

301788

**Veterans
Administration**

July 1, 1986

In Reply Refer To: 566/115

United States Nuclear Regulatory Commission
Division of Fuel Cycle and Material Safety
Washington, DC 20555

THRU: Regional Director (10BA2/115)
Mid-Atlantic Region
VA Central Office
810 Vermont Avenue, N.W.
Washington, DC 20420

SUBJ: New User of Radioisotopes on License Number 19-00975-01
(expires 11-30-89)

It is requested that Norman D. LaFrance, M.D., be added to our license as a user. He has been certified by the American Board of Nuclear Medicine September 11, 1982, and is an Assistant Professor in Radiology at Johns Hopkins Hospital. His only function will be to read Nuclear Medicine scans.

Philip S. Elkins
PHILIP S. ELKINS
Director

Enclosures:
Nuclear Medicine Certification
Curriculum Vitae
Hospital Approvals (2)

Concur with request
James W. Fletcher
7/10/86
JAMES W. FLETCHER, M.D.
Director, Nuclear Medicine Service (115)
Veterans Administration
Washington, DC 20420

FEE EXEMPT**RECEIVED**

JUL 7 1986

DIRECTOR, MID-ATLANTIC REGION
(10BA2)

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JUL 15 1986

The American Board of Nuclear Medicine

Incorporated 1971

A conjoint Board organized with the sponsorship of the American Board of Internal Medicine, American Board of Pathology, American Board of Radiology and the Society of Nuclear Medicine

hereby certifies that

Norman David Laffrance, M.D.

has met the requirements of this Board and is
certified as qualified to practice as a specialist in
all aspects of clinical and laboratory

Nuclear Medicine

including but not limited to Radiobioassay, Nuclear Imaging,
in Vivo Measurements & Therapy with unsealed Radionuclides.

William H. Bloch, M.D.
CHAIRMAN



Robert L. Massey, M.D.
SECRETARY

04798
NUMBER

9/11/82
DATE

CURRICULUM VITAE

NAME: Norman D. LaFrance
DATE OF BIRTH: August 6, 1947
MARITAL STATUS: Married, 3 daughters
Spouse, Mary Catherine ("M.C.")

CITIZENSHIP: USA

BUSINESS ADDRESS: Division of Nuclear Medicine
Johns Hopkins Hospital
615 N. Wolfe Street
Baltimore, Maryland 21205

HOME ADDRESS: 217 Tunbridge Road
Baltimore, Maryland 21212
(301) 532-2558

EDUCATION:

1975-1977 M.D. Degree, University of Arizona, College of Medicine, Tucson, Arizona; included electives at Yale University, College of Medicine, New Haven, Connecticut and Washoe Medical Center, Reno, Nevada.

1973-1975 Years 1 and 2 Medical School - University of Nevada, College of Medicine, Reno, Nevada

1969-1970 Master of Engineering Degree in Nuclear Engineering & Science, Rensselaer Polytechnic Institute, Troy, New York.

1965-1969 Bachelor of Science Degree in Nuclear Engineering & Science, Rensselaer Polytechnic Institute, Troy, New York.

QUALIFICATIONS:

B.S. - 1969
M.E. - 1970
M.D. - 1977
NBME (Diplomate) - certified 1978
ABIM (Diplomate) - certified 1980
ABNM (Diplomate) - certified 1982

Honors

Who's Who in American Colleges & Universities
Olympia (Athletic Honorary)
Captain, Varsity Swimming Team
Most Valuable Swimmer
Atomic Energy Commission Fellowship
Rensselaer Scholarship
Treasurer, Theta Chi Fraternity (social)
Dean's List

Mosby Scholarship Award for Scholastic
Excellence
Health Profession Scholarship

ENGINEERING
APPOINTMENTS HELD:

- 1970-1971 Nuclear Engineer assigned to Technical Training. Directed, supervised and administered course desing including considerable lecturing; consulted to federal and state health agencies for broad aspects of radiation health, safety and biology, reactor safety and physics, weapons testing and uranium mill tailings effects.
- 1971-1973 Director - Environmental Impact Statement (EIS). Directed, supervised, administered and trained personnel for all aspects of EIS preparation and review for light water nuclear reactors; helped develop national EPA policy on EIS.
- 1973 Director, Thermonuclear Fusion Area. Directed investigation into environmental aspects of thermonuclear fusion area in addition to above responsibility.

MEDICAL EXPERIENCE: (Past)

- 1977-1978 Internship: Straight medical, PGY-1 Hartford Hospital, Hartford, CT.
- 1978-1980 Residency: Straight medical PGY 2 & 3 Hartford Hospital, Hartford, CT.
- 1978-1980 Medical Advisor, Sterret & Associates, Canton, CT.
- 1978-1980 Medical Appointment: Emergency Room Physician, Windham Community Hospital, Williamantic, CT.
- 1979-1980 Staff Appointment: Instructor, Dept. of Surgery, Emergency Medicine, U. of CT., School of Medicine; U. of CT Health Center, Farmington, CT.
- 1980-1982 Staff Appointment: Emergency Room Physician, North Arundel Hospital, Glen Burnie, MD.

1980-1982 Fellowship: Nuclear Medicine Resident and
Fellow, Division of Nuclear Medicine, Johns
Hopkins Medical Institutions.

MEDICAL EXPERIENCE: (Current)

1983-present Assistant Professor Medicine, Johns Hopkins
Medical Institutions, Johns Hopkins Univer-
sity (joint appointment).

1983-present Associate Director and Clinical Director,
Division of Nuclear Medicine, Johns Hopkins
Medical Institutions.

1982-present Director, In-Vitro, Division of Nuclear
Medicine, Johns Hopkins Medical Institutions.

1982-present Assistant Professor, Department of Radiology
& Radiological Sciences, Division of Nuclear
Medicine, Johns Hopkins Medical Institutions,
Johns Hopkins Medical Institutions, Johns
Hopkins University.

1982-present Assistant Professor, Environmental Health,
School of Hygiene and Public Health, Johns
Hopkins Medical Institutions, Johns Hopkins
University.

1980-present Faculty, Nuclear Medicine Technology, Essex
Community College and Johns Hopkins Medical
Institutions.

1981-present Faculty for JHMI Course on Nuclear Cardiology

1981-present Consultant, Department of Education, State of
Maryland.

1981-present Consultant, Department of the Navy, National
Naval Medical Center, Bethesda, Maryland.

1978-present Medical Advisor, Northwestern Mutual Life
Insurance Company, Milwaukee, Wisconsin.

CONTINUING EDUCATION:

M.K.S.A.P. V 1982
M.K.S.A.P. VI 1984
M.K.S.A.P. VII 1986
Physicians Recognition Award (AMA)
Teaching Improvement Seminar

PROFESSIONAL LICENSES:

Licensed by Maryland Dept. of Health and
Mental Hygiene as Physician and Surgeon
Licensed by Connecticut State Dept. of Health
as Physician and Surgeon
United States Department of Justice, Research
DEA #, certificate Maryland Federal Registra-
tion
United States Department of Justice, Clinical
DEA #, certificate Connecticut and Maryland
Federal Registration
Diplomate of the National Board of Medical
Examiners
Senior Reactor Operator's License (allowed
to expire)
ABIM Board certified
ABNM Board certified

PROFESSIONAL OFFICES:

National
Trustee, Society of Nuclear Medicine
Academic Council, Society of Nuclear Medicine

Regional
Secretary/Treasurer, Society of Nuclear
Medicine, Mid-Eastern Chapter, 1984-1986

COMMITTEE MEMBERSHIPS:

Chairman
RDRC (Radioactive Drug Research Committee)
CRRC (Clinical Radioactive Research Committee)
MIRU (Medical-Industrial Radiation Users)
(Chairman, Membership Committee)

Member
JCCI (Human Investigation Committee, JHMI)
Staff Conference Committee (JHMI)
Radiation Safety Committee

Committee Memberships (continued)

Member

CARER (Center for the Advancement of Radiation Education and Research)

MIRU (Medical-Industrial Radiation Users)

(Member, Steering Committee and general member)

Nuclear Medicine Advisory Committee - Johns Hopkins Medical Institutions/Essex Community College Program

PAST COMMITTEE MEMBERSHIPS:

Scientific Committee, Mid-Eastern SNM Annual Meeting, 1984

Member, Nuclear Medicine Syllabus Subcommittee, Society of Nuclear Medicine

Co-Chairman of the Clinical Research Radiation Committee

Co-Chairman of the Radioactive Drug Research Committee, Johns Hopkins Medical Institutions, Baltimore, Md.

Joint Committee on Clinical Investigation, Johns Hopkins Medical Institutions, Baltimore, Md. (Alternate)

PROFESSIONAL MEMBERSHIPS:

Maryland Society of Nuclear Medicine

Society of Nuclear Medicine

American College of Nuclear Physicians

The Johns Hopkins Medical and Surgical Association

American Medical Association

American College of Physicians

American Nuclear Society (inactive)

Maryland Medical and Chirurgical Society

Radiological Society of North America

American College of Radiology

Radiation Research Society

PROFESSIONAL JOURNAL REVIEWER

The Journal of Urology

Journal of Nuclear Medicine

STAFF APPOINTMENTS:

Johns Hopkins Hospital (Primary appointment)
Key Hospital (formerly Balto. City Hospitals)
Sinai Hospital of Baltimore (affiliated with JHMI)
Consultant: Good Samaritan Hospital,
Fallston General Hospital, Union Memorial
Hospital (Clinical Faculty locations)

MILITARY:

Obligation fulfilled by voluntary duty USPHS
1970-73
Assigned to Environmental Protection Agency,
National Environmental Research Center, Las
Vegas, NV (See Engineering Appts., pg. 2.)
Rank: Lieutenant (senior grade)
No reserve requirement. Received top secret
security clearance.

INTERESTS:

(Non Professional)

Physical fitness

PUBLICATIONS:

Abstracts

1. Single photon emission computed tomography (SPECT) of Experimental Rabbit Liver Tumors. Mid Eastern Chapter Society of Nuclear Medicine, XII Annual Meeting, 1982. J Nucl Med 23:p95.
2. Ibid, Annual Meeting, Society of Nuclear Medicine, 1982.
3. Computer-Assisted Bayesian Analysis in the Diagnosis of Coronary Artery Disease. Society of Nuclear Medicine Annual Meeting, 1982.
4. Intraperitoneal Xenon (Xe) for the Detection of Early Intestinal Ischemia: Influence of Ascities, Adhesions and Misdirected Injection: Gharagozloo F, Bulkley GB, LaFrance ND, et al. Annual Meeting, Association for Academic Surgery, 1982.
5. The Clinical Usefulness of a Free Triiodothyronine (F 13) RIA Using a Tracer Analogue Method. Chan DW, Drew H, Stem J, LaFrance N, DeGuzman A. American Association for Clinical Chemistry, Annual Meeting, July 1983.

Abstracts (continued)

6. Plasma Volume Responses During Bedrest in Healthy Women. Fortney S, Drew H, and LaFrance N. Aerospace Medicine Society, Annual Meeting, Houston Texas, May 23-26, 1983.
7. Detection of Splenic Platelet Sequestration Using Indium-111 Platelets in Patients Refractory to Platelet Transfusion: Civelek A, Braine H, LaFrance N, et al. American Assoc Blood Banks Annual Meeting, 10/83.
8. Mechanism by which Enalapril Reduces Renal Function in Renovascular Hypertension. Bender WL, LaFrance ND, Walker WG. Circ, 1983.
9. A Diagnostic Algorithm for the Systemic Radiologic Evaluation of Liver Lesions: Katz RD, . . . LaFrance ND. Radiological Society of North America Annual Meeting, 1983, Chicago, Illinois.
10. Enalapril and Renal Function in Renovascular Hypertension. Bender WL, LaFrance ND, Walker WG. American Heart Association Annual Meeting, 1983.
11. Mechanism by which Enalapril Reduces Renal Function in Renovascular Hypertension. Bender WL, LaFrance ND, Walker WG. Council for High Blood Pressure Research 37th Annual Fall Conference and Scientific Sessions, 1983.
12. Left Ventricular End Diastolic Volume (LVEDV) During Mechanical Ventilation with Positive End Pressure (PEEP). LaFrance ND, White J, Wagner HN, Jr., Breslow M, Miller C. Society of Nuclear Medicine Annual Mid-Eastern Meeting 1984.
13. Performance Evaluation of the Kineticount 48 Gamma Counter and Solid Phase Reagents for T4 and Free T4. Drew H, Fong P, Chan DW, LaFrance ND. American Association for Clinical Chemistry Annual Meeting 1984.
14. An Enzyme-linked Immunoabsorbent Assay for Estimating Red Cell Survival of Transfused Red Cells - Validation Using Cr-51 Labeling. Drew H, Kickler T, Smith B, LaFrance N. Society of Nuclear Medicine Annual Meeting 1984.

Abstracts (continued)

15. Renal Function in Patients with Renovascular Hypertension Following Inhibition of Angiotensin Converting Enzymes. Drew H, LaFrance ND, Bender WL, Walker WG. Society of Nuclear Medicine Mid-Eastern Meeting 1984.
16. Ibid. Society of Nuclear Medicine Annual Meeting, 1984.
17. Performance Evaluation of the Kineticount 48 Gamma Counter and Solid Phase Reagents for T4 and Free T4. Drew H, Fong P, Chan D, LaFrance N. Society of Nuclear Medicine Annual Meeting 1984.
18. Kinetics and Biodistribution of In-111 Platelets in Patients with Bone Marrow Transplants, Refractory to Platelet Transfusion. Civelek C, Braine H, Scheffel U, Drew H, Koester A, LaFrance N, Kasecamp W, Wagner HN, Jr. Society of Nuclear Medicine Mid-Eastern Meeting, 1984.
19. A Diagnostic Algorithm for the Systematic Radiologic Evaluation of Jaundice Patients. Katz RD, LaFrance ND, Fishman EK, Sanders RC, Durrance D, Efron G. RSNA Annual Meeting 1984 Washington, DC.
20. A Diagnostic Algorithm for the Systematic Radiologic Evaluation of Jaundice Patients. Katz R, LaFrance ND, et al. Society of Nuclear Medicine Annual Meeting, 1984.
21. Thallium-201 Exercise Studies as Predictors of Aorto-coronary Bypass Graft Patency. Richards GJ, LaFrance ND, Wagner HN Jr. Society of Nuclear Medicine Mid-Eastern Meeting 1984.
22. Pulmonary Aspiration of Gastric Contents During Routine Endoscopy. LaFrance ND, Cole P, Wolf E, Giardello F, Wagner HN Jr. J Nucl Med 25:p39, 1985.
23. Indium-111 Antimyosin Antibody (Ab) For Assessing Myocardial Damage. LaFrance ND, Becker L, Takeda K, Gato N, Links J, Ravert H, Wong D, Wagner HN Jr. J Nucl Med 26:p33, 1985.
24. Radiation Dosimetry of (p,2n) ^{123}I -d,l-n-Isopropyl-p-iodoamphetamine (IAMPH) HCl. LaFrance ND, Wagner HN Jr, Drew H, Cole P, Beck T, Links J, Mitchell T. XV Annual Meeting, Mid-Eastern Society Nucl Med, 1985.

Abstracts (continued)

25. Assessment of Dopamine Receptor Blockade by Neuroleptic Drugs in the Living Human Brain. Wong DF, Wagner HN Jr. . . LaFrance ND, et al. J Nucl Med 26:1985.
26. Comparison of Two Immunoradiometric Assays for Serum Thyrotropin. Scheinin B, Drew H, LaFrance N, Ladenson P, Wagner HN Jr. J Nucl Med 26:1985.
27. Plasma Volume Losses During Simulated Weightlessness in Women. Drew H, Fortney S, LaFrance N, Wagner Jr. J Nucl Med 26:1985.
28. Aspiration Associated with Esophagogastroduodenoscopy (EGD): Assessment by a Radionuclide Technique. Wolf E, Giardello F, LaFrance ND, et al. Submitted to 1985 Meeting of the American Society for Gastrointestinal Endoscopy.
29. Plasma volume losses during simulated weightlessness in women. Drew H, Fortney S, LaFrance N, et al. XV Annual Meeting, Mid Eastern SNM, 1985.
30. Comparison of two immunoradiometric assays for serum thyrotropin. Scheinin B, Drew H, LaFrance N, et al. XV Annual Meeting, Mid Eastern SNM, 1985.
31. Pulmonary aspiration of gastric contents during routine endoscopy. LaFrance N, Cole P, Wolf E, et al. XV Annual Meeting, Mid Eastern SNM, 1985.
32. Indium-111 antimyosin antibody (Ab) for assessing myocardial damage. LaFrance N, Becker L, Takeda K, et al. XV Annual Meeting, Mid Eastern SNM, 1985.
33. Assessment of dopamine receptor blockade by neuroleptic drugs in the living human brain. Wong DF, Wagner HN, Coyle H, . . . LaFrance N, et al. XV Annual Meeting, Mid Eastern SNM, 1985.
34. Plasma volume losses during simulated weightlessness in women. Drew H, Fortney S, LaFrance N, Wagner HN Jr. Research Reports 3(7):July, 1985.
35. Indium-111 antimyosin antibody (Ab) for assessing myocardial damage. LaFrance N, Becker L, Takeda K, et al. Research Reports 3(8):August, 1985.

Abstracts (continued)

36. Glomerular filtration rate in severe renal disease. Drew H, LaFrance N, Walser M. Radionuclides in Nephrology 1986 Sixth International Symposium.
37. Radioisotopic evidence that endoscopic sphincterotomy alters biliary flow in patients with common duct stones and papillary stenosis. Wolf E, LaFrance N, Milligan F. American Gastroenterological Association 1986.
38. Plasma volume maintenance during bedrest in women receiving premarin. Fortney S, . . . LaFrance N, et al. Journal of Aerospace Medicine, 1985.
39. New approaches to the diagnosis and management of choroidal melanoma. Newsome D, . . . LaFrance N, Aguayo J, Mieli M. Wilmer Ophthalmological Assoc. 1985.
40. New approaches to the evaluation and management of patients with intraocular tumors. Schachar A, . . . LaFrance N, et al. American Academy of Ophthalmology 1985.
41. Multicenter trial of indium-111 antimony for infarct-avid scintigraphy. Berger H, Alderson P, Becker, Cannon P, Gold H, James C, Johnson L, Khaw B, LaFrance N, et al. (Sub. Ann. Meeting SNM 1986)
42. Gastric assessment using radiotracers in behavioral eating disorder syndromes. Kasecamp W, Koller D, LaFrance N, Dohler W., Hubbard F. (Sub. Ann. Meeting SNM 1986)
43. Assessment of salivary gland function using Tc99m pertechnetate. Penn K, Koller D, Kasecamp W, Cole P, Drubach L, LaFrance N. (Sub. Ann. Meeting SNM 1986)
44. Scintigraphic assessment of hepatic artery infusion pump. Ripplin R, Cole P, Koller D, LaFrance N. (Sub. Ann. Meeting SNM 1986)
45. Assessment of hepatobiliary function in patients undergoing endoscopic sphincterotomy. Koller D, Kasecamp, Cole P, LaFrance N, Wolf E. (Sub. Ann. Meeting SNM 1986)
46. Quantitative assessment of secretion of Tc-99m pertechnetate in salivary gland disease. Drubach L, LaFrance N, Kashima H, et al. (Sub. Ann. Meeting SNM 1986)

Abstracts (continued)

47. Glomerular filtration rate measurements in patients with severe renal disease using Tc-99m DTPA and 125-iothalamate. Drew H, LaFrance N, Walser M. (Sub. Ann. Meeting SNM 1986)
48. In-111-antimyosin monoclonal antibody in the detection of doxorubicin induced cardiotoxicity. Lee M, LaFrance N, Takeda K, et al. (Sub. Ann. Meeting SNM 1986)
49. Objective criteria for assessing homogeneity in bronchopulmonary distribution of Tc-99m labelled saline aerosol in normal subjects and asthma patients. Laube B, Links J, LaFrance N, et al. (Sub. Ann. Meeting SNM 1986)
50. GFR and ERPF changes following long-term administration of non-steroidal anti-inflammatory drugs in patients with mild renal disease. Drew H, LaFrance N, Speilman P, Whelton A. (Sub. Ann Meeting SNM 1986)
51. Radionuclide assessment of hepatic artery infusion pump (HAIP) function. Civelek A, LaFrance N, Grochow L, Cole P. (Sub. Ann. Meeting SNM 1986)
52. C11-methionine and F18-deoxyglucose (FDG) in the post operative management of patients with brain tumors with positron emission tomography. LaFrance N, Links J, Williams J, et al. (Sub. Ann. Meeting SNM 1986)
53. In 111 antimyosin monoclonal antibody (AMAb) in detecting rejection of heart transplants. LaFrance N, Hall T, Dolher W, et al. (Sub. Ann. Meeting SNM 1986)
54. Quantitative hepatobiliary imaging in assessing the effect of endoscopic sphincterotomy. LaFrance N, Koller D, Cole P, et al. (Sub. Ann. Meeting SNM 1986)
55. Radionuclide assessment of gastric emptying in anorexia nervosa and bulimia. LaFrance N, Hubbard F, Kasecamp W, et al. (Sub. Ann. Meeting SNM 1986)
56. Diagnosis of acute cardiac rejection utilizing phosphorus nuclear magnetic resonance, antimyosin monoclonal antibody, 2-D echocardiography and endocardial biopsy. Hall T, Baumgartner W, Borkon M, LaFrance N, . . . Reitz B. (Sub. Int. Soc. for Heart Transplantation 1986.)

Abstracts (continued)

57. GFR measurements in patients with severe renal disease using Tc99m-DTPA and I125-iothalamate. Drew H, LaFrance N, Walser M. (Sub. American Society for Clinical Investigation 1986)

PUBLICATIONS:

Journal Articles

1. Decreased Accumulation of ^{123}I isopropyl-iodoamphetamine in Brain Tumor. LaFrance ND, Wagner HN Jr., et al J Nucl Med 22:1081-1083, 1981.
2. Phase I Clinical Report for ^{123}I isopropyl-iodoamphetamine. Accepted by FDA 1983.
3. Intraperitoneal Xenon (Xe) for the Detection of Early Intestinal Ischemia: Influence of Ascities, Adhesions and Misdirected Injection. Gharagozloo F, Bulkley GB, LaFrance ND, et al. J Surg Research 34:581-583, 1983.
4. Isopropyl-I 123 -iodoamphetamine: Safety, Kinetics and Dosimetry in Man. LaFrance N, et al. (In preparation)
5. The role of Thallium-201 Scintigraphy in the Diagnosis of Coronary Artery Disease. Al-Eid M, LaFrance ND. Iraqi Medical Journal (accepted for publication).
6. Thyrotoxicosis in Pregnancy: Al-Eid M, LaFrance ND. Iraqi Medical Journal (accepted for publication).
7. Accuracy of Bone Scans and Radiographs in Biopsy Proven Bone Lesions: Al-Eid, LaFrance ND, et al (submitted).
8. Nuclear Imaging in Emergencies: Part I. Al-Eid MA and LaFrance ND (accepted for publication).
9. Nuclear Imaging in Emergencies: Part II. Al-Eid MA and LaFrance ND (accepted for publication).
10. Nuclear Imaging in Emergencies: Part III. Al-Eid MA and LaFrance ND (accepted for publication).
11. Utility of Planar Brain Imaging Utilizing N-Isopropyl-Iodoamphetamine. LaFrance ND. I123-Amphetamine proceeding of a Colloquium held at Wurlingen, Switzerland 1983, pp 60-73.

Journal Articles (continued)

12. Perfusion-Ventilation Scintigraphy in Detecting Pulmonary Embolism. Al-Eid MA, LaFrance ND, Wagner HN Jr. (accepted for publication).
13. Monoclonal Antibodies: Today's status and future hopes. LaFrance N, Donner M, Larson S. Dtsh. Med. Wschr. 110(1985), 651-653.
14. Diagnostische Anwendung Monoklonaler Antikörper. LaFrance N, Donner M, Larson S, Scheffel U. DMW Japan Ltd., Nr. 8, 7 Jahrgang 1985, 5.6.
15. A prospective study of a Bayesian computer algorithm for the diagnosis of coronary artery disease. Wong D, . . . LaFrance N, et al. Accepted for publication, Am. J. Cardiol., 1985.
16. Effect of exercise hemoconcentration on thermoregulatory and circulatory responses. Fortney S, . . . LaFrance N. Accepted for publication 1985.
17. Tissue culture of human choroidal melanoma cells obtained by fine needle aspiration biopsy. Schachat A, . . . LaFrance N, Accepted for publication 1985.

Publications (non-refereed)

1. Antimyosin monoclonal antibodies. LaFrance N, Diagnostic Imaging, 1985.
2. What's new about thyroid studies? LaFrance N. Topics in Clinical Nuclear Medicine, Colby College, 1985.
3. Osteoporosis and dual photon absorptiometry. LaFrance N. Topics in Clinical Nuclear Medicine, Colby College, 1985.
4. Medical applications of monoclonal antibodies. LaFrance N. Topics in Clinical Nuclear Medicine, Colby College, 1985.
5. Newer studies in nuclear medicine: IMP and MIBG. LaFrance N. Topics in Clinical Nuclear Medicine, Colby College, 1985.

Non-refereed publications (continued)

6. Assessing myocardial damage with In¹¹¹ antimyosin, a radiolabeled monoclonal antibody. LaFrance N. Clinical Update, 1985.
7. Antimyosin monoclonal antibody. LaFrance N. Medical World News. January, 1986.

Books

1. Yearbook of Nuclear Medicine, 1983. Isopropyl iodoamphetamine. LaFrance, et al.
2. Nuclear Imaging in Oncology, 1983. Isopropyl-Iodoamphetamine (I-123) in Brain Tumors, LaFrance, et al.
3. Imaging and Nuclear Medicine Chapter in Hospital Care of Children and Youth (to be published).
4. Gastrointestinal Nuclear Medicine. LaFrance N, in Clinical Radiology of the Digestive System. Edited by D. Nolan, 1986.

INVITED PRESENTATIONS:

1. University of California Symposium in Nuclear Tomography, 1981: Nuclear Imaging using Isopropyl Iodoamphetamine.
2. JHMI Nuclear Cardiology Annual Course, Stress Testing.
3. Department of the Navy - National Naval Medical Center, Nuclear Medicine Course, Nuclear Cardiology.
4. University of Colorado Health Service Center; Presentation in SPECT and Iodoamphetamine studies.
5. Society of Nuclear Medicine. The Third High Country Nuclear Medicine Conference. Radiotagged amphetamine and SPECT Imaging, 1983.
6. Society of Nuclear Medicine. Fourth High Country Nuclear Medicine Conference. Faculty 1984.
7. Utility of planar imaging using iodoamphetamine. Wurenlingen, Switzerland, 1983.
8. Society of Nuclear Medicine. Greater New York Chapter. Brain Imaging Using Iodoamphetamine, 1983.

Invited Presentations (continued)

9. Society of Nuclear Medicine. Greater New York Chapter. Update on Iodoamphetamine, 1984.
10. Advanced Topics in Emergency Medicine. Pulmonary Embolism and Acute Cholecystitis. Faculty, 1984.
11. Development Disability VII: Neurological Correlates of Early Intervention: Implication of Neuro Imaging Techniques for the Developing CNS. 1985.
12. Society of Nuclear Medicine. High Country Nuclear Medicine Conference. Faculty and Co-Director, 1985.
13. Society of Nuclear Medicine. High Country Nuclear Medicine Conference. Planning Committee, 1986.
14. Current Topics in Nuclear Cardiology: Franklin Square Medical Staff.
15. Seminars in Nuclear Medicine. Colby College, 1985. Presentations on thyroid, monoclonal antibodies, new tracers in nuclear medicine, osteoporosis.

Moderator (National/International Meetings):

1. Labelled and unlabelled antibody in cancer diagnosis and therapy, American College of Radiology
2. Society of Nuclear Medicine Annual Meeting, 1985
3. Society of Nuclear Medicine Annual Meeting, 1986

PRESENT RESEARCH:

1. Intraperitoneal xenon for detection of mesenteric ischemia (both animal and human application).
2. Nuclear imaging using isopropyl iodoamphetamine.
3. Positron Emission Tomography and cyclotron produced isotopes (especially to brain and neurotransmitter application). Includes glucose and methionine metabolism.
4. White blood cell labeling with imaging and biodistribution application.
5. Monoclonal antibodies with emphasis on imaging application.

Present Research (continued)

6. Nuclear Stethoscope
7. NMR/monoclonal antibody correlations (pending)
8. Paramagnetic tracers in NMR (pending)
9. Lung imaging with Tc-SC aerosols

PAST RESEARCH:

1. Single photon emission tomography in Tc-99m sulfur colloid liver scanning.
2. Nuclear imaging in mesenteric ischemia.
3. Platelet labeling with imaging and biodistribution application.
4. Phase I and II drug trials for iodoamphetamine.
5. Lung imaging with Tc-DTPA aerosols

PHYSICIAN SPONSORED IND'S

1. F-18 and C-11 Deoxyglucose
2. In-111 Platelets
3. In-111 White Blood Cell
4. Tc-Sc aerosols
5. O¹⁵ (¹⁵O-H₂O and ¹⁵O-CO₂)
6. N-Isopropyl-p-Iodoamphetamine
7. C-11 Methionine



Francis Scott Key Medical Center
a Johns Hopkins Medical Institution

Irvin Joffe, M.D.
Director
Department of Radiology
Fort Howard Hospital
Fort Howard, Maryland

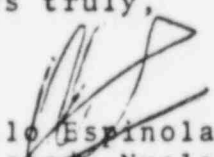
Dear Dr. Joffe,

It is a great pleasure to write this letter on behalf of Norman LaFrance, M.D.. I have known Dr. LaFrance for six years, both as Fellows in Nuclear Medicine and later as Assistant Professors at Johns Hopkins University.

Dr. LaFrance is kind, exceptionally knowledgeable in both Internal Medicine and Nuclear Medicine, he is very enthusiastic about his work and caring for his patients.

I recommend him without any reservations. I am sure he will prove to be an asset and great contributor to your department.

Yours truly,



Danilo Espinola, M.D.
Director, Nuclear Medicine

DE:ejw

THE JOHNS HOPKINS MEDICAL INSTITUTIONS
DIVISIONS OF NUCLEAR MEDICINE AND RADIATION HEALTH SCIENCES

615 NORTH WOLFE STREET
BALTIMORE, MARYLAND 21205-2179

Telephone 301; 955-2350

June 18, 1986

Dr. Joffe
Director of Radiology
Fort Howard VA Hospital
Fort Howard, Md. 21052

Dear Dr. Joffe:

This letter is in support of Norman D. LaFrance, M.D.
Dr. LaFrance is a colleague of mine at Johns Hopkins Hospital
and we have worked together for 4 years. Dr. LaFrance's compe-
tence is superior and his professional attitudes and actions
outstanding.

Dr. LaFrance has an excellent way with patients and staff alike.
I can recommend him without reservation as a consultant in
Nuclear Medicine.

Sincerely,

A. Cahid Civelek

A. Cahid Civelek, M.D.
Faculty
Division of Nuclear Medicine