation – 1990 to 2006

Member, Research and Development Committee – VA Medical Center of Miami, October 2002 – September 2004

Member, Protocol Review Committee, Sylvester Cancer Center, University of Miami School of Medicine July 2005 – present; Chairman, March 2008 – present

Coordinator, Senior Elective Radiation Oncology, Course #42100 – 1990 to present

Member, Head and Neck Cancer Site Group, Sylvester Comprehensive Cancer Center – November 1990 to present

Chairman, Animal Research Committee – July 1991 to June 1993

Arnold M. Markoe, M.D., Sc.D.

VII. SERVICE

31. University Committee and Administrative Responsibilities

Member, University of Miami Speakers Bureau – July 1991 to present

Member, Lung Cancer Task Force – American Cancer Society – 1991 to 1993.

Member, University of Miami Tenure and Promotions Committee – July 1993 to July 1994

Member, PIP Governing Board Committee – May 1994 to May 2008

32. Community Activities

Lecturer for the cancer residency for clergy entitled “Radiation Therapy in the Treatment of Cancer: sponsored by the American Cancer Society and the Department of Chaplain Services at Jackson Memorial Hospital, 1989 to 1990

Division of Neuro-Oncology Educational Presentation for the Community
Building Hope Through Knowledge – “Radiation Therapy for Benign and Malignant Brain Tumors” - May 23, 2003

UM/Sylvester at Deerfield Beach – “Conversations About Cancer”
Educational Presentations for the Community

“Ask the Doctor About Cancer ” - January 18, 2007

“Recap of the Joint American-Israeli Conference on Cancer”, July 20, 2006

“Ask the Doctor About Cancer and Radiation Therapy” - March 2, 2006

“Eye Cancer” – January 5, 2006

“The Affects and Effects of Radiation Therapy” – August 4, 2005

“Ask the Doctor About Radiation Therapy and Cancer Treatment” – May 5, 2005

“Ask the Doctor About Radiation Therapy and Cancer Treatment” – February 3, 2005

“Radiation Therapy” – December 12, 2004

“Cancer 101” – November 18, 2004

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