



ALEXIAN BROTHERS
Medical Center

April 25, 1985

U.S. Nuclear Regulatory Commission
Materials Licensing
799 Roosevelt Road
Glen Ellyn, IL 60137

RE: UNSRC #12-12979-01

Dear Sir:

Alexian Brothers Medical Center would like to amend its license to allow it to perform I 131 Therapy with liquid physical form, as well as the capsular form, for which it is already licensed.

Briefly, the above material will be supplied by an approved commercial radiopharmacy in liquid form in an evacuated bottle. A needle will be inserted through the rubber stopper in the jar, a straw attached to it, after which the patient will suck the material up through the straw. The patient will be instructed not to exhale during ingestion. The technologist administering the dose will wear gloves when handling all materials. Because the iodine is never open to the air, we feel that it is unnecessary for our technologists to undergo regularly scheduled thyroid scans as a bioassay. However, we confirm that in the event of an accidental contamination or release of iodine into the air, a thyroid scan will be performed. Where the study shows an uptake of .12 uCi, investigation and action will be taken. Over 0.5 uCi, the technologist will be referred to a physician for possible therapy.

I thank you in advance for your cooperation in this matter. Your prompt response will be appreciated.

Applicant	May 17, 1985
Check No.	38826
Amount	\$270
Type of Fee	7C and
Date Check Rec'd	5/15/85
Received By	[Signature]

Sincerely,

Mehdi Behinfar, M.D.
Radiation Safety Officer

MB/md

encl. \$270 amendment fee

8506110667 850522
REG3 LIC30
12-12979-01 PDR

RECEIVED
MAY 09 1985
REGION III

MAY 9 1985