



302 Kensington  
Flint, Michigan 48502

Phone 313 762 8000

St. Joseph Hospital

May 20, 1985

Mr. Don Sreniawski, Chief  
Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL

Dear Mr. Sreniawski,

This is to advise you that under no circumstances will St. Joseph Hospital use the 165 millicurie Cesium 137 calibration source, Model 77302, until such time as we have obtained formal permission from your office to do so.

Yours truly,

S. Craig Miller  
Vice President

8508230233 850820  
REG3 LIC30  
21-01103-04 PDR

# Medical Physics Consultants, Inc.

3200 West Liberty, Suite F1  
Ann Arbor, Michigan 48103  
(313) 662-3197

## CERTIFICATE OF INSTRUMENT CALIBRATION

For: St. Joseph Hospital-Flint

Instrument:

Manufacturer- Victoreen  
Type- G M Survey Meter  
Model Number- 498  
Serial Number-686M

	Nuclide	Exposure Rate at Specified Distance	Calibration Accuracy
Calibration Source:	Cs-137	46.5 mR/h at 1 m	+/- 3% NBS

### Calibration Data:

Scale	Exposure rate (mR/h)	Instrument reading (mR/h)	Exposure rate (mR/h)	Instrument reading (mR/h)
1	0.30	0.30	0.75	0.70
10	3.0	2.8	7.5	7.0
100	30	28	75	66
1 R/h	DO NOT USE			

WITH  
CORRECTION  
FACTOR  
WITHIN  $\pm 10\%$

Comments: Do not use the 1 R/h scale. It could not be calibrated. Use a correction factor of 1.1 on scale 100. All other instrument readings are within +/- 10%. Drift check OK.

Calibrated by:

Laura N. Sipila  
Laura N. Sipila

Date: 06/04/85

# Medical Physics Consultants, Inc.

3200 West Liberty, Suite F1  
Ann Arbor, Michigan 48103  
(313) 662-3197

## CERTIFICATE OF INSTRUMENT CALIBRATION

For: St. Joseph Hospital - Flint

Instrument:

Manufacturer- Bicron  
Type- G M Survey Meter  
Model Number- surveyor AHS  
Serial Number- A173A

	Nuclide	Exposure Rate at Specified Distance	Calibration Accuracy
Calibration Source:	Cs-137	46.5 mR/h at 1 m	+/- 3% NBS

Calibration Data:

Scale	Exposure rate (mR/h)	Instrument reading (mR/h)	Exposure rate (mR/h)	Instrument reading (mR/h)
X 1	0.12	0.12	0.40	0.40
X 10	1.0	1.1	4.0	3.7
X 100	10	11	40	40

Comments: All instrument readings are within +/- 10%.  
Drift check OK.

Calibrated by: Laura N. Sipila  
Laura N. Sipila

Date: 06/04/85

Jeffrey T. Colvin, M.S.  
Radiological Physicist, ABR  
1303 Horman Ct.  
Ann Arbor, Michigan 48104  
5/19/85

Judy Blight  
Nuclear Medicine  
St. Joseph Hospital  
301 Kensington  
Flint, Michigan 48502

Dear Judy:

This is a proposal for providing medical physics services to the Radiation Therapy Department.

The bi-weekly output calibration and monthly complete calibration of the Clinac 4 and the monthly output calibration of the Stabilipan will be provided.

The fee for the above is:

Bi-weekly output calibration of Clinac 4	\$250.00/calibration
Monthly complete calibration of Clinac 4	\$500.00/calibration
Monthly output calibration of Stabilipan	\$250.00/calibration

The brachytherapy implants and general treatment planning will be provided.

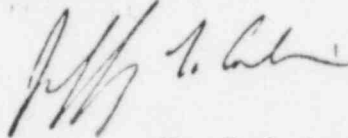
The fee for the above is:

Brachytherapy implants which includes the calculation of dose from AP and lateral films of the implant and loading used	\$100.00/plan
General treatment planning using patient data provided by you	\$100.00/plan

I would also recommend that the coverage of Nuclear Medicine and Diagnostic Radiology be maintained while a full time physicist is found. Medical Physics Consultants can provide these services. They are presently retained by Hurley Hospital in Flint for these services. By having Medical Physics Consultants cover Diagnostic Radiology and Nuclear Medicine, Hurley can have their full time medical physicist spend the majority of his time supporting Radiation Therapy. If you are interested in this type of coverage, please contact me for further details.

If you have any questions or comments, please call me at 572-3597. Thank you.

Sincerely,



Jeffrey T. Colvin, M.S.  
Radiological Physicist, ABR



St. Joseph Hospital

May 22, 1985

Jeffrey T. Colvin, M. S.  
Radiological Physicist, ABR  
1303 Horman Court  
Ann Arbor, Michigan 48104

Dear Mr. Colvin;

The Radiology Department of St. Joseph Hospital will accept your proposal to provide medical physics services for the Radiation Therapy section. The frequency of calibrations and output checks will be provided according to the schedule outlined in your proposal. The brachytherapy implants and general treatment planning will be provided on an as-needed basis.

Please commence your services upon receipt of this letter of acceptance. Additionally, as recommended in your letter, St. Joseph Hospital would like to receive a proposal for medical physics services to cover the Diagnostic X-Ray and Nuclear Medicine Sections. Thank you for your time and attention to this matter.

Sincerely,

Stephen M. Doerner  
Administrative Director  
Department of Radiology