

INSTRUCTIONS - Complete items 1 through 26 if this is an initial application or an application for renewal of a license. Use supplemental sheets where necessary. Item 26 must be completed on all applications and signed. Retain one copy. Submit original and one copy of entire application to: Director, Office of Nuclear Materials Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. Upon approval of this application, the applicant will receive a Materials License. An NRC Materials License is issued in accordance with the general requirements contained in Title 10, Code of Federal Regulations, Part 30, and the licensee is subject to Title 10, Code of Federal Regulations, Parts 19, 20 and 35 and the license fee provision of Title 10, Code of Federal Regulations, Part 170. The license fee category should be stated in Item 26 and the appropriate fee enclosed.

1.a. NAME AND MAILING ADDRESS OF APPLICANT (institution, firm, clinic, physician, etc.) INCLUDE ZIP CODE
 Parma Community General Hospital
 7007 Powers Blvd.
 Parma, Ohio 44129
 TELEPHONE NO.: AREA CODE (216) 888 1800

1.b. STREET ADDRESS(ES) AT WHICH RADIOACTIVE MATERIAL WILL BE USED (If different from 1.a.) INCLUDE ZIP CODE
 RECEIVED
 MAY 22 1986
 U.S. NUCLEAR REGULATORY COMMISSION

2. PERSON TO CONTACT REGARDING THIS APPLICATION
 David Close, Consultant
 NMA, Medical Physics Services
 TELEPHONE NO.: AREA CODE (216) 641 5799

3. THIS IS AN APPLICATION FOR: (Check appropriate item)
 a. NEW LICENSE
 b. AMENDMENT TO LICENSE NO. 34-08051-01
 c. RENEWAL OF LICENSE NO. _____

4. INDIVIDUAL USERS (Name individuals who will use or directly supervise use of radioactive material. Complete Supplements A and B for each individual.)
 See Below

5. RADIATION SAFETY OFFICER (RSO) (Name of person designated as radiation safety officer. If other than individual user, complete resume of training and experience as in Supplement A.)
 J. Fred Williams with consultation from NMA, Medical Physics Services, Cleveland, Ohio 44125

RADIOACTIVE MATERIAL LISTED IN:	ITEMS DESIRED "X"	MAXIMUM POSSESSION LIMITS (In millicuries)	ADDITIONAL ITEMS:	MARK	MAXIMUM
				ITEMS DESIRED "X"	POSSESSION LIMITS (In millicuries)
10 CFR 31.11 FOR IN VITRO STUDIES			IODINE-131 AS IODIDE FOR TREATMENT OF HYPERTHYROIDISM		
10 CFR 35.100, SCHEDULE A, GROUP I		AS NEEDED	PHOSPHORUS-32 AS SOLUBLE PHOSPHATE FOR TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA AND BONE METASTASES		
10 CFR 35.100, SCHEDULE A, GROUP II		AS NEEDED	PHOSPHORUS-32 AS COLLOIDAL CHROMIC PHOSPHATE FOR INTRACAVITARY TREATMENT OF MALIGNANT EFFUSIONS.		
10 CFR 35.100, SCHEDULE A, GROUP III			GOLD-198 AS COLLOID FOR INTRACAVITARY TREATMENT OF MALIGNANT EFFUSIONS.		
10 CFR 35.100, SCHEDULE A, GROUP IV		AS NEEDED	IODINE-131 AS IODIDE FOR TREATMENT OF THYROID CARCINOMA		
10 CFR 35.100, SCHEDULE A, GROUP V		AS NEEDED	XENON-133 AS GAS OR GAS IN SALINE FOR BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES.		
10 CFR 35.100, SCHEDULE A, GROUP VI					

6.b. RADIOACTIVE MATERIAL FOR USES NOT LISTED IN ITEM 6.a. (Sealed sources up to 3 mCi used for calibration and reference standards are authorized under Section 35.14(d), 10 CFR Part 35, and NEED NOT BE LISTED.)

ELEMENT AND MASS NUMBER	CHEMICAL AND/OR PHYSICAL FORM	MAXIMUM NUMBER OF MILLICURIES OF EACH FORM	DESCRIBE PURPOSE OF USE
The purpose of this amendment is to delete Charles M. Greenwald, M.D., as a licensed user and to name J. Fred Williams as RSO. Mr. Williams training and experience is enclosed. License Fee Information on p. 3. 8610160127 860815 REG3 LIC30 34-08051-01 PDR			

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 MAY 19 1986

INFORMATION REQUIRED FOR ITEMS 7 THROUGH 23

For Items 7 through 23, check the appropriate box(es) and submit a detailed description of all the requested information. Begin each item on a separate sheet. Identify the item number and the date of the application in the lower right corner of each page. If you indicate that an appendix to the medical licensing guide will be followed, do not submit the pages, but specify the revision number and date of the referenced guide: Regulatory Guide 10.8 , Rev. _____ Date: _____

7. MEDICAL ISOTOPES COMMITTEE		15. GENERAL RULES FOR THE SAFE USE OF RADIOACTIVE MATERIAL (Check One)	
Names and Specialties Attached; and		Appendix G Rules Followed; or	
Duties as in Appendix B; or _____ (Check One)		Equivalent Rules Attached	
Equivalent Duties Attached		16. EMERGENCY PROCEDURES (Check One)	
8. TRAINING AND EXPERIENCE		Appendix H Procedures Followed; or	
Supplements A & B Attached for Each Individual User; and		Equivalent Procedures Attached	
Supplement A Attached for RSO.		17. AREA SURVEY PROCEDURES (Check One)	
9. INSTRUMENTATION (Check One)		Appendix I Procedures Followed; or	
Appendix C Form Attached; or		Equivalent Procedures Attached	
List by Name and Model Number		18. WASTE DISPOSAL (Check One)	
10. CALIBRATION OF INSTRUMENTS		Appendix J Form Attached; or	
Appendix D Procedures Followed for Survey Instruments; or _____ (Check One)		Equivalent Information Attached	
Equivalent Procedures Attached; and		19. THERAPEUTIC USE OF RADIOPHARMACEUTICALS (Check One)	
Appendix D Procedures Followed for Dose Calibrator; or _____ (Check One)		Appendix K Procedures Followed; or	
Equivalent Procedures Attached		Equivalent Procedures Attached	
11. FACILITIES AND EQUIPMENT		20. THERAPEUTIC USE OF SEALED SOURCES	
Description and Diagram Attached		Detailed Information Attached; and	
12. PERSONNEL TRAINING PROGRAM		Appendix L Procedures Followed; or _____ (Check One)	
Description of Training Attached		Equivalent Procedures Attached	
13. PROCEDURES FOR ORDERING AND RECEIVING RADIOACTIVE MATERIAL		21. PROCEDURES AND PRECAUTIONS FOR USE OF RADIOACTIVE GASES (e.g., Xenon - 133)	
Detailed Information Attached		Detailed Information Attached	
14. PROCEDURES FOR SAFELY OPENING PACKAGES CONTAINING RADIOACTIVE MATERIALS (Check One)		22. PROCEDURES AND PRECAUTIONS FOR USE OF RADIOACTIVE MATERIAL IN ANIMALS	
Appendix F Procedures Followed; or		Detailed Information Attached	
Equivalent Procedures Attached		23. PROCEDURES AND PRECAUTIONS FOR USE OF RADIOACTIVE MATERIAL SPECIFIED IN ITEM 6.b	
		Detailed Information Attached	

24. PERSONNEL MONITORING DEVICES

TYPE <i>(Check appropriate box)</i>		SUPPLIER	EXCHANGE FREQUENCY
a. WHOLE BODY	FILM		
	TLD		
	OTHER <i>(Specify)</i>		
b. FINGER	FILM		
	TLD		
	OTHER <i>(Specify)</i>		
c. WRIST	FILM		
	TLD		
	OTHER <i>(Specify)</i>		

d. OTHER *(Specify)*

Log	May 21 TH
Remitter	
Check No.	67399
Amount	\$120
Fee Category	7C
Type of Fee	And.
Date Check Rec'd.	
Date Completed	7/23/86
By:	CP

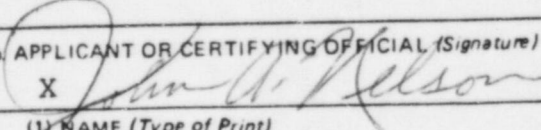
25. FOR PRIVATE PRACTICE APPLICANTS ONLY

<p>a. HOSPITAL AGREEING TO ACCEPT PATIENTS CONTAINING RADIOACTIVE MATERIAL</p> <p>NAME OF HOSPITAL _____</p> <p>MAILING ADDRESS _____</p> <p>CITY _____ STATE _____ ZIP CODE _____</p>		<p>b. ATTACH A COPY OF THE AGREEMENT LETTER SIGNED BY THE HOSPITAL ADMINISTRATOR.</p> <p>c. WHEN REQUESTING THERAPY PROCEDURES, ATTACH A COPY OF RADIATION SAFETY PRECAUTIONS TO BE TAKEN AND LIST AVAILABLE RADIATION DETECTION INSTRUMENTS.</p>
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26. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official executing this certificate on behalf of the applicant named in Item 1a certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Parts 30 and 35, and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our knowledge and belief.

<p>a. LICENSE FEE REQUIRED <i>(See Section 170.31, 10 CFR 170)</i></p>	<p>b. APPLICANT OR CERTIFYING OFFICIAL <i>(Signature)</i></p> <p>X </p>
	<p>(1) NAME <i>(Type of Print)</i></p> <p>X John A. Nelson</p>
<p>(1) LICENSE FEE CATEGORY:</p> <p align="center">7C</p>	<p>(2) TITLE</p> <p>X Administrator</p>
<p>(2) LICENSE FEE ENCLOSED: \$ Exempt</p>	<p>c. DATE</p> <p>X May 9, 1986</p>

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on NRC Form 313M. This information is maintained in a system of records designated as NRC-3 and described at 40 Federal Register 45334 (October 1, 1975).

1. **AUTHORITY** Sections 81 and 161(b) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2111 and 2201(b)).
2. **PRINCIPAL PURPOSE(S)** The information is evaluated by the NRC staff pursuant to the criteria set forth in 10 CFR Parts 30-36 to determine whether the application meets the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations, for the issuance of a radioactive material license or amendment thereof.
3. **ROUTINE USES** The information may be used: (a) to provide records to State health departments for their information and use; and (b) to provide information to Federal, State, and local health officials and other persons in the event of incident or exposure, for their information, investigation, and protection of the public health and safety. The information may also be disclosed to appropriate Federal, State, and local agencies in the event that the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, or local agency to the extent relevant and necessary for a NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you. A copy of the license issued will routinely be placed in the NRC's Public Document Room, 1717 H Street, N.W., Washington, D.C.
4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION** Disclosure of the requested information is voluntary. If the requested information is not furnished, however, the application for radioactive material license, or amendment thereof, will not be processed.
5. **SYSTEM MANAGER(S) AND ADDRESS** Director, Division of Fuel Cycle and Material Safety, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555.

TRAINING AND EXPERIENCE
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER J. FRED WILLIAMS	2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE
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3. CERTIFICATION

SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C
ARRT #098065	NUCLEAR MEDICINE	1974

4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES

FIELD OF TRAINING A	LOCATION AND DATE (S) OF TRAINING B	TYPE AND LENGTH OF TRAINING	
		LECTURE / LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION	GRANDVIEW HOSPITAL Dayton, Ohio 1971-1972	105	
b. RADIATION PROTECTION	R.S.O. COURSE N.M.A. Cleveland, Ohio March 1986	30	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	GRANDVIEW HOSPITAL Oakridge Associated University Tenn., August 1984	15 21	
d. RADIATION BIOLOGY	GRANDVIEW HOSPITAL Low-Level Radiation Waste Penn State University October 1983	20 12	
e. RADIOPHARMACEUTICAL CHEMISTRY	GRANDVIEW HOSPITAL	40	

5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
⁹⁹ Mo	1 Ci	Parma Community General Hosp.	1978-1986	Diagnostic
^{99m} Tc	1 Ci		16,000 hours	"
¹³¹ I	100 uCi	Lutheran Medical Center	June 1972-Jan '74	Diagnostic & Therapeutic
¹²³ I	400 uCi	Cleveland, Ohio	2,880 hours	
⁶⁷ Ga	5 mCi			
¹¹¹ In	1 mCi	Cuyahoga Falls Gen. Hosp.	Jan. 1972-June 1972	Diagnostic
¹⁶⁹ Yb	1 mCi	Cuyahoga Falls, Ohio	960 hours	"
²⁰¹ Tl	2 mCi			"
¹³⁷ Cs	1 mCi			Calibration

Nuclear Medicine Associates

THIS CERTIFIES THAT

FRED WILLIAMS

HAS SUCCESSFULLY COMPLETED ALL REQUIREMENTS
FOR THE

30 HOUR MEDICAL RADIATION SAFETY OFFICER COURSE

AND AS PROOF OF PROFICIENCY IS HEREBY
AWARDED THIS

Certificate of Completion

ON THIS 7TH DAY OF MARCH, 1986

Paul Early
DIRECTOR OF TRAINING



Williams, John F.



Hospital Preparation for the Management of Radiation Accidents

Sponsored by:

The E.L. Saenger Radioisotope Laboratory

The Department of Radiology

The College of Medicine

45267

In cooperation with:

The College of Nursing and Health

The University of Cincinnati Medical Center



September 29-30, 1980

CONTROL NO. 81332



The Pennsylvania State University

Continuing Education

this certifies that

JOHN F. WILLIAMS

has completed

LOW-LEVEL RADIOACTIVE WASTE SYMPOSIUM

consisting of

12 hours of instruction

2 continuing education credits by The American Board of Health Physics

1.2 continuing education units (CEU's)

Awarded

OCTOBER 27, 1983

C#6794-83A

Director of Continuing Education

OAK RIDGE ASSOCIATED UNIVERSITIES

This is to certify that

JOHN F. WILLIAMS

has completed

THE RADIOPHARMACEUTICAL INTERNAL DOSE CALCULATION TECHNIQUES COURSE

conducted by Manpower Education, Research,
and Training Division of
Oak Ridge Associated Universities
Operating under contract with the Department of Energy

22nd day of August, 1984

at Oak Ridge, Tennessee

Roger J. Cloutier

Director, Professional Training Programs

THE AMERICAN REGISTRY OF RADIOLOGIC TECHNOLOGISTS

Representative of
The American College of Radiology and
The American Society of Radiologic Technologists

HEREBY CERTIFIES THAT

John Fredrick Williams

has pursued an approved educational program in Nuclear Medicine Technology, has met certain standards and qualifications and has passed the examinations conducted under authority of this Registry, and is thus qualified as a

Registered Technologist

Nuclear Medicine Technology

and by virtue of this certificate is authorized to use the title Registered Technologist and its abbreviation R.T. (ARRT) as long as this certificate is in force as is indicated by the current date appearing on the seal hereon attached.

Loy D. Brown, M.D.
PRESIDENT

Julian C. Seamy, R.T.
SECRETARY

N-98065

1973



The Grandview Hospital Institute of Nuclear Medical Technology

Founded



1970

Be It Known That

John F. Williams

Having met the qualifications and standards prescribed, has demonstrated to the satisfaction of the faculty to be qualified as a Nuclear Medical Technologist and is hereby awarded this certificate.

Presented this 3 day of January in the year of 1973



Richard W. Hensley
Executive Director,
Grandview Hospital

J. William ...
Director,
Institute of Nuclear Technology

Richard ...
Associate Director,
Institute of Nuclear Technology

An Outline of Curriculum

The First Year

- I Basic Mathematics, 15 Hours**
1. General Review
 2. Logarithms, Exponents, and Powers
 3. Graphs
 4. Slide Rule Demonstration and Practice
 5. Calculators Demonstration and Practice
- II Basic Radiation Physics, 35 Hours**
1. Atomic and Nuclear Structure Constituents of Nuclei
 2. Stability Characteristics of Nuclei
 3. Radioactivity and Radioactive Decay, Growth and Decay Characteristics—Unit of Radioactivity, the Curie
 4. Decay Schemes of Nuclei—Use of Nuclear Decay Tables and Charts
 5. Energetics of Nuclear Reactions and Decay Phenomena
 6. Interaction of Nuclear Radiations and Matter
 7. Production of Radioisotopes
- III Basic Health Physics, 15-20 Hours**
1. Units of Radiation Exposure and Dose, Roentgen Absorbed Dose
 - a. Rad.
 - b. R. B. E.
 - c. R. E. M.
 2. Biological Effects of Ionizing Radiation
 3. Basic Principles of Radiation Protection
 - a. Distance
 - b. Shielding
 - c. Exposure Time
 4. Internal and External Radiation Hazards
 5. Special Problems
 - a. Waste Disposal
 - b. Spills
 - c. Shielding Calculations
 6. Radiation Protection Instrumentation
 - a. Dosimeters
 - b. Survey Meters

- c. Film Badges
 - d. Air Monitors
 - e. Protective Clothing
7. Permissible Exposure Limits
- IV Nucleonic Measurements and Instrumentation, 40 Hours***
1. Fundamentals of Counting Statistics
 - a. Tests for Evaluating Counting Data
 - b. Use of Control Charts and Nomographs
 2. Basic Detector Types
 - a. Geiger—Mueller Tubes
 - b. Proportional Counters
 - c. Ion Chambers
 - d. Scintillation Detectors
 - e. Semiconductor Detectors
 3. Some Fundamental Problems in Counting
 - a. Dead Time and Coincidence Losses
 - b. Backscatter and Source Self-Absorption
 - c. Geometry
 - d. Energy Dependence Factors
 4. Gamma-Ray Spectroscopy
- V Instrumentation and Measurements Fundamental to Nuclear Medicine, 30 Hours**
1. Standardization and Calibration of Radioactive Sources
 2. Basic Circuits
 - a. Linear Amplifiers
 - b. Power Supplies
 - c. Scaler
 - d. Ratemeters
 - e. Integral Discriminators
 - f. Single Channel Analyzers
 - g. Multichannel Analyzers
 - h. Recorders
 3. Collimation Techniques and Imaging Systems
 4. Application of the Above Studies to Measurement Systems
 - a. The Medical Scanner
 - b. The Scintillation Scanner

*Lecture and Laboratory Sessions

The Second Year

- I General Basic Principles, 12 Hours**
1. Do's and Don'ts in Nuclear Medical Technology
 2. Technologist and patient relationship; obtaining pertinent information
 3. Technologist and hospital personnel relationship
 4. Technologist and relationship with the attending staff
 5. Inter-departmental relationships
 6. Relationships with representatives of instrumentation firms and pharmaceutical manufacturers
- II Methodologies and Techniques in Organ Scanning and Function Studies**
1. Blood Volumes, 160 Hours
 2. Brain, 160 Hours
 - a. Scanning
 - b. Dynamic Flow Studies
 - c. Cisternography
 3. Thyroid, 160 Hours
 - a. Scanning
 - b. Thyroid Circulation Time
 - c. 131-I Uptake
 - d. P.B. 131-I Conversion Ratio
 - e. T.S.H. Study
 - f. Cytomel; Levothyroxine Depression Studies
 - g. T_1 , T_4 , and T_7 .
 4. Pulmonary System, 160 Hours
 - a. Perfusion Scanning
 - b. Ventilation Scanning
 - c. Inhalation Scanning
 5. Cardiac Studies, 40 Hours
 - a. Pericardial effusion
 6. Hepatic Studies, 40 Hours
 7. Spleen Studies, 40 Hours
 8. Pancreatic Studies, 40 Hours
 - a. Scanning
 - b. Triolein 131-1 appraisal
 - c. Oleic 131-1 appraisal
 9. Renal Studies, 80 Hours
 - a. Scanning
 - b. Hippurate 131-1 Function Studies
 - c. Dynamic Flow Studies
 10. Bone Scanning, 80 Hours

11. Placental Studies, 20 Hours
 - a. Scanning
 - b. Localization via Zoning
12. Circulation Time, 20 Hours
13. Schilling test, 8 Hours
14. RBC Survival Study, 16 Hours
Pertinent aspects of anatomy, physiology, and clinical indications will precede the introduction to each new system. Presentations will be in the form of lectures, audio/visual aids, and case presentations.

- III Radiopharmaceuticals, 40 Hours**
1. Basics in Radiopharmaceuticals
 2. Review of Current Radiopharmaceuticals

- IV Photography, 40 Hours**
1. Basics in Photography
 2. Photographic Techniques in Nuclear Medicine

- V Management, 80 Hours**
1. Organization
 - a. Personnel
 - b. Departmental Function
 - c. Daily Schedule and Scheduling
 - d. Departmental Operation
 - e. Budget
 2. Records
 - a. Government
 - b. Statistical; Daily, Monthly, Yearly
 3. Stocking of Isotopes
 4. Forms
 - a. Application for New Radionuclides
 - b. Amendment Procedure

- VI Special Student Assignments**
1. Quarterly Reports of Appraisal of Progress
 2. Reading Assignments and Reports
 3. Monthly Tests (written and oral)
 4. Attendance each year at two scientific meetings pertaining to Nuclear Medicine
 5. Student Selected Scientific Project (final six months)
 6. Student Selected Thesis (to be completed and presented at the termination of the course)

CONT. NO. 81352

The Grandview Hospital
**Institute of
Nuclear Technology**



A Division of
The Department of Nuclear Medicine
Grandview Hospital
Dayton, Ohio



20 Bethelwood Institution
405 West Grand Avenue
Dayton, Ohio 45409
Telephone (513) 228-4000

RESUME

John F. Williams
136 Adams Ave
Cuyahoga Falls
Ohio 44221

(216) 920-1380 - Home
(216) 888-1800 Ext. 2043 - Work

Education:

Grandview Hospital
Institute of Nuclear Technology
Dayton, Ohio
1970 - 1972
ARRT #C98065

Colonel White High School
Dayton, Ohio
1960 - 1964

Military:

Whiteman Air Force Base
Knobnoster, Missouri
Emergency Room Medic
1966 - 1969

Independent Duty Medic
Pitsanuloke, Thailand
1969 - 1970

Employment:

Parma Community General Hospital
7007 Powers Blvd. Parma Ohio
44129
Supervisor of Diagnostic Imaging
(Nuclear Medicine, Ultrasound, and
Computerized Axial Tomography)

Faculty member, School of Radiology
Technology, Parma Comm. Gen. Hosp.

Subjects;

- 1) Radiation Biology (26 hours)
- 2) Basic Nuclear Medicine (16 hours)
- 3) Basic Computerized Axial
Tomography (16 hours)

February 1978 to present.

RESUME

Ohio Nuclear Inc. (Technicare Corp.)
Solon, Ohio

Position;

1974 Applications Specialist

1975 Applications Manager

1976 Sales Support Specialist

1977 Sales Representative

January 1974 to February 1978

Luthern Medical Center

Cleveland, Ohio

Supervisor, Nuclear Medicine

June 1972 to January 1974

Cuyahoga Falls General Hospital

Cuyahoga Falls, Ohio

Assistant Chief Technologist

January 1972 to June 1972

Equipment Experience

Nuclear 1972 to present

Ohio Nuclear
Series 400 Gamma Camera
Series 410 Gamma Camera
Series 450 VIP Computer
Series 150 Data System
Ohio Nuclear Rectilinear
Searle HP Gamma Camera
Searle HP Gamma Camera
with 37 tube upgrade
Searle Data Store
Searle Dose Calibrator
Searle Well Counter
Searle Rectilinear
Picker Rectilinear
Radex Dose Calibrator

Ultrasound 1978 to present

Toshiba Real Time
Picker BCL B-Mode

C.A.T. 1980 to present

EMI 5005
Technicare
2060

As a working supervisor I have experience on all the equipment above. I routinely cover Ultrasound and C.A.T. whenever someone is sick, on holiday or vacation, or if the work load justifies my presence. If for some reason the person on call cannot be reached, I am the next person to be called for any of the three areas.