

 **Research** MEDICAL CENTER  
HCA *Midwest* HEALTH SYSTEM\*

17 December 2015

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

Re: Addition of a sealed source – **Expedited consideration requested**

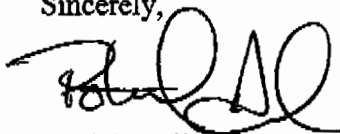
Research Medical Center, license number 24-18625-01, would like to amend this license to add a new sealed source for use under 10 CFR 35.400, manual brachytherapy.

Changes are taking place in the marketplace for brachytherapy sources with new sources becoming available and old sources, discontinued. Therefore, we wish to add to item 6. D of our license Theragenics Corporation Model AgX100, an Iodine 125 sealed source, Sealed Source and Device Registry Number NR-0645-S-102-S. The overall limit for sealed sources under 6.D. can remain the same. All of our existing radiation safety policies and procedures will apply to the new model sources.

We are requesting expedited consideration because one of our existing source models is due to be discontinued in the near future and we use I-125 sealed sources regularly in the treatment of prostate cancer patients. (We are not at this time deleting a model because the manufacturer is not clear on the exact date that the change will take place.)

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

Sincerely,



Patrick Avila  
Vice President for Operations



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

RECEIVED DEC 17 2015

Research Medical Center

2316 East Meyer Boulevard

Kansas City, MO 64132

Telephone # 816-276-4449

Fax # 816-276-3478

To Materials Licensing From Stephen T. Slack, Ph. D., RSO

Company NRC Regum III Date 12/12/15

Fax Number (630) 515-1078 Total number of pages including cover sheet 2

Phone Number \_\_\_\_\_

RE License Amendment request

Notes/Comments