

# CURRICULUM VITAE

1. **Date:** **May 18, 2015**

## I. PERSONAL

2. **Name:** **Aldo N. Serafini**

3. **Home Telephone:** (305)

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5. **Home Address:**

6. **Current Academic Rank:** Professor of Radiology  
Professor of Medicine

6a. **Current Track of Appointment:** Tenured

7. **Primary Department:** Department of Radiology  
Division of Nuclear Medicine  
University of Miami School of Medicine

8. **Secondary or Joint Appointment:** Professor of Medicine  
Department of Medicine

9. **Citizenship:** U.S.A.

10. **Visa Type:** N/A

## II. HIGHER EDUCATION

**11. Institutional:** University of Witwatersrand, Johannesburg, South Africa, Degree: M.B., Ch. B. 5/30/1966.

Internship: Jackson Memorial Hospital, 7/1/1967-6/30/1968.

Residency in Internal Medicine, Jackson Memorial Hospital, 1968-1970.

Residency in Nuclear Medicine Jackson Memorial Hospital, 7/1/1970-6/30/1972.

**12. Non-Institutional:** None

**13. Certification, Licensure:** Certified by the Certification Council of Nuclear Cardiology, October 1996

Certified by Florida State Board of Medical Examiners March 1973, No. ME0020026.

Diplomate of the American Board of Internal Medicine 1973, No. 35179.

Diplomate of the American Board of Nuclear Medicine 1972, No. 01560.

ECFMG, Certificate #079-433 (9/14/66)

## III. EXPERIENCE

**14. Academic:** Professor of Radiology, University of Miami, School of Medicine, Miami, FL 7/1/1983-present.

Associate Professor of Radiology, University of Miami, School of Medicine, Miami, FL 7/1/1978-6/30/1983.

Professor of Medicine, Department of Medicine, University of Miami, School of Medicine, Miami, FL 7/1/1984-present.

Associate Professor of Medicine, Department of Medicine, University of Miami School of Medicine, Miami FL 7/1/1982-6/30/1984.

Assistant Professor of Radiology, University of Miami School of Medicine, Miami, FL 7/1/74-6/30/78

Instructor, Department of Radiology University of Miami  
School of Medicine, Miami, FL 7/1/72-6/30/73.

15. **Hospital Appointments:** Attending Staff, University of Miami Hospital  
Miami, Florida  
9/1/2010-Present

Attending Staff, South Shore Hospital  
Miami Beach, Florida  
7/1/1993-6/30/1997

Attending Staff, Cedars Medical Center  
Miami, Florida  
7/1/1985-6/30/2004

Attending Staff, University of Miami Hospital and  
Clinic/Sylvester Comprehensive Cancer Center/Jackson  
Memorial Medical Center, Miami, FL  
7/1/1977-present.

Attending Staff, Mount Sinai Medical Center,  
Miami Beach, Florida  
7/1/72-6/30/1977.

**Clinical Fellowships:** Nuclear Medicine Fellowship: Mount Sinai Medical  
Center – Ultrasound and PET. 7/1/70-6/30/72.

16. **Non-Academic:** Associate Director, Division of Magnetic  
Resonance Imaging  
University of Miami MRI Center  
7/1/1986-6/30/1988

Director, Radiation Control Center  
University of Miami School of Medicine  
7/1/1985-6/30/1988

Director, Division of Nuclear Medicine  
University of Miami Hospitals and Clinics  
Jackson Memorial Hospital  
7/1/1977-6/30/1988

Director, Nuclear Cardiology  
Cedars Medical Center  
7/1/1985-6/30/2004

Medical Director, Ultrasound Laboratory

Jackson Memorial Hospital  
7/1/1977-6/30/1980

Assistant Director, Division of Nuclear Medicine  
Mount Sinai Medical Center  
7/1/1973-6/30/1977

**17. Military:**

**N/A**

#### IV. PUBLICATIONS

##### 18. Books and Monographs Published:

###### Book Chapters

1. Clinical Applications of Monoclonal Antibody Imaging. Lionel Zuckier, **Serafini A.N., Diagnostic Nuclear Medicine - Fourth Edition** - Edited by M P. Sandler, M.D., RE Coleman, M.D., JA Patton, FJTh. Wackers, M.D., A Gottschalk, M.D. Lippincott Williams and Wilkins, Philadelphia, p. 951-968, 2003.
2. Current Status of Bone Pain Palliation with Systemic Radioisotopes: **Nuclear Medicine Annual**. Edited by Leonard M. Freeman, M.D., Lippincott Williams & Wilkins, Philadelphia, p. 253-274, 2002.
3. Designer Antibodies as Targeting Diagnostic Units. Mrinal K. Dewanjee and **Aldo N. Serafini** in Handbook of Targeted Delivery of Imaging Agents, edited by Vladimir P. Torchilin, Ph.D, published by CRC Press, Boca Raton, Florida, 1995.
4. Clinical Applications of Monoclonal Antibody Imaging. **Serafini A.N., Diagnostic Nuclear Medicine - Third Edition** - Edited by Martin P. Sandler, M.D., R. Edward Coleman, M.D., Frans J. Th. Wackers, M.D., James A. Patton, Ph.D, Alexander Gottschalk, M.D. and Paul B. Hoffer, M.D. Williams and Wilkins, Baltimore, Maryland 1995.
5. A New Scintigraphic Method for Diagnosing Inflammations/ Infections, Using In-111 Labeled Nonspecific Human IgG. **Serafini AN**, Garty I, Vargas R, Sfakianakis GN, Tehranzadeh J, Neptune M, Rauh D. Nuclear Medicine, Quantitative Analysis in Imaging and Function, p304-307, Edited Schattauer, Stuttgart-New York 1990.
6. Monoclonal Antibody Imaging. Clinical and Technical Perspectives: **Serafini AN** and A. Friden in Current Role of Nuclear Medicine: Comparison with other Modalities. Edit W.H. McCartney, Continuing Education Series 1989. Published by Southeastern Chapter Society of Nuclear Medicine.
7. **Serafini AN**, Kotler J, Feun L, Robinson D, Chattopadhyay, Heal A, Dewanjee M, Ganz W, Sfakianakis G, Abrams P, Nelp W: Specific Tc-99m Labeled Antimelanoma Murine Monoclonal Antibody (NR-ML-05) scintigraphy in patients with malignant melanoma (M.M.) in Nuclear Medicine Trends and Possibilities in Nuclear Medicine, Edit. Schmidt HAE and Buraggi G.L., Publisher F.K. Schattauer Verlag GmbH, Stuttgart, Germany, 1989.
8. Bone Scintigraphy in Trauma. **Serafini AN**, Ganz WI. Chapter 3, p.99-119 in "Avulsion and Stress Injuries of the Musculoskeletal System." Edit. J. Tehranzadeh, **Serafini AN**, Pais MJ. Publisher S. Karger AG, Basil, Switzerland,

1988.

9. **Serafini AN**, Ganz WI, Prigent FP, Sfakianakis GN: Acquired Immune Deficiency Syndrome: The Role of Nuclear Medicine. Continuing Education Lectures 1988, published by the Southeastern Chapter of the Society of Nuclear Medicine.
10. **Serafini AN**: The Complementary Roles of Nuclear Medicine and Ultrasound in Abdominal Scanning. Recent Advances in Nuclear Medicine: Technical and Clinical Aspects. Continuing Education Lectures, 1985, published by Southeastern Chapter of the Society of Nuclear Medicine.
11. **Serafini AN**: Biliary Excretory Scintigraphy. Chapter 11, Volume VI in Bockus Gastroenterology, 4th Edition. Ed: W.B. Saunders, Philadelphia, PA, 1984.
12. **Serafini AN**: Diffuse disorders of the liver, Chapter 10, p. 115, Medical Imaging of the Liver and Spleen. Ed: **Serafini N**, Appleton-Century-Crofts, 1983.
13. **Serafini AN**: Medicina Nuclear Cardiovascular. Diálogo Interamericano de Medicina, University of Miami School of Medicine, Vol. I, 1983.
14. **Serafini AN**, Hourani MH, Sfakianakis GN, Ashkar FS: Clinical Decisions in Thyroid Nodular Disease. Continuing Education Lectures 1980. Published by the Southeastern Chapter of the Society of Nuclear Medicine.
15. **Serafini AN**: Radionuclides in the Evaluation of Metabolic Bone Disease. Chapter 31, p. 470-480. Thyroid and Endocrine System Investigations with Radionuclides and Radioassay. Ed: F. Ashkar, Mason Publishing, 1979.
16. **Serafini AN**, Smoak WM: The Mount Sinai Medical Center Cyclotron, Its Clinical Role. Medical Cyclotrons in Nuclear Medicine. Edit: **Serafini AN**, published by S. Karger AG, Basel, 1978.
17. **Serafini AN**: Radioactive Isotopes in Clinical Orthopedics. Orthopedics: Principles and Their Applications. Edit: Turek SL, Third Edition, published by J.B. Lippincott Co., 1977.
18. Janowitz WR, Watson DD, **Serafini AN**: Myocardial Imaging with Thallium-201 in Cardiovascular Investigations with Radionuclides. Ed: **Serafini AN**, Gilson AJ, Smoak WM, published by Plenum Press, 1976.
19. Watson DD, **Serafini AN**, Greenberg JJ, Gilson AJ: Techniques for Heart-Lung Imaging. Nuclear Cardiology, Principles and Methods. Edit: **Serafini AN**, Gilson AJ, Smoak WM, published by Plenum Press, 1976.
20. **Serafini AN**: Bone Imaging with <sup>99m</sup>Tc. A Monograph for Nuclear Medicine Technologists. Med Com. Press, New York, 1974.
21. **Serafini AN**: The Skeletal System. Chapter 9, page 108-117. Practical Nuclear Medicine, Ed: F. Ashkar, Med. Com. Press, New York 1974.

22. **Serafini AN**: Renal Scintigraphy. Practical Nuclear Medicine. Ed: F. Ashkar, published by Med. Com. Press, NY 1974.
23. **Serafini AN**: Bone Scanning. Chapter 11, Review of Nuclear Medicine Continuing Education Lectures 1972, Published by Southeastern, Chapter of the Society of Nuclear Medicine.

### **Books Published**

1. Avulsion and Stress Injuries of the Musculoskeletal System. Editors: J.Tehranzadeh, **AN Serafini** Publisher S. Karger AG, 1988
2. Medical Imaging of Liver and Spleen. Editor: **AN Serafini** Publisher Appleton Century Crofts 1983.
3. Medical Cyclotrons in Nuclear Medicine. Editor: **AN Serafini**, Publisher: S. Karger AG, Basel 1978.
4. Nuclear Cardiology Principles and Methods. Editor: **AN Serafini**, Gilson AJ, Smoak WM. Published by Plenum Press, 1976.

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

#### **Journal Articles:**

1. Lossos IS, Fabregas JC, Koru-Sengul T, Miao F, Goodman D, **Serafini AN**, Hosein PJ, Stefanovic A, Rosenblatt JD, Hoffman JE. Phase II study of 90Y Ibritumomab tiuxetan (Zevalin) in patients with previously untreated marginal zone lymphoma. **LEUKEMIA & LYMPHOMA**. Nov 20, 2014:1-6.
2. Ocean AJ, Pennington KL, Guarino MJ, Sheikh A, Bekaii-Saab T, **Serafini AN**; Lee D, Sung MW, Gulec SA, Goldsmith SJ, Manzone T, Holt M, O'Neil BH, Hall N, , Montero AJ, Kauh J, Gold DV, Horne H, Wegener WA, Goldenberg M: Fractionated Radioimmunotherapy with 90Y-Clivatuzumab Tetraxetan and Low Dose Gemcitabine is Active in Advanced Pancreatic Cancer: A Phase 1 Trial. **CANCER** Nov. 15:118(22):5497-506, DOI: 10.1002.cncr.27592 Epub, 2012 May 8. PMID: 22569804, 2012.
3. Paes F, Emani V, Hosein P, **Serafini AN**: Radiopharmaceuticals: when and how to use them to treat metastatic bone pain. **JOURNAL OF SUPPORTIVE ONCOLOGY** 9(6):197-205, 2011.
4. Hosein PJ, Pastorini VH, Paes FM, Eber D, Chapman JR, **Serafini AN**, Alizadeh AA, Lossos IS: Utility of positron emission tomography scans in mantle cell lymphoma. **AMERICAN JOURNAL OF HEMATOLOGY** 86(10):841-845, 2011.

5. Gomaa O, **Serafini AN**, Franzmann E, Kittaneh M, Montague N, Kalkanis D: F-18 FDG PET/CT in the assessment of recurrent anaplastic T-cell lymphoma of the external auditory canal. **CLINICAL NUCLEAR MEDICINE** 35(8):592- 594, 2010.
6. Paes FM, **Serafini AN**: Systemic metabolic radiopharmaceutical therapy in the treatment of metastatic bone pain. **SEMINARS IN NUCLEAR MEDICINE** 40(2):89-104, 2010.
7. Paes FM, Kalkanis DG, Sideras PA, **Serafini AN**: FDG PET/CT of extranodal involvement in Non-Hodgkin Lymphoma and Hodgkin's disease. **RADIOGRAPHICS**: A review publication of the Radiological Society of North America Inc., 30(1):269-291, 2010.
8. Kalkanis D, Stefanovic A, Paes F, Escalon MP, **Serafini AN**, Lossos IS: 18F-Fluorodeoxyglucose position emission tomography combined with computed tomography detection of asymptomatic late pulmonary toxicity in patients with non-Hodgkin's Lymphoma treated with Rituximab containing chemotherapy. **LEUK LYMPHOMA** 50(6):904-911, 2009.
9. Sfakianakis GN, Sfakianaki E, Georgiou M, **Serafini AN**, Ezuddin S, Kuker R, Zilleruelo G, Strauss J, Abitbol C, Chandar J, Seeherunvong W, Bourgoignie J, Roth D, Leveillee R, Bird VG, Block N, Gosalbez R, Labbie A, Guerra JJ, Yrizarry J: A renal protocol for all ages and all indications: Mercapto-Acetyl-Triglycine (MAG3) with simultaneous injection of Furosemide (MAG3-Fo): A 17 year experience. **SEMINARS NUCLEAR MEDICINE** 39:156-173, 2009.
10. Vik TA, Pfluger T, Kadota R, Castel V, Tulchinsky M, Farto JCA, Heiba S, **Serafini AN**, Tumeh S, Khutoryansky N, Jacobson AF. <sup>123</sup>I-mIBG scintigraphy in patients with known or suspected neuroblastoma: Results from a prospective multi-center trial. **PEDIATRIC BLOOD AND CANCER** 52(7):784-790, 2009.
11. Hans HS, Escalon MP, Hsiao B, **Serafini AN**, Lossos IS: High incidence of false positive PET scans in patients with aggressive Non-Hodgkin's Lymphoma treated with Rituximab containing regimens. **ANNALS OF ONCOLOGY** 20(2):309-318, 2009.
12. Molina MA, Goodwin WJ, Moffat FL, **Serafini AN**, Sfakianakis GN, Avisar E: Intra-operative use of PET Probe for Localization of FDG Avid Lesions. **CANCER IMAGING** 9:2009.
13. Wiseman G, Pacak K, O'Dorisio MS, Neumann DR, Waxman AD, Mankoff DA, Heiba SI, **Serafini AN**, Tumeh SS, Khutoryansky N, Jacobson AF: Usefulness of <sup>123</sup>I-mIBG scintigraphy in the evaluation of patients with known or suspected primary or metastatic pheochromocytoma or paraganglioma: Results from a prospective multicenter trial. **JOURNAL OF NUCLEAR MEDICINE** 50(9):1448-54, 2009.
14. Molina MA, Goodwin WJ, Moffat FL, **Serafini AN**, Sfakianakis GN, Avisar E:



- Intraoperative use of PET probe for localization of FDG avid lesions. **CANCER IMAGING** 9:59-62, 2009.
15. Inverardi L, Linetsky E, Pileggi A, Molano RD, **Serafini AN**, Paganelli G, Ricordi C: Targeted bone marrow radioablation with Samarium-153-Lexidronam promotes allogeneic hematopoietic chimerism and donor-specific immunological hyporesponsiveness, specific immunologic hyporesponsiveness. **TRANSPLANTATION** 77(5):647-655, 2004.
  16. Morgensztern D, Rosado MF, **Serafini AN**, Lossos IS: Somatostatin receptor scintigraphy in MALT lymphoma of the lacrimal gland treated with rituximab. **LEUKEMIA & LYMPHOMA** 45(6):1275-1278, 2004.
  17. Bustillo A, Telischi F, Weed D, Civantos F, Angeli S, **Serafini AN**, Whiteman M: Octreotide scintigraphy in the head and neck. **THE LARYNGOSCOPE** 114(3): 434-440, March 2004.
  18. **Serafini AN**, Clauss RP, Levis-Dusseau S: Protocol for the combined diagnostic and therapeutic use of recombinant human thyroid stimulating hormone. **CLINICAL NUCLEAR MEDICINE** 28(1):14-17, 2003.
  19. Moffatt FL, **Serafini AN**: Radioimmunosintigraphy for colorectal cancer: current status and future prospects. **SEMINARS IN COLON & RECTAL SURGERY** 13(2) June, 119-126, 2002.
  20. **Serafini AN**: Systemic Metabolic Radiotherapy with Samarium-153 EDTMP for the Treatment of Painful Bone Metastasis **QUARTERLY JOURNAL OF NUCLEAR MEDICINE** 45(1):91-99, 2001.
  21. **Serafini AN**: Therapy of metastatic bone pain. **JOURNAL OF NUCLEAR MEDICINE** 42(6): 895-906, 2001.
  22. Telischi FF, Bustillo A, Whiteman M, **Serafini AN**, Reisberg MJ, Gomez-Marín O, Civantos FJ, Balkany TJ: Octreotide scintigraphy for the detection of paragangliomas. **OTOLARYNGOLOGY, HEAD AND NECK SURGERY** 122(3):358-362, 2000.
  23. Goldenberg DM, Abdel-Nabi H, Sullivan CL, **Serafini A**, Seldin D, Barron B, Lamki L, Line B, Wegener WA: Carcinoembryonic antigen immunoscintigraphy complements mammography in the diagnosis of breast carcinoma. **CANCER** 89(1):104-115, 2000.
  24. Wegener WA, Petrelli N, **Serafini AN**, Goldenberg DM: Safety and efficacy of Arcitumomab imaging in colorectal cancer after repeated administration. **JOURNAL OF NUCLEAR MEDICINE** 41(6):1016-1020, 2000.
  25. **Serafini AN**: Samarium Sm-153 Lexidronam for the palliation of bone pain associated with metastases. **CANCER SUPPLEMENT** 88(12):2934-2939, June 15, 2000.
  26. Moffatt FL, Gulec SA, Sittler S Y, **Serafini AN**, Sfakianakis GN, Boggs

- Jodeen, Franceschi D, Pruett CS, Pop R, Gurkok C, Livingstone AS, Krag DN: Unfiltered sulphur colloid and sentinel node biopsy for breast cancer technical and kinetic considerations. **ANNALS OF SURGICAL ONCOLOGY** 6(8):746-755, 1999.
27. Moffat FL, Jr., Gulec SA, **Serafini AN**, Sfakianakis GN; Pop R, Robinson DS, Franceschi D, Boggs J, Livingstone AS: A thousand points of light or just dim bulbs? Radiolabeled antibodies and colorectal cancer imaging. **CANCER INVESTIGATION** 17(5):322-324, 1999.
  28. **Serafini AN**, Houston SJ, Resche I, Quick DP, Grund FM, Ell PJ, Bertrand A, Ahmann RF, Orihuela E, Reid RH, Lerski RA, Collier BD, McKillop JH, Purnell GL, Pecking AP, Thomas FD, Harrison KA: Palliation of pain associated with metastatic bone cancer using Samarium-153-Lexidronam: A double blind placebo controlled clinical trial. **JOURNAL OF CLINICAL ONCOLOGY**, 16(4):1574-1581, 1998.
  29. **Serafini AN**, Goeckler W: Palliation of Bone Pain in Cancer Patients. **ADMINISTRATIVE RADIOLOGY JOURNAL** 17(7):32-37, July 1998.
  30. **Serafini AN**, Klein JL, Wolff BG, Baum R, Chetanneau A, Pecking A, Fischman AJ, Wynant GE, Subramanian R, Goroff DK, Hanna HG: Radioimmunoscinigraphy of Recurrent, Metastatic, or Occult Colorectal Cancer with Technetium 99m-Labeled Totally Human Monoclonal Antibody 88BV59: Respivotal, Phase III Multicenter Studies **JOURNAL OF CLINICAL ONCOLOGY** 16(5):1777-1787, 1998.
  31. Wolff BG, Bolton J, Baum R, Chetanneau A, Pecking A, **Serafini AN**, Fischman AJ, Hoover HC, Jr., Klein JL, Wynant GE, Subramanian R, Goroff DK, Hanna MG, Jr.: Radioimmunoscinigraphy of recurrent, metastatic, or occult colorectal cancer with Technetium Tc-99m-88BV59H21-2V67-66 (HumaSPECT-Tc), a totally human monoclonal antibody: Patient management benefit from a phase III multicenter study. **DISEASES OF THE COLON AND RECTUM** 41(8):953-962, 1998.
  32. Gulec SA, Moffat FL, Carroll RG, **Serafini AN**, Sfakianakis GN, Allen L, Boggs J, Escobedo D, Pruett CS, Gupta A, Livingstone AS, Krag DN: Sentinel lymph node localization in early breast cancer. **JOURNAL OF NUCLEAR MEDICINE** 39(8):1388-1393, 1998.
  33. Gulec SA, **Serafini AN**, Sridhar KS, Peker KR, Gupta A, Goodwin WJ, Sfakianakis GN, Moffat FL: Somatostatin receptor expression in Hurthle cell cancer of the thyroid. **JOURNAL OF NUCLEAR MEDICINE** 39(2):243-245, 1998.
  34. **Serafini AN**, Sfakianakis GN, Georgiu M, Morris J: Breast cyst simulating metastases on Iodine-131 imaging in thyroid carcinoma. **JOURNAL OF NUCLEAR MEDICINE** 39(11):1910-2, 1998.
  35. Sfakianakis GN, Zilleruelo G, Cavagnaro F, Gargano C, Georgiou M, Almanzar M, Ezuddin S, Mallin M, Ganz W, **Serafini AN**, Strauss J: A

Prospective Comparative DMSA and MAG3 Study in Acute Pyelonephritis. **RADIONUCLIDES IN NEPHROUROLOGY** 182-184, 1997.

36. Gulec SA, **Serafini AN**, Ezuddin S, Kuker RA, Gupta A, Stabin M, Moffat FL, Robinson DL: Malignant Struma Ovarii: Dosimetric Technique for Radioactive Iodine Therapy. **DIAGNOSTIC ONCOLOGY** 4(6):331-333, 1997.
37. Gulec SA, **Serafini AN**, Ezuddin S, Markoe AM, Sridhar KS, Kuker RA, Peker KR, Korensky TD, Moffat FL: Papillary Thyroid cancer: Kinetic Analysis and Response to Therapy. 1997 S. Karger AG, Basel, Switzerland. **DIAGNOSTIC ONCOLOGY** 4(6):325-330, 1997.
38. Whiteman MLH, **Serafini AN**, Telischi FF, Civantos FJ, Falcone S: <sup>111</sup>In Octreotide Scintigraphy in the Evaluation of Head and Neck Lesions. **AMERICAN JOURNAL OF NEURORADIOLOGY** 18(6):1073-1080, June 1997.
39. Goldenberg DM, Wegener W, Line B, Seldin DW, Nabi HA, **Serafini AN**: Studies of Breast Cancer Imaging with Radiolabeled Antibodies to Carcinoembryonic Antigen. **ACTA MED. AUSTRIA CA** 24:55-59, 1997.
40. Goldenberg DM, Nabi HA, Rosner D, Barron B, Line B, Seldin DM, **Serafini AN**: CEA-Scan Immunoscintigraphy in the Imaging and Diagnosis of Breast Cancer. **EUROPEAN JOURNAL OF CANCER** 33:1008, 1997.
41. **Serafini AN**: Somatostatin receptor scintigraphy of malignant lymphoma: Current status. **YALE JOURNAL OF BIOLOGY AND MEDICINE** 70(5-6):555-559, 1997.
42. Dewanjee MK, Wu SM, Kapadvanjwala D, De D, Dewanjee S, Gonzalez L, Novak S, Hsu LC, Perryman RA, Duncan RC, **Serafini AN**, Sfakianakis GN, Horton AF: Emboli from an extraluminal blood flow hollow fiber oxygenator with and without an arterial filter during cardiopulmonary bypass in a pig model. **ASAIO JOURNAL** 42(6):1010-1018, 1996.
43. Ganz WI, Sridhar K, Ganz SS, Gonzalez R, Chakko S, **Serafini AN**. Review of Tests for Monitoring Doxorubicin-induced Cardiomyopathy. **ONCOLOGY** 53:461-470, 1996.
44. Dewanjee MK, Wu SM, De D, Nadkarni R, Gonzalez L, Dewanjee S, Novak S, Perryman RA, **Serafini AN**, Sfakianakis GN, Duncan RC, Dietrich D, Ganz WI, Hsu LC: Reduction of neutrophil margination by L-arginine during hypothermic cardiopulmonary bypass in a pig model. **ASAIO JOURNAL** 42(5):661-666, 1996.
45. Dewanjee MK, Belinskiy VV, Holland JF, Kapadvanjwala M, Wu SM, Novak S, Hsu LC, Sanchez J, Dewanjee S, **Serafini AN**, Duncan RC, Sfakianakis GN: Effect of thoracotomy and cardiopulmonary bypass on activated platelet and neutrophil dynamics and platelet emboli in a pig model. **JOURNAL OF THROMBOSIS AND THROMBOLYSIS** 3(3):195-208, 1996.

46. Dewanjee MK, Wu SM, Kapadvanjwala M, De D, Dewanjee S, Novak S, Hsu LC, Perryman RA, Serafini AN, Sfakianakis GN, Duncan RC, Dietrick WD, Horton AF: Reduction of platelet thrombi and emboli by L-Arginine during Cardiopulmonary bypass in a pig model. **JOURNAL OF THROMBOSIS AND THROMBOLYSIS** 3(4):343-360, 1996.
47. Method MW, Serafini AN, Averette HE, Rodriguez M, Penalver MA, Sevin BU: The role of radioimmunoscinigraphy and computer tomography scan prior to reassessment laparotomy of patients with ovarian carcinoma. **CANCER** 77(11):2286-2293, 1996.
48. Sfakianakis GN, Irvin GL, Foss J, Mallin W, Georgiou M, Deriso GT, Molinari AS, Ezuddin S, Ganz W, Serafini AN, Jabir AM, Chandarlapaty SK: Efficient parathyroidectomy guided by SPECT-MIBI and hormonal measurements. **JOURNAL OF NUCLEAR MEDICINE** 37(5):798-804, 1996,
49. Moffat FL, Vargas-Cuba RD, Serafini AN, Jabir AM, Sfakianakis GN, Sittler SY, Robinson DS, Crichton VZ, Subramanian R, Murray JH, Klein JL, Hanna MG, DeJager RL: Preoperative scintigraphy and operative probe scintimetry of colorectal carcinoma using Technetium-99m-88BV59. **JOURNAL OF NUCLEAR MEDICINE** 36(5):738-745, 1995.
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51. Ganz W, Serafini A, Lerner D, Lisko J, et al. Cardiovascular Magnetic Resonance Imaging Goes Beyond Anatomy. **CRITICAL REVIEWS IN DIAGNOSTIC IMAGING**, 36(4):479-503, 1995
52. Ganz WI, Serafini AN: Role of Nuclear Medicine and AIDS: Overview and Perspective for the Future. **THE QUARTERLY JOURNAL OF NUCLEAR MEDICINE** 39(3):169-186, September 1995.
53. Serafini AN: Implications of Somatostatin Receptor Scintigraphy of Human Neuroendocrine Tumors. **NEW PERSPECTIVES IN CANCER DIAGNOSIS AND MANAGEMENT**, p.52 Vol.3, No.2 September 1995.
54. Buscombe J, Khalkhali I, Serafini AN: Quantification of Intrathoracic Accumulation of Indium-111 Labelled Polyclonal IgG in Normal Volunteers and HIV Infected Patients With and Without Pulmonary Infection. **EUROPEAN JOURNAL OF NUCLEAR MEDICINE** 1995.
55. Zaret BL, Rigo P, Wackers FJT, Hendel RC, Braat SH, Iskandrian IS, Sridhora, Jain D, Itti R, Serafini AN, Goris MC, Lahiri A and the Tetrofosmin International Trial Study Group. Myocardial Perfusion Imaging with Technetium-99m Tetrofosmin: Comparison to Thallium-201 Imaging and Coronary Angiography in a Phase III Multicenter Trial. **CIRCULATION**

91(2):313-319, January 1995.

56. Dewanjee MK, Ghafouripour AK, Kapadvanjwala M, **Serafini AN**, Lopez DM, Sfakianakis GN. Noninvasive Imaging of C-MYC Oncogene MRNA with In-111 Labeled Antisense Probes in Mammary Tumor-Bearing Mouse. **JOURNAL OF NUCLEAR MEDICINE** 35(6):1054-1063, 1994.
57. Gulec SA, **Serafini AN**, Moffat FL, Francheschi D, Velez PG, Boggs J, Gargano CA, Robinson DS, Sfakianakis GN: Radioimmunosciintigraphy of Breast Carcinoma Using Technetium-99m-labeled-Fab' Fragment of Anticarcinoembryonic Antigen Monoclonal Antibody IMMU-4 (CEA-SCAN™). **DIAGNOSTIC ONCOLOGY** 95(4):209-213, 1994.
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#### **Scientific Exhibits:**

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2. Gomaa O, Kalkanis DG, Ezuddin SH, Georgiou MF, Sfakianaki E, Sidani C, Mohamed M, Serafini AN, Sfakianakis GN: Assessment of the effect of cardiotoxic chemotherapeutic agents on the different phases of the cardiac cycle using multiple-gated acquisition scan and volume-time curves may predict cardiotoxicity earlier than evaluation of ejection fraction alone. Poster #1128. Society of Nuclear Medicine Annual Meeting, San Antonio, Texas, June 4-8, 2011.
3. Gomaa O, Ezuddin SH, Kalkanis D, Sidani C, Georgiou MF, Sfakianakis GN,

- Serafini AN: Assess the effect of different cardiotoxic chemotherapeutic agents on cardiac cycle phases in breast cancer before and after therapy using multiple-gated acquisition scan (MUGA) and volume time curves (VTCs): A better tool than ejection fraction alone. Poster #900511. Radiological Society of North America 96<sup>th</sup> Scientific Assembly and Annual Meeting, McCormick Place, Chicago, Illinois, November 24-December 3, 2010.
4. Paes FM, Kalkanis D, Gomaa O, Serafini AN: Spectrum of Tc-99m-HDP SPECT/CT findings in benign and malignant bone conditions: Additional or redundant information? Poster #1064, Society of Nuclear Medicine Annual Meeting, Salt Lake City, Utah, June 5-9, 2010.
  5. Kalkanis D, Paes F, Gomaa O, Serafini AN: 18F-FDF PET/CT findings of perineural involvement in head and neck malignancies. Poster #1092. Society of Nuclear Medicine Annual Meeting, Salt Lake City, Utah, June 5-9, 2010.
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  8. Paes FM, Braga TA, Gomes HR, Serafini AN: 18F FDG-PET/CT of atherosclerotic disease – Imaging the vulnerable plaque: A literature and pictorial review. Radiological Society of North America 94<sup>th</sup> Scientific Assembly and Annual Meeting, Chicago, Illinois, November 2008.
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## 21. Other Works Published

1. Paes F, Emani V, Hosein P, Serafini AN: Radiopharmaceuticals: when and how to use them to treat metastatic bone pain. **CURRENT PAIN MANAGEMENT NEWS AND RESEARCH (American Academy of Pain Management's On line Newsletter)**. <http://www.aapainmanage.org/painmanagementnews/NEWnewsletter/email/currents1211.html#research>. 2011
2. Serafini AN: Palliation of Pain Associated with Metastatic Bone Cancer Using Samarium-153 Lexitronam: A Double-Blind Placebo-Controlled Clinical Trial. **TOPICS ON SUPPORTIVE CARE IN ONCOLOGY**, 29:9-10, Trimestrial 4/98, December 30, 1998. (Published by Multinational Association of Supportive Care in Cancer (MASCC), Brussels, Belgium.
3. Serafini A.N.: New Pain Treatment for Cancer. **MIAMI HEALTH LETTER** Editor, Rosario Levine, published by Miami Medical Letter, Inc. Vol. 12, No. 4: p.5, 1998.

## V. PROFESSIONAL

### 22. Funded Research Performed:

1. Phase III Rituxan/Beam vs Bexxar/Beam with Autologous Hematopoietic Stem Cell Transplantation for Persistent or Relapsed Chemotherapy Sensitive Diffuse Large B-Cell Non-Hodgkin's Lymphoma. Study #2005-111. RTOG-0157 sponsored. Co-Investigator. Principal Investigator: Denise Pereira, M.D.
2. A Phase IIb Study Evaluating the Efficacy and Safety of Ultratrace Iobenguane I-131 among Patients with Malignant Relapsed/Refractory High Risk Neuroblastoma. Study #2009-0516. Sponsor: Molecular Insight Pharmaceuticals. Dates: 11/02/09-11/01/10. Co-Investigator. Principal Investigator: John Goldberg, M.D..
3. FDG Uptake in the Vulnerable Plaque: A Retrospective Correlation with

Clinical End Points. Study #2008-1157. Sponsor: Investigator-Initiated.  
Dates: 06/04/09-01/13/11. Principal Investigator.

4. A Phase II Study Evaluating the Efficacy and Safety of Ultratrace Iobenguane I-131 in Patients with Malignant Relapsed/Refractory Pheochromocytoma/Paraganglioma. Study #2009-0248. Sponsor: Molecular Insight Pharmaceuticals. Amount: \$442,093.60. Dates: 08/10/09-06/26/12. Principal Investigator.
5. Fatigue and Cardiac Sympathetic Denervation in Parkinson's Disease. Sponsor: Investigator-Initiated. Study #2009-0004. Dates: 06/01/09-04/01/13. Co-Investigator. Principal Investigator: Carlos Singer, M.D.
6. A Phase 4 Study to Evaluate the Long Term Impact of Identifying Tumor Draining Lymph Nodes using Lymphoseek in Patients with Breast Cancer or Melanoma. Study #2009-0680. Sponsor: Neoprobe Corporation. Dates: 04/15/09-04/15/14. Co-Investigator. Principal Investigator: Eli Avisar, M.D.
7. A Phase 3, Prospective, Open-Label, Multicenter Comparison Study of Lymphoseek and Vital Blue Dye as Lymphoid Tissue Targeting Agents in Patients with Known Melanoma or Breast Cancer who are Undergoing Lymph Node Mapping. Study #2008-0677. Sponsored by Neoprobe Corporation. Dates: 11/24/08-11/23/09. Co-Investigator. Principal Investigator: Eli Avisar, M.D.
8. A Phase I Study Evaluating the Safety, Pharmacokinetics, Tissue Distribution, and Determination of Radiation Dosimetry for <sup>131</sup>I-MIP-1145. Protocol #SZ-M101, Study #2008-0504. Sponsored by Molecular Insight Pharmaceuticals. Dates: 11/1/08-10/31/09. Principal Investigator.
9. A Phase Ib Study of Fractionated Y-Hypam4 Gemcitabine in Patients with Previously Untreated Advanced Pancreatic Cancer. Protocol #2007-1061. Sponsored by Immunomedics, Inc. Amount: \$428,123.75. Dates: 2/25/08- 1/25/11. Principal Investigator.
10. A Randomized Phase III Trial to Evaluate Radiopharmaceuticals and Zoledronic Acid in the Palliation of Osteoblastic Metastases from Lung, Breast, and Prostate Cancer. Protocol #RTOG 0517. Study #2008-0051. Sponsored by RTOG- Radiation Therapy Oncology Group. Dates: 9/22/08-9/07/12. Co-Investigator. Principal Investigator: Cristiane Takita, M.D.
11. A Humanitarian Device Exemption Use Protocol of TheraSphere for Treatment of Unresectable Hepatocellular Carcinoma. Protocol #2005-7624. Sponsor: Investigator-Initiated. Dates: 2/15/06-1/31/10. Co-Investigator. Principal Investigator: Andreas Tzakis, M.D.
12. Phase II Study of Ibritumomab Tiuxetan (Zevalin) in Patients with Previously Untreated Marginal Zone Lymphoma. SCCC #2006-0078. Sponsor: Sylvester Comprehensive Cancer Center. Dates: 2/27/06-02/05/13. Co-Investigator. Principal Investigator: Izidore Lossos, M.D.

13. A Study Comparing treatment with Alemtuzumab (Campath-1H) a Humanized anti-CD-52 Monoclonal antibody and Low Dose Tacrolimus in combination with the administration of a single dose of Samarium 153-EDTPM (Quadramet) in Liver Transplant Recipients. SCCC #203-0859. Dates: 5/3/04-8/8/07. Co-Investigator. Principal Investigator: Andreas Tzakis, M.D.
14. A Multi-center Long Term Follow-up Study of Patients with Low-Grade Non-Hodgkin's Lymphoma previously treated with Tositumomab and/or Iodine I-131 Tositumomab in Studies RIT-1-000, RIT-11-001, RIT-11-002, RIT-11-004, or CP-97-012. Protocol #: CCBX001. IRB #2003-0086. Glaxo-Smith-Kline. Amount: \$9,120.00. Dates: 6/17/03-10/21/10. Principal Investigator.
15. An Open-Label, Multicenter, Phase 4 Study to Evaluate the Effect of Age (Geriatric) and Renal Function on the Safety, Efficacy (Sensitivity, Specificity) and Pharmacokinetics of OctreoScan in Patients Referred for Scintigraphy of All solid Tumors with a High Suspicion of Containing Somatostatin Receptor Positive Tissue. Study Number: 0050-02-763, IRB #: 2003-017. Mallinckrodt. Amount: \$169,500.00. July 18, 2003-July 20,2005. Co-Investigator. Principal Investigator: Shabbir Ezuddin, M.D.
16. A Phase III Multicenter, Randomized, Open-Label Trial Evaluating High Dose Melphalan plus Holmium-166-DOTMP versus High Dose Melphalan alone when given in conjunction with Peripheral Blood Stem Cell Transplantation in Patients with Multiple Myeloma. NEORX. Amount: 60,000, June 2000.
17. Phase II, Open Label, Non-Randomized, Multicenter Study of Interstitial 131I-ch TNT-1/B for the Treatment of Newly Diagnosed or Recurrent Malignant Glioma. TECHNICLONE. IRB 00./099. Amount: \$51,787. May 2000-December 2002.
18. A Phase III, Open-Labeled Non-Randomized Controlled, Multicenter Trial to Evaluate the Efficacy and Safety of IDEC-Y2B8 radioimmunotherapy in Patients with B-cell Non-Hodgkins Lymphoma who have not responded to prior Rituximab Therapy. IDEC. IRB99/107. Amount: \$8,500. July 1999-May 2000.
19. Double Blind-Placebo-Controlled Study of Samarium Sm-153 Lexidronam (Quadramet) for the Treatment of Asymptomatic Skeletal Metastases in Patients with Hormone Refractory Prostate Cancer. SCCC#2000-02 BERLEX LABORATORIES. IRB00/101. Amount: \$304,360. May 1, 2000-January 7, 2002.
20. A Multicenter, Open-Label Trial to Evaluate the Efficacy and Safety of IDEC-Y2B8 Radioimmunotherapy of Relapsed or Refractory Low-Grade or Follicular or Transformed B-Cell non-Hodgkins Lymphoma. IDEC PHARMACEUTICAL. IRB00/102. Amount: \$12,500. May 1, 2000-May 13, 2002.
21. Expanded Access Study of Iodine-131 Anti-B1 Antibody for Relapsed/Refractory Low-Grade and Transformed Low-Grade Non-Hodgkins

- Lymphoma. Glaxo-Smith-Kline. Protocol #: CP-98-020. IRB #:1999-0017. Principal Investigator. Amount: \$7,000. Dates: 2/20/01-05/24/12.
22. Phase I/II Study of 131-I Lym-1 in the Treatment of Intermediate or High Grade Refractory B-cell Non-Hodgkin's Lymphoma. Techniclone Corporation. IRB98/130. Amount: \$222,312. May 1998-December 1999.
  23. A Randomized Study of Iodine-131 Anti-B1 Antibody versus Anti-B1 Antibody in chemotherapy-Relapsed/Refractory Low Grade or Transformed Low-Grade Non-Hodgkin's Lymphoma. COULTER. IRB98/129. Amount: \$62,079. April 1998-June 2000.
  24. Phase I Safety Study of 131I-Lym-1 for the Treatment of Previously Treated Diffuse Large B-Cell Lymphoma. SCCC#2000-059. BERLEX. October 10, 2000-November 22, 2002.
  25. Staging of Non-Small Cell Lung Carcinoma by Diagnostic Imaging with ImmuRAID™-CEA. Immunomedics. Principal Investigator. Amount: \$45,000 Date: February, 1995, completed 1998.
  26. A Study of 131-I-Lym 1 at a Dose of 80 mCi/M2 in the Treatment of Refractory B-cell Non-Hodgkin's Lymphoma. Alpha Therapeutic. Principal Investigator. Amount \$73,500 Date: August 1996.
  27. Study of Intravenously Administered 111In-Capromab Pentetide in the Evaluation of Patients with Prostate Cancer. Cytogen Corporation. Principal Investigator. Amount: \$3,000 Date: July 1996-1997 (completed).
  28. Detection of Colorectal Carcinoma by Multiple Diagnostic Imaging of Fab' Fragment of the Anti-CEA Antibody IMMU-4 Labeled with Tc-99m. Protocol 1018B. Immunomedics Inc. Principal Investigator. Amount: \$58,000 Date: May 1995.
  29. Open-Label Study of Intravenously Administered 153-Sm-EDTMP (CYT-424) for the Treatment of Patients with Bone Pain Secondary to Metastatic Carcinoma. Cytogen Corporation Principal Investigator. Amount:\$12,500 Date: November, 1994-1997 (completed).
  30. Detection of Breast Carcinoma by Diagnostic Imaging of Fab' Fragment of the Anti-CEA Antibody IMMU-4 Labeled with Tc-99m. Immunomedics Inc. Principal Investigator. Amount: \$100,000 Date: Feb. 1994 (completed).
  31. Radioimmunoscinigraphy of Occult Colorectal Cancer with OnsoSpect (<sup>99m</sup>Tc-88BV9H21-2V67-66), a Totally Human Monoclonal Antibody Multicenter Study. Organon Teknika/AKZO. Principal Investigator. Amount: \$45,000. Date: March 1994 (Completed).
  32. Evaluation of the Safety and Efficacy of <sup>99m</sup>Tc-Labeled Antigranulocyte Antibody Fab' Fragment (IMMU-MN3) for the Diagnosis of Osteomyelitis in Patients with Diabetic Foot Ulcers. Immunomedics Inc. Principal

Investigator. Amount: \$55,000 Date: April 1993.

33. Evaluation of the Safety and Efficacy of <sup>99m</sup>Tc-Labeled Antigranulocyte Antibody Fab' Fragment (IMMU-MN3) in the Detection of Infected Prosthetic Joint. Immunomedics Inc. Principal Investigator. Amount: \$55,000 Date: April 1993.
34. Evaluation of the Safety and Efficacy of <sup>99m</sup>Tc-Labeled Antigranulocyte Antibody Fab' Fragment (IMMU-MN36) for the Diagnosis of Long Bone Osteomyelitis. Immunomedics Inc. Principal Investigator. Amount: \$55,000 Date: April 1993.
35. An Open Label Study to Evaluate the Use of a One day Rest/Stress. Principal Investigator. Amount: \$15,000 Awarded by Amersham Date: October 1992 (Completed)
36. Radioimmunoscinigraphy of Recurrent or Metastatic Colorectal Cancer with 99m-Tc88BV59H21-2V67-66, a Totally Human Monoclonal Antibody, Phase III Multicenter Study 9208. Principal Investigator. Amount: \$45000 awarded by PerImmune. Date: Dec. 1992 (Completed)
37. Sm-153-EDTMP as a Palliative Agent for Patients with Bone Metastases. Awarded by: Marrion Merrell Dow Inc. Principal Investigator. Amount: \$60,000 Date: May 1992 (Completed)
38. Detection of Colorectal Carcinoma by Multiple Diagnostic Imaging of Fab'. Principal Investigator. Awarded by Immunomedics Inc. Amount: \$52,000 Date: April 1992 (Completed)
39. Protocol of a Multicenter Phase III Clinical Study to Evaluate the Safety and Diagnostic Sensitivity and Specificity of Technetium 99m-Tetrofosmin in Patients with Ischemic Heart Disease. Principal Investigator. Awarded by Medi+Physics 2636 South Clearbrook Drive, Arlington Heights, IL 60005. Amount: \$60,000 Date: April 1992 (Completed).
40. Preoperative Immunoscinigraphy and Intraoperative Oncoprobe assisted detection of colorectal carcinoma after intravenous administration of <sup>99m</sup>Tc 88BV59H21-2. Principal Investigator. Awarded by: Orgonan Teknika Corporation/Biotechnology Research Institute, 1330-A, Piccard Drive, Rockville, Maryland 20850. Amount:\$118,000. Date: September 1991. (Completed)
41. Phase III Safety and Efficacy Study of <sup>111</sup>In-RWJ-28299-134 [<sup>111</sup>In-DTPA-immune serum globulin, human (intravenous)] in patients with suspected inflammation of infection. Principal Investigator. Awarded by R.W. Johnson Pharmaceutical Research Institute. Welsh and McKean Roads, Springhouse, Pennsylvania 19477-0776. Amount: \$50,000. Date: September 1991. (Completed)
42. Phase III Multicenter Study of Intravenously Administered and <sup>111</sup>In-CYT-356 in the Imaging of Prostate Cancer. Awarded by: Cytogen Corporation.



Amount:\$25,000-\$37,000. Date: July 1991. (Completed)

43. Phase I & II Study of the Detection of Colon Adenocarcinoma Using a Technetium-99m Labeled Human IgG Monoclonal Antibody. Principal Investigator. Awarded by Organon Teknika Corporation Biotechnology Research. Amount: \$93,750. Date: July 1991. (Completed)
44. Safety and Preliminary Efficacy of Intravenously Administered  $^{111}\text{In}$ -CYT-356 in the Imaging of Prostate Carcinoma. Principal Investigator, Awarded by Cytogen Corporation. Amount :\$31,250, Date: September 1990-March 1991. (Completed)
45. Detection of Occult Colorectal Carcinoma by Diagnostic Imaging of Fab' Fragment of the Anti-CEA Antibody IMMU-4 Labeled with Tc-99m. Principal Investigator. Awarded by Per Immune, Inc. Amount \$ 25,000. Date: November 1989-November 1990. (Completed)
46. Detection of Colorectal Carcinoma by Diagnostic Imaging of Fab' Fragment of the Anti-CEA Antibody IMMU-4 Labeled with Tc-99m. Awarded by Per Immune, Inc. Principal Investigator. Amount \$25,000. Date: November 1989-November 1990. (Completed)
47. Imaging and Treatment of Cancers with Monoclonal Antibody KC4. Awarded by Coulter Immunology Principal Investigator. Amount \$40,000. Date: November 1990. (Completed)
48. Clinical Investigation of  $^{99\text{m}}\text{Tc}$ -Teboroxime: Protocol No. 26742-6. Awarded by Squibb Diagnostics. Principal Investigator. . Amount \$8,000. Date: November 1989.(Completed).
49. Intravenously Administered  $^{111}\text{In}$ -CYT-103 in the imaging of ovarian carcinoma. Awarded by Cytogen Corp. Principal Investigator. Amount \$27,000. Date: August 1989 (Completed).
50. Phase 2 Study to evaluate Safety and Efficacy of  $^{111}\text{In}$ -OBIP [ $^{111}\text{In}$ -DTPA-Immune Serum globulin, Human (Intravenous)] in patients. Principal Investigator. Amount \$80,000. Awarded by NeoRx Date: January 1989-August 1989 (Completed).
51. Development of Troponin-subunit Specific Monoclonal Antibodies as Diagnostic Probes of Cardiac Tissue Damage. Co-Investigator. Principal Investigator along with. Dr.J. Potter. . Amount \$48,885. Florida High Tech Council. Date: 1988-1989.
52.  $^{99\text{m}}\text{Tc}$  HM-PAO (Ceretek) Stroke Study.Awarded by Amersham. Principal Investigator. Amount \$10,000. Date: January 1988-August 1989. (Completed).
53. Phase I/II Clinical Trial Detection of Carcinoma by Diagnostic Imaging of Fragments of Antibody NP-4, a Dose Study. Awarded by Immunomedics. Principal Investigator along with Dr. P. Benedetto. Amount \$36,000. Date:

May 1988-December 1988. (Completed)

54. A Phase III Trial of Technetium Labelled Monoclonal Antibodies in Patients with Melanoma-IND 2240. Awarded by NeoRx. Principal Investigator. Amount \$40,000. Date: April 1987-March 1988 (Completed).
55. A Trial of Technetium Labelled MoAb in Patients with Melanoma Imaged at Two Time Points. Amendment to BB IND 2240 Awarded by NeoRx. Principal Investigator. Amount \$10,000. Date: April 1988-May 1989. (Completed).
56. The Clinical Study of Melanoma Tumor Detection Comparing Indium Labelled Monoclonal Antibody type 96S and Indium Labelled ZME 018 in a Crossover Study. Awarded by Hybritech. Principal Investigator. Amount \$6,000. Date: 1986-1987 (Completed).

### **Research:**

1. Positron and Single Photon Emission Tomography Evaluation of Clinical Applications.
2. Molecular Imaging and Therapy with Monoclonal Antibodies for Radioimmunoscinigraphy and Radioimmunotherapy. Radiopharmaceuticals for Clinical Applications.
3. Receptor, peptide and antisense oligonucleotide probes for tumor detection and therapy with radioisotope.
4. Cardiovascular Imaging Agents – Clinical Efficacy and Safety Assessment
5. Utilization of Gamma Probes for Diagnosis and Radioimmunoguided Surgery
6. Radiopharmaceuticals for Pain Palliation
7. Utilization of gamma probes for diagnosis and radioimmunoguided surgery.

### **23. Editorial Responsibilities:**

MEMBER – Editorial Board, The Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2006-Present

REVIEWER, Journal of Nuclear Medicine/Society of Nuclear Medicine, Abstract Review for Annual Meeting, Renal Section, 2006-Present

MEMBER - Editorial Board of the Journal of Nuclear Medicine, 1993-2005

REVIEWER, CANCER, 1993-Present

REVIEWER, Journal of Nuclear Medicine, 1986-Present

EDITOR - The International Journal of Biological Markers, published by: Wichtig Editore, Via Friuli, Milano, Italy. Volume 12, Number 2, April-June 1997.

MEMBER - Editorial Board of Diagnostic Oncology 1993-1996

MEMBER - Editorial Board of Journal of Antibody, Immunoconjugates & Radiopharmaceutical 1993-1996

MEMBER - Editorial Board of Radiologia Diagnostica 1992-2005

MEMBER - EDITORIAL BOARD USA NUCCOMPACT, EUROPEAN/AMERICAN COMMUNICATIONS IN NUCLEAR MEDICINE, Published by GIT Verlag GmbH, 10 Alsfelder Strabe, D-6100 Darmstadt 11 1989-1991.

MEMBER - EDITORIAL BOARD, The International Journal of Biological Markers, 1990-1998.

CO-EDITOR: AVULSION AND STRESS INJURIES OF THE MUSCULOSKELETAL SYSTEM. J. Tehranzadeh, Serafini AN, M.J. Pais. Published by S. Karger AG Basel, Switzerland 1989

REVIEWER, American Journal of Neuroradiology, "Atlas of Clinical Positron Emission Tomography," 2<sup>nd</sup> Edition, Vol. 28, published May 2007, 2007-Present.

REVIEWER, Journal of Nuclear Medicine, 1986-Present.

EDITOR: MEDICAL IMAGING OF THE LIVER AND SPLEEN, Published by Appleton Century-Crofts, 1983.

EDITOR: PROGRESS IN NUCLEAR MEDICINE SERIES published by S. Karger AG, Basel, Switzerland

Volume 7 Neuro Nuclear Medicine, 1981.

Volume 6 Cardiovascular Nuclear Medicine, 1980.

Volume 4 Medical Cyclotrons in Nuclear Medicine, 1978.

Volume 5 Newer Radiogasses in Prac. 1978

Technetium-99m-Labeled Agents for Skeletal Imaging by James H. Thrall, for CRC Critical Reviews in Clinical Radiology and Nuclear Medicine, Vol. 8, Issue 1, Pgs 1-13, Aug. 1976.

EDITOR - Gallium Imaging in Current Clinical Practice. Published by CIS CIS Bio International, Greece. (Authors: George Panoutsopoulos, M.D., and Julia Christacopoulou, M.D.)

**Book Reviews:**

- Atlas of Clinical Positron Emission Tomography, 2<sup>nd</sup> Edition, Oxford University Press. *AJNR* 28:993, May 2007. Editor: Robert Quencer, M.D.
- Advances in Nuclear Oncology: Diagnosis and Therapy. *AJNR*: 29, September 2008 (publication date). Editor: Robert Quencer, M.D.

**Manuscript Review:**

- Prognosis and Reevaluation of Lung Cancer by PET Imaging. Proceedings of the American Thoracic Society, August 2008

**24. Professional and Honorary Organizations:**

- Fellow American College of Cardiology (FACC)
- Fellow of American College of Nuclear Physicians (FACNP)
- Society of Nuclear Medicine
- American Heart Association
- Radiological Society of North America
- Society of Magnetic Resonance in Medicine
- American College of Radiology
- American College of Nuclear Physicians

**Society Memberships and Offices:**

Vice President-Elect, Therapy Council, Society of Nuclear Medicine, 6/15/2001-6/15/2002.

Member, Therapy Council, Society of Nuclear Medicine, 2000-present.

Representative to the School Council, University of Miami School of Medicine, 1999-2000.

Member, Board of Directors, American Heart Association, Miami-Dade County Division, 1998-present.

Member, Continuing Medical Education Committee, Columbia Cedars Medical Center, 1997-present.

Member, Board of Directors - Clinical Trials Council, Society of Nuclear Medicine, 06/02/96 - 06/01/98.

Founding Full Member, American Society of Nuclear Cardiology, 1996-1998.

Faculty Senate Representative for the School of Medicine, 1995-1999.

President, Miami Metro Division, South Florida Chapter of the American Heart Association, 1996-1997.

Member, International Society for Clinical Densitometry, 1996-1997.

Member, Cedars Physician Alliance, August 1996-2007.

Member of the Scientific Program Committee, 21st Annual Meeting of the Board  
Member, American Heart Association, 1995-1996.

Member, 1995-96 House of Delegates of the Society of Nuclear Medicine.

Membership Committee of the American Society of Nuclear Cardiology.  
March 1995-96.

Member Therapy Council, Society of Nuclear Medicine 1993-1996.

Society of Nuclear Medicine, San Diego, CA, June 11-14, 1974.

Member of a Council on Correlative Imaging, Society of Nuclear Medicine  
1979-1980.

Vice-President, Council on Correlative Imaging, Society of Nuclear Medicine 1980-  
1981.

Member of the Continuing Education and Course Accreditation Subcommittee of the  
Society of Nuclear Medicine, June 22, 1979-1980.

Member of Standing Committee on Education and Training, Society of Nuclear  
Medicine, 1980-1985.

President, Florida Association of Nuclear Physicians, 1981-1983.

Trustee, Society of Nuclear Medicine 1983-1984.

Member, Special Committee on Public Relations, Society of Nuclear Medicine,  
1983-1987.

Council Member, Southeastern Chapter Society of Nuclear Medicine, 1983.

Member of the Executive Committee, University of Miami Hospital & Clinics, 1988-  
89.

Member of the Bylaws Committee, University of Miami Hospital & Clinics, 1988-89.

Chairman, Nuclear Radiology Section Florida Radiological Society. 1988-1989.  
Member Program Committee Southeastern Chapter. Society of Nuclear Medicine.  
1988.

Member, Cardiac Center Committee Cedars Medical Center. 1986-present.

Member International Society of Radiolabeled Blood Elements (ISORBE), The  
George Washington University. 1990.

Committee Member, Society of Nuclear Medicine, Standing Committee on Efficacy Evaluation. June 1989-June 1993.

Chairman, Committee on Radionuclide Therapy with Unsealed Sources, Society of Nuclear Medicine. 1992-1994.

President, Therapy Council, Society of Nuclear Medicine 1994-1995.

Member Associate of Clinical Pharmacology (ACP), 1992-Present.

## 25. Honors and Awards:

### Awards

Selected to be included in Who's Who in the World 2000, Millennium Edition, (special edition). Published by AN Marquis.

Selected to be included in Best Doctors in America, Published by Woodward/White, Inc, 1998-1999.

Selected to be included in Who's Who in the South and Southwest, Silver 25th Edition 1996-1997 & 1997-1998

Selected to be included in Best Doctors in America: Southeast Region Published by Woodward/White, Inc., 1996-1997.

Selected to be included in Best Doctors in America, Published by Woodward/White, Inc., 1994-1995.

Selected to be included in Best Doctors in America, Woodward/White, Inc., October 27, 1993.

26. Post-Doctoral Fellowships: None

## 27. Other Professional Activities:

### Visiting Professorships:

1. New Agents in Nuclear Oncology, University of Pretoria, South Africa, August 8, 1995.
2. Receptor Imaging with Peptides, University of Witwatersrand, Johannesburg, South Africa, August 7, 1995.
3. Nuclear Oncology Update for the Practicing Physician. Martin Memorial Medical Center, Stuart, Florida. June 27, 1995.

4. Treatment of Intractable Bone Pain from Metastatic Disease. Albert Einstein College of Medicine of Yeshiva University, Montefiore Medical Center, April 4, 1995.
5. Human Monoclonal Antibodies for the Radioimmunodetection of Cancer. Istituto Nazionale per lo studio e la cura dei Tumori. Milan, Italy, October 29- 30, 1992.
- 6 Somatostatin and MIBG Imaging in Neuro-endocrine Lesions. Albert Einstein College of Medicine of Yeshiva University, Montefiore Medical Center, April 4, 1995.
7. American Italian Scientific Exchange Program funded by the Italian Ministry of Public Instruction Post Graduate course on Medical Physics: "Biophysical analysis of human structures," University of Pavia, Pavia, Italy, October 19-26, 1988.
8. Diagnostic Role of Nuclear Medicine in the AIDS patient, University of Naples School of Medicine, Naples, November 9, 1987.
9. Current Status of Cardiac Magnetic Resonance Imaging given to the Medical Faculty of University of Pavia, Istituto di Radiologia Polyclinico San Matteo, Pavia, Italy, November 2, 1987.
10. American Italian Scientific Exchange Program funded by the Italian Ministry of Public Instruction. Postgraduate Course on Medical Physics: "Biophysical Analysis of Human structures - The role of new imaging modalities." University of Pavia, Pavia, Italy, November 2-November 6, 1987.
11. Ultrasound of the Aorta and Para-Aortic Structures. Postgraduate Course in Medical Sonics-Abdomen. Bowman Gray School of Medicine, Winston-Salem, NC, October 7, 1982.
12. Ultrasound of the Pancreas. Postgraduate Course in Medical Sonics Abdomen, Bowman Gray School of Medicine, Winston-Salem, NC, October 7, 1982.
13. Ultrasound of the Gallbladder and Biliary Tree. Postgraduate Course in Medical Sonics-Abdomen Bowman Gray School of Medicine. Winston-Salem, NC, October 6, 1982.
14. Ultrasound of the Liver, Post Graduate Course in Medical Sonics-Abdomen, Bowman Gray School of Medicine, Winston-Salem, NC, October 6, 1982.
15. Cardiovascular Nuclear Medicine. Groote Schuur Hospital, University of Cape Town Medical School, Cape Town, South Africa, August 22, 1975.
16. Radiopharmaceuticals in Clinical Diagnosis: Johannesburg General Hospital and University of Witwatersrand Medical School, Johannesburg, South Africa, August 7, 1975.

**Consultantships:**

1. Advisor, National Biomedical Tracer Facility Project of the University of Alabama, Birmingham, October 1994-1996.
2. Advisor, Member of the Advisory Council in Radiation Protection, Department of Health and Rehabilitative Services (HRS), December 1993.
3. Consultant for Grant Reviewers - Department of Energy.
4. Consultant, Experimental Therapeutics-2 (AHR-B1) Study Section. Sept. 11, 1990.
5. Advisor, NMR Group Member, State of Florida, Department of Health and Rehabilitative Services. Advisory Council on Radiation Protection, 1984-1985.
6. Consultant, NIH Grant Review: Tumor Imaging with Radiolabeled Monoclonal Antibodies University of Washington, Seattle, WA 98195, 1984.
7. Medical Advisory Conference, Honeywell Electronics for Medicine, Vail Colorado, September 2-3, 1982.
8. Veterans Administration Hospital, Miami Florida Consultant in Nuclear Medicine. 1975-1977.
9. Advisor, National Biomedical Tracer Facility Project of the University of Alabama, Birmingham, October 1994-1996.

**Scientific Presentations at National and International Meetings:**

1. Pryma DA, Barrett JA, Coleman RE, Noto R, Jimenez C, Pampaloni MH, Serafini AN, Wahl RL, Kostakoglu L, LaFrance NJ, Babich JW: Preliminary data from ongoing Phase IIb study of no carrier added <sup>131</sup>I-lobenguane (nca-MIBG) in patients with malignant pheochromocytoma (Pheo). ASCO - American Society of Clinical Oncology Annual Meeting, McCormick Place, Chicago, Illinois, June 3-7, 2011.
2. Kalkanis D, Ezuddin SH, Gomaa O, Georgiou MF, Serafini AN, Sfakiankais GN: Assessment of different phases of cardiac cycle before and after cardiotoxic chemotherapy using multiple-gated acquisition scan (MUGA) and volume time curves (VTCs) predicts cardiotoxicity earlier than ejection fraction alone (initial results). Radiological Society of North America 96th Scientific Assembly and Annual Meeting, McCormick Place, Chicago, Illinois, November 24-December 3, 2010.
3. Serafini AN: Fractionated Radioimmunotherapy (RAIT) Combined with Low Dose Radiosensitizing Gemcitabine in Advanced pancreatic cancer. 10<sup>th</sup>



Congress of the World Federation of Nuclear Medicine and Biology. Cape Town, South Africa, September 18-23, 2010.

4. Pennington K, Guarino MJ, Serafini AN, Rocha-Lima C, Suppiah K, Schneider CJ, Gold DV, Sharkey RM, Wegener WA, Goldenberg DM: Multicenter study of radiosensitizing Gemcitabine combined with fractionated radioimmunotherapy for repeated treatment cycles in advanced pancreatic cancer. ASCO - American Society of Clinical Oncology Annual Meeting. Orlando, FL, May 27, 2009.
5. Pennington K, Gulec S, Serafini AN, Rocha-Lima C, Gold DV, Sharkey RM, Horne H, Leoni M, Wegener WA, Goldenberg DM. Radiosensitizing Gemcitabine combined with radioimmunotherapy (RIT) in advanced pancreatic cancer: First therapy results. 2009 Gastrointestinal Cancers Symposium.
6. Molina MA, Goodwin JW, Moffat FL, Serafini AN, Sfakianakis GN, Avisar E: Intra-operative Use of PET Probe for Localization of FDG Avid Lesions. 61st Annual Symposium of the Society of Surgical Oncology Meeting of the Society of Surgical Oncology, Chicago, IL March 16, 2008.
7. Serafini AN, Heiba SI, Tumei SS, Jacobson AF: Influence of SPECT on interpretation of <sup>123</sup>I-mIBG scintigraphy in patients with known or suspected pheochromocytoma and neuroblastoma. Society of Nuclear Medicine Annual Meeting, New Orleans, LA, June 14-18, 2008.
8. Kuker RA, Georgiou MF, Gomez-Marin O, Serafini AN, Sfakianakis GN: Feasibility of an abbreviated protocol for dosimetry guided I-131 therapy Society of Nuclear Medicine Annual Meeting, Washington, DC, June 2-6, 2007.
9. Hans HS, Hsiao B, Serafini AN, Sfakianakis GN, Escalon M, Lossos I: Predictive value of PET scans in patients with aggressive Non-Hodgkin's Lymphoma treated with Rituximab containing regimens. Society of Nuclear Medicine Annual Meeting, Washington, DC, June 2-6, 2007.
10. Kuker RA, Serafini AN, Mirabolo I, Nini S, Sfakianakis GN: Correlation of I-131 Tositumomab biodistribution and FDG-PET positive in patients treated with Bexxar for Non-Hodgkin's Lymphoma. Society of Nuclear Medicine Annual Meeting, Washington, DC, June 2-6, 2007.
11. Linetsky E, Molano R, Pileggi A, Zahr E, Gonzalez-Quintana J, Collins J, Serafini AN, Paganelli G, Inverardi L, Ricordi C: Induction of hematopoietic chimerism using targeted bone marrow radioablation and transient immunosuppression results in long term islet allograft acceptance. 10th Annual World Congress of International Pancreas and Islets m m Transplantation Association. Geneva, Switzerland, May 4-7, 2005.
12. Serafini AN: Ho-166-DOTMP Skeletal Targeted Radiotherapy as Conditioning for Peripheral Blood Stem Cell Transplant for Patients with Multiple Myeloma. European Association of Nuclear Medicine Annual

Meeting. Helsinki, Finland, September 4-9, 2004.

13. Ezuddin SH, Policaro FG, Weed DR, Georgiou MF, Sfakianakis GN, Serafini AN: Ratio of quantitative analysis of four and twenty four hour Indium-111-Labeled Octreotide SPECT images can have a significant impact in the initial diagnosis and post-therapy management of paragangliomas of head and neck. Radiological Society of North America( Scientific Assembly and Annual Meeting Program), Abstract #SST22-02, 2004
14. Serafini AN: Therapeutic Nuclear Medicine. Meeting - PET Oncology and Multimodality Cardiovascular Imaging. 43rd Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine. Grosvenor Resort, Walt Disney World, Florida. September 13-15, 2002.
15. Serafini AN: Radioimmunotherapy: A Clinical Overview in the Treatment of non Hodgkin's Lymphoma. 2002 Annual Convention, Society of Nuclear Medicine Puerto Rico. Caribe Hilton Hotel, San Juan, Puerto Rico. September 13-14, 2002.
16. Serafini AN: Bone-seeking Therapeutic Radiopharmaceuticals - Current Status. Meeting - 18th UICC International Cancer Congress, Oslo, Norway. June 30-July 5, 2002.
17. Serafini AN: Radioisotopes in the Palliation of Bone Pain. Meeting - Radioisotope Therapy in Oncology, Nuclear Medicine and Haematology Study Day. Postgraduate Center, Royal Surrey County Hospital NHS Trust, Guildford, United Kingdom. May 9, 2002.
18. Serafini AN: Yttrium-90 labeled Ibritumomab Tiuxetan – The Practicalities: handling, preparation and cooperation between Nuclear Medicine and Oncology/Haematology Meeting – **Radioisotope Therapy in Oncology, Nuclear Medicine and Haematology Study Day**. Postgraduate Center, Royal Surrey County Hospital NHS Trust, Guilford, United Kingdom. May 9, 2002.
19. Serafini AN: Current and future developments in radioisotope therapy. **Florida Nuclear Medicine Technologist 31<sup>st</sup> Annual Meeting**. Adams Mark Hotel at the Florida Mall, Orlando, Florida. May 2-5, 2002.
20. Inverardi L, Linetsky E, Molano RD, Pileggi A, Serafini A, Paganelli G, Ricordi C: Long term skin allograft survival following donor specific chimerism induction with a novel targeted bone marrow radioablation and co-stimulatory blockade. **American Transplant Congress**, Washington, DC, April 26-May 1, 2002.
21. Davis T, Levy R, Kaminski M, Leonard J, Gregory S, Wahl R, Hsu F, Wilkinson M, Frankel S, Cohen P, Serafini A, Zelenetz A, Kroll S, Knox S: Results of a randomized study of Bexxar (Tositumomab and radiolabeled Tositumomab vs unlabeled Tositumomab in Patients with Relapsed or Refractory Low Grade or Transformed Non-Hodgkin's Lymphoma (NHL). Annual Meeting. **American Society of Hematology**, Orlando, Florida,

December 7-11, 2001.

22. Bensinger W, Giralt S, Goodman M, Champlin R, Eary J, Podoloff D, Serafini AN: 166-Ho-DOTMP plus Melphalan with or without total body irradiation (TBI) as preparative regimen for autologous hematopoietic stem cell transplant (AHSCT) in patients with multiple myeloma (MM): An updated safety and efficacy report of a Phase I/II clinical trial program. **Chemotherapy Foundation Symposium**, New York City, November 10, 2001.
23. Inverardi L, Linetsky E, Molano RD, Pileggi A, Serafini A, Paganelli G, Ricordi C: 153Sm Lexidronam: A novel targeted radioisotopic strategy for induction of stable multilineage chimerism. **10<sup>th</sup> Anniversary Congress of the Cell Transplant Society**, Keystone, Colorado, October 14-17, 2001.
24. Inverardi L, Linetsky E, Molano RD, Pileggi A, Serafini A, Paganelli G, Ricordi C: Long term skin allograft survival following donor specific chimerism induction with a novel targeted bone marrow radioablation and co-stimulatory blockade. **10<sup>th</sup> Anniversary Congress of the Cell Transplant Society**, Keystone, Colorado, October 14-17, 2001.
25. "Metastatic Bone Pain: Innovative Management". **University of Texas - Medical Branch**, Galveston, Texas, June 23, 2000. Sponsored by Berlex Laboratories.
26. "Systemic Metabolic Radiotherapy of Bone Pain". **Sixteenth Annual Meeting of the Detroit Metropolitan Nuclear Radiology Club**, POH Medical Center, Corporate Services Building Auditorium, Detroit, Michigan, April 25, 2000.
27. "Metastatic Bone Pain: Innovative Management". **New York Roentgen Society, Section on Radiation Oncology**, The New York Academy of Medicine, New York, New York, April 13-14, 2000.
28. "Radioimmunotherapy in the Treatment of Lymphoma". **Annual Meeting of the European Society of Nuclear Medicine**. Barcelona, Spain, October 9-13, 1999.
29. "Palliation of Pain Associated with Metastatic Bone Cancer Using Radioisotopes". Sponsored by **Physicians' Education Resource (PER) Third Annual Winter Oncology Conference, Supportive Care in Cancer**. Whistler, British Columbia, Canada, March 17-21, 1999.
30. "Oncology Update". **Greater New York Chapter, Society of Nuclear Medicine**. Atlantic City, New Jersey, April 9-10, 1999.
31. "Therapeutic Advances in Metabolic Radiotherapy in the Treatment of Painful Bony Metastatic Disease". Ecco 10 - **The European Cancer Conference**. Vienna, Austria, September 12-16, 1999.

32. "Treatment of Bone Disease with Samarium-153". **Second North American Symposium on Skeletal Complications of Breast Cancer**. Paget's Foundation and NCI. Montreal, October 15-16, 1999.
33. "Samarium Sm-153 Lexidronam for the Palliation of Bone Pain Associated with Metastases". **Second North American Symposium on Skeletal Malignancy**, Montreal, Quebec, Canada, October 15-16, 1999.
34. "Radiopharmaceuticals in Breast Cancer Management". **Focus on Tumors: Breast Cancer**. Sponsored by the University of Miami School of Medicine/Bristol-Myers Squibb Oncology. Sylvester Comprehensive Cancer Center, Miami, Florida, October 15, 1998.
35. "Lymphoscintigraphy for Melanoma and Breast Cancer". **1998 Annual Meetings of the Florida Radiological Society and Florida Radiology Business Managers Association: Radiology Update 1998**. The Breakers, Palm Beach, Florida, July 10-12, 1998.
36. "Palliation of Pain Associated with Metastatic Bone Cancer using Samarium Sm-153 Lexidronam: A Double Blind Placebo Controlled Clinical Trial". Updates of Current Topics in Nuclear Medicine and Nuclear Radiology. **28th Annual Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine**, Sheraton Fountainebleau Ocean Highway, Ocean City, Maryland. April 24-26, 1998.
37. CEA, Oncoscint and Prostatic Scintigraphy in Clinical Practice. **25th Annual Meeting of the American College of Nuclear Medicine**, Crowne Plaza Hotel, Las Vegas, Nevada. January 30-February 1, 1998.
38. Palliative Treatment of Bone Pain with Radionuclides. "**Nuclear Medicine 1997**", accredited by the Albert Einstein College of Medicine and sponsored by the Department of Nuclear Medicine at Montefiore Medical Center. Marriott's Frenchman's Reef Beach Resort, St. Thomas, U.S. Virgin Islands, January 13-17, 1997.
39. Immunoimaging in Ovarian Cancer. "**Nuclear Medicine 1997**", accredited by the Albert Einstein College of Medicine and sponsored by the Department of Nuclear Medicine at Montefiore Medical Center. Marriott's Frenchman's Reef Beach Resort, St. Thomas, U.S. Virgin Islands. January 13-17, 1997.
40. Somatostatin Receptor Imaging. "**Nuclear Medicine 1997**", accredited by the Albert Einstein College of Medicine and sponsored by the Department of Nuclear Medicine at Montefiore Medical Center. Marriott's Frenchman's Reef Beach Resort, St. Thomas, U.S. Virgin Islands. January 13-17, 1997.
41. Breast Scintigraphy: Sestamibi, Antibodies, Somatostatin, Sentinel Node Localization. "**Nuclear Medicine 1997**", accredited by the Albert Einstein College of Medicine and sponsored by the Department of Nuclear Medicine at Montefiore Medical Center, Marriott's Frenchman's Reef Beach Resort, St. Thomas, U.S. Virgin Islands. January 13-17, 1997.

42. New Concepts in Thyroid Cancer Treatment. "**Nuclear Medicine 1997**", accredited by the Albert Einstein College of Medicine and sponsored by the Department of Nuclear Medicine at Montefiore Medical Center. Marriott's Frenchman's Reef Beach Resort, St. Thomas, U.S. Virgin Islands. January 13-17, 1997.
43. Avances de la Medicina Nuclear en el Diagnostico y Evaluacion de la Cardiopatia Isquemica. **Sociedad Dominicana de Cardiologia**, Inc. y Columbia Cedars Medical Center de Miami, Santo Domingo, Hotel V Centenario Intercontinental, Santo Domingo, Dominican Republic. November 1-2, 1996.
44. Serafini AN. Nuclear Medicine Workshop: Perioperative Collaboration between Nuclear Medicine and Surgery. Presented at **Scintigraphy and Operative Probe Detection of Radiolabeled Lymph Nodes and Neoplasms**, sponsored by the Division of Oncology, Department of Surgery, University of Miami School of Medicine. Hotel Sofitel Miami, Miami, Florida, October 26, 1996.
45. Serafini AN, Gulec SA, Sfakianakis GN, Chirinos RE, Franceshi D, Moffat FL: CEA Scan in the Diagnosis and Staging of Breast Cancer. **Southeastern Chapter of the Society of Nuclear Medicine**, Swiss Hotel, Atlanta, Georgia, October 17-20, 1996.
46. Ezuddin SH, Kayden D, Vuong H, Martinez R, Sfakianakis GN, Serafini AN: Preliminary Experience Utilizing 24 hour Thallium Redistribution following Dual Thallium Rest/Sestamibi Stress Isotope Protocol. **Southeastern Chapter of the Society of Nuclear Medicine**, Swiss Hotel, Atlanta, Georgia, October 17-20, 1996.
47. Serafini AN, Gulec SA, Gill MT, et al: Somatostatin Receptor Imaging with Indium-111 Pentreotide (Octreoscan). **22<sup>nd</sup> Annual Meeting & Scientific Session of the American College of Nuclear Physicians**, San Juan, Puerto Rico, January 9-13, 1996.
48. Serafini AN, Method MW, Averette HE, Serrone MA: Radioimmunosintigraphy of Ovarian Cancer. **Society of Nuclear Medicine**, Denver, Colorado, June 2-6, 1996.
49. Serafini AN. Octreotide and Sestamibi for Imaging Solid Tumors. Presented at **Scintigraphy and Operative Probe Detection of Radiolabeled Lymph Nodes and Neoplasms**, sponsored by the Division of Oncology, Department of Surgery, University of Miami School of Medicine. Hotel Sofitel Miami, Miami, Florida, October 26, 1996.
50. Serafini AN, Gulec SA, Sfakianakis GN, et al. The Clinical use of Indium-111 Pentetretotide (OctreoScan). **Southeastern Chapter of the Society of Nuclear Medicine**, Grosvenor Resort Walt Disney World, Florida, October 20-22, 1995.

51. Sfakianakis GN, Zilleruelo G, Cavagnaro F, Gargano CA, Georgiou M, Almanzar M, Ezuddin S, Mallin W, Ganz W, Serafini AN, Strauss J: A Prospective Comparative DMSAa and MAG3 Study in Acute Pyelonephritis. **Radionuclides in Nephrology Meeting**, Sante Fe, New Mexico, May 1-3, 1995.
52. Whiteman MLH, Serafini AN, Telischi FF, Civantos F, Falcone S. In-111-Octreotide Scintigraphy in the Evaluation of Suspected Lesions of the Head and Neck. Presented at the **American Society of Neuroradiology Meeting** in Chicago, Illinois 1995; and the American Society of Head and Neck Radiology, sponsored by the University of Pittsburgh, Pittsburgh, Pennsylvania, April 23-27, 1995
53. Elgarresta LF, Serafini AN, Ganz WI, et al. Octreotide scintigraphy in neuroendocrine tumors - Preliminary experience. Presented at the 100th Annual Meeting of **Radiological Society of North America**, Chicago, November 29, -December 2, 1994.
54. Sfakianakis GN, Irvin G,III, Foss J, Georgiou M, Mallin W, Ezuddin S, Ganz W, Serafini AN, Jabir M, Chandarlapaty S. Efficient Parathyroidectomy after Enhanced Three-Dimensional (SPECT/Reprojection) Preoperative Localization with Tc-99m-Sestamibi (and other agents) and Intraoperative Hormonal Measurements. 150th Meeting of the **Southern Surgical Association**, Hot Springs, Virginia, December 5-8, 1993.
55. Serafini AN: Use of Sm-153-EDTMP in Painful Bone Metastases: A Tutorial on Palliation, a report presented for the Task Force on Unsealed Sources. **Society of Nuclear Medicine Western Chapter 18<sup>th</sup> Annual Meeting**, Kansas City, Missouri, October 28-31, 1993.
56. Serafini AN: Clinical and Technical Role of Indium-Labeled Antibodies for the Detection of Colorectal and Ovarian Cancer. **Society of Nuclear Medicine Southeastern Chapter 33<sup>rd</sup> Annual Meeting**, Clearwater Beach, Florida, October 8-10, 1993.
57. Serafini AN, Vargas-Cuba R, Watson C, Devlin S, McGill-Clare D, Dewanjee MK, Rauh D, Neptune M, Chan J, Furlong RB, Sfakianakis G. Phase III Safety and Efficacy Study of <sup>111</sup>In-RWJ 28299-134 (<sup>111</sup>In-DTPA-IGG) in Patients with Suspected Inflammation or Infection. Proceedings **40th Annual Meeting of the Society of Nuclear Medicine**, Toronto, Ontario Canada, June 8-11, 1993.
58. Serafini AN, Vargas-Cuba R, Moffat F, Benedetto P, Ardalan B, Dewanjee MK, DeJager R, Sfakianakis G. Radioimmunosintigraphy (RIS) of Colorectal Cancer with Tc-99m Labeled Whole Human Monoclonal Antibody (HMOAB) 88BV59H21-2. Proceedings **40th Annual Meeting of the Society of Nuclear Medicine**, Toronto, Ontario Canada, June 8-11, 1993.
59. Dewanjee MK, Panosutsopoulus GK, Gharifouripour AK, Kapadvanjwala M, Ganju-Krishan A, Glen S, Vargas-Cuba R, Serafini AN, G. N. Sfakianakis. Metabolic fate of Indium-111 labeled antisense Deoxioligonucleotide

- (ASDON) in a pig model. Proceedings of the **Miami Biotechnology Winter Symposium**, Miami Beach, Florida, January 17-22, 1993.
60. Human monoclonal antibodies for the radioimmunodetection of cancer. **Radioimmunosciintigraphy and Radioimmunotherapy New Technical Approaches and New Immunoreagents**. Milan, Italy, October 29-30, 1992.
  61. Nuclear medicine in clinical diagnosis, MRI, PET. **Nineteenth Annual Board Review Course in Internal Medicine**. "Fundamental and Clinical Aspects of Internal Medicine". Sheraton Brickell Point, Miami, Florida, August 8-16, 1992.
  62. De Jager R, Abdel-Nabi H, Serafini AN, et al. Radioimmunosciintigraphy (RIS) of Colorectal Cancer with Human Monoclonal Antibody (Ab) 88BV59. **Advances in the Applications of Monoclonal Antibodies in Clinical Oncology**. Porto Carras, Northern Greece. May 4-6, 1992
  63. Clinical Experience with Tomography and Tc-99m-Teboroxime. Harvard Medical School Department of Continuing Education, The Joint Program in Nuclear Medicine at the Beth Israel Hospital, Brigham and Women's Hospital, Children's Hospital, Dana-Farber Cancer Institute, and Brockton/West Roxbury V.A. Medical Center. **Clinical Nuclear Medicine Meeting**. Boston, Massachusetts, April 13-16, 1992.
  64. Serafini AN, Tomographic Spect Myocardial Imaging - A Comparative study between 99mTc-Teboroxime (Tebo) and 201 Thallium. **38<sup>th</sup> Annual Meeting of the Society of Nuclear Medicine** Cincinnati, Ohio, June 11-14, 1991.
  65. Serafini AN, Andrew F, Jimenez H, Befeler B, et al. Tomographic Teboroxime Myocardial Imaging Clinical Useful **American Roentgen Ray Society Annual Meeting**. Boston, MA. May 5-10, 1991.
  66. Evaluation of Factors Affecting SPECT Derived Data for Application in Dosimetry. **Fifth International Radiopharmaceutical Dosimetry Symposium**. Oak Ridge, Tennessee, May 7-10, 1991.
  67. Evaluation of a direct method for radiopharmaceutical dosimetry based on SPECT acquired data. Proceedings of the **5th International Radiopharmaceutical Dosimetry Symposium**, Oak Ridge, Tennessee, May 7-10, 1991.
  68. Tc-99m labeled Fab' fragment of anti-CEA antibody (IMMU-4) for the RAID of colorectal carcinoma. **Third Conference on Radioimmunodetection and Radioimmunotherapy of Cancer**. Sponsored by the American College of Radiology, Princeton Marriott Forrestal Village, New Jersey, November 15-17, 1991.
  69. Immunoscintigraphic Detection of Acute and Chronic Infection/Inflammation with 111-In-Labeled Human Immunoglobulin. **37th Annual Meeting of the Society of Nuclear Medicine**, Washington, DC June 18-22, 1990.

70. Basic Principles and Diagnostic/Therapeutic Aspects of Monoclonal Antibodies. **Nineteenth Annual Meeting Florida Nuclear Medicine Technologists**. Orlando, FL, May 20-23, 1990.
71. Enalaprilat (IV) scintigraphy in the diagnosis of Renovascular Hypertension. **37th Annual Meeting of the Society of Nuclear Medicine**, Washington, D.C., June 18-22, 1990.
72. Intravenously administered <sup>111</sup>In-CYT-103 in the imaging of ovarian carcinoma correlative findings with standard imaging, surgery and pathology. **5th International Conference on Monoclonal Antibody Immunoconjugates for Cancer**, University of California, San Diego, CA, March 14-17, 1990.
73. A new efficient platelet labeling method with Tc-99m via neutral and lipid soluble SN(II)-complex and comparative evaluation with Tc-99m HMPAO labeled platelets. **5th International Symposium on Radiolabeled Cellular Blood Elements**, Vienna, Austria, September 10-14, 1989.
74. Spect rCBF in HIV-Seropositive, Non-AIDS, Non-ARC, Non-IV-Drug abusers. **Southeastern Chapter of the Society of Nuclear Medicine**, 30th Annual Meeting, Kissimmee, FL, October 27-29, 1989
75. In-111-labeled Non-specific Human Immunoglobulin: Potential New Tracer for Scintigraphic Imaging of Inflammation and Infection. 75th Scientific Assembly and Annual Meeting. **Radiological Society of North America**, Chicago, November 26-December 1, 1989.
76. The use of monoclonal antibody screening in ovarian carcinoma. 12th Annual Oncology Update "Advances in Gynecologic Oncology," Miami, FL, March 9-10, 1990.
77. Colorectal Carcinoma detected by <sup>123</sup>I labeled Anti CEA Monoclonal Antibody fragments: Correlation of Planar and SPECT scintigraphy. **Fourth International Conference on Monoclonal Antibody Immunoconjugates for Cancer**. San Diego Marriott Hotel and Marina, San Diego, CA, March 30-April 1, 1989.
78. A Multicenter Trial of Cancer Imaging with Fragments of CEA Monoclonal Antibodies. **Society of Nuclear Medicine**, 36th Annual Meeting Cervantes Convention Center, St. Louis, MO, June 13-16, 1989.
79. A new Scintigraphic Method for Diagnosing Inflammations/Meetings Infections, Using In-111-Labeled Non Specific Human IgG. **European Association of Nuclear Medicine Congress**, Strasbourg, France, August 28-September 1, 1989.
80. Scintigraphic Detection of colorectal carcinoma with I-123 labeled Fab and Fab'<sub>2</sub> fragments of anti-CEA antigen antibody NP-4. **Radiological Society of North America**, November 27-December 2, 1988.



81. Radioimmuno-detection of Colorectal Cancer with I-123 Labelled Anti-CEA Monoclonal Antibody Fragments. Second Conference on **Radioimmuno-detection and Radioimmunotherapy of Cancer**. Scanticon Hotel, Princeton, NJ, September 8-10, 1988.
82. Anti-Melanoma Tc-99m Fab Antibody for Imaging Metastatic Melanoma. **American Society Clinical Oncology Annual Meeting**. New Orleans, LA, May 22-24, 1988.
83. Diagnostic Pattern of Lymphocytic Interstitial of Lymphocytic Interstitial Pneumonitis on Gallium Scintigraphy. Accepted as part of meeting highlight presentation to the **Scientific Assembly of the Society of Nuclear Medicine**, San Francisco, June 14-17, 1988.
84. Tc-99m Labelled Monoclonal Antibodies in the Detection of Metastatic Melanoma (MM) - Clinical Experience in a Phase III Study. **The Society of Nuclear Medicine. 35th Annual Meeting**. George R. Moscone Convention Center, San Francisco, June 14-17, 1988.
85. Detectability of Metastatic Melanoma with Tc-99m-Monoclonal Antibody Agents. **Third Congress of the South African Society of Nuclear Medicine**, Bloemfontein, South Africa, August 15-18, 1988.
86. Specific Tc-99m-Labelled Antimelanoma Murine Monoclonal Antibody (NR-ML-OS) Scintigraphy in Patients with Malignant Melanoma (MM). **European Nuclear Medicine Congress**. Centra Congressi Milanofiori, Milan, Italy, August 29-September 2, 1988.
87. The Role of Nuclear Medicine for Diagnosis of Head and Neck Diseases. **Current Clinical Concepts in Otolaryngology**. University of Miami School of Medicine. Sheraton Bal Harbour, Bal Harbour, FL, March 10-12, 1988.
88. Bone Mineral Loss in the Femurs of Spinal Cord Injured Individuals. Submitted, **Southeastern Chapter of the Society of Nuclear Medicine**. October 15-19, 1987.
89. Diagnostic Pattern of Ga-67 Lung Uptake in AIDS Patients Submitted to the **Southeastern Chapter of the Society of Nuclear Medicine**. October 15-19, 1987.
90. Imaging Melanoma with Anti-Melanoma Tc-99m Fab Antibody. **Third International Conference on Monoclonal Antibody Immunoconjugates for Cancer**. San Diego Marriott Hotel, San Diego, February 4-6, 1988.
91. Use of Liver-Spleen Scintigraphy to Detect Immune Status and Kaposi's Sarcoma in AIDS Patients. **73rd Scientific Assembly of The Radiological Society of North America**. November 29-December 4, 1987.
92. Karatzas ND, Sfakianakis GN, Pappas D, Heal A, Duncan R, Kung HF, Serafini AN: Hypercapnia Induced Increase in Regional Brain Accumulation of I-125 HIPDM in Health Conscious Rats with Different Body Weight (Age).

**IV World Congress, World Federation of Nuclear Medicine and Biology,**  
Buenos Aires, November 2-7, 1986.

93. Advantages of Modified Oblique Cardiac MRI Projections. 26th Annual Meeting of the **Southeastern Chapter of the Society of Nuclear Medicine**, October 31-November 2, 1987.
94. Use of Peak Filling Rate (PFR) to Detect Early Anthracycline Cardiotoxicity. 26th Annual Meeting of the **Southeastern Chapter of the Society of Nuclear Medicine**, October 31-November 2, 1987.
95. Cardiac MRI Using Modified Oblique Projections. American College of Cardiology Meeting, New Orleans, LA, March 8-12, 1987.
96. Clinical Value and Utility of MRI. 27th Annual Meeting of the Southeastern Chapter of the **Society of Nuclear Medicine**. Nashville, Tennessee, October 31-November 2, 1986.
97. Hypercapnia Induced Increase in Regional Brain Accumulation of I-125 HIPDM in Healthy Conscious Rats with Different Body Weight (Age). Sheraton Hotel, Buenos Aires, Argentina, November 2-7, 1986.
98. Active Valvular Vegetations Detected by Cardiac MRI. 26th Annual Meeting of the **Southeastern Chapter of the Society of Nuclear Medicine**. October 21-November 2, 1986.
99. Changes in Left Ventricular Function in Patients with Intra-Aortic Balloon Pump. 26th Annual Meeting of the **Southeastern Chapter of the Society of Nuclear Medicine**. Diplomat Resort Hotel, Hollywood, FL, October 23-26, 1985.
100. Technically Caused Artifact and False Positive Result in SPECT Thallium Imaging. 26th **Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine**. Diplomat Resort Hotel, Hollywood, FL, October 23-26, 1985.
101. Quantitative SPECT Imaging of I-131 (364 KeV). **26th Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine**. Diplomat Resort Hotel, Hollywood, FL, October 23-26, 1985.
102. SPECT Radionuclide Bone and Gallium Imaging in Patients with Malignant External Otitis. **26th Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine**. Diplomat Resort Hotel, Hollywood, FL, October 23-26, 1985.
103. SPECT. Variation of Center of Rotation Value with Magnification. **Society of Nuclear Medicine, 31st Annual Meeting**, Los Angeles, CA June 5-8, 1984.
104. Comparison of Peak Filling Rate of Left Ventricle Pre and Post Coronary Bypass Graft in Patients with and without Myocardial Infarction. **Society of Nuclear Medicine 31st Annual Meeting**, Los Angeles, CA. June 5-8, 1984.

105. Influence of Photon Scattering and Penetration on Back-projected Noise with Tomographic Plane. **Society of Nuclear 31st Annual Meeting**, Los Angeles, CA, June 5-8, 1984.
106. Assessment of Systematic Errors in the Calibration of SPECT Systems for I-131 Dosimetry Estimations in Radioimmunotherapy. **Society of Nuclear Medicine 31st Annual Meeting**, Los Angeles, CA, June 5-8, 1984.
107. Gastric Emptying of Solids; When Should We Sample? Brain Pertechnetate SPECT in Perinatal Asphyxia. **Society of Nuclear Medicine, 31st Annual Meeting**, Los Angeles, CA, June 5-8, 1984.
108. Circulatory Assist Device to Prevent Deep Vein Thrombosis due to Stasis. **Ninth Annual Meeting and Exhibit Program, Association for the Advancement of Medical Instrumentation**. New Orleans, LA, April 20, 1984.
109. Collimator Choice for Differential Uptake Measurements Using SPECT Imaging with I-123. **Society of Nuclear Medicine, 31st Annual Meeting**, Los Angeles, June 5-8, 1984.
110. Serafini AN, Ihmeidan, IH, Sfakianakis, GN: "Scintigraphy of the Painful Hip" in Proceedings of the **21 st International Meeting of the Society of Nuclear Medicine Europe**. Ulm/Neu Ulm, West Germany, Sep. 13-16, 1983.
111. Clarke LP, Gentili M, Saw CB, Serafini AN: SPECT Collimation for Medium-High Photon Energy: Influence of Spatial Resolution and Image Contrast Within Transverse Tomographic Plane. Nato Advanced Study Institute. **Proceedings, Physics and Engineering of Medical Imaging**, Maratea, Italy, October 1984 (published in 1985).
112. Comparison of Single and Dual Coil Pulsed NMR Methods for Measuring Fluid Flow. **24th Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine**. Kissimmee, FL, October 27-29, 1983.
113. Scrotal Scintigraphy for the Evaluation of Testicular Epididymal Pathology. **Society of Nuclear Medicine**, St. Louis, July 7, through 10, 1983.
114. Correlation of In-111 Platelet Clearance, scintigraphy and Distribution Studies in Experimental and Clinical Immune Thrombocytopenia. **Society of Nuclear Medicine**, St Louis, Missouri, July 7-10, 1983.
115. Radioimmunoimaging of Experimental Syngeneic Prostatic Adenocarcinoma in Rats. **Society of Nuclear Medicine**, St. Louis, Miss. July 7-10, 1983.
116. Value of Real Time Ultrasound in the Investigation of Thyroid Disorders. **23rd Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine**. Radisson Plaza Hotel and Charlotte Civic Center. Charlotte, NC, October 28, 1982.

117. Intestinal Visualization prior to Gall Bladder Visualization during the First Hour Study. A Clue to Chronic Cholecystitis in Biliary Scintigraphy. **23rd Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine**. Radisson Plaza Hotel and Charlotte, NC, October 29, 1982.
118. NMR Imaging Systems: Factors Important in System Choice. **23rd Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine**. Radisson Plaza Hotel and Charlotte Civic Center. Charlotte, NC, October 30, 1982.
119. Scintigraphy of the Painful Hip. **21st Annual Meeting of the European Society of Nuclear Medicine**. Ulm, West Germany, September 13-16, 1983.
120. Phase Analysis in Patients with Wolf-Parkinson-White Syndrome Before and After Pharmacological Intervention. **24th Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine**. Kissimmee, FL, October 27-29, 1983.
121. Theoretical Analysis of Two Pulsed NMR Techniques, as Applied to Flow Measurements. **67th Scientific Assembly and Annual Meeting, Radiological Society of North America**. Chicago, November 16, 1981.
122. Biliary Scintigraphy in Acute Pancreatitis. **67th Scientific Assembly and Annual Meeting, Radiological Society of North America**. Chicago, November 16, 1981.
123. Comparison of Ultrasound and Biliary Scintigraphy in Detecting Biliary Pancreatitis. **22nd Annual Meeting, Southeastern Chapter, Society of Nuclear Medicine**. Cincinnati, October 29, 1981.
124. Abnormal Dynamic Scintigraphy in Hydrocephalus. A Proposed Mechanism. **60th Scientific Assembly and Annual Meeting of the Radiological Society of North America**. Chicago, December 1-6, 1974.
125. Clinical Safety of I-125 Labeled Fibrinogen Radiopharmaceutical from Screened Individual Donors. **22nd Annual Meeting of the Society of Nuclear Medicine**. Philadelphia, June 18, 1975.
126. Iodine-123 Rose Bengal in the Evaluation of the Jaundiced Patient. **22nd Annual Meeting of the Society of Nuclear Medicine**. Philadelphia, June 20, 1975.
127. Clinical Evaluation of Iodine-123 Rose Bengal. **IV International Symposium On Nuclear Medicine** Marlovy Vary, Czechoslovakia, May 20-23, 1975.
128. Role of Echocardiography in the Assessment of Etracardiac Masses. First Meeting of the World Masses. **First Meeting of the World Federation of Ultrasound in Medicine and Biology**. San Francisco, August 1976.
129. Grey Scale Ultrasonography and Rose Bengal Scintigraphy in the Evaluation of the Jaundiced Patient. **62nd Scientific Assembly and Annual Meeting**

- of the Radiological Society of North America.** Chicago, November 14-19, 1976.
130. Grey Scale Ultrasonography in the Jaundiced Patient. **Annual Meeting of the Southern Medical Association.** New Orleans, November 1976.
  131. Gastrointestinal Nuclear Medicine. **IV Argentinian National Congress of Gastroenterology.** Cordoba, Argentina April 27, through May 2, 1980.
  132. Role of Scintigraphy in the Evaluation of the Liver and Biliary Tree. **IV Argentinian National Congress of Gastroenterology,** April 27, through May 2, 1980.
  133. Real Time Ultrasonography of the Thyroid. **66th Scientific Assembly and Annual Meeting of the Radiological Society of North America.** Dallas, November 16-21, 1980.
  134. Complementary Role of Real Time Carotid Ultrasound, Doppler, OPG and Nuclear Imaging in the Diagnosis of Carotid Vessel Disease: **A Symposium on Correlative Imaging. Society of Nuclear Medicine.** Las Vegas, June 15, 1981.
  135. Simplified Techniques for Radioangiographic Analysis-Cath Correlations. **60th Scientific Assembly and Annual Meeting of the Radiological Society of North America.** Chicago, December 1-6, 1974.
  136. Techniques for Heart Lung Imaging. **60th Scientific Assembly and Annual Meeting of the Radiological Society of North America.** Chicago, December 1-6, 1974.
  137. Dynamic Scintigraphic in Primary and Secondary Malignant Intra-Cranial Neoplasms. **59th Scientific Assembly and Annual Meeting of the Radiological Society of North America.** Chicago, November 27, 1973.
  138. A Comparison of Tc-99m-PIPIDA with I-131 Rosebengal in the Diagnosis of Biliary Atresia in the Neonate with Direct Reacting Bilirubin. **Society of Nuclear Medicine, 31st Annual Meeting,** Los Angeles, June 5-8, 1974.
  139. Circulatory Assistance Device to Prevent Deep Vein Thrombosis due to Stasis. **Ninth Annual Meeting and Exhibit Program, Association for the Advancement of Medical Instrumentation.** New Orleans, April 20, 1974.
  140. Initial Clinical Experience in the Evaluation of 123-I-Rose Bengal. 15th Annual Meeting, **Southeastern Chapter of the Society of Nuclear Medicine.** St. Petersburg, Florida, October 31, 1974.
  141. Bone Scintigraphy Comparing 99m-Tc-Diphosphonate. **59th Scientific Assembly and Annual Meeting of the Radiological Society of North America.** Chicago, November 27, 1973.
  142. Computer Assisted Quantitative Scintiscanning Compared to Radiography

in Evaluating Response to Therapy in Paget's Disease. **XIII International Congress of Radiology** Madrid, Spain, October 17, 1973.

143. Paget's Disease: A Method of Evaluation of Response to Therapy Using the Anger Scintillation Camera on Line to a Computer. **Twentieth Annual Meeting of the Society of Nuclear Medicine**. Miami Beach, FL, June 12, 1973.
144. Scintigraphy of Breast Masses. **59th Scientific Assembly and Annual Meeting of the Radiological Society of North America**. Chicago, November 27, 1973.

#### **Invited Outside Lectureships:**

1. Radioimmunotherapy: An Option for Managing Non-Hodgkin's Lymphoma. Palm Beach Cancer Institute, West Palm Beach, Florida, October 29, 2009.
2. Therapeutic Radioisotopes for Treating Bone Metastases. 5<sup>th</sup> International Symposium on Supportive Care in Oncology: Cancer Management in the Era of Targeted Agents. New York, New York, February 23-24, 2007.
3. Advances in Non-Hodgkin's Lymphoma: A Focus on Radioimmunotherapy: The Nuclear Medicine Physician's Perspective. Sponsored by the Institute for Continuing Healthcare Education, the Louis J. Novak, MD Medical Education Fund, Memorial Regional Hospital, Hollywood, Florida, and The Leukemia and Lymphoma Society. Improving Patient Odds: Radioimmunotherapy as Treatment for Non-Hodgkin's Lymphoma, Hollywood, Florida, October 27, 2006.
4. Quadramet in Patients with Painful Bone Metastases. Sponsored by the University of Mississippi Medical Center and the Mississippi Society of Nuclear Medicine. Nuclear Medicine Update – 29<sup>th</sup> Annual Meeting, Hilton Hotel and Convention Center, Jackson, Mississippi, March 11, 2006.
5. Management of Pain in Metastatic Bone Disease. Sponsored by Halifax Medical Center. Tumor Conference, Halifax Medical Center, West Palm Beach, Florida. June 29, 2005.
6. Molecular Imaging and Therapy with Radiopharmaceuticals. Sponsored by the University of Miami and the Italian Consulate, Project Florida Italy Americas Medical Congress. May 12, 2005.
7. ProstaScint and Sm-153 Quadramet. Sponsored by Southeastern Regional Medical Center. Southeastern Regional Radiation Oncology Center, Dothan, AL. May 5, 2005.
8. Management of Metastatic Bone Pain. Sponsored by Loyola University. Loyola University Medical Center, Cardinal Bernardin Cancer Center, Hematology/Oncology Grand Rounds, Chicago, IL, April 22, 2005.

9. Radioimmunotherapy: An Excellent Alternative in the Treatment of Follicular Lymphomas. Leukemia/Lymphoma Networking Group. Sponsored by The Wellness Community, Miami, FI, March 21, 2005.
10. The Management of Bone Pain in the Oncology Patient. Tumor Conference, Jupiter Medical Center, Sponsored by Cytogen, March 9, 2005.
11. The Role of Radionuclides in Bone Pain Management. Medical University of South Carolina, Charleston, South Carolina. Sponsored by Cytogen, March 1, 2005.
12. Innovative Management of Bone Pain Due to Cancer. St. Louis University, St. Louis, Missouri. Sponsored by Cytogen. February 25, 2005.
13. Innovative Management of Bone Pain Due to Cancer. Sponsored by Cytogen. Joe's Stone Crab Restaurant, Miami Beach, Florida, March 16, 2004.
14. Directions in Oncotherapy. Sponsored by The Education & Research Foundation of The Society of Nuclear Medicine. The 21<sup>st</sup> High Country Nuclear Medicine Conference, Vail, Colorado, March 3-8, 2000.
15. Bone Cancer Treatments. Sponsored by The Education & Research Foundation of The Society of Nuclear Medicine. The 21<sup>st</sup> High Country Nuclear Medicine Conference, Vail, Colorado, March 3-8, 2000.
16. Monoclonal Antibodies: Current Status. Internal Medicine Update 2000. Radisson Deauville Resort, Miami Beach, Florida, January 23-28, 2000.
17. Current Approaches in Diagnostic Imaging for Women. Continuing Medical Education Lecture Series. Sponsored by Sarasota Memorial Hospital in Cooperation with the Cardiovascular and Nuclear Imaging Services. Waldemere Medical Plaza, Papaya Room, Sarasota, Florida, May 15, 1999.
18. Lymphoscintigraphy: The Role of Nuclear Medicine in Radioguided Surgery. Continuing Medical Education Lecture Series. Sponsored by Sarasota Memorial Hospital in Cooperation with the Cardiovascular and Nuclear Imaging Services. Waldemere Medical Plaza, Papaya Room, Sarasota, Florida, May 15, 1999.
19. Palliation of Pain Associated with Metastatic Bone Cancer Using Radioisotopes. Third Annual Supportive Care in Cancer Conference. Whistler, British Columbia, Canada, March 19, 1999.
20. Lymphoscintigraphy in Breast Cancer and Melanoma. Coral Springs Medical Center, Coral Springs, Florida, October 15, 1998.
21. Somatostatin Receptor Imaging; Its Role in the Staging and Treatment of Neuroendocrine Tumors. Tumor Conference, Cape Fear Valley Health System's Cancer Center. The Cancer Center, Fayetteville, North Carolina,

July 1, 1998.

22. Bone Pain Palliation and Quadramet. Sponsored by Dupont Pharmaceuticals. Marriott Hotel, New Orleans, Louisiana, January 14, 1998.
23. Coronary Irradiation with Beta-Emitting Radioisotopes to Inhibit Restenosis after PTCA: An Old Therapy for a New Problem". Conference on Future Role of the Fast Flux Test Facility (FFTF), sponsored by the Nuclear Medicine Research Council. Double Tree Hotel/Hanford House, Richland, Washington, September 19, 1997.
24. Samarium-153m for the Treatment of Bone Pain. Conference on Future Role of Fast Flux Test Facility (FFTF), sponsored by the Nuclear Medicine Research Council. Double Tree Hotel/Hanford House, Richland, Washington, September 19, 1997.
25. The Role of Nuclear Medicine in Otolaryngological Disorders.
26. Use of Intraoperative Probe and Somatostatin Receptor Scintigraphy in Neuroendocrine Tumors.
27. Centellografia Miocardica en el diagnostico y control terapeutico del I.A.M. Cineventriculografia con radionucleico en prueba de esfuerzo. Avances en Cardiopatía Isquemica. Sociedad Dominicana de Cardiología, Capitulo Norte, Cedars Medical Center. Salon Magua Hotel Gran Almirante, Santiago, Rep. Dominicana, (5 Y 6 de Julio de 1996), July 5-6, 1996.
28. Indicaciones para Centelleografia Miiocardica. Tecnia y Farmacos. Analisis de trastorno de contractilidad segmentaria del VI en Enfermedad Arterial Coronaria a traves de la cinematografia con radionucleo. Avances en Cardiopatía Isquemica. Sociedad Dominicana de Cardiología, Capitulo Norte, Cedars Medical Center. Salon Magua Hotel Gran Almirante, Santiago, Rep. Dominicana, (5 Y 6 de Julio de 1996) July 5-6, 1996.
29. Radioimmunosintigraphy Role in Staging of Ovarian Cancer. The High Country Nuclear Medicine Conference of the Society of Nuclear Medicine, Vail Colorado March 8-13, 1996.
30. Somatostatin Receptor Scintigraphy with In-111-Octreotide. Eighth Annual Meeting - Nuclear Oncology: Advances in Diagnostic and Therapeutic Applications. Director and Moderator. Key Biscayne, Florida February 11-15, 1996.
31. What's in the Pipeline. Scintigraphy and Operative probe Detection of Radiolabeled Lymph Nodes and Neoplasms, sponsored by the Division of Oncology, Department of Surgery of the University of Miami, Sonesta Beach Resort, February 10, 1996.
32. Lymphoscintigraphy. Scintigraphy and Operative probe Detection of Radiolabeled Lymph Nodes and Neoplasms, sponsored by the Division of Oncology, Department of Surgery of the University of Miami, Sonesta Beach



Resort, February 10, 1996.

33. Octreotide and Sestamibi for Imaging Solid Tumors. Scintigraphy and Operative probe Detection of Radiolabeled Lymph Nodes and Neoplasms, sponsored by the Division of Oncology, Department of Surgery of the University of Miami, Sonesta Beach Resort, February 10, 1996.
34. Somatostatin Receptor Imaging with Indium-111 Pentetreotide (OctreoScan). 22nd Annual Meeting & Scientific Sessions American College Nuclear Physicians San Juan, Puerto Rico, January 9-16, 1996.
35. Nuevos Avances de Medicina Nuclear. III Jornada Internacional de Medicina Interna "Ultimos avances tecnologicos y farmacologicos", Santo Domingo, Republica Dominicana, October 26-28, 1995.
36. The Clinical use of Indium-111 Pentetreotide (OctreoScan). 36th Annual Meeting, Southeastern Chapter of the Society of Nuclear Medicine. Grosvenor Resort, Walt Disney World, Florida October 20-22, 1995.
37. The Clinical use of Indium-111 Pentetreotide (OctreoScan): U. Miami Experience. 36th Annual Meeting, Southeastern Chapter of the Society of Nuclear Medicine. Grosvenor Resort, Walt Disney World, Florida October 20-22, 1995.
38. Conjoint Central Chapter/Missouri Valley Chapter of the Society of Nuclear Medicine, Rigal Riverfront Hotel, St. Louis Missouri, September 23-24, 1995.
39. Nuclear Oncology - Imaging and Surgical Intervention: New Techniques for the Surgical Oncologist. Tumor Board Special Presentation, University of Miami School of Medicine, September 8, 1995.
40. From Antibodies to Peptides and Molecular Recognition Units - Theoretical and Practical Considerations, presented at the European Association of Nuclear Medicine Congress 1995, Brussels Belgium August 26, 30, 1995.
41. Somatostatin Receptor Scintigraphy Technical and Clinical Consideration. Fourth Annual Nuclear Pharmacy Lecture Series Program. Boca Raton Resort & Club. Boca Raton, Florida. June 17-18, 1995.
42. What's Hot and What's Not. Fourth Annual Nuclear Pharmacy Lecture Series Program. Boca Raton Resort & Club. Boca Raton, Florida. June 17-18, 1995.
43. In-111 Octreotide Scintigraphy in the Evaluation of Suspected Lesions of the Head and Neck (Abs#21). 29th Annual Scientific Conference and Post Graduate Course in Head & Neck Imaging, sponsored by the University of Pittsburg, Pennsylvania. May 19, 1995.
44. Una Nueva Oncologia: Imagenes con Receptores de la Somatostatina. Avances en Medicina Nuclear Oncologica, Hospital de Oncologia, Centro Medico Nacional Sigllo XXI, Mexico June 16, 1995.

45. Nuclear Medicine. 22nd Annual Board Review Course in Internal Medicine/Fundamentals and Clinical Aspects of Internal Medicine sponsored by the University of Miami, Sheraton Biscayne Bay Hotel, Miami, Florida. May 6-13, 1995.
46. In-111 Octreotide Scintigraphy in the Evaluation of Suspected Lesions of the Head and Neck. Proceedings of the American Society of Neuroradiology (Abs#250). Sheraton Chicago Hotel & Towers, Chicago, April 23-27, 1995.
47. New Horizons in Nuclear Radiology. The Robert Shapiro Memorial Lecture Symposium in Contemporary Radiology, sponsored by the Department of Radiology, University of Miami. Fontainebleau Hilton Resort, Miami Beach, Florida, March 26, 1995.
48. New Developments in Nuclear Cardiology. Cedars Medical Center, Miami, Florida March 28, 1995.
49. Leadership Intensive Course for Faculty Development. Atlanta, Georgia, March 23-25, 1995.
50. Therapy with Unsealed Radiopharmaceuticals (Bone Pain, etc.), presented at the 22nd Annual Meeting of the American College of Nuclear Medicine. Saddlebrook Resort, Tampa, Florida. March 16-19, 1995.
51. Antibodies, Oligopeptides, Oligonucleotides, presented at the 22nd Annual Meeting of the American College of Nuclear Medicine. Saddlebrook Resort, Tampa, Florida. March 16-19, 1995.
52. Somatostatin Receptor Imaging. The High Country Nuclear Medicine Conference sponsored by the Society of Nuclear Medicine. Vail, Colorado, March 3-8, 1995.
53. Seventh Annual Symposium - Nuclear Oncology: Advances in Diagnostic and Therapeutic Applications. Organizer and Moderator. Key Biscayne, Florida, January 19-22, 1995.
54. Current advances in the detection of gastroenteropancreatic (GEP) & other neuroendocrine tumors, presented at Grand Rounds - South Miami Hospital, November 22, 1994.
55. Somatostatin receptor scintigraphy with In-111-Octreotide. Southeaster Chapter of the Society of Nuclear Medicine, Savannah, Georgia November 3-4, 1994.
56. Labelled antibody and immunoglobulin studies versus Ga-67 in pulmonary manifestations of AIDS. 6th World Federation of Nuclear Medicine and Biology, Sydney Australia, October 23-28, 1994.
57. Radioimmunosintigraphy of Colorectal Carcinoma Using Technetium-99m-labeled, Totally Human Monoclonal Antibody 88BV59H21-2. Presented at the "Fifth Conference on Radioimmunodetection and Radioimmunotherapy of

- Cancer", October 6-8, 1994, Princeton, NJ. 1994.
58. Alabama National Biomedic Tracer Facilities Project Definition Study, Birmingham, Alabama. September 28-30, 1994.
  59. A Multidisciplinary Symposium, Clinical Applications of Somatostatin Receptor Scintigraphy in Endocrinology and Oncology. South Florida Radiological Society Coral Gables, Florida, June 27, 1994.
  60. New advances in therapy with unsealed sources/Introduction-Role of Therapy Council/Systemic therapy with unsealed sources: Future needs. 41th Annual Meeting of the Society of Nuclear Medicine, Orlando, Florida, June 5-8, 1994.
  61. Radionuclide methods for assessment of cardiac injury & response to therapy. National Clinical Ligand Assay Society (CLAS), Orlando, Florida April 26-30, 1994.
  62. Monoclonal Antibodies: Clinical and Technical Considerations. Toronto Nuclear Medicine Society, Toronto, Ontario, Canada, April 13, 1994.
  63. Annual High Country Nuclear Medicine Meeting: The future of Surgical Probes in Nuclear Medicine/Immunoglobulins, Vail Colorado, March 5-10, 1994.
  64. Radionuclide Therapy of Painful Bone Metastases: Current Status and Future Prospects - Mid Winter Meeting of the Society of Nuclear Medicine, Seattle WA, February 3-8, 1994.
  65. Efficacy of Nuclear Medicine Procedures, Annual Meeting & Scientific Sessions. Induction as a fellow for the American College of Nuclear Physicians, member of Government Affairs Committee. Phoenix Arizona, January 9-12, 1994.
  66. Gastroenterology-Hepatology Update. Lecture: New Advances in Functional Imaging in Gastroenterology-Hepatology. Cedars Medical Center, Miami, January 15, 1994.
  67. Sixth Annual Symposium. Diagnostic and Therapeutic Applications of Radiolabeled Antibodies and Receptors for Diagnostic and Therapeutic Purposes. Organizer and Lecturer: Therapy of Bone Pain with Radioisotopes. Key Biscayne, Florida, January 13-16, 1994.
  68. Therapy of Bone Pain with Radioisotopes. VI Diagnostic and Therapeutic Diagnostic and Therapeutic Purposes Meeting. Key Biscayne, Florida, January 13, 1994.
  69. Controversies in therapy with unsealed sources. 14th Annual High Country Nuclear Medicine Conference. March 6-11, 1993.
  70. Annual Visiting Professorship for the Susanne von Schuching Lectureship,

- Indiana University Medical Center: Recent Advances in the Therapeutic Applications of Radiopharmaceuticals. Indianapolis, Indiana, December 10, 1993.
71. Advances in Nuclear Oncology, Southeastern Chapter of the SNM, October 8-10, 1993.
  72. Painful bone Metastases: A tutorial on Palliation", presented by the SNM-Southeastern Chapter, October 7, 1993.
  73. Nuclear Medicine Society Meeting in Delaware, Philadelphia, "The Role of Indium and Technetium Labeled Antibody Imaging in the Managment of Patients with Colorectal Cancer". September 15, 1993.
  74. International Congress in Radiation Oncology-OCRO, "Progress in Radionuclide Therapy-Radiopharmaceuticals for the Treatment of Bone Pain", Kyoto, Japan, June 21, 1993.
  75. Fundamentals and Clinical Aspects of Internal Medicine. Sheraton Biscayne Hotel Key Biscayne, Florida. August 28, 1993.
  76. Symposium on Somatostatin Receptor Imaging. Amsterdam, March 19, 1993.
  77. Midwinter Meeting-Meeting of the Board of Trustees, Chairman of Committee, Atlanta, Georgia. February 5, 1993.
  78. The 23rd Annual Cardiology Symposium. Cedars Medical Center, Miami, Florida, March-26-27, 1993.
  79. Cardiovascular Imaging Syposium III. University of Miami School of Medicine, Lake Buena Vista, Florida, April 3-4 1993.
  80. Monoclonal Antibody Imaging in Colorectal and Ovarian Cancer. Multi Disciplinary Tumor Conference. Mount Sinai Medical Center, Mar.26, 1993.
  81. Controversies in therapy with unsealed sources. 14th Annual High Country Nuclear Medicine Conference. Vail, Colorado, March 6-11, 1993.
  82. Fifth annual symposium diagnostic and therapeutic applications of antibodies, peptides, and molecular recognition units in Nuclear Medicine. University of Miami School of Medicine, Fort Lauderdale, Florida - January 14-17, 1993.
  83. Radiology residents' day - scientific program. University of Miami, School of Medicine. December 12, 1992.
  84. Samarium 156 in the treatment of bone pain. Presented at Painful Bone Metastases of Tutorial in bone palliation, Society of Nuclear Medicine, The Pointe at Squaw Peak, Phoenix, AZ, October 22, 1992.
  85. Monoclonal antibodies in infection/inflammation Western Regional Meeting of

- the Society of Nuclear Medicine. The Pointe at Squaw Peak, Phoenix, Az, October 23, 26, 1992.
86. Nuclear Medicine in clinical diagnosis, MRI, PET. Nineteenth Annual Board Review Course in Internal Medicine. "Fundamental and Clinical Aspects of Internal Medicine". Sheraton Brickell Point, Miami, Florida, August 8-16, 1992.
  87. "TI-201 vs Tc-99m Labeled Cardiac Agents" and "Clinical Experience with Tomography and Tc-99m Teboroxime". Harvard Medical School, Hyatt Regency, Cambridge, MA, April 13-16, 1992.
  88. Fourth Annual Symposium - Current Status and Future Directions of immunoconjugates. Diagnostic and therapeutic applications in benign and malignant disorders. University of Miami School of Medicine. Sheraton Royal Biscayne Beach Resort, Key Biscayne, Florida. January 23-26, 1992.
  89. The use of monoclonal antibodies in the oncologic patient. Presented at The Use of Monoclonal Antibodies in the Detection of Disease Update 1991. Sponsored by Cincinnati Convention Center, Cincinnati, Ohio, June 10, 1991.
  90. Monoclonal antibodies to molecular recognition units. Presented at "Clinical Update: Monoclonal antibody based imaging agents in Nuclear Medicine. Sponsored by Medical College of Wisconsin, Clarion Hotel, Cincinnati, Ohio, June 10, 1991.
  91. Monoclonal Antibody Imaging Update. Nuclear Medicine Update, Fourteenth Annual Meeting, (Continuing Medical Education Seminar Sponsored by the University of Mississippi Medical Center, Jackson), Mississippi Society of Nuclear Medicine, March 2, 1991.
  92. Comparisons between Thallium and Cardiotec Myocardial Imaging. Nuclear Medicine Update, Fourteenth Annual Meeting, (Continuing Medical Education Seminar Sponsored by the University of Mississippi Medical Center, Jackson), Mississippi Society of Nuclear Medicine, March 2, 1991.
  93. Monoclonal antibodies - An Update. Florida Nuclear Medicine Technologists Twentieth Annual Meeting. Tampa Marriott Westshore, Tampa, Florida, May 9-11, 1991.
  94. Current status and future directions of immunocnjugates Monoclonal Antibody Based Imaging and Treatment-III. University of Miami School of Medicine Division of Nuclear Medicine. Sheraton Royal Biscayne Beach Resort, Key Biscayne, FL. January 25-27, 1991.
  95. Monoclonal antibody imaging, clinical and technical perspectives. The SA Society of Nuclear Medicine, Fourth Congress, Berg-en-dal, South Africa. September 1990.
  96. Tc-99m-Labeled Fab' fragment anti-CEA antibody (IMMU-4) for the RAID of colorectal carcinoma. Third Conference on Radioimmunodetection and

Radioimmunotherapy of Cancer. American College of Radiology, Center for Molecular Medicine and Immunology. Princeton Marriott Forrester Village, New Jersey, November 15-17, 1990.

97. In-111 labeled Nonspecific Human Immunoglobulin: Potential New Tracer for the Scintigraphic Imaging of Inflammation and Infection. Radiological Society of North America 75th Scientific Assembly and Annual Meeting, Chicago, November 26-December 1, 1989.
98. Current status and future directions of Immunoconjugates Monoclonal Antibody. University of Miami School of Medicine Division of Nuclear Medicine. Walt Disney World, Swan Resort. Orlando, FL, February 16-17, 1990.
99. Nuclear Medicine Update Twelfth Annual Meeting Mississippi Society of Nuclear Medicine, University of Mississippi Medical Center, Jackson, Mississippi, March 4, 1989.
100. Clinical experience utilizing radiolabeled monoclonal antibodies - Current Status and Future Directions of Immunoconjugates Monoclonal Antibody - based imaging and treatment. Walt Disney World, Contemporary Resort, Orlando, FL, February 17-18, 1989.
101. Current Status of Monoclonal Antibodies. 29th Annual Meeting, Southeastern Chapter Society Nuclear Medicine, Charleston, SC, November 4-6, 1988.
102. Radioimmunoscintigraphy - Role of monoclonal antibodies in cancer detection. Holmes Regional Medical Center, Melbourne, FL, November 18, 1988.
103. The Role of Nuclear Medicine for Diagnosis of Head and Neck Diseases. Current Clinical Concepts of Otolaryngology, 1988. Sponsored by the Department of Otolaryngology, University of Miami School of Medicine and the Pan American Association of Otorhinolaryngology - Head and Neck Surgery. Sheraton Bal Harbour, Bal Harbour, FL, March 10-12, 1988.
104. Role of Nuclear Medicine in the Acquired Immunodeficiency Syndrome. Mississippi Society of Nuclear Medicine, University of Mississippi Medical Center, Jackson, Mississippi, March 1988.
105. Update on Nuclear Medicine and Nuclear Magnetic Resonance. Fundamental and Clinical Aspects of Internal Medicine. University of Miami School of Medicine, Department of Medicine. Key Biscayne, FL, August 4, 1987.
106. Current Developments in Monoclonal Imaging. 16th Annual Meeting of the Florida Nuclear Medicine Technologists. The Lincoln Hotel and Urban Center, Tampa, FL, May 15, 1987.
107. Echocardiography. Radiology Review Course. Sponsored by the Departments of Radiology at Mount Sinai Medical Center and the University of Miami/Jackson Memorial Medical Center. Sheraton Bal Harbour, FL, May 4,

1987.

108. Skeletal and Oncologic Nuclear Imaging. Radiology review course. Sponsored by the Departments of Radiology at Mount Sinai Medical Center and the University of Miami Jackson Memorial Medical Center. Sheraton Bal Harbour, May 15, 1986.
109. Liver, Biliary Tree and Gallbladder. Radiology Review Course. Sponsored by the Departments of Radiology at Mount Sinai Medical Center and the University of Miami/Jackson Memorial Medical Center. Sheraton Bal Harbour, FL, May 13, 1986.
110. Echocardiography-Radiology Review Course. Sponsored by the Departments of Radiology at Mount Sinai Medical Center and the University of Miami/Jackson Memorial Medical Center. Sheraton Bal Harbour, May 12, 1986.
111. Current Status of Biliary Scintigraphy. 25th Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine. Hyatt Regency Hotel. Lexington, KY, November 1, 1984.
112. Clinical Usage of SPECT. 26th Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine. Hollywood, FL, October 24-26, 1985.
113. Lymphoma's Role of Scintigraphy and Abdominal Ultrasound. Advances in Cancer Diagnosis (Noninvasive and Invasive Techniques). 15th Annual Post Graduate Seminar in Medicine. Miami Beach, FL, March 22-26, 1983.
114. Update on Nuclear Medicine and Nuclear Magnetic Resonance (NMR). Fundamental and Clinical Aspects of Internal Medicine. Review Course for Certification in Internal Medicine. University of Miami, Sheraton Bal Harbour Hotel, Bal Harbour, FL, August 2, 1983.
115. New Developments in Nuclear Medicine. American College of Osteopathic Internists, Nuclear Medicine Subsection. Bal Harbour, Miami Beach, FL, October 18, 1982.
116. Current Developments in NMR. 108 Annual Convention of the Florida Medical Association. Hollywood, FL, May 8, 1982.
117. Update of Nuclear Medicine. Fundamental and Clinical Aspects of Internal Medicine. Ninth Annual Review Course for Certification in Internal Medicine. Key Biscayne, FL, August 14, 1982.
118. Current Status of Nuclear Medicine. Bal Harbour, FL, August 22, 1981.
119. The Role of Nuclear Scanning in the Evaluation of Arterial Injuries. Southeastern Regional Congress, March 1-3, 1982, Bal Harbour, FL.
120. Ultrasound and Nuclear Medicine in the Genitourinary Tract. Imageology 1982. Mt. Sinai Medical Center. Bal Harbour, FL, January 29, 1982.

121. The Role of Nuclear Medicine Evaluating the Injured Athlete. 3rd Annual J.E. Holmes Memorial Symposium. Holmes Medical Center. Melbourne, FL, March 28, 1981.
122. Small Organ Imaging. First International Symposium on Ultrasound in Medicine. Cordoba, Argentina, September 10-12, 1981.
123. New Techniques in Nuclear Cardiology. 2nd Interamerican Medical Symposium, University of Miami School of Medicine, Department of Medicine, Bal Harbour, FL, December 14, 1981.
124. Managing Jaundice Internal Medicine 1981. Sixteenth Annual Postgraduate Course, University of Miami School of Medicine, Department of Medicine. Miami, FL, March 5, 1981.
125. Nuclear Medicine Aspects of Thyroid Function and Dysfunction. Medical Update 1981. South Miami Hospital. Miami, FL, February 18, 1981.
126. Ultrasound and Nuclear Medicine-Genitourinary Tract. Nineteenth Annual Seminar, Department of Radiology, Mt. Sinai Medical Center in Affiliation with the University of Miami/Jackson Memorial Medical Center, Miami Beach, FL, January 25-30, 1981.
127. Nongynecologic Abdominal Ultrasound. University of Miami School of Medicine. Department of Obstetrics-Gynecology. Miami, FL, August 1980.
128. Conventional and New Techniques in Noninvasive Radiology. Fundamentals and Clinical Aspects of Internal Medicine. University of Miami School of Medicine, Department of Internal Medicine. Sheraton Bal Harbour, Miami Beach, FL, August 3-16, 1980.
129. Biliary Scanning Agents. Hepatobiliary Disease in Clinical Practice. Update IV, University of Miami School of Medicine, Department of Nuclear Medicine, Miami, FL, March 27-29, 1980.
130. Role of Medical Imaging in Gynecologic Oncology. Updates in Gynecologic Oncology. Postgraduate Course. University of Miami School of Medicine. Miami, FL, February 10-16, 1980.
131. In-Service Workshop in M-Mode 2 Dimensional and Doppler Echo. University of Miami, Division of Nuclear Medicine. Miami, FL, January 21-25, 1980.
132. Radionuclides Diagnosis. University of Miami, Department of Internal Medicine. Fundamental and Clinical Aspects of Internal Medicine. American Hotel. Miami Beach, FL, August 18-31, 1979.
133. New Noninvasive Imaging Techniques in Abdominal and Chest Disorders. Lawnwood Medical Center, Surgical Department. Ft. Pierce, FL, July 9, 1979.
134. Diagnostic Techniques in Gyn-Oncology. Postgraduate Course in Gynecology-Oncology. Royal Biscayne Beach Hotel. Key Biscayne, FL, May 17, 1979.



135. Complications of Pregnancy. Sponsored by Mt. Sinai Medical Center. Division of Nuclear Medicine and Ultrasonography and the Radiology Department. University of Miami School of Medicine, Konover Hotel. Miami Beach, FL, March 28-31, 1979.
136. Diagnostic Techniques in Gyn-Oncology. Postgraduate Course in Gynecologic Oncology. University of Miami School of Medicine, Department of Obstetrics-Gynecology. Miami, FL, May 13-18, 1979.
137. M-Mode Echocardiography. Sponsored by Sonics Imaging, Inc., Ft. Lauderdale Inn. Ft. Lauderdale, FL, March 3-4, 1979.
138. Myocardial Perfusion Imaging. Symposium on Nuclear Cardiology. Sponsored by New England Nuclear. Howard Johnsons, Miami, FL, February 9, 1979.
139. Nuclear - Ultrasound Correlations, Cardiac and Abdominal Studies New Applications for Nuclear Imaging Symposium. Sponsored by Picker Corporation. Fontainebleau Hilton Hotel, Miami Beach, FL, February 9, 1979.
140. Clinical Needs in Ultrasound Imaging. Mideast Center for Radiological Physics. Supported by a Contract with the Division of Cancer Control and Rehabilitation of the National Cancer Institute. Gainesville, FL, February 1-2, 1979.
141. Scanning and Ultrasound in Biliary System. Annual Postgraduate Seminar in Surgery. Sponsored by the University of Miami School of Medicine Americana Hotel, Miami Beach, FL, January 10-13, 1979.
142. Role of Ultrasound in Small Organ Imaging. Diagnostic Ultrasound Seminar, Abdominal, Obstetrical and Gynecological. Sponsored by the Division of Diagnostic Ultrasound, Department of Radiology, University of Miami School of Medicine, Miami, FL, December 7-9, 1978.
143. Current Instrumentation in M-Mode and Cross Sectional Echocardiography. Echocardiography In-Service Workshop. Sponsored by the Division of Nuclear Medicine, Department of Radiology, University of Miami School of Medicine. Miami, FL, December 4-8, 1978.
144. Ultrasonography. 13th Colombia National Congress of Radiology. Medellin, Colombia, August 31- September 2, 1978.
145. Ultrasonographic Evaluation of the Obstetrical and Gynecological Patient. 13th Colombian National Congress of Radiology. Medellin, Colombia, August 31- September 2, 1978.
146. Radioisotopic and Ultrasonographic Evaluation of Cardiopulmonary and Mediastinal Tumors. 13th Colombian National Congress of Radiology. Medellin, Colombia, August 31-September 2, 1978.
147. Complementary Role of Nuclear Medicine and Ultrasonography in the

- Diagnosis and Management of Malignant Disease in the Abdomen. 13th Colombian National Congress of Radiology. Medellin, Colombia, August 31-September 2, 1978.
148. Myocardial Infarct Imaging, Medical Imaging Seminar Session. IV Miami Radiology Seminars Continuing Education. Cosponsored by the Medical and Chirurgical Faculty of the State of Maryland and the Maryland Ultrasound Society. Hunt Valley, MD, May 13, 1978.
  149. Radionuclide Diagnosis. Fifth Annual Review Course for Certification in Internal Medicine. Sponsored by the University of Miami School of Medicine. Key Biscayne, FL, August 31-September 2, 1978.
  150. Thoracic Scintigraphy. 16th Annual Postgraduate Seminar in Radiology. Sponsored by the University of Miami School of Medicine. Miami Beach, FL, March 7-11, 1978.
  151. Contemporary Body Imaging. Complementary and Competitive Modalities. Sponsored by the University of South Florida. Orlando, FL, January 19-21, 1978.
  152. Refresher Course on Noninvasive Techniques: CT, Ultrasound and Scintigraphy. 16th Annual Postgraduate Seminar in Radiology. Sponsored by the University of Miami School of Medicine. Miami Beach, FL, March 7-11, 1978.
  153. Nuclear Cardiology presented at Seminar on Noninvasive Diagnostic Techniques in Clinical Practice. Sponsored by Florida Association of Nuclear Physicians and Florida Academy of Family Physicians at the Florida Medical Association Meeting. Bal Harbour, FL, May 6, 1977.
  154. Sonographic Evaluation of the Aorta and Para-Aortic Structures, New Frontiers in Ultrasound. Sponsored by Mount Sinai Medical Center and University of Miami School of Medicine. Miami, FL, March 31, April 2, 1977.
  155. Nuclear Scanning of the Retroperitoneum, Practical Aspects of Computed Tomography. Sponsored by Mount Sinai Medical Center and University of Miami School of Medicine. Miami, FL, March 30, April 2, 1977.
  156. Echography of the Retroperitoneum, Practical Aspects of Computed Tomography. Sponsored by the University of Miami School of Medicine and Affiliated Hospitals, Miami Beach, FL, March 22-26, 1977.
  157. Skeletal Neoplasms: Bone Scintigraphy in Primary and Metastatic Bone Tumors, Advances in Cancer Diagnosis (Noninvasive Techniques). 15th Annual Postgraduate Seminar in Radiology. Sponsored by the University of Miami School of Medicine, Miami, FL, March 22-26, 1977.
  158. Aorta and Paraortic Structures: Continuing Medical Education in Abdominal Diagnostic Ultrasound. Sponsored by Mount Sinai Medical Center. Miami Beach, FL, January 22, 1977.

159. Vias Digestivas Gammagrafia. El Colegio Interamericano de Radiologia and Mount Sinai Medical Center, Miami Beach, FL, March 14-18, 1977.
160. Clinical Application of Ultrasound with Special Emphasis on Thyroid and Abdominal Scanning. Greater Radiological Society of Miami. Miami, FL, January 19, 1977.
161. Nuclear Imaging and Ultrasound. New England Cancer Society Fall Meeting. Miami, FL, December 3-4, 1976.
162. Update-Clinical Abdominal Ultrasound. 102nd Florida Medical Association's Annual Meeting Hollywood, FL, May 8 1976.
163. Thallium-201 in Acute Myocardial Infarction. Seminar in Cardiac Radiology. Cosponsored by the Greater Miami Heart Association and the University of Miami School of Medicine. Miami, FL, September 20-23, 1976.
164. Embolismo Pulmonar, Segundo Seminario Medico Pan Americano. Mount Sinai Medical Center, Miami Beach, FL, October 18-22, 1976.
165. Clinical Utilization of Cyclotron Produced Radiopharmaceuticals. 4th Medical Cyclotron User's Conference, Miami Beach, FL, March 25-27, 1976.
166. Ultrasonography. Sixth Annual Postgraduate Seminar Why and How We Do Special Procedures. Miami Beach, FL, March 21-24, 1976.
167. Isotopic Localization of Tumors. Seminar on a Positive Approach to Cancer Diagnosis and Treatment. Orange Memorial Hospital, Orlando, FL, November 8, 1975.
168. Ultrasonic Examination of the Urinary Tract. Postgraduate Seminar in Ultrasound and Nuclear Medicine. Key Biscayne, FL, January 4-7, 1976.
169. The Complementary Roles of Nuclear Medicine and Ultrasound in Abdominal Scanning. 16th Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine. Atlanta, October 25, 1975.
170. Abdominal Ultrasound. Greater Miami Radiological Society. Miami, FL, September 17, 1975.
171. Total Body Survey for Neoplasia. 25th Annual Postgraduate Seminar on Invasive and Noninvasive techniques. Mt. Sinai Medical Center of Greater Miami, Miami Beach, FL, May 1-3 1975.
172. Ultrasound in Thyroid Disease. Seminar on Practical Diagnostic Use of Ultrasound. Miami Beach, FL, March 10-11, 1975.
173. Ultrasound in Liver Disease Seminar on Practical Diagnostic Use of Ultrasound. Miami Beach, FL, March 10-11, 1975.
174. Diagnostic Ultrasound in Clinical Practice. Diagnostic Therapeutic 75 Pier

66, Ft. Lauderdale, FL, February 3-5, 1975.

175. Metabolic Bone Disease and Metabolic Bone Disease and Skeletal Scanning on Special Procedures in Diagnostic Radiology. Miami Beach, FL, January 11, 1974.
176. Pulmonary Angiography and Scanning. 5th Annual Seminar on Special Procedures in Diagnostic Radiology. Basic and New Information. Miami Beach, FL, January 12-16, 1975.
177. Gastrointestinal Angiography Scanning. Fourth Annual Seminar on Special Procedures in Diagnostic Radiology. Miami Beach, FL, January 11, 1974.
178. Renovascular Hypertension. Fourth Annual Seminar on Special Procedures in Diagnostic Radiology. Miami Beach, FL, January 1974.
179. Pancreatic and Splenic Angiography. Fourth Annual Seminar on Special Procedures: Diagnostic Radiology. Miami Beach, FL, January 1974.
180. Diagnosis and Management of Cancer of the Thyroid. Presented at Symposium on Current Concepts in Head and Neck Cancer. Sponsored by the American Cancer Society. Chicago, March 27, 1973.
181. Isotopic-Angiographic Correlations. Symposium on Radiological Special Procedures. Basic and New Information. Miami Beach, FL, January 13, 1973.
182. Evaluation of a Whole Body Camera System for Bone Imaging. Fourteenth Annual Meeting, Southeastern Chapter of the Society of Nuclear Medicine. Memphis, TN, November 2, 1973.
183. Renal Scanning Workshop in Nuclear Medicine, Key Biscayne, FL, March 1971.
184. Metabolic Bone Disease and Skeletal Scanning. Fifth Annual Nuclear Medicine Seminar. Thyroid and Endocrine System Investigations with Radionuclides, Miami Beach, FL, March 17, 1974.
185. Pulmonary Bronchial Angiography I. Fourth Annual Seminar on Special Procedures in Diagnostic Radiology. Miami Beach, January 11, 1974.
186. Pulmonary Angiography Scanning. Fourth Annual Seminar on Special Procedure in Diagnostic Radiology. Miami Beach, FL, January 11, 1974.
187. Pancreatic and Splenic Angiography. Fourth Annual Seminar on Special Procedures in Diagnostic Radiology. Miami Beach, FL, January 11, 1974
188. Diagnosis and Management of Cancer of the Thyroid. Presented at Symposium on Current Concepts in Head and Neck Cancer. Sponsored by the American Cancer Society, Chicago, March 27, 1974.
189. Renovascular Hypertension. Fourth Annual Seminar on Special Procedures

Diagnostic Radiology, Miami Beach, FL, 1974.

190. Evaluation of a Whole Body Camera System for Bone Imaging. Fourteenth Annual Meeting, Southeastern Chapter of the Society of Nuclear Medicine, Memphis, TN, November 2, 1973.
191. Isotopic-angiographic Correlations. Symposium on Radiological Special Procedures; Basic and New Information. Miami Beach, FL, January 13, 1973.
192. Bone Scanning, Southeastern Chapter of the Society of Nuclear Medicine Annual Meeting, Atlanta, November 2, 1972.
193. 75-Selenomethianine as a Cohort Label for Fibrinogen in the Detection of Deep Venous Thrombosis. Workshop for Thrombo-Radio-Pharmaceutical Sugar Loaf. Temple University Conference Center, Chestnut Hill, PA, July 8, 1972.

## **VI. TEACHING**

### **28. Teaching Awards Received:**

### **29. Teaching Specialization - Courses Taught:**

1. Mechanisms of Disease Medical School Course, University of Miami School of Medicine, FL 1987-1990.
2. Echocardiography Lectures Senior Cardiology Students Medical Training and Simulation Laboratory, University of Miami School of Medicine 1980-1987.
3. MRI Lectures Senior Cardiology Student Medical Training and Simulation Laboratory University of Miami School of Medicine 1986-1990.
4. Nuclear Medicine Technology School, Department of Radiology, University of Miami School of Medicine, 1985-1991.
5. Coordinator, Nuclear Medicine Residency Program, University of - Miami/Jackson Memorial Hospital 1977-1985.
6. Nuclear Medicine Conferences for various departments of the University of Miami School of Medicine, 1972-present

### **30. Thesis and Dissertation Advising:**

1. Farhad Qadir: Quantitative Evaluation of Renal Imaging by Means of Phantom Calibration Measurements, University of Miami, April 2, 1985.
2. Lai Leong: Quantitative SPECT Imaging of Iodine-131 (364 KeV) University of Miami, Physics Department, MS, April 2, 1985.

3. Melanie Ferber: Analysis of Anxiety, Hostility and Depression in Patients with Mitral Valve Prolapse Syndrome, Hyperthyroidism and Anxiety Disorders and its Relationship to Personality Style and Symptomatology. University of Miami School of Medicine, Department of Psychology. Ph.D. May, 1985.
4. William Sattin: A study of Flow by Pulsed Nuclear Magnetic Resonance (NMR) Examination of Physiological Flow Rates with Laminar Versus Turbulent Velocity Profile Determination. University of Miami, FL, MS 1982.

## **VII. SERVICE**

### **31. University Committee and Administrative Responsibilities**

1. Member, Phase I Protocol Committee, Sylvester Comprehensive Cancer Center, 2007-Present.
1. Member: Faculty Senate Rank, Salary and Conditions of Employment Committee. August 1999-2002.
3. Member: UM Cardiovascular Center, University of Miami Hospital and Clinics, 2000.
4. Member: Faculty Senate Committee. 1998-1999.
5. Credentials Committee Radiology Department, September 12, 1995
6. Chairman, Human Use Sub-Committee on Radiation, Jackson Memorial Hospital and University of Miami Hospitals & Clinics, 1977-1994.
7. Organizing Committee, Cedars Medical Center, 21st Annual Cardiology Symposium, 1991.
8. Cardiac Center Committee, Cedars Medical Center, 1990-1991.
9. Vice Chairman of the Cardiac Center Committee. Cedars Medical Center, 1990-1991.
10. Member: Government Affairs Committee American College of Nuclear Physicians, 1989-2006.
11. Member: Clinical Research Committee, University of Miami Papanicolaou Comprehensive Cancer Center, 1988-2005.
12. Executive Committee of the Medical Staff, University of Miami Hospital and Clinic, 1987-1988.
13. Ambulatory Care Service, University of Miami Hospital and Clinic, 1987-1988.
14. Director, Radiation Control Center, University of Miami School of Medicine 1985-1988.

15. Associate Director, Division of Magnetic Resonance Imaging University of Miami MRI Center 1986-1988.
16. Medical Director, Nuclear Medicine School of Technology, University of Miami/Jackson Memorial Medical Center, 1977-1988.
17. Member of the Professional Income Plan Committee University of Miami School of Medicine, 1977-1988.
18. Director, Division of Nuclear Medicine , University of Miami Hospitals and Clinics Jackson Memorial Medical Center 1977-1988.
19. Chairman, Promotions and Tenure Committee University of Miami School of Medicine 1985-1986.
20. Member, Promotions and Tenure Committee, University of Miami School of Medicine, 1983-1986.
21. Medical Director, Ultrasound School of Technology University of Miami/Jackson Memorial Medical Center 1979-1986.
22. Director, Nuclear Cardiology Cedars Medical Center 1985-2006.
23. Member of the Committee for Latin American Affairs Patient Referral Sub-Committee University of Miami 1980-1982.
24. Medical Director, Ultrasound Laboratory, Jackson Memorial Hospital 1977-1980.
25. Member of Research Committee Mount Sinai Medical Center 1973-1977.
26. Member of Radioisotope Committee Mount Sinai Medical Center 1973-1977.
27. Assistant Director, Division of Nuclear Medicine, Baumritter Institute of Nuclear Medicine, Mount Sinai Medical Center 1973-1977.
28. Executive Committee Department of Radiology, University of Miami School of Medicine Medical Director School of Nuclear Medicine.
29. Member, Promotions and Tenure Committee, Department of Radiology, University of Miami School of Medicine.

### **Chairmanships**

1. Moderator: Sixteenth Annual Meeting of the Detroit Metropolitan Nuclear Radiology Club. Detroit, Michigan, April 25, 2000.
2. Guest Faculty: New York Roentgen Society - Annual Spring Conference, New York, New York, April 13-14, 2000.

3. Faculty Organizing Committee. The 21<sup>st</sup> High Country Nuclear Medicine Conference. Therapeutic Applications of Nuclear Medicine. Vail, Colorado, March 3-8, 2000.
4. Moderator. Therapeutic Applications of Nuclear Medicine. The 21<sup>st</sup> High Country Nuclear Medicine Conference. Therapeutic Applications of Nuclear Medicine. Vail, Colorado, March 3-8, 2000.
5. Moderator: The 28<sup>th</sup> Annual Cardiology Symposium.
  - (1) Low Molecular Weight Heparin Therapy in Acute Ischemic Coronary Syndromes. (2) Chest Pain: The Role of SPECT Perfusion Imaging in the Emergency Department. Cedars Medical Center, Miami, Florida, May 1-2, 1998.
6. Moderator - Panel Discussion: Nuclear Medicine: Tumor Localization with Peptides and Antibodies. Advances in Cancer Diagnosis and Management, Fort Lauderdale Marriott North, Fort Lauderdale, Florida, March 14, 1998.
7. Moderator - Panel Discussion: Perspectives on Isotope Availability and Future Needs in the Field of Nuclear Medicine, Nuclear Medicine Research Council Meeting, Richland, Washington, September 20, 1997.
8. Moderator - Session III: Risk of Stratification after MI. Advances in Cardiology, Columbia Cedars Medical Center, Moderator and Planning Committee Member. 27<sup>th</sup> Annual Cardiology Symposium. Miami, Florida, May 2-3, 1997.
9. Program Chairman, Nuclear Oncology: Advances in Diagnostic and Therapeutic Applications sponsored by the University of Miami School of Medicine, Key Biscayne, Florida, February 11-15, 1996.
10. Program Chairman, Nuclear Oncology: Advances in Diagnostic and Therapeutic Applications sponsored by the University of Miami School of Medicine, Key Biscayne, Florida, January 19-22, 1995.
11. Program Chairman. Sixth Annual Symposium-Diagnostic and Therapeutic Applications of Radiolabeled Antibodies and Receptors for Diagnostic and Therapeutic Purposes sponsored by the University of Miami School of Medicine, Key Biscayne, Florida, January 13-16, 1994.
12. Co-Chairman International Colloquium on Radiopharmaceutical Therapy. Sydney, Australia, October 23, 1994.
13. Program Chairman, Current Status and Future Directions of Immunoconjugates: Diagnostic and Therapeutic Applications in Benign and Malignant Disorders. Fourth Annual Symposium, Sheraton Royal Biscayne, Key Biscayne, Florida, January 23-26, 1993.
14. Program Chairman, Cardiovascular Imaging Symposium sponsored by the



- Division of Nuclear Medicine, Department of Radiology, University of Miami School of Medicine, April 5-6, 1993.
15. Program Chairman, Current Status and Future Directions of Immunoconjugates: Diagnostic and Therapeutic Applications in Benign and Malignant Disorders. Fourth Annual Symposium, Sheraton Royal Biscayne, Key Biscayne, Florida, January 23-26, 1992.
  16. Program Chairman, Cardiovascular Imaging Symposium sponsored by the Division of Nuclear Medicine, Department of Radiology, University of Miami School of Medicine, April 5-6, 1992.
  17. Program Chairman, Current Status and Future Directions of Immunoconjugates -Monoclonal Antibody Based Imaging and Treatment III, sponsored by the Division of Nuclear Medicine, Department of Radiology, University of Miami School of Medicine, Sheraton Royal Biscayne, Key Biscayne, Florida, January 24-26, 1991.
  18. Program Chairman, Categorical Course sponsored by Society of Nuclear Medicine, Cincinnati, Ohio. Convention Center, Cincinnati, Ohio, June 10, 1991.
  19. Program Chairman, Cardiovascular Imaging Symposium sponsored by the Division of Nuclear Medicine, Department of Radiology, University of Miami School of Medicine, April 5-6, 1991.
  20. Program Chairman, Clinical Update: Monoclonal antibody based imaging agents in Nuclear Medicine. Sponsored by Medical College of Wisconsin, Clarion Hotel, Cincinnati, Ohio, June 10, 1991.
  21. Program Director, Cardiovascular Imaging Symposium. Sponsored by the Division of Nuclear Medicine, University of Miami School of Medicine, Grosvenor Hotel, Lake Buena Vista, FL, April 1991.
  22. Program Director, Current Status and Future Directions of Immunoconjugates. Sponsored by the Division of Nuclear Medicine and the Sylvester Comprehensive Cancer Center, Key Biscayne, FL, January 1991.
  23. Program Director, Current Status and Future Directions of Immunoconjugates Monoclonal Antibody-Based Imaging & Treatment II. Orlando, FL, February 16-17, 1990.
  24. Chairman, Current Status and Future Directions of Immunoconjugates Monoclonal Antibody - Based Imaging and Treatment. Sponsored by the Division of Nuclear Medicine, University of Miami School of Medicine, Kissimmee, FL, February 17-18, 1989.
  25. Program Chairman, Annual Nuclear Medicine Seminar Meeting. Presented by the Division of Nuclear Medicine, University of Miami School of Medicine. Cardiovascular Investigation with Radionuclides, Miami Beach, FL, March 12-16, 1987.

26. Program Director, Recent advances in Nuclear Medicine and Other Imaging Modalities. University of Miami School of Medicine, Department of Radiology, Miami Beach, FL, March 23-26, 1983.
27. Program Chairman, In-Service Workshop, Pediatric and Adult Echocardiography. Presented by the Division of Nuclear Medicine, University of Miami School of Medicine, 1981.
28. Co-chairman Program Committee, Gastrointestinal Nuclear Medicine. A Clinical Practicum. Presented by the Society of Nuclear Medicine, Miami Beach, FL, January 26, 1980.
29. Program Co-chairman, Noninvasive Diagnostic Technique in Clinical Practice for the Family Physician, Section Nuclear Medicine and Family Practice, Florida Medical Association Meeting, Bal Harbour, FL, May 6, 1977.
30. Co-chairman Program Committee, New Frontiers in Ultrasound. Presented by the Division of Ultrasound Mount Sinai Medical Center and the University of Miami School of Medicine, Miami Beach, FL, April 1-2, 1977.
31. Co-chairman Program Committee, Continuing Education in Abdominal Diagnostic Ultrasound. Presented by the Division of Ultrasound, Mount Sinai Medical Center and the University of Miami School of Medicine, Miami Beach, FL, January 22, 1977.
32. Co-chairman Program Committee, 4th Medical Cyclotron Users Conference. Baumritter Institute of Nuclear Medicine. Mount Sinai Medical Center, Miami Beach, FL, March 24-27, 1976.

### **32. Community Activities:**

- President, American Heart Association, 1997.
- Board Member, American Heart Association, 1995-1999.
- Expert witness for the Florida Professional Regulation. Lawton Chiles Governor, 1993-1996.  
Function: To provide professional opinions, evaluation and testimony in the area of medicine in protecting the health safety and welfare of the State of Florida.
- Member Rotary Club Downtown Miami, 1982-87 and 1990-1996.
- Member Advisory Council on Radiation Protection, Department of Health and Rehabilitative Services, State of Florida, 1985-2005.
- Member Advisory Council NMR Department of Health and Rehabilitations Services. State of Florida, 1984.

