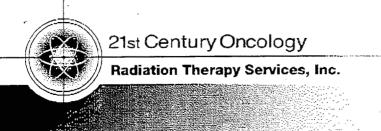
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December 1<sup>st</sup>, 2006

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Mrs. Sandy Gabriel Senior Health Physicist U.S. Nuclear Regulatory Commission, Region I 475 Allendale Road King of Prussia, PA 19406-1415

RE: Mail Control No.: 139593 Radioactive Material License # 09-31141-01

Dear Mrs. Gabriel:

In response to your email dated November 09, 2006, requesting more information regarding the amendment to our referenced License, please let me inform you the following:

- 1. At the present time we would like to include Dr. Rafael Yankelevich as an Authorized Medical Physicist. Please find enclosed copy of NRC License # 37-01421 and a Letter from Geissenger Health System granting Dr. Yankelevich the status of Authorized Medical Physicist for HDR Brachytherapy.
- Please find enclosed a letter form Dr. Constantine A. Mantz in which is described the clinical cases performed by Dr. Youssef under his supervision. Find also enclosed a copy of the outline of the Nucletron training performed by Dr. Youssef, and a copy of State of Florida Radioactive Materials License in which Dr. Mantz is listed as an Authorized User.

Should you have any questions or require more information, please feel free to contact me at 239-768-7377.

Sincerely.

Daniel H. Galmarini Director of Physics and RSO

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(7-9					S LICENSE			Amen	dment	No.	46	
Fee by ma per	constant Sector 183 of the Atomic Energy Act of 1954 deral Regulations, Chapter I, Parts 30, 31 the licensee, a license is hereby issued au iterial designated below; to use such mat rons authorized to receive it in accordance ecified in Section 183 of the Atomic En- iclear Regulatory Commission now or he	, 32, 33, 34, whorizing the terial for the terial the re ergy Act of	35, 36, 39 e licensee purpose( ogulations 1954, as a	), 40, an to recei s) and a of the a amende	d 70, and in relia ve, acquire, poss- it the place(s) de opplicable Part(s) d, and is subject	ance or sess, ar signat ). This 1 to all	n stateme nd traiisfe ed below license sl applicat	nts and i ir byproc i; to deli hall be d	represen duct, sou iver or ti leemed ti	rce, ar rce, ar ansfer o cont	s heretof nd specia r such m ain the c	fore mad al nuclea laterial t conditior
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<ul> <li>MATERIALS LICENSE SUPLEMENTARY SHEET</li> <li>CORRECTED COPY</li> <li>CORRECTED COPY</li> <li>applicable Food and Drug Administration (FDA) requirements. Research and development as defined in 10 CFR 30.4, including instrument calibration and student instruction.</li> <li>For use in an ACL Cammacol 1000 Model A irradiator for the irradiation of material except explosives, flammables, or corrosives.</li> <li>For use in an ACL Cammacol 1000 Model A irradiator for the irradiation of material source activity more exceed 10 curies at the time of installation. One source in its shipping container for source replacement.</li> <li>For use in alwelton Corporation MicroSelectron HDR remote afterloading brachytherapy unit for intersuitial, intraluminal and intracavitary radiotherapy in humans. The source activity more exceed 10 curies at the time of installation. One source in its shipping container for source replacement.</li> <li>A of the curies of the curies of the supervision of, individuals designated in withing by hexed only at the licensee's modilities located at 100 North Academy Avenue, Danvilley Pennsylvania and 1000 East Moorpain Drive, Wilkes-Barre, Pennsylvania.</li> <li>A Licensed material may be based by, or under the supervision of, individuals designated in withing by the Radiation Safety Dimittee, Hildred Fleetwood, Ph.D. Charperson.</li> <li>C. Physicians, definite, buy politic for the licensee's facial in O FR 35, Subpart J and shall be designated in Mining of the licensee's facial in Safety Committee.</li> <li>D. Individuals designated to act as medical physhists for the high dose rate remote afterloading unit of solid mest for subred to the licensee's landition Safety Committee.</li> <li>Netwithstanding the requirements of 10 CFR 35.49(a) and (b), 35.100, 35.200, 35.300, 35.400 and 35.500 the licensee may use for any medical use any byproduct material for madical use in accordance with the prescriptive and performance criteria in the other sect</li></ul>				PAGE OF PAGES
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<ol> <li>Licensed material may be beed only at the licensee's modifies located at 100 North Academy Avenue, Danville, Pennsylvania and 1000 East Montain Drive, Wilkes-Barre, Pennsylvania.</li> <li>A. Licensed material shall, be used by, or under the supervision of, individuals designated in witting by the Radiation Safety Committee, Mildred Fleetwood, Ph.D. Chairperson.</li> <li>B. The use of licensed material on or on humans hall be by a physician, dentist, or podiatrist as defined in 10 the 35.2.</li> <li>C. Physicians, defisits, br podiatristee destinated to use licensed material in or on humans shall meet the training of the destinated to use licensed material in or on humans shall meet the training of the license's Radiation Safety Committee.</li> <li>D. Individuals designated to act as medical physicists for the high dose rate remote afterloading unit shall meet the training criteria specified in 10 CFR 35.961 and shall be designated in writing by the licensee's Radiation Safety Committee.</li> <li>E. The Radiation Safety Officensfor this licensee's Radiation Safety Committee.</li> <li>E. The Radiation Safety Officensfor this licensee's Radiation Safety Committee.</li> <li>I. Notwithstanding the requirements of 10 CFR 35.400 and 35.500 the licensee may use for any medical use any byproduct material or reagent kit. The licensee shall posses and use byproduct material for medical use in accordance with the prescriptive and performance criteria in the other sections of 10 CFR 35. This does not relieve the licensee from complying with applicable U.S. Food and Drug Administration (FDA) and other Federal and State requirements.</li> <li>The licensee shall conduct a physical inventory every three months to account for all sealed sources and devices containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months for all other sealed sources and devices.</li> <li>A. Sealed sources and devices by the licensee.</li> </ol>	<b>1</b>		C -CONDITIONS C	3//,
<ul> <li>Academy Avenue, Danville) Pennsylvania and 1000 East Modulain Drive, Wilkes-Barre, Pennsylvania.</li> <li>A. Licensed material Shall, be used by, or under the Supervision of, individuals designated in withing as the Radiation Safety Committee, Mildred Fleetwood, Ph.D. Chairperson.</li> <li>B. The use of licensed material on or on human thall be by a physician, dentist, or podiatrist as defined in 10 the 35.2.</li> <li>C. Physicians, dentists, but podiate is the designated to be a physician, dentist, or podiatrist as defined in a podiate is the state of the set of the</li></ul>			1	
<ul> <li>podiatrist as defined in 10 FPR 35.2.</li> <li>C. Physicians, defists, or podiatrists designated to use licensed material in or on humans shall meet the training eriterial established in 10 GFR 35, Subpart J and shall be designated in writing by the licensee's Radiation Safety Committee.</li> <li>D. Individuals designated to act as medical physicits for the high dose rate remote afterloading unit shall meet the training criteria specified in 10 CFR 35.961 and shall be designated in writing by the licensee's Radiation Safety Committee.</li> <li>E. The Radiation Safety Officensfor this licensee afterload use any byproduct material or reagent kit. The licensee shall posses and use byproduct material for medical use in accordance with the prescriptive and performance criteria in the other sections of 10 CFR 35. This does not relieve the licensee from complying with applicable U.S. Food and Drug Administration (FDA) and other Federal and State requirements.</li> <li>13. The licensee shall conduct a physical inventory every three months to account for all sealed sources and devices containing licensed material shall not be opened or sources removed from source holders by the licensee.</li> <li>14. Sealed sources and devices.</li> <li>15. A. Sealed sources and detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.</li> </ul>		1	Academy Avenue, Danville, Pennsylvania and 100	nsee's Bacilities located at 100 North O East Mountain Drive, Wilkes-Barre,
<ul> <li>podiatrist as defined in 10 FPC 35.2.</li> <li>C. Physicians, defists, or podiatrists designated to use licensed material in or on humans shall meet the training of the istablished in 10 GFR 35, Subpart J and shall be designated in uniting bother is established in 10 GFR 35, Subpart J and shall be designated in uniting bother is established in 10 GFR 35, 961 and afterloading unit shall meet the training criteria specified in 10 CFR 35.961 and shall be designated in uniting by the licensee's Radiation Safety Committee.</li> <li>E. The Radiation Safety Officeneitor, this licensee's Radiation Safety Committee.</li> <li>I. Notwithstanding the requirements of 10 CFR 35.49(a) and (b), 35.100, 35.200, 35.300, 35.400 and 35.500 the licensee shall possess and use byproduct material or reagent kit. The licensee shall possess and use byproduct material for medical use in accordance with the prescriptive and performance criteria in the other sections of 10 CFR 35. This does not relieve the licensee from complying with applicable U.S. Food and Drug Administration (FDA) and other Federal and State requirements.</li> <li>13. The licensee shall conduct a physical inventory every three months to account for all sealed sources and devices containing licensed material shall not be opened or sources removed from source holders by the licensee.</li> <li>14. Sealed sources and devices.</li> <li>15. A. Sealed sources and detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.</li> <li>15. A. Sealed sources and detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.</li> </ul>		11.	designated in writing by the Radiation Safe	r the supervision of, individuals
<ul> <li>I. The Radiation Safety Officerifor, this licenseries Catherine M. Anderko.</li> <li>I. Notwithstanding the requirements of 10 CFR 35.49(a) and (b), 35.100, 35.200, 35.300, 35.400 and 35.500 the licensee may use for any medical use any byproduct material or reagent kit. The licensee shall possess and use byproduct material for medical use in accordance with the prescriptive and performance criteria in the other sections of 10 CFR 35. This does not relieve the licensee from complying with applicable U.S. Food and Drug Administration (FDA) and other Federal and State requirements.</li> <li>I. The licensee shall conduct a physical inventory every three months to account for all sealed sources and devices containing licensed material received and possessed pursuant to 10 CFR 35.59, 35.400 and 35.500 and every six months for all other sealed sources and devices.</li> <li>I4. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.</li> <li>I5. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to</li> </ul>		) ;	podiatrist as defined in 10 CFR 35.2.	
<ul> <li>I. The Radiation Safety Officentify by the ficenset's Catherine M. Anderko.</li> <li>I. Notwithstanding the requirements of 10 CFR 35.49(a) and (b), 35.100, 35.200, 35.300, 35.400 and 35.500 the licensee may use for any medical use any byproduct material or reagent kit. The licensee shall possess and use byproduct material for medical use in accordance with the prescriptive and performance criteria in the other sections of 10 CFR 35. This does not relieve the licensee from complying with applicable U.S. Food and Drug Administration (FDA) and other Federal and State requirements.</li> <li>I. The licensee shall conduct a physical inventory every three months to account for all sealed sources and devices containing licensed material received and possessed pursuant to 10 CFR 35.59, 35.400 and 35.500 and every six months for all other sealed sources and devices.</li> <li>I. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.</li> <li>I. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to</li> </ul>			C. Physicians, dentists, on podiatrists design humans shall meet the training or idential est shall be designated in writing by the liter	ated to use licensed material in or on ablished in 10 GFR 35, Subpart J and see servadiation Safety Committee.
	1	)	afterloading unit shall meet the training c	ritéria specified in 10 CFR 35.961 and see's Radiation Safety Committee.
	577.0		E. The Radiation Safety Officent for this licen	segis Catherine M. Anderko.
	Manananananananan	12.	Notwithstanding the requirements of 10 CFR 35. 35.400 and 35.500 the licensee may use for any reagent kit. The licensee shall possess and us in accordance with the prescriptive and perform of 10 CFR 35. This does not relieve the licen	49(a) and (b), 35.100, 35.200, 35.300, medical use any byproduct material or se byproduct material for medical use mance criteria in the other sections see from complying with applicable
	OBOROBORIADIS	13.	all sealed sources and devices containing lice pursuant to 10 CFR 35.59, 35.400 and 35.500 and	y every three months to account for nsed material received and possessed d every six months for all other
	ECHOEL -	14. }		censed material shall not be opened or ensee.
		15.	for leakage and/or contamination at interva	g licensed material shall be tested Is not to exceed six months or at such tificate of registration referred to
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(5-8	Form 37	4A U.S. NUCLEAR REGULATORY COMMISSION	PAGE OF PAGE
6 - NH( (5-8	a j		License number
		MATERIALS LICENSE	37-01421-01
9		SUPPLEMENTARY SHEET	Docket or Reference number 030-02984<37-19448-01 37-27998-01
		CORRECTED COPY	Amendment No. 46
		in 10 CFR 32.210, not to exceed three years.	
		Notwithstanding Paragraph A of this Condition alpha particles shall be tested for leakage a to exceed three months.	n, sealed sources designed to emit and/or contamination at intervals not
		In the absence of a certificate from a transf been made within six months prior to the tran cell received from another person shall not h	isfer, a sealed source or detector
	D. 1	Each sealed source fabricated by the Digensee construction defects, leakage and contaminat a sealed source.	e shall be inspected and tested for ion prior to any use or transfer as
	Έ. 3	Sealed sources and deflector cells need not be	e leak tested if:
	(	(i) they contain only hydrogen-3; or	The second se
	ł	(ii) they contain only a radioactive gas; or	W to
	ĺ	(iii) the half-life of the sptope is 30 days	friless; or
1	ť	(iv) they contain not more than 100 microcut material or not more than 00 microcut	sof beta and/or gamma emitting
	(	(v) they are not designed to entry a mapping being used. However, when they are the transfer to another person, and have no leak test interval, they shall be test source or detector cell shall be stored without being tested for leakage and/or	ticles, are in storage, and are not by from storage for use or theen tested within the required thefore use or transfer. No sealed for a period of more than 10 years
16.	r C t r	The test shall be capable of detecting the pro- radioactive material on the test sample. Alf 0.005 microcurie or more of removable contami the U.S. Nuclear Regulatory Commission and the removed immediately from service and decontami accordance with Commission regulations. The	The test reveals the presence of nation, a report shall be filed with e source or detector cell shall be inated, repaired, or disposed of in
	c C A t	lays of the date the leak test result is know Commission, Region I, ATTN: Chief, Nuclear M Mlendale Road, King of Prussia, Pennsylvania the source or detector cell involved, the tes taken.	n with the U.S. Nuclear Regulatory aterials Safety Branch, 475 19406. The report shall specify
	1 5	The licensee is authorized to collect leak te icensee. Alternatively, tests for leakage a by persons specifically licensed by the Commi perform such services.	nd/or contamination may be performed
16.	acco	licensee shall possess and use byproduct mat ordance with the prescriptive and performance FR Part 35 except sections 35.49(a) and (b),	criteria in all sections of
1			

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(5-84)	orm 374A U.S. NUCLEAR REGULATORY COM	PAGE OF PAGE
(2.24)		License number 37-01421-01
	MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference number 030-02984<37-19448-01
	CORRECTED COPY	Amendment No. 46
17.	The licensee is authorized to transport provisions of 10 CFR Part 71, "Packaging Material."	
18.		naterial in a sealed source or device unless with the U.S. Nuclear Regulatory Commission regulations of an Agreement State.
19.		ctive material with a physical half-life of refere disposal in ordinary trash, provided:
	A. Waste to be disposed of in this manner half-lives.	shall be held for decay a minimum of ten
	surface with the appropriate survey in	waste shall be scriveyed at the container estrument set on its most sensitive scale termine that its radioactivity cannot be diation labels shall be removed or
	on which the byproductionates along p disposed, the survey distrument used	ed under this License Condition shall be must include the date of disposal, the date aced in storage, the radionuclides the background dose cate, the dose rate container, and the name of the individual
20.	A. Access to the treatment room housing a brachytherapy unit shall be controlled	ach high dose rate remote afterloading by a door at each entrance.
)	immediately upon opening of the Tentrar connected in such a manner that the sc	all be equipped with an electrical ource the return to the shielded position cerdoor. The interlock system shall be urce cannot be placed in the irradiation osed and the source "on-off" control is
	C. Electrical interlocks on each entrance for proper operation at least once eac	door to the treatment room shall be tested h day of use.
	D. In the event of malfunction of the doo the "off" position and not used, excep replacement of the interlock system, u functioning properly.	
21. )	Prior to initiation of a treatment progra for each high dose rate remote afterloadi shall be made of:	m, and subsequent to each source exchange ng brachytherapy unit, a radiation survey
	A. The source housing, with the source in radiation levels at 10 centimeters fro	the shielded position. The maximum ' m the surface of the main source safe shal'

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NRC Form 374A 5-84) CORR	U.S. NUCLEAR REGULATORY COMMISSION MATERIALS LICENSE SUPPLEMENTARY SHEET	License number	PAGE OF 37-01421-01	PAGES
	MATERIALS LICENSE SUPPLEMENTARY SHEET		37-01421-01	
CORR	SUPPLEMENTARY SHEET		27	01421_05
CORR		Docket or Reference	030-02984<37-	19448-01 27998-01
	ECTED COPY		Amendment No.	
not	exceed 2 millirem per hour.			·
B. All The	areas adjacent to the treatment room wit survey shall clearly establish:	h the source	in the expose	d position.
(1) T	hat radiation doses to occupationally ex imits specified in 10 CFR 20.1201(a), 20	posed indivi 1207 and 20	duals do not e .1208.	xceed the
(2) T 1	hat radiation doses to individual member imits specified in 10 CFR 20.1301(a).	s of the pub	lic do not exc	eed the
2. The fol Commiss	lowing shall be performed conly by person ion or an Agreement State to perform suc	is specifical h service:	ly authorized	by the
A. Inst rate	allation, and replacement of the sealed remote afterloading brachytherapy unit.	sources cont	ained in each	high dose
brac the the in i	hytherapy unit and associated equipment source driving unit, or other mechanism shielding around the source, or compromi ncreased radiation levels.	involving wo that could e secthe safet	rk on the sour xrose the sour y of the unit	rce safe, rce, reduce and result
A. Prom	ptly determine that all sources have ret	urned to the	safe, shielde	
misp	laced. $\mathcal{U}(\mathcal{M})^{\circ}$			
			used, dose rat	e, time,
		che record re	quired in	
patient survey portabl removed	into its shielded position in the remot shall be made of the patient and the rem e radiation detection survey instrument from the patient. Records of the surve	te afterloudi note afterlou to confirm t	ng device, rad ding device w hat the source	diation ith a e has been
in in i Removal perform	tem 9.L. involving removal of shielding , replacement, and disposal of sealed so ed by persons specifically licensed by t	or access to ources in the	the licensed irradiator sl	authorized material. aall be nent State
6. The pro authori	cedures contained in the manufacturer's zed by this license in item 9.L. shall b	instruction be followed a	manual for the nd a copy of	e irradiator this manual .
	<ul> <li>(1) T</li> <li>(2) T</li> <li>(3) The fol Commiss</li> <li>A. Inst rate</li> <li>B. Main brac the the in i</li> <li>B. Main</li> <li>B. Main</li> <li>B. Main</li> <li>B. Prom</li> <li>at t</li> <li>B. Prom</li> <li>c. Make date</li> <li>D. Reta</li> <li>10 C</li> <li>4. In lieu</li> <li>patient</li> <li>survey</li> <li>portabl</li> <li>record</li> <li>5. The lic</li> <li>in in i</li> <li>Removal</li> <li>perform</li> <li>to perf</li> </ul>	<ol> <li>That radiation doses to occupationally explimits specified in 10 CFR 20.1201(a), 20</li> <li>That radiation doses to individual member limits specified in 10 CFR 20.1301(a).</li> <li>The following shall be performed ionly by persor Commission or an Agreement State to perform such as a commission or an Agreement of the sealed rate remote after bading brachytherapy unit.</li> <li>Maintenance or repair operations on any high brachytherapy unit and as oriated equipment the source driving unit, or other mechanism the shielding around the source, or comproming in increased radiation levels.</li> <li>In lieu of the source inventory described in the source at the conclusion of each high dose refuses the misplaced.</li> <li>Make a record of the survey including survey date and name of the individual making the source shall be made of the survey in lieu of the OCFR 35.404(a), immediately after patient into its shielded position in the removed from the patient. Records of the survey instrument removed from the patient. Records of the survey instrument removed from the patient. Records of the survey instrument removed from the patient. Records of the survey instrument removed from the patient. Records of the survey instrument removed from the patient. Records of the survey instrument removed promotement, and disposal of sealed so performed by persons specifically licensed by to perform such services.</li> </ol>	<ol> <li>That radiation doses to occupationally exposed indivi limits specified in 10 CFR 20.1201(a), 20.1207 and 20</li> <li>That radiation doses to individual members of the pub limits specified in 10 CFR 20.1301(a).</li> <li>The following shall be performed only by Persons' specifical Commission or an Agreement State to perform such service:</li> <li>A. Installation, and replacement of the sealed sources cont rate remote afterbodding brachytherapy unit.</li> <li>B. Maintenance or forair operations on any high dose rate r brachytherapy unit and associated equipment involving wo the source driving unit, or other mechanism that could e the shielding around the source, or compromise the safet in increased radiation levels</li> <li>In lieu of the source inventory described in 10 CFR 35.406,</li> <li>Promptly determine that all sources pays returned to the at the conclusion of each high dose induce brach therapy</li> <li>Promptly make a survey of the area of use to the arisplaced.</li> <li>Make a record of the survey including survey instrument date and name of the individual making the survey.</li> <li>Retain the record of the survey in lieu of the record re 10 CFR 35.406(d).</li> <li>In lieu of 10 CFR 35.404(a), immediately after retracting t patient into its shielded position in the remote afterload survey shall be made of the patient and the remote afterload survey shall be made of the survey instrument to confirm the mercord required in 10 CFR 35.404(b).</li> <li>The licensee shall not perform repairs or alterations of the in in item 9.L. involving removal of shielding or access to Removal, replacement, and disposal of sealed sources in the performed by persons specifically licensed by the Commissio to perform such services.</li> </ol>	<ol> <li>That radiation doses to occupationally exposed individuals do not ellimits specified in 10 CFR 20.1201(a), 20.1207 and 20.1208.</li> <li>That radiation doses to individual members of the public do not exclimits specified in 10 CFR 20.1301(a).</li> <li>The following shall be performed fonly by persons specifically authorized Commission or an Agreement state to perform such service:         <ul> <li>A. Installation, and replacement of the sealed sources contained in each rate remote after bedring brachytherapy unit.</li> <li>B. Maintenance or repair operations on any high dose rate remote afterload brachytherapy unit, ore there mechanism that could expose the source thang unit, ore there mechanism that could expose the source that and a sources or compromise the safety of the unit in increased radiation levels</li> <li>In lieu of the source intertory described in utfork 35.406, the licensee</li> <li>Promptly determine that all sources have returned to the safe, shield at the conclusion of each high dose returned to the safe, shield at the conclusion of the survey including survey instrument used, dose rat date and name of the individual making the survey.</li> <li>Retain the record of the survey in lieu of the record required in 10 CFR 35.406(d).</li> </ul> </li> <li>In lieu of 10 CFR 35.404(a), immediately after retracting the source from patient into its shielded position in the remote afterloading device, rac survey shall be made of the patient and the remote afterloading device, rac survey shall be maintained in 10 CFR 35.404(b).</li> <li>The licensee shall not perform repairs or alterations of the irradiator at in item 9.L. involving removal of shielding or access to the licensed Removal, replacement, and shielding or access to the licensed Removal, replacement, and shielding or access to the licensed Removal, replacement, and of the shielding or access to the licensed Removal, replacement, and of shielding o</li></ol>

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	Form 374A U.S. NUCLEAR REGULATORY COMM	
(5-84)		License number 37-01421-01
	MATERIALS LICENSE	
	SUPPLEMENTARY SHEET	030-02984<37-19448-01
•		37-27998-01
	CORRECTED COPY	Amendment No. 46
	shall be made available to each person us the device.	ing or having responsibility for the use
27.	Except as specifically provided otherwise conduct its program in accordance with the procedures contained in the documents, in except for minor changes in the medical us in 10 CFR 35.31. The U.S. Nuclear Regular unless the statements, representations, an and correspondence are more restrictive th	e statements, representations, and cluding any enclosures, listed below, se radiation safety procedures as provide cory Commission's regulations shall gover ad procedures in the licensee's application an the regulations.
	A. Letter dated January 15, 1997 except 0 B. Letter dated January 28, 1997	
	C. Letter dated July 11, 1997 D. Letter dated August 19, 1997	N'A
	E. Letter dated October 16, 1997	
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	For	the U.S. Nuclear Regulatory Commission
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	T	uclear Materials Safety Branch
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		ing of Prussia, <u>Pennsylvania</u> 19406

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### Permit for Use of Ionizing Radiation Therapy Physicist

PERMIT # 99115 Amended on 2/12/01

Expiration Date: February 28, 2005

NRC License # 37-01421-01

Rafael Yankelevich, PhD. is hereby granted the status "Authorized Medical Therapy Physicist" for the procedures

listed below:

NRC Code Ref.	PADEP. Ref.	
35.400	224.301	Brachytherapy
		HDR Brachytherapy
	228	Linear Accelerator
35.400		Intravascular HDR Brachytherapy (IVB)

This permit is issued based on information submitted to the Medical Health Physics Office and is subject to the terms and conditions of the application materials and associated documents. The Geisinger Radiation Safety Committee reserves the right to withdraw this permit prior to the stated expiration date.

Carboartel

Mildred Fleetwood, PhD. Chair, Radiation Safety Committee Geisinger Health System

thent M. Aulerti-

Catherine M. Anderko, M.S. Senior Health Physicist, Radlation Safety Officer Gelsinger Health System



December 1<sup>st</sup>, 2006

Sandy Gabriel Senior Health Physicist U.S. Nuclear Regulatory Commission, Region I 475 Allendale Road King of Prussia, PA 19406-1415

RE: Mail Control No.: 139593 Radioactive Material License # 09-31141-01

Dear Mrs. Gabriel:

This is to inform that on October 11, 2006, Dr. Ashraf Youssef, M.D. has performed 5 HDR Brachytherapy cases under my supervision in our facility located at 7341 Gladiolus Drive, Fort Myers, FL under State of Florida Radioactive Materials License # 476-2 in which I am listed as an Authorized User.

I confirm that Dr. Youssef has satisfactorily completed the requirements in 10 CFR 35.960(b)(1), (b)(2), and (c) and has achieved a level of competency sufficient to function independently as an HDR authorized user.

Should you have any questions, please feel free to contact me at 239-768-7377.

Sincerely,

Constantine A. Mantz, M.D.

Nucletron Corp. 2006

## Physician mHDR Afterloader Training

A prerequisite for physicians attending this course is a complete understanding of the basics of Brachytherapy. The basics of Brachytherapy will not be taught. Treatment planning system knowledge is a plus.

Advance scheduling with Nucletron Training Department is required. Please call: 443-545-2210. Course date and time will be confirmed in writing upon receipt of participant registration. In event of an emergency, Nucletron reserves the right to cancel the course.

#### **Course Goals**

- 1. Increase understanding of the mHDR afterloading system
- 2. Promote discussion of the mHDR afterloading system
- 3. Presentation on applicators for bodysite solutions
- 4. Promote understanding of data output

#### **Course Introduction**

Instructor and student introductions Overview of the program and training material

#### **Topics Presented and Discussed**

- Nucletron mHDR Afterloader Safety procedures mHDR Afterloader "do's and don'ts"
- Clinical Solutions
   Use of Applicators
   Types of Applicators
- Clinical Training mHDR Afterloader
- Physician's Guide to Treatment Planning Overview of PLATO Treatment Planning System Graphical Optimization
- Review of QA and discuss anatomy of accidents and misadministrations
- Hands on practice with the mHDR afterloader
- Evaluation module
   Participants are required to complete the evaluation document

Certificate citing attendee's participation is issued at completion of course.

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	DE	STATE OF FLORIDA PARTMENT OF HEALTH U OF RADIATION CONTR	ROL
_		ACTIVE MATERIALS LICENS SUPPLEMENTAL SHEET	SE
l/b/a Radiatio  2165 Metro I Fort Myers, F		ter ja suut suut ta suut suut suut suut suut	when a 2000. State of Florida
Radioactive M	aterials License Number	r 476-2 is hereby amended.	ember 8, 2006, State of Florida
	CONDITION 12 AND 22	TO READ:	
		CONDITIONS	
2. A. 1	The following individuals	are authorized for the materia	als and uses as indicated:
	ized Material and Uses bed in Items 6, 7, 8, and		Names
Iridium	192	Danie Graci Micha Bruce Steph Jame Larry David Cons Micha Keith	H. Blitzer, M.D. H. Blitzer, M.D. E. Dosoretz, M.D. H. R. Garton, M.D. M. Nakfoor, Jr., M.D. M. Nakfoor, Jr., M.D. M. Nakfoor, Jr., M.D. H. Rubenstein, M.D. S. H. Rubenstein, M.D. J. Rice, M.D. tantine A. Mantz, M.D. tantine A. Mantz, M.D. L. Miller, M.D. I. Miller, M.D. I. Miller, M.D.
C. 5	Radiologic technologists prachytherapy or telethe	er is Constantine A. Mantz, M who use and administer radic rapy procedures under the ge rtificate as required by Chapte	pactive materials or perform neral supervision of an authorize
License Numb Amendment N		LICENSEE COPY Page 1 of 3 Page(s)	Category: [5A] Expiration Date: 01/31/2011

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				CTIVE MATERI. JPPLEMENTAL			
2.	D.		prized medical phy			pport are:	
			erial and Uses as ams 6, 7, 8, and 9		Names		
	Iridiu	m 192			Womah Neel	e, M.S. , M.S. S. I.S. avid Hung, M.S.	
2.	А.		specifically provi sed material descr		y this license.		
2.	Α.	use licens statement dated Nov correspor Novemi August July 10,	sed material descr ts, representations vember 26, 2004, idence dated: 22, 2005 (New HI 2006 (Disposition	ibed in Items 6, and procedure signed by Dani SR); of RAM); and	y this license, 7, 8, and 9 of s contained in al H, Galmarin	this license in acc the licensee's ap i, M.S., DABR, an	cordance w plication d
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