

August 22, 1989

Mr. Steven Courtemanche Health Physicist United States Nuclear Regulatory Commission Region I 475 Allendale Road King of Prussia, PA. 19406

> RE: NRC LICENSE 29- 12389-01 CONTROL NO. 109535

Dear Mr. Courtemanche,

I am writing this letter in response to your inspection on August 18, 1989 at the Muclear Medicine Department of Alexian Brothers Hospital.

I have enclosed copies of the calibration certificates for both the CM meter and dose calibrator that were rented from Mallinckrodt DIS and Capintec, respectively. The department will maintain copies for those records as well, in addition to future rental items, as you specified during your visit.

The health physicist from Radiation Protection Services has calculated an estimation of extremity dose for my ring badge for July which was sent to Landauer and copies of such are also enclosed.

Revisions of the disposal log form to include a space for the GM meter model used and reading in mr/hr were made as well as a revision of the standard dose for MUGA scans to read as 20-25 mCi rather than 20-30 mCi.

I was unable to locate the minutes from the Radiation Safety Committee meeting from the 2nd quarter of 1987. In addition, there was a note placed in the file regarding the problem with the meeting for the 4th quarter of 1988. There was not sufficient attendance for a quorum and thus the meeting was cancelled.

8911150046 891101 REG1 LIC30 20-12389-01 PDC I have emphasized the necessity of quarterly meetings of the Radiation Safety Committee and have been assured that they will make the effort to neet as scheduled. If a quorum is not possible, the meeting will be rescheduled for as soon as possible.

If you should require any additional information, please do not hesitate to contact me.

Thank you.

Natalie Tantleff, CNMT Nuclear Medicine Supervisor Alexian Brothers Hospital 655 East Jersey Street Flizabeth, N.J. 07206 (201) 351-9000 EXT 4230



BICRON CORPORATION

12345 Kinsman Road, Newbury, Ohio 44065 (216) 564-2251 Telex 980474

CERTIFICATE OF INSTRUMENT CALIBRATION

CUSTOMER: MALL	NCKRODT	INC.	QH	34666
Instrument Model:	surveyor 2000	Serial	#	RO31P
Probe Model:	5W6m	Serial	#	A128P

Calibration Data:

Range	Exposure Rate (mR/h)	Inst.Reading (mR/h)	Exposure Rate (mR/h)	Inst.Reading (mR/h)
X1000	1300	1300	700	720
X 100	130	130	70	72
X 10	13	13	7	6.9
X 1	1.3	1.3	.7	.7
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Calibration Source: 1Ci 137Cs

Procedures have been approved by the U.s. Nuclear Regulatory Commission, and are on file in License No. 34-13845-01.

Calibrated D	By:	Por	Compton	Date:	9-13-88



CAPINTEC INSTRUMENTS INC.

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Co-57	.442 pci	±1.9 %	set*
Cs-137	.725 mCi	±2.3 %	.739 =01
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RADIATION PROTECTION SERVICES, INC.

CONSULTANTS IN HEALTH PHYSICS

ESTIMATION OF EXTREMITY DOSE

For: Natalie Tantleff, CNMT

P.O. Box 2395

Darien, CT 06820-1295
(203) 324-7967
(201) 390-7360

FAX (201) 747-0098

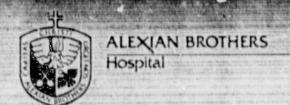
It was brought to our attention that the extremity TLD of the above named nuclear medicine technologist was reported as "stolen". This report estimates Ms. Tantleff's extremity dose for a 1-month period. To make this assumption, a review was made of Ms. Tantleff's extremity dose over the last three reporting periods which was 130 mRem; 130 mRem; and, 140 mRem.

Caseload has not significantly increased nor has there been any incident of hand or room contamination reported.

Therefore, an average was made to estimate Ms. Tantleff's extremity dose. A dose of 133.3 mRem is made. R.S. Landauer will be notified to add this value to its listing for Ms. Tantleff.

Michael L. Caprio, Jr., M.S., CHP Certified Health Physicist

August 21, 1989



August 23, 1989

Tech/Ops Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586

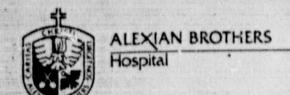
Gentlemen:

My extremity TLD badge was stolen from my possession last month and not returned with the rest of the dosimeters for the month of July. The health physicist has estimated my ring badge reading for July 1989 by reviewing my previous readings for the past three months as well as the patient work load. I have enclosed his estimated extremity dose for myself and would appreciate your adding it to my permanent radiation exposure records.

Thank you.

Motale Jartleff

Ms. Natalie Tantleff, CNMT Nuclear Medicine Supervisor Alexian Brothers Hospital 655 East Jersey Street Elizabeth, N.J. 07206



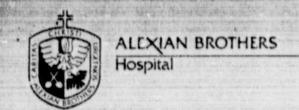
REVISED: 8/18/89"

AORTOGRAM	10-15mc1 TC99m
PERICARDIAL EFFUSION	7-15mciTC99m tagged RBC's
CARDIAC 1st PASS	15-25mci TC99m TAGGED RBC's
MECKELS DIVERTICULUM	5-10mc1 TC04
BILIARY SCAN	5-8mc1 CHOLETEC
G.I. BLEEDING SCAN	
CISTERNOGRAPHY	0.5-2mc1 IN111 DTPA INTRATHECALLY
RENOGRAM/RENAL SCAN	22-28mci TC99m DTPA or GLUCOHEPT INATE
RENAL SCAN	
GALLIUM SCAN: SOFT TISSUE	
TUMOR or ABCESS LOCALIZATION	3-8mc1 Ga67 CITRATE
BRAIN	15-25mci TC99m DTPA, GLUCOHEPT INATE or TC04
LIVER/SPLEEN SCAN	4-6mci TC99m SULFUR COLLOID
BONE SCAN	
LUNG SCAN (PERFUSION)	
LUNG SCAN (VENTILLATION)	
THYROID SCAN	5-15mci TCO4 or 100uci I131, 200uci I123
SCHILLINGS	
MUGA SCAN	20-25 mciTC99m TAGGED RBC's
TL201 PERFUSION	
MYOCARDIAL INFARCTION SCAN	
	20 5 Juci 1131; or 200uci 1123
THYROID UPTAKE	ax)
	R/DIRECTOR-RADIOLOGY
CHAIRMAN AND RSO	

655 East Jersey Street Elizabeth, New Jersey 07206 201-351-9000

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Revised 8/89



8/18/39

To whom it may concern:

The fourth quarterly meeting of the Radiation Safety Committee was not held due to the lack of a quorum. There was no possibility of rescheduling the meeting at that time and since there was not sufficient attendance, there was no meeting.

Natalie J. Tantleff, CNMT Nuclear Medicine Supervisor