

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License number

13-12914-01

Docket or Reference number

030-01666

Amendment No. 56

Our Lady of Mercy Hospital  
U. S. Highway #30  
Dyer, Indiana 46311

In accordance with letter dated June 13, 1985, License Number 13-12914-01 is amended as follows:

Items 6., 7., 8., and 9. are amended to add:

6. Byproduct, source,  
and/or special nuclear  
material

7. Chemical and/or  
physical form

8. Maximum amount that  
licensee may possess  
at any one time  
under this license

H. Iodine-125

H. Sealed sources  
(AECL Model Nos.  
C235, C324 in C-236  
source holder or  
Amersham Model IMC.P2  
in source holder

H. 2 sources  
not to exceed  
200 millicuries  
each

I. Gadolinium-153

I. Sealed sources  
(Lunar Radiation  
Corp. Model GD series)

I. 2 sources  
not to exceed  
1.5 curies each

9. Authorized Use

H. One source to be used in a Lunar Radiation Corp. Model SP2 Forearm Scanner for analysis of human bone mineral content. One source to be stored in its shipping container for source replacement purposes.

I. One source to be used in a Lunar Radiation Corp. Model DP3 Spine Scanner for analysis of bone mineral content in humans. One source to be stored in its shipping container for source replacement purposes.

Conditions 12. and 18. are amended to read:

12. Licensed material listed in Item 6 above is authorized for use by, or under the supervision of, the following individual(s) for the materials and uses indicated:

Melvin Hirsch, M.D.

Groups I, II, III, IV and V  
Xenon-133  
in vitro studies  
in mineral analyzers

Suk Soon Lee, M.D.

Groups I, II and III  
Xenon-133

Byung Il Hyun, M.D.

Groups I, II, III and IV  
Iodine-131 for treatment of thyroid  
cancer  
In vitro studies

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13-12914-04 PDR

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Charles Frahm, M.D.

Groups II and III, limited to  
studies of cardiac imaging and  
function

Robert Litchfield, D.O.

Groups II and III, limited to  
cardiac imaging and dysfunction  
studies

Conrado Castor, M.D.

Groups II and III, limited to  
studies of cardiac imaging and  
dysfunction

18. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated November 30, 1983; letters dated June 28, 1982, January 20, 1984, and February 8, 1985, June 13, 1985 and September 9, 1985; and ALARA Program submitted September 25, 1980. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

Condition 19 is added:

19. Servicing and maintenance of the bone mineral analyzers involving the source holder and/or shutter mechanism shall be performed by the manufacturer or by other persons specifically authorized by the Commission to perform such services.

For the U.S. Nuclear Regulatory Commission

OCT 1 1985

Date \_\_\_\_\_

Original Signed  
By Evelyn R. Matson  
Materials Licensing Section, Region III

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