

Feb. 3. 2011

3:55PM

MIDWEST GAMMA KNIFE

No. 3294

P. 1

# Research Medical Center™

*Your HCA Midwest Hospital*

3 February 2011

U. S. Nuclear Regulatory Commission  
Region III  
Materials Licensing Section  
2443 Warrensville Road, Suite 210  
Lisle, Illinois 60532-4352

Re: Addendum to application for renewal of license number 24-18625-01

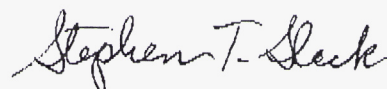
Varian has provided us with the amount of depleted uranium in a Clinac 4, which we did not have at the time our application was submitted. Their information sheet is attached.

Total weight of uranium-titanium alloy	271.5 pounds
	123.4 kilograms

Activity	44.4 mCi
----------	----------

Should you need further information, please feel to contact me at (816) 276-4449.

Sincerely,



Stephen T. Slack, Ph. D.  
Radiation Safety Officer

attachment

Depleted Uranium Components  
Clinac 4, 4S, 6X

A.	Clinac 4, 4S and 6X	No. of Parts	(Pounds)	(Pounds)
			Unit Weight	Total Weight
a.	<u>Part Containing Uranium</u>			
	Primary Collimator	1	68	68
	Upper Jaw	2	31	62
	Lower Jaw	2	53	106
	Face Plate Shield	2	8.5	17
	Gun Shield	1	18.5	18.5
	Gun Shield Disks	-	-	-
	Total Pounds			271.5

B. Characteristics:

- Element and Mass Number: U-238
- Physical Form: Metal Alloy U-0.75 titanium
- Specific Activity:  $3.6 \times 10^{-7}$  ci/gm
- Purpose of Use: Shielding