NRC FORM 374 U.S. NUCLEAR REGULAT	TORY COMMISSION PAGE1_OF _4_PAGES Amendment No. 75							
MATERIALS								
Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.								
Licensee	In accordance with letter dated							
Labeland Modical Contar St. Jaconh	December 4, 2006,							
1. Lakeland Medical Center, St. Joseph	3. License number 21-04177-01 is amended							
2. 1234 Napier Avenue	<ul><li>in its entirety to read as follows:</li><li>4. Expiration date February 28, 2015</li></ul>							
St. Joseph, MI 49085	4. Expiration date February 28, 2015 5. Docket No. 030-02049							
	Reference No.							
6. Byproduct, source, and/or special 7. Chemical and/or ph nuclear material	expected form 8. Maximum amount that licensee may possess at any one time under this license $4$							
A. Any byproduct material permitted by 10 CFR 35.100	A. As needed							
B. Any byproduct materiat Any permitted by 10 CFR 35.200	BL As needed							
C. Any byproduct material permitted by 10 CFR35.300	C. As needed, not to exceed 1							
D. Any byproduct material permitted by 10 CFR 35.400 6505 and CPCU Ju Scientific MED 1 Internation 01 Series)	D. Not to exceed 165 millicuries for cesium-137, not to exceed 1 curie for iodine- 125,not to exceed 100 millicuires for iridium-192							
E. Gadolinium-153 E. Seared star American S Model 3601	cientific ,Inc. millicuries each							
9. Authorized Use:								
A. Any uptake, dilution and excretion study permit	tted by 10 CFR 35.100.							
B. Any imaging and localization study permitted b	y 10 CFR 35.200.							
C. Any diagnostic study or therapy procedure perr	mitted by 10 CFR 35.300.							
D. Any manual brachytherapy procedure permitte	ed by 10 CFR 35.400.							

NRO		M 374A U.S. NUCLEAR REGULATORY C	OMMISSION	PAGE 2 of 4 PAGES						
				License Number 21-04177-01						
		MATERIALS LICENSE SUPPLEMENTARY SHEET		Docket or Reference Number 030-02049						
			F	Amendment No. 75						
	Ε.	Two sources to be used in Adac Laboratories Transmission Line Source Housing VANTAGE device for medical radiography in humans. Two sources in shipping containers for replacement of the sources.								
		CONDITIONS								
10.	Α.	Licensed material shall be used only at the licensee's facilities located at Lakeland Medical Center - St. Joseph, 1234 Napier Avenue, St. Joseph, Michigan.								
	Β.	Licensed material listed in subitems 6.A., 6.B., 6.C., 6.D. (limited to iodine-125) and 6.E. may be used at Lakeland Medical Center - Niles, 31 North Saint Joseph Avenue, Niles, Michigan								
	C.	Licensed material listed in subitems 6.A. and 6.B. may be used at temporary job sites of the license anywhere in the United States were the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of license comaterial.								
11.	11. Radiation Safety Officer for this license is David E. Sieffert, M.S.									
12.	Lice	nsed material is only authorized for use by,	or under th	he supervision of:						
	Α.									
	Β.	The following individuals are as the dustrator medicateses:								
		Authorized Users		and use 3						
	·	William F. Leapey, M.	or the to	100, 5200, 35,300 (for iodine-131, oral rec sodium iodide-131 in quantities less than demillicuries) and gadolinium-153 in device for medical radiography.						
		Roman Hyszczak, M.D.		5.100, 35.200 and gadolinium-153 in VANTAGE medical radiography.						
		•		i.100, 35.200, 35.300 and gadolinium-153 in device for medical radiography.						
				.100, 35.200, 35.300 and gadolinium-153 in device for medical radiography.						
,				.100, 35.200 and gadolinium-153 in VANTAGE medical radiography.						
				.100, 35.200 and gadolinium-153 in VANTAGE medical radiography.						
		Brian T. Eller, M.D.	10 CFR 35.	.100 and 35.200.						

	M 374A U.S. NUCLEAR REGULATOR	Y COMMISSION	PAGE 3 of 4 PAGES						
			License Number 21-04177-01						
	MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-02049							
		Amendment No. 75							
	Srinivasan Dhatreecharan, M.D.	10 CFR 35	.100 and 35.200.						
	Peter Lai, M.D.	10 CFR 35	.300 and 35.400.						
	Jose Cassini Pacheco, M.D.	10 CFR 35	.100 and 35.200.						
	Denis L. Gibbs, D.O.	10 CFR 35	.100 and 35.200.						
	Mark Ottmar, M.D.	10 CFR 35	.100 and 35.200.						
	Thomas K. Pow, M.D.	10 CFR 35	100 and 35.200.						
	Ogubay Mesmer, M.D. EAR	R E G 10 CFR 35	400/and 35.200						
13. For	$\mathcal{O}^{\mathcal{V}}$								
А. В.	<ul> <li>13. For sealed sources not associated with 10 CFR Part 35 use, the following conditions apply:</li> <li>A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the contricate of registration is the by the U.S. Nuclear Regulatory Commission under 10 CFR 12 10 or under aquivalue regulations of an Agreement State.</li> </ul>								
D.	within the intervals specified in the absence of a certificate part of a certificate par	SELECT DURING	urce// ceived from another person shall not ceiver. の						
C.	Sealed sources need not be tester if and/or gamma-emitting material.		more than 100 microcuries of beta-						
D.	D. Sealed sources need not be tested if they are in stange and are not being used; however, when they are removed from storage for use of transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.								
E.	E. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.								

										-		
NR	CFOR	M 374A		U.S. NUCLE	AR REGULATO	RY COMMISSION		PAGE	4	of	4 F	PAGES
							License Number 21-04177-01					
			MATE		ENSE		Docket or Reference Number					
	SUPPLEMENTARY SHEET				SHEET		030-02049					
							Amendment N	No. 75				
			<u> </u>	·····			1					
	F.	shall be	perform	ed by the	licensee o	r by other pe	g leak test sam rsons specific ement State to	ally license	d by	the	•	is,
14.	14. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license.											
15.						al in accordar ve Material."	ce with the prov	visions of 10	CFR	Part	71,	
16.	licer	ddition to f rsed mate ommissior	rial to qu	antities be	elow the mil	tion 8, the lice Roman linait G	ensee shall furth begified in 10 CF	er restrict th FR 30.35(d)	e pos for es	sessi stablis	ion of shing	f
17.		led source ne license			sed materia	l shall not be	opened or segre	ces removed ງ	from	n sour	ce ho	olders
18.	acco any be s licer The and	ordance w enclosure ubmitted i	ith the s is, listed in accord lity to ma Regulato	tatements, Delow. Th Mance with Re change M Comine	hepresent nis icense the results	tions, and pri ondition appli ion/1Arditio		nc in the do pocedures e condition d	that loes i in 10 s, rep	ents, are re not lin ) CFF preser	inclu equire	ding ed to e 26. ns,
	Α.	Applicatio	on dated	Decembe	r 26, 2004;			-				
	Β.	Letter dat	ted Octo	ber 12, 20	iog. * ;	+ * *	* *					
						FOR THE	U.S. NUCLEAF	R REGULAT	ORY	СОМ	MISS	SION
Dat	e	JAN 1	2007				R. Mullauer, M. als Licensing Br					