



# STATE OF NEW YORK DEPARTMENT OF HEALTH

Center for Environmental Health

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January 26, 1994

US Nuclear Regulatory Commission  
Office of State Programs  
Mail Stop 3-D-23  
Washington, D.C.  
Attention: Rosetta Virgilio

Dear Ms. Virgilio:

Enclosed is a short list of research projects conducted by some New York State Department of Health radioactive materials licensees, involving the use of radioactive materials in humans for purposes other than radiopharmaceutical development. Seven licenses were reviewed for documentation of research activities.

Please note that given such short notice, the list is not a comprehensive summary of human-use research. Most broad medical licensees are conducting human-use research that is not necessarily reflected in the files, as those licenses authorize such research to be approved by the Institutional Review Board, Human Use Committees and Radiation Safety Committee within the facility. Also the available files only go back into the mid-1980's. Older files are in storage and would require more time and effort to review.

✓ Please also note that none of the enclosed research projects involves efforts to determine radiotoxicity or other effects of radiation, but rather they utilize radioactive materials in the study of a certain process unrelated to the radiation. All of the research activities involved patient or volunteer consent.

If I may be of assistance please contact this office at 518-458-6485 or:

New York State Department of Health  
Bureau of Environmental Radiation Protection  
2 University Place, Room 375  
Albany, New York 12203

Sincerely,

Christopher D. Parker  
Associate Radiological Health Specialist

Enclosure

Facility Name **Helen Hayes Hospital**

NYSDOH License # 1886 (specific)

Research Activities Intestinal absorption studies using Ca-45.  
Note: Project authorized on the license 4/1/93.

Efficacy and safety of calcitonin in prevention of steroid induced osteopenia.  
Note: Project, initiated in 1988, involved use of CT and bone densitometry.

Facility Name **University of Rochester**

NYSDOH License # 436 (broad academic and medical)

Research Activities Assessment of hepatic glucose production during insulin infusions.  
Note: H-3 labeled glucose; healthy volunteers; 1986.

Tc-99m DTPA used to assess breathing function effect of water ingestion and lung size.  
Note: Late 1980's.

Pharmacodynamic study of the direct isotropic properties of intravenous amrinone.  
Note: Use of Tc-99 to assess left ventricular function; MUGA scans.

Skin and lung absorption of mercury vapor.  
Note: Use of Hg-203

Mercury burden in liver using isotopic dilution tests.

Effects of DEHP on characteristics and survival of blood stored in CPDA-1 and CPD/Adsol.  
Note: Use of Cr-51 in volunteers.

Facility Name **North Shore University Medical Center**

NYSDOH License # 1016 (broad medical)

Research Activities All activities found were recent (1992) and involved only research and development of diagnostic and therapeutic uses of radiopharmaceuticals.

Facility Name SUNY @ Stony Brook  
NYSDOH License # 455 (broad academic and medical)  
Research Activities No documentation in available files of human use experiments.

Facility Name Albany Medical Center  
NYSDOH License # (broad medical)  
Research Activities Inspection indicated use of fluoroscopy in two research projects in 1991 and 1992, unrelated to the main purpose of the research.

Facility Name SUNY @ Buffalo  
NYSDOH License # 1049 (broad academic and medical)  
Research Activities All research activities found in available files are related to radiopharmaceutical development.

Facility Name SUNY Health Science  
NYSDOH License # 47 (broad medical)  
Research Activities Discussion of human-use research indicated in recent (1991) Radiation Safety Committee minutes, however no details to type of research.