

## CURRICULUM VITAE

### BARBARA YODER CROFT

#### Personal Data

Birth: August 11, 1940, Port Chester N.Y.

Marital Status: Married to Jerry Porter

Present Address (Home): 3403 Medford Road  
Durham, North Carolina 27705

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#### Educational History

1962 B.A., Chemistry  
Swarthmore College,  
Swarthmore, Pa.

1964 M.A., Chemistry  
The Johns Hopkins University  
Baltimore, Maryland

1967 Ph.D., Physical Chemistry  
The Johns Hopkins University  
Baltimore, Maryland  
Dissertation: A Stripping Theory Model of Ion-Molecule  
Reactions. Abstract in Dissertation Abstracts, B28, 1882 (1967).

1990-1991 Principles of Accounting I, II  
Piedmont Virginia Community College  
Charlottesville, Virginia

1996 Economics 201, 202  
Piedmont Virginia Community College  
Charlottesville, Virginia

#### Experience

1961 N.S.F. Summer Fellowship at Swarthmore College studying the  
nature of a Cr(III) polymer

1961-62 Work for Dr. G. P. Haight, Jr., on Sb(III) chlorides, Swarthmore  
College, Swarthmore, Pa.

1962 Summer work for Dr. W. S. Koski on organic synthesis and electron spin resonance, Johns Hopkins University, Baltimore, Md.

1962-63 Teaching Freshman Chemistry Laboratory and Conference Section, Johns Hopkins University, Baltimore, Md.

1963-64 Teaching Physical Chemistry Conference and Grading, Johns Hopkins University, Baltimore, Md.

1963-65 National Defense Education Act Fellowship, Johns Hopkins University, Baltimore, Md.

1967-68 Senior Scientist, Johnston Laboratories, Inc., Baltimore, Md.

1968 Programmer-C, Computer-Science Center, University of Virginia, Charlottesville, Va.

1969-71 Instructor, Division of Nuclear Medicine Department of Radiology University of Virginia School of Medicine Charlottesville, Va.

1972-1987 Assistant Professor, Division of Medical Imaging Department of Radiology, University of Virginia School of Medicine Charlottesville, Va.

1972-3 months Research Participant, Medical Division Oak Ridge Associated Universities, Oak Ridge, Tenn.

1976 Visiting Scholar, College of Pharmacy University of New Mexico, Albuquerque, N.M.

1984 Expert, International Atomic Energy Agency Hospital Militar, Bogota, Colombia and in Montevideo, Uruguay

1987 Expert, International Atomic Energy Agency Hospital General San Juan de Dios, Guatemala City, Guatemala

1987- 1998	Associate Professor Division of Nuclear Medicine Department of Radiology University of Virginia School of Medicine Charlottesville, Virginia
1989-1992	Practice Manager Department of Radiology University of Virginia Health Sciences Center Charlottesville, Virginia
1993	Expert, International Atomic Energy Agency Hospital University of Chile, Santiago, Chile
1994	Expert, International Atomic Energy Agency University of Peredeniya, Kandy, Sri Lanka
1995	Expert, International Atomic Energy Agency Yerevan, Armenia
1996	Expert, International Atomic Energy Agency Mexico City, Mexico
1996 - 1998	Consulting physicist Rockingham Memorial Hospital Harrisonburg, Virginia
1997	Visiting Professor, University of the State of Mexico Toluca, Mexico, Mexico
1998 - 2011	Program Director, Cancer Imaging Program, National Cancer Institute, Rockville, Maryland
1999	Visiting Professor, University of the State of Mexico, Toluca, Mexico, Mexico
2002	Extramural Scientist Administrator Seminarian, National Institutes of Health
2011 – 2013	Director of Research Support, Duke University Department of Radiology
2013 – present	Consultant, Duke School of Medicine
2019 -	Reviewer, Grant Engine, <a href="https://grantengine.com/">https://grantengine.com/</a>
2018 -	Founding partner, Gopen Porter Partnership, LLC, <a href="https://www.georgegopen.com/">https://www.georgegopen.com/</a>

School of Medicine and University of Virginia Committees

1975-1998	Radioactive Drug Research Subcommittee
1975-1980	User Subcommittee for Design of CPD Accounting System
1976	Ad hoc Minicomputer Subcommittee of the Committee on Computers
1976-1982	Committee on Computers
1977-1998	Radiation Safety Committee
1978-1981	Medical Center Computer Committee
1980-1982	Health Care Information System Task Group
1981-1987	School of Medicine Committee on Computers
1982-1985	Medical Center EDP Steering Committee
1992-1998	Human Investigations Committee

## Professional Societies

Member, American Association for the Advancement of Science  
Member Emerita, American Chemical Society  
Member Emerita, Society of Sigma Xi  
Past Member, American Association of University Professors  
University of Virginia Chapter  
Secretary-Treasurer, 1973-77.  
President, 1978-79.  
Secretary-Treasurer 1982-83, 1985-1998  
Virginia Conference  
Executive Committee, 1986-1987, 1992-1998  
Treasurer, 1993-1995  
President-elect, 1995-1996  
President, 1996-1997  
Member Emerita, American Association of Physicists in Medicine  
Member, American College of Nuclear Physicians, now American College of Nuclear  
Medicine  
Fellow, American College of Nuclear Medicine, 1989  
Committee on Continued Competence  
Alternate Delegate for Virginia, 1980-1998  
Member, Association of University Radiologists  
Member, American College of Radiology  
Member Emerita, Society of Nuclear Medicine and Medical Imaging  
Fellow, Society of Nuclear Medicine and Medical Imaging, 2016  
Medical Internal Radiation Dose Task Group on Xenon,  
Chairman, 1972-76  
Board of Trustees, 1977-1985  
Awards Committee, 1975-80, 1989-  
Computer Committee, 1975  
Task Group on Instrumentation in Nuclear Medicine, 1977-78  
Publications Chairman, 1977-78  
Long Range Planning Task Force, Trustee Selection  
Subcommittee, 1980-1982  
Finance Committee, 1981-1992  
Program Committee, Subcommittee on Computers, 1981-82  
Computer Council  
Publications Chairman, 1976-1977  
Secretary-Treasurer, 1978-80  
President-elect, 1980-81  
President, 1981-82  
President-elect, 1987-88  
**President, 1988-89**  
Past President, 1989-  
Task Group on Strategic Planning 1991-92  
Chairman

Task Group on Restructuring, 1992-93  
Coding and RVU Committee, 1990-1996  
Program Committee, Vice Chairman for Scientific Exhibits, etc.1996-1998  
Correlative Imaging Council Board, 2002-  
Task Group on a National Radionuclide Production Facility, 2003-  
Education and Research Foundation, Board Member, 1988-1996  
Mid-Eastern Chapter  
    Vice-President, 1973-74  
    President, 1974-75  
    Past President and Local Arrangements Chairman, 1975-76  
    Program Committee, 1977-2011  
    Trustee, 1997-2011

## Publications

1. 1965:Haight, G.P., Jr., and Ellis, B.Y. Solubility Studies on Substituted Ammonium Salts of Halide Complexes. IV. Tristetramethyl Ammonium Enneachlorodiantimonate (III): Journal of Inorganic Chemistry 1965, 4: 249
2. 1966:Berta, M.A., Ellis, B.Y., and Koski, W.S. Reactions of  $\text{HD}^+$  with Rare Gases, Journal of Chemical Physics 1966, 44: 4612
3. 1966: Berta, MA., Ellis, B.Y., and W.S. Koski, W.S. Isotope Effect in the Reaction of HDV with Rare Gases: Advances in Chemistry Series, 1966, 58: 80
4. 1967: Howard, A.D. and Howard, B.Y. Solution of Limestone under Laminar Flow between Parallel Boundaries: Caves and Karst 1967, 9: 25
5. 1968: Howard, B.Y. and Koski, W.S. The Radiation Chemical Reactions of Olefins with Methanethiol and with Methylsilanes and of Dimethylamine: Final Report, U.S. Atomic Energy Commission Contract AT (30-1)-3655, JLI-3655-200, Isotopes-Industrial Technology (TID-4500) available from the National Technical Information Service, Springfield, Va. 22151. 92 pages.
6. 1969: Waters, J.R., and Howard, B.Y. Calibration of Instrument for Measurement of Radon Concentrations in Mine Atmospheres: Health Physics 1969, 16: 657
7. 1974: Agarwal, S.K., Wakley, J., Scheele, R. and Howard, B.Y. Correction of Percentage Depth Dose for Varying SSD for 8 MV X-Rays and Co-60 Gamma Rays: Medical Physics 1974, 1: 29
8. 1975:Howard, B.Y. *Xenon Ventilation and Perfusion Studies: Dynamic Studies with Radioisotopes in Medicine 1974*. Vienna: International Atomic Energy Agency, 1975, Vol. II., pp. 369-378
9. 1975: Howard, B.Y. and Teates, C.D. Bone-Scanning Time (Letter to the Editor). Journal of Nuclear Medicine, 1975, 16: 958
10. 1975: Howard, B.Y. Computerized Treatment of Radionuclidic Placental Studies: Transactions of the American Nuclear Society, 1975 Winter Meeting, 1975, 22: 117-118
11. 1976: Howard, B.Y. Safe Handling of Radioiodine: Journal of Nuclear Medicine Technology, 1976, 4: 28-30
12. 1976: Howard, B.Y. Safe Handling of Radio-iodinated Solutions: Operational Health Physics, Proceedings of the Ninth Midyear Topical Symposium of the Health Physics Society, pp 247-249
13. 1976: Howard, B.Y. and Perkins, H.W. Computerization of a Radiology Department: Croft Page 7

Proceedings of the Sixth Symposium on the Sharing of Computer Programs and Technology in Nuclear Medicine, Society of Nuclear Medicine, pp. 102-117

14. 1977: Howard, B.Y. Brain Scanning Agent Mimicking Shunting: Virginia Medical, 1977, 104: 98-100
15. 1977: Watson, E., Howard, B.Y. and Cloutier, R.J. Radiation Dose to the Lungs from Xenon-133: Medical Physics, 1977, 4: 521-523
16. 1977: Williamson, B.R.J., Teates, C.D., Howard, B.Y., Barczak, R.J. and Mosby, R.J., Jr. Clinical Evaluation of the Cleon Imager: Journal of Nuclear Medicine, 1977, 18: 1123-7
17. 1978: Jahn, E. and Howard, B.Y. Computers Serve Radiology at the University of Virginia Medical Center: Applied Radiology, 1978, 7: 46-48
18. 1978: Rhodes, B.A., and Croft, B.Y. *Basics of Radiopharmacy*, C.V. Mosby, Co., St. Louis (book), pp 195
19. 1978: Howard, B.Y. and Harris, C.C. Practical Considerations in the Selection of Data Processing Equipment for Clinical Nuclear Medicine: Applied Radiology, 1978, 7: 129-134
20. 1978: Croft, B.Y. and Teates, C.D. "Lunch Syndrome", a Bone-Scanning Artifact: Case Report: Clinical Nuclear Medicine, 1978, 3: 137-8
21. 1979: Croft, B.Y. "Safe Handling of Radioiodine" (Letter to the Editor): Journal of Nuclear Medicine 1979, 20: 362
22. 1979: Williamson, B.R.J., Teates, C.D., Bray, S.T., Lees, R.F., Croft, B.Y. Renal Excretion Simulating Bone Pathology on Bone Scans-A Technique for Solving this Problem: Clinical Nuclear Medicine, 1979, 3: 200-1
23. 1979: Williamson, B.R.J., Bray, S.T., Teates, C.D., Lees, R.F., Croft, B.Y. and Cochrane, A.H. Soft Tissue Extension of a Bony Metastasis with Tc-99m Methylene Diphosphate Bone Scanning: Virginia Medical, 106: 668-9
24. 1979: Harbert, G.M., Jr., Croft, B.Y., and Spisso, K.R. Effects of Biorhythms on Blood Flow Distribution in the Pregnant Uterus (Macaca Mulatta): American Journal of Obstetrics and Gynecology, 1979, 135: 828-842
25. 1980: Ravdin, J.I., Croft, B.Y. and Guerrant, R.L. Cytopathogenic Mechanisms of Entamoeba histolytica. J. Experimental Medicine, 1980, 152, 377-390
26. 1980: Atkins, H.L., Robertson, J.S., Croft, B.Y. Tsui, B., Susskind, H., Ellis, K.J., Loken, M.K., and Treves, S. Estimates of Radiation Absorbed Doses from Radioxenons in Lung



Imaging: Journal of Nuclear Medicine, 1980, 21: 459-465

27. 1980: Croft, B.Y. Foreward: *Single Photon Emission Computed Tomography and Other Selected Computer Topics*. New York: Society of Nuclear Medicine, 1980, p iii
28. 1981: Croft, B.Y. and Teates, C.D. The Kinetics and Dosimetry of I-131 Hippuran in Renal Transplant Patients: *Third International Radiopharmaceutical Dosimetry Symposium*, U.S. Dept. of Health & Human Services, HSS Pub. FDA 81-8166, 1981, pp. 129-137.
29. 1981: Croft, B.Y. Functional Imaging: *Functional Mapping of Organ Systems and Other Computer Topics*, Esser, P.D., ed, New York: Society of Nuclear Medicine, 1981, pp 1-12
30. 1981: Leidholdt, E.M., Watson, D.D., Read, M.E., Croft, B.Y. and Teates, C.D. Interpolative Background Subtraction using Polygonal Boundary Regions for Gated Blood Pool Imaging: ibid, pp 91-102
31. 1981: Croft, B.Y., Honeyman, J.C., Barczak, R.J. Systematizing the Use of the Nuclear Medicine Computer: ibid, pp 241-250
32. 1981: Croft, B.Y. Review of: Assessment of Absorbed Dose in Clinical Use of Radionuclides. (ICRU report 32) Washington, International Commission on Radiation Units and Measurements, 1979: Journal of Nuclear Medicine, 1981, 22 (7): 661-662
33. 1981: Croft, B.Y. Review of: Tritium and other Radionuclide Labeled Organic Compounds Incorporated in Genetic Material: NCRP Report no. 63. (National Council on Radiation Protection and Measurements) Washington, IAEA, 1979: Journal of Nuclear Medicine, 1981, 22 (7):662.
34. 1982: Cole, A.Z., Croft, B.Y., Brickley, J.J. and Anne, A. Evaluation of Digital Imaging Enhancement Techniques for Liver Scintigrams: Phys. Med. Biol., 1982, 27 (1), 63-72
35. 1982: Croft, B.Y. No-Nonsense Use of Computers in Nuclear Medicine: Applied Radiology, 1982, 11(3): 107-113
36. 1982: Croft, B.Y., Teates, C. D. and Honeyman, J.C. Single Photon Emission Computed Tomography of the Liver: *Digital Imaging*, Esser, P.D., ed, New York: Society of Nuclear Medicine, pp 271-272
37. 1982: Croft, B.Y. Nuclear Medicine: Present and Future: Transactions of American Nuclear Society, 1982, 43:605
38. 1982: Croft, B. Y. Review of: *Handling Radioactivity*, Stewart, D. C. New York, John Wiley & Sons, 1981: Journal of Nuclear Medicine, 1982, 23(7):646
39. 1983: Croft, B. Y., Teates, C. D., Honeyman, J. C. Single Photon Emission Computed

Tomography and Albumin Colloid Imaging of the Liver: *Diagnostic Imaging in Medicine*, Reba, R. C., Goodenough, D. J., and Davidson, H. F., eds., The Hague, Martinus Nijhoff Publishers, 1983, pp. 590-600

40. 1983: Croft, B. Y. and Teates, C. D. Experience with Single Photon Emission Computed Tomography of the Liver: *Emission Computed Tomography*, Esser, P.D., ed., New York, Society of Nuclear Medicine, 1983, pp 155-162
41. 1983: Teates, C.D., Tegtmeier, C.J., Croft, B.Y., and Ayers, C.R. Effects of Percutaneous Transluminal Angioplasty on Renal Plasma Flow: *Seminars in Nuclear Medicine*, 1983, 13(3): 245-257
42. 1983: Teates, C.D., Croft, B.Y., Brenbridge N.A.G., Bray, S.T., and Williamson, B.R.J. Emission Tomography of the Kidney: *Southern Medical Journal*, 1983, 76(12):1499-1502
43. 1983: Croft, B.Y., Review of: *Quality Control in Diagnostic Imaging*, Gray, J.E., Winkler, N.T., Stears, J., et al, Baltimore: University Park Press, 1983: *Journal of Nuclear Medicine*, 1983, 24(11): 1087-1088
44. 1984: Cole, A. Z., Croft, B. Y., and Brickley, J.J. An Adaptive Digital Imaging Processing System. Proc. 1984 Assoc. for Computer Machinery Southeast Regional Conference, pp 133-138.
45. 1984: Croft, B. Y. Progress and the Choice of a New Radiology Management System: Proceedings of the Eighth Conference on Computers in Radiology, American College of Radiology, pp. 119-136.
46. 1984: Croft, B. Y., Single Photon Emission Computed Tomography, Outline and bibliography, pp 33-43. IX Congreso de la Asociacion Latinoamericana de Sociedades de Biologia y Medicina Nuclear (ALASBIMN), 9-13 Diciembre 1984, Hotel Casino Carrasco, Montevideo, Uruguay.
47. 1986: Croft, B. Y. *Single Photon Emission Computed Tomography*, Chicago:Year Book Medical Publishers, pp 300.
48. 1986: Croft, B. Y. Single-photon emission computed tomography: technical aspects and recent advances. In *Nuclear Medicine Annual 1986*, eds. L. M. Freeman and H. S. Weissman. New York: Raven Press pp 1-18.
49. 1986: Croft, B. Y. Radiation dose estimates for the arterial injection of Tc-99m labeled HSA microspheres and macroaggregated particles. Proceedings of the Fourth International Radiopharmaceutical Dosimetry Symposium, NTIS, CONF-851113-(DE86010102), pp 260-266.
50. 1986: Weber, D. A., Paras, P., Harris, C. C., Benua, R. S., Brill, M. L., Croft, B. Y., Lull,

R. L., and Wiley, A.L. Initial testing and quality control for radionuclide dose calibrators. Committee on Standardization of Nuclear Medicine Instrumentation, American College of Nuclear Physicians. NUCL MED COMMUN 1986 Jul; 7(7):555-65.

51. 1987: Croft, B. Y. Quality Assurance. In Nuclear Medical Physics, Vol. 3, pp. 97-115, ed. L.E. Williams, Boca Raton, FL: CRC Press.
52. 1987: Joyce, J. M., Croft, B. Y., and Teates, C. D. Imaging: nuclide studies. In *Adult and Pediatric Urology*, eds. J. Y. Gillenwater, J. T. Grayhack, S. S. Howards, and J. W. Duckett. Chicago:Year Book Medical Publishers, pp. 169-190.
53. 1988: Croft, B. Y. SPECT of the liver and spleen. In *Effective Use of the Computer in Nuclear Medicine*, eds. M. Gelfand and S. Thomas. New York:McGraw-Hill, pp. 438-452.
55. 1988: Graham, M. M., Lewellen, T. K., King, M. A., Croft, B. Y., Wong, D. F., Esser, P. D., Goris, M. L. Considerations in the purchase of a nuclear medicine computer system. J. Nucl. Med. 29: 717-724, 1988.
56. 1988: Croft, B. Y. Commentary. Lines from the President. J. Nucl. Med. 29: 1475-1476, 1988.
57. 1988: Croft, B. Y. Commentary. Lines from the President. J. Nucl. Med. 29: 1891-1892, 1988.
58. 1988: Marcus, C. S., Croft, B. Y., Pollycove, M. The FDA/SNM/ACNP recruitment venture: A joint effort for mutual benefit. J. Nucl. Med. 29: 1477, 1988.
59. 1989: Croft, B. Y. Nuclear medicine, management, and reimbursement. App. Rad. 18(6):19-21, 1989.
60. 1989: Diagnostic Imaging
61. 1989: Williamson, B. R. J., Teates, C. D., Phillips, C. D., Croft, B. Y. Computed tomography as a diagnostic aid in diabetic and other problem feet. Clin. Imag. 13: 159-163, 1989.
62. 1989: JNM 30: n277
63. 1989: JNM 30: n992
64. 1989: Paulsen, E. P., Seip, R. L., Ayers, C. R., Croft, B. Y., Kaiser, D. L. Plasma renin activity and albumin excretion in teenage type I diabetic subjects. A prospective study. Hypertension 13: 781-788, 1989.
65. 1990: Smith, J. J., Croft, B. Y., Brookeman, V. A., Teates, C. D. Estimation of 24-hour

thyroid uptake of I-131 sodium iodide using a 5-minute uptake of technetium-99m pertechnetate. Clin. Nucl. Med. 15: 80-83, 1990.

66. 1990: deLange, E. E., Shaffer, H. A., Croft, B. Y. Radiographic examination of the stomach and duodenum: comparison of single-, double- and biphasic-contrast methods. Eur. J. Rad. 10: 167-174, 1990.
67. 1990: Paulsen, E. P., Pauly, F. L., Croft, B. Y., Teates, C. D. Simultaneous measurement of glomerular filtration rate and effective renal plasma flow reveals increased glomerular capillary pressure among teenage diabetic subjects. In Radionuclides in Nephro-Urology, Vol 79 Contributions in Nephrology, Blafox, M. D., Hollenberg, N. K., and Raynaud, C. (eds). Karger: Basel, 1990, pp. 52-57.
68. 1990: Rijke, A. M., Croft, B. Y., Johnson, R. A., de Jongste, A. B., Camps, J. A. Lymphoscintigraphy and lymphedema of the lower extremities. J. Nucl. Med. 31: 990-998, 1990.
69. 1990: Teates, C. D., Croft, B. Y., Williamson, B. R. J., Kutchman, R. Background subtracted ventilation imaging. App. Rad. 19(6):15-19, 1990.
70. 1990: Croft, B. Y. Instrumentation and computers for brain single photon emission computed tomography. Seminars in Nucl. Med. 20 (4): 281-289, 1990.
71. 1991: Croft, B. Y., Joyce, J. M., Teates, C. D. Nuclide studies. In *Adult and Pediatric Urology*, Second Edition, J. Y. Gillenwater, et al. (eds). Hanover, MD: Mosby-Year Book, pp 189-213.
72. 1991: Stubbs, J. B., Valenzuela, G. A., Stubbs, C.C., Croft, B. Y., Teates, C. D., Plankey, M. W., McCallum, R. W. A noninvasive scintigraphic assessment of the colonic transit of nondigestible solids in man. J. Nucl. Med. 32: 1375- 1381, 1991.
73. 1991: Croft, B.Y. Regulatory control of radiopharmaceuticals. In *New Trends in Radiopharmaceutical Synthesis, Quality Assurance, and Regulatory Control*, A. M. Emran, ed. New York: Plenum Press, 1991, pp 471-476.
74. 1993: Reist CJ, Combs MJ, Croft BY, Taylor RP. Antigens pre-bound to the primate erythrocyte complement receptor via cross-linked bispecific monoclonal antibody heteropolymers are rapidly cleared from the circulation. *European Journal of Immunology*. 23(11):3021-7, 1993 Nov.
75. 1995: Croft BY. Instrumentation. In *The Biomedical Engineering Handbook*, JD Bronzino, ed. Boca Raton, FL: CRC Press, Inc., 1995, pp1046-1055.
76. 1995: Croft BY. CT, PET, and SPECT. In *The American Chemical Society Encyclopedia of Scientific Instrumentation*, A Levin, LG Rubin, FA Settle, Jr. Washington, DC:

American Chemical Society, 1995.

77. 1996: Croft, B. Y., Joyce, J. M., Parekh, J., Teates, C. D. Nuclide studies. In *Adult and Pediatric Urology*, Third Edition, J. Y. Gillenwater, et al. (eds). St. Louis, MO: Mosby-Year Book, 1996, pp 193-217.
78. 1996: Committee for Review and Evaluation of the Medical Use Program of the Nuclear Regulatory Commission. Gottfried K-L D, Penn G, Eds. *Radiation in Medicine: A Need for Regulatory Reform*. Washington, DC: National Academy Press, 308 pp, 1996.
79. 1999: Ferro-Flores G, Pimentel-Gonzalez G, Gonzalez-Zavala MA, Arteaga de Murphy C, Melendez-Alafort L, Tendilla JI, Croft BY. Preparation, biodistribution, and dosimetry of <sup>188</sup>Re-labeled MoAb ior ceal and its F(ab')<sub>2</sub> fragments by avidin-biotin strategy. *Nucl Med Biol*. 1999 Jan;26(1):57-62.
80. 1999: Ferro-Flores, G., Ramirez, F.de M., Tendilla, J.I., Pimentel-Gonzalez, G., Murphy, C.A., Melendez-Alafort, L., Ascencio, J.A., Croft, B. Y. Preparation and pharmacokinetics of samarium(III)-153-labeled DTPA-bis-biotin. Characterization and theoretical studies of the samarium(III)-152 conjugate. *Bioconj. Chem*. 10: 726-734, 1999.
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82. 2000: Croft BY, Orton CG. With the expectation that cancer detection and treatment will occur increasingly at the molecular and gene levels, medical physics trainees should take courses in molecular biology and genetics. *Med Phys*. 2000 Jun;27(6):1209-11.
83. 2000: Hoffman JM, Staab EV, Begg L, Croft BY, Menkens AE, Sullivan DC. Congressional update: report from the Biomedical Imaging Program of the National Cancer Institute. Training the next generation of imaging scientists and clinicians. *Acad Radiol*. 2000 Aug;7(8):678-80.
84. 2000: Houn F, Bright RA, Bushar HF, Croft BY, et al. Study design in the evaluation of breast cancer imaging technologies. *Acad Radiol* 2000; 7:684-692.
85. 2000: Eckelman WC, Tatum JL, Kurdziel KA, Croft BY. Quantitative analysis of tumor biochemistry using PET and SPECT. *Nucl Med Biol*. 2000 Oct;27(7):633-5.
86. 2001: Arteaga de Murphy C, Ferro-Flores G, Pedraza-Lopez M, Melendez-Alafort L, Croft BY, Ramirez FM, Padilla J. Labelling of Re-ABP with <sup>188</sup>Re for bone pain palliation. *Appl Radiat Isot*. 2001 Mar;54(3):435-42.
87. 2001: Hoffman JM, Croft BY. Future directions in small animal imaging. *Lab Anim (NY)*. 2001 Mar;30(3):32-5.

88. 2001: Croft BY, Hoffman JM. NCI-funded small animal imaging programs. National Cancer Institute. Acad Radiol. 2001 Apr;8(4):372-4.
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90. 2004: Croft BY. The future of medical imaging in the detection of early markers of disease. Dis Markers. 2004;19(2-3):155-65.
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92. 2004: Croft BY. Animal models for imaging. Dis Markers. 2002;18(5-6):365-74.
93. 2004: Armato SG 3rd, McLennan G, McNitt-Gray MF, Meyer CR, Yankelevitz D, Aberle DR, Henschke CI, Hoffman EA, Kazerooni EA, MacMahon H, Reeves AP, Croft BY, Clarke LP; Lung Image Database Consortium Research Group. Lung image database consortium: developing a resource for the medical imaging research community. Radiology. 2004 Sep;232(3):739-48.
94. 2006 Meyer CR, Johnson TD, McLennan G, Aberle DR, Kazerooni EA, MacMahon H, Mullan BF, Yankelevitz DF, van Beek EJ, Armato SG 3rd, McNitt-Gray MF, Reeves AP, Gur D, Henschke CI, Hoffman EA, Bland PH, Laderach G, Pais R, Qing D, Piker C, Guo J, Starkey A, Max D, Croft BY, Clarke LP. Evaluation of lung MDCT nodule annotation across radiologists and methods. Acad Radiol. 2006 Oct;13(10):1254-65.
95. 2007 Reeves AP, Biancardi AM, Apanasovich TV, Meyer CR, MacMahon H, van Beek EJ, Kazerooni EA, Yankelevitz D, McNitt-Gray MF, McLennan G, Armato SG 3rd, Henschke CI, Aberle DR, Croft BY, Clarke LP. The Lung Image Database Consortium (LIDC): a comparison of different size metrics for pulmonary nodule measurements. Acad Radiol. 2007 Dec;14(12):1475-85.
96. 2007 Armato SG 3rd, McNitt-Gray MF, Reeves AP, Meyer CR, McLennan G, Aberle DR, Kazerooni EA, MacMahon H, van Beek EJ, Yankelevitz D, Hoffman EA, Henschke CI, Roberts RY, Brown MS, Engelmann RM, Pais RC, Piker CW, Qing D, Kocherginsky M, Croft BY, Clarke LP. The Lung Image Database Consortium (LIDC): an evaluation of radiologist variability in the identification of lung nodules on CT scans. Acad Radiol. 2007 Nov;14(11):1409-21.
97. 2007 Armato SG 3rd, Roberts RY, McNitt-Gray MF, Meyer CR, Reeves AP, McLennan G, Engelmann RM, Bland PH, Aberle DR, Kazerooni EA, MacMahon H, van Beek EJ, Yankelevitz D, Croft BY, Clarke LP. The Lung Image Database Consortium (LIDC): ensuring the integrity of expert-defined "truth". Acad Radiol. 2007 Dec;14(12):1455-63.

98. 2007 McNitt-Gray MF, Armato SG 3rd, Meyer CR, Reeves AP, McLennan G, Pais RC, Freymann J, Brown MS, Engelmann RM, Bland PH, Laderach GE, Piker C, Guo J, Towfic Z, Qing DP, Yankelevitz DF, Aberle DR, van Beek EJ, MacMahon H, Kazerooni EA, Croft BY, Clarke LP. The Lung Image Database Consortium (LIDC) data collection process for nodule detection and annotation. *Acad Radiol.* 2007 Dec;14(12):1464-74.
99. 2007 Reeves AP, Biancardi AM, Apanasovich TV, Meyer CR, MacMahon H, van Beek EJ, Kazerooni EA, Yankelevitz D, McNitt-Gray MF, McLennan G, Armato SG 3rd, Henschke CI, Aberle DR, Croft BY, Clarke LP. The Lung Image Database Consortium (LIDC): a comparison of different size metrics for pulmonary nodule measurement. *Acad Radiol.* 2007 Dec;14(12):1475-85.
100. 2007 Croft BY. NCI Cancer Imaging Program efforts and their application to non-conventional radionuclides. *Q J Nucl Med Mol Imaging.* 2008 52(June): 107.
101. 2008 Croft BY. NCI Cancer Imaging Program Update. *J Nucl Med* 2008; 49: 40N-42N.
102. 2008 Armato S 3rd, Meyer C, McNitt-Gray M, McLennan G, Reeves A, Croft B, Clarke L. The Reference Image Database to Evaluate Response to Therapy in Lung Cancer (RIDER) Project: A Resource for the Development of Change-Analysis Software. [\*Clin Pharmacol Ther.\* 2008 Oct;84\(4\):448-56. Epub 2008 Aug 27](#)
103. 2008 Kurdziel K, Ravizzini G, Croft B, Tatum J, Choyke P, Kobyashi H. The evolving role of nuclear molecular imaging in cancer. *Expert Opin Med Diagn* 2008 Jul; 2(7):829-842.
104. 2009 Croft BY. Molecular imaging news from NCI and the Cancer Imaging Program. *J Nucl Med* 2009 Mar; 50(3):15N.
105. 2009 Armato SG 3rd, Roberts RY, Kocherginsky M, Aberle DR, Kazerooni EA, MacMahon H, van Beek EJ, Yankelevitz D, McLennan G, McNitt-Gray MF, Meyer CR, Reeves AP, Caligiuri P, Quint LE, Sundaram B, Croft BY, Clarke LP. Assessment of radiologist performance in the detection of lung nodules: dependence on the definition of "truth". *Acad Radiol* 2009, Jan; 16(1):28-38.
106. 2009 Clarke LP, Croft BY, Nordstrom R, Zhang H, Tatum J. Quantitative imaging for evaluation of response to cancer therapy. *Trans Oncol* 2009, Dec; 2(4):195-97.
107. 2010 Balter JM, Haffty BG, Dunnick NR, Siegel EL; Imaging Opportunities Workshop Participants. Imaging opportunities in radiation oncology. *Int J Radiat Oncol Biol Phys.* 2011 Feb 1;79(2):342-7. Epub 2010 Aug 26
108. 2011 Armato SG III, McLennan G, Bidaut L, ..., Croft BY, Clarke LP. The lung image database consortium (LIDC) and image database resource initiative (IDRI): a completed reference database of lung nodules on CT scans. *Med Phys* 2011, Feb; 38(2):915-931.

Papers Presented at Regional and National Meetings

1965: Ellis, B.Y., Koski, W.S. and Berta, M.A. Structural Ion Impact Model of Ion-Molecule Reactions: American Chemical Society. Abstract in Abstracts of Papers, 150th Meeting, American Chemical Society, p. V25.

1965: Berta, M.A., Ellis, B.Y., and Koski, W.S. The Reactions of Deuterium Hydride Ion with Krypton, Neon and Helium: American Chemical Society. Abstract in Abstracts of Papers, 150th Meeting, American Chemical Society, p.V25.

1966: Howard, A.D., and Ellis, B.Y. Solution of Limestone Under Laminar Flow between Parallel Boundaries: Geology Section, National Speleological Society, American Association for the Advancement of Science Annual Meeting. Abstract in National Speleological Society Bulletin, 25, 104 (1967)

1967: Howard, B.Y. and Koski, W.S. A Stripping Theory Model for Ion-Molecule Reactions: American Chemical Society. Abstract in Abstracts of Papers, 154th Meeting, American Chemical Society, p. V091

1968: Howard, B.Y. and Sander, D.L. Radiation-Induced Addition of Methanethiol to Ethylene and other Olefins: American Chemical Society Maryland Section and Chemical Society of Washington, no abstract

1968: Howard, B.Y. Radiation Chemistry of Dimethylamine: American Chemical Society Maryland Section and Chemical Society of Washington, no abstract

1971: Howard, B.Y. Computer Improvement of Anger Camera Image Quality: First Annual Meeting of the Mid-Eastern Chapter, Society of Nuclear Medicine, no abstract

1971: Agarwal, S.K., Howard, B.Y., Scheele, R.V. and Wakley, J. The Use of Tissue Maximum Charts for Rotational Therapy: American Association of Physicists in Medicine. Abstract in Quarterly Bulletin of the American Association of Physicists in Medicine, 5, 123 (1971)

1972: Agarwal, S.K., Howard, B.Y., Wakley, J. and Scheele, R.V. Correction of percentage depth dose for varying SSD for 8 MV X-Rays: American Association of Physicists in Medicine. Abstract in Physics in Medicine and Biology, 17, 867 (1972)

1973: Howard, B.Y. Background in Xe-133 Ventilation and Perfusion Studies: Third Annual Meeting of the Mid-Eastern Chapter, Society of Nuclear Medicine, no abstract

1973: Howard, B.Y. Xe-133 Ventilation and Perfusion Studies: Old Dominion Nuclear Medicine Technical Society, no abstract

1973: D'Amico, D., Cloutier, R.J., Barber, L.R. and Howard, B.Y. Distribution and Retention of Gold-Thioglucose in Mice: American Society for Pharmacology and Experimental Therapeutics.



Abstract in *The Pharmacologist*, 15, 229 (1973)

1974: Howard, B.Y. Xenon Ventilation and Perfusion Studies: Symposium on Dynamic Studies with Radioisotopes in Clinical Medicine and Research, International Atomic Energy Agency, no abstract

1974: Howard, B.Y. Technetium Radiopharmaceutical Chemistry, American College of Radiology, Virginia Chapter, Section of Nuclear Medicine, no abstract (Invited Presentation)

1975: Howard, B.Y. Computerization of a Department: An Experience: Fifth Annual Meeting of the Mid-Eastern Chapter, Society of Nuclear Medicine, no abstract

1975: Watson, E.E., Howard, B.Y. and Cloutier, R. J. Radiation Dose to the Lungs from Xe-133: Twenty-first Annual Meeting of the Society of Nuclear Medicine. Abstract in *Journal of Nuclear Medicine*, 16, 580 (1975)

1975: Howard, B.Y. Radiation Dosimetry of Xe-133 and Xe-127: Delaware Valley Chapter of the American Association of Physicists in Medicine, no abstract

1975: Howard, B.Y. Computerized Treatment of Radionuclidic Placenta Studies. American Nuclear Society Winter Meeting

1976: Howard, B.Y. and Perkins, H.W., III. Computerization of a Radiology Department: Sixth Symposium on Sharing of Computer Programs and Technology in Nuclear Medicine, no abstract

1976: Howard, B.Y. Practical Computer Applications: Nuclear Medicine Conference, Medical College of Virginia, no abstract

1976: Howard, B.Y. Iodine Chemistry and the Safe Handling of Radioiodine, Ninth Mid-year Symposium on Operational Health Physics, Health Physics Society, no abstract

1976: Howard, B.Y. Cloutier, R.J. and Watson, E. Renal Dosimetry of Transplant Patients Following Administration of I-131 Sodium Iodohippurate: Symposium on Radiopharmaceutical Dosimetry, no abstract

1976: Howard, B.Y. Methods of Image Improvement in Nuclear Medicine: 1976 Fall DECUS Symposium, no abstract

1977: Harris, C. and Howard, B.Y. Practical Considerations of Data Processing Equipment in Clinical Nuclear Medicine Services: 1977 Annual Meeting of the American College of Nuclear Physicians, no abstract (Invited Presentation)

1977: Howard, B.Y. Computer Applications in Nuclear Medicine: Nuclear Medicine Conference, Medical College of Virginia, no abstract (Invited Presentation)

1977: Harris, C.C., Howard, B.Y. Practical Considerations of Data Processing Equipment in

Nuclear Medicine Services: Twenty-fourth Annual Meeting, Society of Nuclear Medicine (Invited Presentation)

1979: Croft, B.Y. The Role of Computers in Nuclear Medicine: Old Dominion Society of Nuclear Medicine Technology, no abstract (Invited Presentation)

1979: Croft, B.Y. and Watson, D.D. Computer Options in Nuclear Medicine: Virginia Chapter, American College of Radiology, Section of Nuclear Medicine (Invited Presentation)

1979: Williamson, B.R.J., McLaughlin, R.E., Teates, C.D., Bray, S.T. Croft, B.Y. Bone Scanning in the Painful Total Hip Prosthesis with Particular Emphasis on Separating Loosening from Infection: Ninth Annual Meeting, Mid-Eastern Chapter of the Society of Nuclear Medicine, no abstract

1979: Croft, B.Y., Teates, C.D., Wakefield, J.A., Bray, S.T., Williamson, B.R.J. Gallium and Desferrioxamine: I. Time and Dose Effects and Blood Clearance and Urinary Excretion. II. Kinetics of Interaction in Normal Dogs. Ninth Annual Meeting, Mid-Eastern Chapter, Society of Nuclear Medicine, no abstract

1979: Croft, B.Y., Teates, C.D., and Wakefield, J.A. Desferrioxamine Effects on Ga-67 Kinetics in Normal Dogs and Rabbits: 31st Annual South Eastern Regional Meeting, American Chemical Society, no abstract

1979: Korzeniowski, O.M., Beller, G.A., Croft, B.Y., and Sande, M.A. Detection of Experimental Aortic Valve Vegetation by Gamma Camera Imaging. Abstract in *Clinical Research* 27, 181A (1979)

1979: Croft, B.Y. Computers in Nuclear Medicine: How to Choose One and Use One: Annual Meeting, Virginia Chapter, American College of Radiology, no abstract

1979: Croft, B.Y. Function and Imaging. President's Symposium. 21st Annual Meeting, American Association of Physicists in Medicine (Invited Presentation), no abstract

1979: Croft, B.Y., Teates, C.D., Wakefield, J.A., Williamson, B.R.J., and Bray, S.T. Gallium and Desferrioxamine: Time and Dose Effects on Kinetics in Normal Dogs and Rabbits: 65th Scientific Meeting and Assembly, Radiological Society of North America

1980: Cole, A.Z. and Croft, B.Y. Image Enhancement Techniques as Applied to Anger Camera Liver Scintigrams. 10th Symposium on the Sharing of Computer Programs and Technology in Nuclear Medicine, no abstract

1980: Read, M.E., Watson, D.D., Janowitz, W.R., and Croft, B.Y. A Unified Technique for Handling Background in Gated Equilibrium Cardiac Studies. 10th Symposium on the Sharing of Computer Programs and Technology in Nuclear Medicine, no abstract

1980: Watson, D.D., Read, M.E., Campbell, N.P. and Croft, B.Y. Computer Quantification of Tl-

201 Myocardial Distribution and Washout. 10th Symposium on the Sharing of Computer Programs and Technology in Nuclear Medicine, no abstract

1980: Read, M.E., Teates, C.D., Croft, B.Y., Brenbridge, N.A.G., and Buschi, A. Clinical Evaluation of Tc-99m N-(p-Butylphenylcarbamoylmethyl) Iminodiacetic Acid (BIDA). 10th Annual Meeting Mideastern Chapter, Society of Nuclear Medicine, no abstract

1980: Croft, B.Y., Wakefield, J.A., and Teates, C.D. Autoradiographic Determination of Ga-67 Uptake in Two Abscess Models in Rabbits. 10th Annual Meeting, Mid-Eastern Chapter, Society of Nuclear Medicine, no abstract

1980: Croft, B.Y. The Simultaneous Quantitation of Multiple Radionuclides by NaI(Tl) Systems. 10th Annual Meeting, Mideastern Chapter, Society of Nuclear Medicine, no abstract

1980: Croft, B.Y., and Teates, C.D. The Kinetics and Dosimetry of I-131 Hippuran in Renal Transplant Patients: Third International Radiopharmaceutical Dosimetry Symposium, no abstract

1980: Watson, D.D., Beller, G.A., Teates, C.D., and Croft, B. Y. Thallium-201 Redistribution after Transient Myocardial Ischemia: Third Internaltional Radiopharmaceutical Dosimetry Symposium, no abstract

1981: Croft, B. Y. Introduction and Review of Functional Mapping: First Conjoint Winter Conference, Computer Council, Society of Nuclear Medicine

1981: Leidholdt, E. M., Watson, D.D., Read, M.E., Croft, B. Y., Teates, C.D. Interpolative Background Subtraction Using Polygonal Boundary Regions for Gated Blood Pool Imaging: First Conjoint Winter Conference, Computer Council, Society of Nuclear Medicine

1981: Honeyman, J.C., Barczak, R.J., Croft, B.Y. Systematizing the use of the Nuclear Medicine Computer: First Conjoint Winter Conference, Computer Council, Society of Nuclear Medicine

1981: Croft, B. Y. and Honeyman, J.C. Computer Workshop: First Conjoint Winter Conference, Technologists' Section, Society of Nuclear Medicine (Invited Presentation)

1981: Croft, B. Y. Quality Assurance of Ventilation Studies: First Conjoint Winter Conference, Technologists' Section, Society of Nuclear Medicine (Invited Presentation)

1981: Croft, B. Y. Techniques of Uniformity Correction on Gamma Camera: Virginia Chapter, American College of Radiology, Section of Nuclear Medicine, no abstract

1981: Croft, B. Y. Functional Imaging: Mid-Eastern Chapter Society of Nuclear Medicine, no abstract (Invited Presentation)

1981: Honeyman, J. C., Barczak, R. J., Croft, B. Y. Systematizing the use of the Nuclear Medicine Computer: Mid-Eastern Chapter, Society of Nuclear Medicine, no abstract

1981: Read, M. E. and Croft, B. Y. Newer Hepatobiliary Imaging Techniques: Virginia Chapter, American College of Radiology, no abstract

1981: Croft, B. Y. and Barczak, R. J. "Bits and Bytes"-Nibbling at Computer Programming: 28th Annual Meeting, Society of Nuclear Medicine, Technologists' Section, no abstract (Invited Presentation)

1981:Croft, B. Y. Quality Assurance of Gas and Aerosol Procedures: 28th Annual Meeting, Society of Nuclear Medicine, Technologists' Section, no abstract (Invited Presentation)

1981: Croft, B. Y., Teates, C. D., Honeyman, J. C. Single Photon Emission Computed Tomography and Albumin Colloid Imaging of the Liver: NATO Advanced Study Institute, no abstract

1981: Arora, N. S. Rochester, D. F. and Croft, B. Y. Effects of Hypoxia and Resistive Work Load on Diaphragm Blood Volume: 32nd Annual Meeting of the American Physiological Society. Abstract in the Physiologist 24(4), p.31.

1982: Croft, B. Y., Teates, C. D., Honeyman, J. C. Single Photon Emission Tomography of the Liver: Computer Council, Society of Nuclear Medicine, no abstract

1982:Croft, B. Y. Hardware and Software Improvements of Single Photon Emission Computed Tomography: Mid-Eastern Chapter Society of Nuclear Medicine, no abstract

1982: Teates, C. D., Croft, B. Y. Single Photon Emission Computed Tomography of the Liver: Mid-Eastern Chapter Society of Nuclear Medicine, no abstract

1982: Teates, C. D., Croft, B. Y., Tegtmeyer, C. J., Bray, S.T., Ayers, C. R., Read, M. E., Williamson, B. R. J. Computed Tomography of the Liver: Mid-Eastern Chapter Society of Nuclear Medicine, no abstract

1982: Honeyman, J. C., Croft, B. Y. Maximizing Quality of Emission Computed Tomographic Images, Technologist Section, Mid-Eastern Chapter Society of Nuclear Medicine, no abstract  
1982Honeyman, J. C. and Croft, B. Y. Maximizing Quality of Emission Computed Tomographic Images: 29th Annual Meeting, Society of Nuclear Medicine, Technologist Section

1982: Teates, C. D. and Croft, B. Y. Emission Tomography: Practical Applications: Postgraduate Course, University of Virginia, no abstract

1982:Croft, B. Y. Computers for the "Computer-Shy". Workshop, 29th Annual Meeting, Society of Nuclear Medicine, no abstract

1982: Jaszczak, R. J., Croft, B. Y., Keys, J.W., Jr. Correlative Imaging (SPECT): 29th Annual Meeting, Society of Nuclear Medicine, no abstract (Invited Presentation).

1982: Croft, B. Y., Teates, C. D. and Honeyman, J.C. Hardware and Software Improvements of Single Photon Emission Computed Tomography: 29th Annual Meeting, Society of Nuclear Medicine. Abstract in Journal of Nuclear Medicine, 1982, 23, P53

1982: Croft, B. Y. and Teates, C. D. Emission Tomography-Basic Concepts and Applications, Virginia Chapter American College of Radiology, Section on Nuclear Medicine

1982: Croft, B. Y. Nuclear Medicine: Present and Future: American Nuclear Society Winter Meeting, no abstract (Invited Presentation)

1982: Croft, B. Y. The Future of Nuclear Medicine: Sixth Annual Symposium on Computer Applications in Medical Care, Abstract in Proceedings of the Sixth Annual Symposium on Computer Applications in Medical Care, p. 341.

1983: Croft, B. Y. and Teates, C. D. Experience with Single-Photon Emission Computed Tomography of the Liver: Computer Council, Society of Nuclear Medicine, no abstract

1983: Croft, B. Y. Measurement and Assessment of Flood-Field Uniformity for Single Photon Emission Computed Tomography: Mid-Eastern Chapter, Society of Nuclear Medicine, no abstract

1983: Teates, C. D. and Croft, B. Y. Evaluation of Hemangiomas of the Liver Using SPECT: Mid-Eastern Chapter, Society of Nuclear Medicine, no abstract

1983: Croft, B. Y. Measurement and Assessment of Flood-Field Uniformity for Single Photon Emission Computed Tomography: Virginia Chapter, American College of Radiology, no abstract

1983: Croft, B. Y., Teates, C. D., Wakefield, J. A. Bray, S. T. and Williamson, B. R. J. Ga-67 and Desferrioxamine: Time and Dose Effects on Blood Clearance and Urinary Excretion: 30th Annual Meeting, Society of Nuclear Medicine, Poster Session, abstract in Journal of Nuclear Medicine 1983, 24, P102

1983: Croft, B. Y. Patient Dose from Diagnostic Radiopharmaceuticals: 1983 Health Physics Society Summer School on Internal Radiation Dosimetry, (Invited Presentation), no abstract

1984: Croft, B. Y. Update on SPECT: Technology of NMR, presented by the Computer and Instrumentation Councils of the Society of Nuclear Medicine, no abstract

1984: Croft, B. Y. Update on SPECT: Fourteenth Annual Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, no abstract

1984: Croft, B. Y. Update on SPECT: Virginia Chapter, American College of Radiology, no abstract

1984: Croft, B. Y. Progress and the Choice of a New Radiology Management System: Eighth

Conference on Computers in Radiology, no abstract

1984: Croft, B. Y. Review of the State of the Art and the Future of Hardware and Software for SPECT: Continuing Education Session on Instrumentation Advances in SPECT (Invited Presentation), 31st Annual Meeting of the Society of Nuclear Medicine, no abstract

1984: Croft, B. Y., Computers for the Computer-Shy Workshop, 31st Annual Meeting, Society of Nuclear Medicine, no abstract.

1984: Croft, B. Y., Introduccion a las transformadas de Fourier, Technicas de reconstruccion d las imagenese de SPET, Correccion a la atenuacion de fotones, Principios fisicos de las imagenese de resonancia magnetica (MRI), Control de calidas de SPET, Panel: Necesidad de Fisicos en NM, IX Congreso de la Asociacion Latinoamericana de Sociedades de Biologia y Medicina Nuclear (ALASBINM), 9-13 Diciembre 1984, Hotel Casino Carrasco, Montevideo, Uruguay.

1984: Croft, B. Y., International Atomic Energy Agency Expert, Colombia and Uruguay, "Quality Control of Nuclear Medicine Procedures in Vivo". (3 weeks).

1985: Croft, B. Y., Computers for the Computer Shy Workshop, Mid-Eastern Chapter, Society of Nuclear Medicine, no abstract.

1985: Croft, B. Y., Computers for the Computer-Shy Workshop, 32nd Annual Meeting, Society of Nuclear Medicine, no abstract.

1985: Croft, B. Y., SPECT-Technology and Quality Assurance, 4th Conjoint Winter Meeting, Society of Nuclear Medicine, Abstract; Journal of Nuclear Medicine, 1985, 26, 113.

1985: Croft, B. Y. Radiation dose estimates for the arterial injection of Tc-99m labeled microspheres and macroaggregated particles. Fourth International Radiopharmaceutical Dosimetry Symposium.

1986: Croft, B. Y. How SPECT works. SNM Clinical SPECT Symposium, Dallas, Texas.

1986: Croft, B. Y. Patient Set-up parameters. SNM Clinical SPECT Symposium, Dallas, Texas.

1986: Croft, B. Y. and Teates, C. D. Lithotripsy and renal function. Mid-Eastern Chapter, Society of Nuclear Medicine, no abstract.

1986: Croft, B. Y. Patient Set-up parameters. SNM Clinical SPECT Symposium, Washington, D.C.

1987: Croft, B. Y. Purchasing Strategies. SNM-ACNP SPECT in Clinical Practice Symposium, San Francisco, California.

1987: Rijke, A. M., Croft, B. Y., Johnson, R. A., de Jongste, A. B. Lymphoscintigraphy and

Lymphedema of the Lower Extremities. 73rd Scientific Assembly, Radiological Society of North America, Chicago.

1987: Croft, B. Y., Pauly, F., Noland, L., Bolton, K. <sup>99m</sup>Tc DTPA and I-125 Iothalamate Plasma Clearances in Diabetic Patients. 20th Annual Meeting, American Society of Nephrology, Washington, D.C.

1988: Croft, B. Y., Pauley, F., Noland, L., Teates, C.D., Bolton, W. K. Technetium-99m DTPA and I-125 iothalamate plasma clearances in diabetic patients. Presented at the 35th Annual Meeting of the Society of Nuclear Medicine, St. Louis. Abstract in J. Nucl. Med. 29: 816,1988.

1989: Stubbs, J. B., Cohan, E. S., Croft, B. Y., McCallum, R. W. Dosimetric calculations of an encapsulated nondigestible indium-111 source in the human gastrointestinal tract. Presented at the 36th Annual Meeting of the Society of Nuclear Medicine, St. Louis. Abstract in J. Nucl. Med. 30: 882, 1989.

1990: Combs, M. J., Mulder, R. U., Croft, B. Y., Plankey, M. W., McCallum, R. W. Evaluation of a portable CdTe gamma detection system for gastric emptying measurements. Presented at the 37th Annual Meeting of the Society of Nuclear Medicine, Washington. Abstract in J. Nucl. Med. 31: 759, 1990.

1991: Pittsburgh Chapter, Society of Nuclear Medicine, October, 2 talks

1992: Croft, B. Y. SPECT: Starting Here, Starting Now. Quality Assurance. 37th Annual Meeting of the Southwestern Chapter of the Society of Nuclear Medicine, San Antonio, April.

1992: Croft, B. Y. SPECT Quality Control for Technologists. 37th Annual Meeting of the Southwestern Chapter of the Society of Nuclear Medicine, San Antonio, April.

1994: Porter, J., Croft, B. Y. Crutch Swing: An Aid to Ambulation. Poster at the American Physical Therapy Association/ Canadian Physical Therapy Association Meeting, Toronto, June 5-8.

1994: Posters at Society of Nuclear Medicine Meeting, Orlando, FL, June 5-8, 1994

1. Combs MJ, Croft BY, Arora J, Teates CD, Biodistribution of Tc-99m sestamibi in rats utilizing whole-body autoradiography. Abstract: J Nucl Med 35: 159P, 1994

2. Combs MJ, Mulder RU, Croft BY, Teates CD, Chan K, McCallum RW, Gastric emptying, small bowel transit, and colonic arrival of two different particle sizes compared to a solid meal. Abstract: J Nucl Med 35: 170P, 1994.

1995: Overview of Medical Imaging. Institute of Medicine, Yerevan, Armenia, December, 1995.

1996: Introduction to the Internet. 2 1-hour sessions. Society of Nuclear Medicine Meeting, Denver, CO, June 2-6, 1996.

1997: Internet Tutorial. 2 1:15-hour sessions. Society of Nuclear Medicine Meeting, San Antonio, TX, June 2-5, 1997.

2000: 2 sessions on federal funding, Society of Nuclear Medicine Meeting, St Louis, MO, June 2000.

2001: session on federal funding, Society of Nuclear Medicine Meeting, Toronto, ONT, Canada, June 2001.

2002: session on federal funding, Society of Nuclear Medicine Meeting, Los Angeles, CA, June 2002.

2002: session on federal funding, Society of Molecular Imaging Meeting, Boston, MA, September 2002.

2003: Non-Invasive Autopsy Workshop, Rockville, Maryland, March 12-13, 2003; organized and spoke.

2003: session on federal funding, Society of Nuclear Medicine Meeting, New Orleans, LA, June 2003.

2003: Radionuclide Availability: Research and Beyond; workshop co-sponsored by the Society of Nuclear Medicine and the Cancer Imaging Program, September 15 and 16, 2003, Gaithersburg, MD; organized, spoke, drafted report

2004: Talk on Clinical Imaging Informatics, DIA Annual Meeting, Washington, DC, June 2004

2004: session on federal funding, Society of Nuclear Medicine Meeting, Philadelphia, PA, June 2004.

2005: session on federal grant funding, Society of Nuclear Medicine Meeting, June 2005

2006: 4 presentations at Academy of Molecular Imaging Meeting, Orlando, FL, March 2006

2006: session on federal grant funding, Society of Nuclear Medicine Meeting, San Diego, CA, June 2006

2007: session on federal grant funding, Society of Nuclear Medicine Meeting, Washington, DC, June 2007

2007: organized NCI Workshop: Use of PET CT in the Clinic and Clinical Trials: Quantitation for Change Analysis, , Society of Nuclear Medicine Meeting, Washington, DC, June 2007; presentation: Fryback & Thornbury and PET Imaging – Where are we? Questions for Consideration Today



2007: session on federal grant funding, Academy of Molecular Imaging/Society for Molecular Imaging Meeting, Providence, RI, September 2007

2008: session on federal grant funding, Society of Nuclear Medicine Meeting, New Orleans, LA, June 2008

2009: session on federal grant funding, Society of Nuclear Medicine Meeting, Toronto, Ontario, Canada, June 2009

2009: "From ICMIC to ACRIN: From Basic Oncologic Imaging Trials in the US National Cancer Institute Framework", presented to Canadian Natural Sciences and Engineering Research Council and Canadian Institutes of Health Research workshop on medical imaging research funding, Vancouver, BC, October 2009

2010: session on federal grant funding, Society of Nuclear Medicine Meeting, Salt Lake City, Utah, June 2010

2010: session on federal grant funding, World Molecular Imaging Meeting, Kyoto, Japan, September 2010

2012: "Past >>> Future: An Emphasis on the Role of MidEastern Chapter Participants", MidEastern Chapter, Society of Nuclear Medicine, College Park, MD, April, 2012

2012: "What is NIH Funding Doing for You?", Southeastern Chapter, Society of Nuclear Medicine, Savannah, Ga, September 2012

Graduate Thesis Advisor or Co-Advisor for

Anthony W. Cole, Ph.D. 1977

John Weaver, Ph.D. 1983

David B. Ameen, M.S. 1987

James B. Stubbs, M.S., Ph.D. 1989

Matthew J. Combs, M.S. 1990

Matthew J. Combs, Ph.D., 1992

Consuelo Murphy, ScD, UAEM, 1999

Guillermina Ferro Flores, ScD, UAEM, 1999

## Exhibits

1974: Howard, B.Y. and Hart, P.L. Ultrasound: The Non-Invasive Eye: Twentieth Annual Meeting, Society of Nuclear Medicine

Howard, B.Y. Smoothing Functions-Not so Smooth: Twentieth Annual Meeting, Society of Nuclear Medicine (Invited)

1975: Howard, B.Y. Smoothing Functions-Not so Smooth: Historical Section, Twenty-first Annual Meeting, Society of Nuclear Medicine

Howard, B.Y. Safe Handling of Radioiodine: Jiffyzibit, Twenty-first Annual Meeting Society of Nuclear Medicine

Howard, B.Y. Computerized Reporting of Nuclear Medical Statistics: Jiffyzibit, Twenty-first Annual Meeting, Society of Nuclear Medicine

1976: Teates, C.D., Howard, B.Y., Williamson, B.R.J., and Barczak, R.J. Critical Evaluation of the Cleon Imager: Annual Meeting, Radiologic Society of North America

1977: ibid., Twenty-Fourth Annual Meeting, Society of Nuclear Medicine, 1977

1979: Croft, B.Y. and Wakefield, J.A. Autoradiography of Macrocryomicrotome Sections Using Routine Materials and Methods 1. Twenty-sixth Annual Meeting, Society of Nuclear Medicine. HONORABLE MENTION  
2. Sixty-fifth Scientific Program and Annual Meeting, Radiological Society of North America, HONORABLE MENTION

## Other Professional Activities

1974: Monitor for Committee on Accreditation, Society of Nuclear Medicine, Technetium Radiopharmaceutical Symposium

1975: Director for Workshop on Quality Assurance of Scintillation Cameras held at University of Virginia

1975: Monitor for Committee on Accreditation, Society of Nuclear Medicine, Course on Standardization, Performance, and Quality Control in Nuclear Medicine

1976: Co-Chairman of Data Analysis I Session at Society of Nuclear Medicine Annual Meeting, Dallas, Texas

1976-80: FDA Radiopharmaceutical Advisory Committee

1976: Editor, Proceedings of the Sixth Symposium on the Sharing of Computer Programs and

Technology in Nuclear Medicine, Society of Nuclear Medicine, 1976

1976: Monitor for Committee on Accreditation, Society of Nuclear Medicine, Mid-Eastern Chapter Meeting

1976: Panel Member for University of Virginia Medical Center Hour Presentation entitled "Computers in Health Care-Success and Failures"

1977: Editor, Proceedings of the Seventh Symposium on the Sharing of Computer Programs and Technology in Nuclear Medicine, Society of Nuclear Medicine and TIC-ERDA, 1977

1977: Speaker and Organizer, Workshop on Radionuclide Handling and Radiopharmaceutical Quality Assurance, sponsored by the University of Virginia, the Bureau of Radiological Health, and the Technologist Section of the Mideastern Chapter of the Society of Nuclear Medicine, held at the University of Virginia

1978: Scientific Participant, 1978 Highlights in Nuclear Medicine, Society of Nuclear Medicine,

1979: Scientific Participant, 1979 Highlights in Nuclear Medicine, Society of Nuclear Medicine

1977, 78, 79: "Computer Applications" Lecture for National Naval Medical Center's Course in Radioisotope Techniques and Nuclear Medicine, Bethesda, Md.

1980: Monitor for Committee on Accreditation, Society of Nuclear Medicine, 10th Symposium on the Sharing of Computer Programs and Technology in Nuclear Medicine

1980: Consultant, FDA Radiopharmaceutical Drugs Advisory Committee

1982, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995: Organizing informal "Computers for the Computer-Shy" course at Society of Nuclear Medicine Annual Meeting

1982-1983: Organizing Apple Users' Group of the Society of Nuclear Medicine

1982, 1983: Chairing Sessions at SNM  
1984, 1995

1982, 1983: Abstracting for the Journal of Nuclear Medicine

1980, 1981: "Generators" and "Single Photon Emission Computed  
1982, 1983 Tomography" Lectures for National Naval Medical  
1984, 1985 Center's Officers' Course in Nuclear Medicine and  
Radioisotope Techniques, Bethesda, Md.

1986: "Instrumentation:Imaging Systems", "Thyroid", "Lungs", "Radiopharmaceuticals II/Radioimmunoassay" Lectures for the Oak Ridge Associated Universities' course on "Medical Uses of Radionuclides".

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1986-1994: "Single Photon Emission Computed Tomography" Lecture for National Naval Medical Center's Officers' Course in Nuclear Medicine and Radioisotope Techniques, Bethesda, Md.

1986: National Cancer Institute Grant Review Consultant.

1993, 1994: Reviewer for SBIR proposals for NSF, August, 1993, September 1994

1994: Reviewer of SBIR proposals for NIH, July 1994

1994: Reviewer for Society of Nuclear Medicine annual meeting abstracts

1994: Reviewer for Society of Computer Applications in Radiology annual meeting abstracts

Reviewer for Journal of Nuclear Medicine for a number of years.

1994-1995: Committee Member, Institute of Medicine's Committee to Review and Evaluate the U.S. Nuclear Regulatory Commission Medical Use Program.

1995: Reviewer of NSF-Whitaker Cost-Reducing Technologies proposals, March 1995

1996: Consultant to Tri-Med Corp, Charlottesville, Va., in their pursuit of FDA approval for the C-14 urea breath test for H. pylori infection.

1996: Reviewer of SBIR proposals for NIH, April 1996; July 1996; November 1996

1989-1996: Judge for Scientific exhibits, Society of Nuclear Medicine Annual Meeting.

1997: Reviewer for NSF CAREER awards, January 1997

1997: Monitor for Committee on Accreditation, Society of Nuclear Medicine, Mid-Eastern Chapter Meeting

2009 – Reviewer for Canadian Institutes of Health Research (CIHR): Alternative Radiopharmaceuticals for Medical Imaging

2010 – Reviewer for CIHR: [Team Grant: Physical Activity, Mobility and Health](#)

2010 – Reviewer for CIHR: [Medical Imaging Clinical Trials Network](#)

2011 – Reviewer for CIHR - Networks of Centres of Excellence (NCE)

2012-13 – Reviewer for CIHR: Peer Review of Institute of Circulatory and Respiratory Health Network

2016 – Reviewer for CIHR: Spring 2016 Stage 1 Project Scheme Competition