Addressograph

Attach Permanent Implant Notice Here
(Patient's Chart Copy)

Attach Patient Contains Radioactive Materials Notice Here
(Door to Patient's Room Copy)

Information in this record was deleted in accordance with the Freedom of Information Act, exemptions 6
FOIA- 00/-297

CAUTION: This Patient Contains Radioactive Materials

Patient Name: Jackson, Jon
Patient Unit Number: 10-20-44
Patient Room Number: CCU 10
Date & Time Inserted: 6-21-94, 10 Am
Area Inserted: Prostate
Radioisotope: I-125
Type of Source: Seeds
Number of Sources: 43
Activity/Source (mCi): 4.44
Total Activity (mCi): 190.92
Dose Rate at 1 meter: 0.2 mR/hr
Surveyor Initials: MB
Survey Meter: Kiethley 39129
Date & Time Surveyed: 22 June 94 @ 10:30 PM

Survey all foley catheters, linen, trash and the patient's room with a Geiger counter before patient release.

IN THE EVENT OF AN EMERGENCY, CONTACT RADIATION SAFETY AT 785-2950 OR DIGITAL PAGE NUMBERS 340-3255 OR 340-3067

Copies: Chart (White); Kardex (Blue); Room (Yellow); Physics (card)

Visitor Limits:

[X] No Radiological Restrictions

[ ] Special Instructions:

Revised Documentation

Radiation Safety Surveys:

Date	Time	Area	mR/hr	meter	Initials

Draft Work in Progress (NB 24 June 94)

Calculation of Activity in Aspirated Blood. —

Container A - 3000 ml Volume - 1 ml sample

$$\frac{(261\ cpm - 90\ cpm)}{162{,}220\ cpm/uCi} = 1.055 \times 10^{-4}\ uCi/ml$$

1.055×10^{-4} uCi/ml x 3000 ml = 0.316 uCi Total Activity I-125

Container B - 2100 ml Volume - 1 ml Sample

$$\frac{(38{,}008\ cpm - 90\ cpm)}{162{,}220\ cpm/uCi} = 0.0234\ uCi/ml$$

0.0234 uCi/ml x 2100 ml = 49.1 uCi Total Activity I-125

Counting System - Ludlum

located in Nuclear Medicine hot Lab

~~Blood~~ Urine Sample 1 cc @ 9:42 PM 22 Jun 94

Urine	Bkg
(1) 160 cpm	(1) 85
(2) 151	(2) 72
(3) 173	(3) 86

Draft Work in Progress (MB) 24 June 94 — 22 June 94 — Pg 1 of 2

Wipe Test and Blood Assay Calculations

Wipe tests Performed 21 June 94 @ ~ 9:30 PM

STD - I-125 (Sim) 18204 dpm = 0.0082 uCi

		STD	BKG
Counting	1	13450	91
	2	13198	99
	3	13504	81
	$\bar{X}$	13384 cpm	90.3 cpm
	σ	133 cpm	7.4 cpm

Calibration Calc:

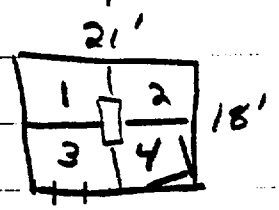
$$\frac{(13384 - 90)\text{ cpm}}{0.0082\text{ uCi}} = 1621270 \text{ cpm/uCi @ } 73.0\% \text{ eff}$$

$$= 1.37 \text{ dpm/cpm}$$

$$\text{MDA @ } 4.66\sigma = \frac{7.4 \text{ cpm} \times 4.66}{1621270 \text{ cpm/uCi}} = 4.56 \times 10^{-6} \text{ uCi}$$

$$= 10 \text{ dpm}$$

Wipe test of OR —



1. 81 cpm − 90 cpm = 0 cpm
2. 82 cpm − 90 cpm = 0 cpm
3. 85 cpm − 90 cpm = 0 cpm
4. 87 cpm − 90 cpm = 0 cpm

Results: All wipes < 200 dpm/100 cm²

Draft work in Progress (MB) - 24 June 94

22 June 94

Thyroid Bioassay Calibration -

System - Ludlum Model 22 Scaler w NaI(Tl) crystal

Standard - 0.0097 uCi Sim I-125 29 Aug 84
21,534 dpm @ 29 Aug 84

Phantom - Polyethylene phantom source @ 1/2" depth

Calibration Counts:

	SYD	STD	BKG
1	1613	2203	237
2	1289	2124	244
3	1943	2184	231
$\bar{x}$	1618	2170	237.3 cpm
σ	267	33.7	5.3 cpm

(Positioning Error)

Calibration:

$$\frac{(2170 - 237)\text{cpm}}{0.0097\ \text{uCi}} = 199{,}278\ \text{cpm/uCi @ } 9.0\%\ \text{eff}$$

$$= 11.1\ \text{dpm/cpm}$$

Bioassay Counts 22 Jun 94

Draft Work in Progress MB 24 June 94

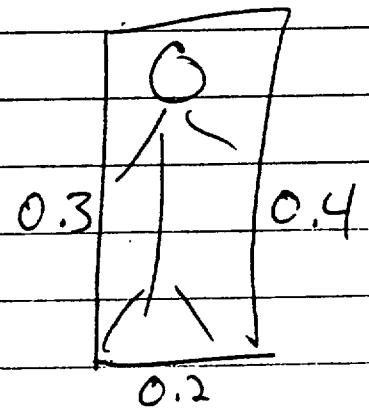
Name	Position	SS*	Badge*	Thy	Shoulder	Net CPM
				159	170	0
			00243	156	204	0
			02373	238	228	10
			00326	163	175	0
			00435	197	192	5
			00396	208	192	14
			00340	187	171	16
			00434	191	200	0
			00252	196	200	0
			00308	180	205	0
				211	189	22
			00355	196	189 158	
				221	192	

EX. 6

Draft work in Progress (MB) 24 June 94

Pt Survey - 22 Jan 94 (R) 10:20 PM

@ 1ft 1.6



CCH Nurse Training Documentation ✓ (MB) 24 June 9

Carolyn Norman CCH Nurse 12 hrs Nights

043-44-5124 00468 FBN 7-7

Trained in GM Survey + Rad Safety for I-125 Prostate implant patient care.

C A Norman RN