

RTOG Report to ATC Advisory Committee

ATC: Advanced Technology Consortium Prevident support in quality associated data management for radiation therapy clinical triat Radiation Therapy Oncology Group



THE UNIVERSITY OF TEXAS

AN)FRS

CANCER CENTER

Making Cancer History"

RCET

AMERICAN ASSOCIATION OF PHYSICISTS IN MEDICINE



Radiological Physics Center

University of Florida Radiation Oncology







RTOG Headquarters Provides

- Medical Dosimetrist QA review of advanced technology clinical trials using the ATC web-based remote review tools (RRT) which utilizes a secure web server;
- Dose-volume analysis of case data in RTOG protocols;
- RTOG Headquarters staff arranges for the ongoing monthly (1st Wednesday of each month) ATC conference calls, case review calls ongoing, as needed and protocol specific issues calls biweekly Friday mornings;
- A review of all advanced technology protocols that are developed through the ATC to help ensure uniformity of guidelines;
- Their expertise in maintaining and improving in the current electronic link between the RTOG's clinical trial database and the ITC's treatment planning and verification (TPV) database.





ATC Review Workstation at RTOG HQ's in Philadelphia, PA





R	
diation Therap cology Group	

IMAGE-GUIDED THERAPY CENTER [ITC]

Protocol RTOO	G-9803 Dos	e-Volume Ana	lysis QA R	eview for:				
Patient Initials:	R	Ē	_ Case #:	93				
Group:	1	Dose Level:	2	Rx Dose:	72	(Gy)	(See Appendix I)	_

A. TARGET VOLUME ANALYSIS

Volume	Percent Volume	ICRU Ref	Max	Min	Mean	Coverage
Target (cc)	Receiving \geq 0.93 Rx Dose(D1) Dose (Gy)	Dose (Gy)	Dose (Gy)	Dose (Gy)	Score
PTV1 162.32	- 1007. % > 42.78 Gy		72.8	48.0	66.7	/
PTV2 29.02	1007. %>66.96Gy	72.18	72.8	70.2	71.9	/

Target Volume Coverage Score: $1: V_{0.93RxD} = 100\%, 2: 95\% \le V_{0.93RxD} < 100\%, 3: V_{0.93RxD} < 95\%$

Was Patient Stratified Correctly (Group 1:PTV2 < 75 cc; Group 2: PTV2 ≥ 75 cc)? □ Yes □ No

B DOSE HETEROGENEITY(DH) And CONFORMITY

Dose Heterogeneity Score
/

Dose Heterogeneity (Max Dose/Rx dose): $1: DH \le 1.03, 2: 1.03 \le DH \le 1.10, 3: DH \ge 1.10$

C NORMAL STRUCTURE ANALYSIS (See appendix II for standard structure names)

Normal Tissue	Volume (cc)	% Vol ≥ Ref Dose (D1)	Ref Dose (D1) (Gy)	Max Dose (Gy)	Mean Dose (Gy)
Ipsilateral Cerebrum	508.7	42.5	45.0	72,8	39.9
Contralateral Cerebrum	525.82	16.0	45.0	72.4	22.5
Ipsilateral Optic Nerve	1.06	0	50.0	4.2	1.9
Contralateral Optic Nerve	1.36	0	50.0	4.2	1.7
Ipsilateral Globe	9.43	0	45.0	5.0	1.1
Contralateral Globe	11.6	0	45.0	2.8	1.1
Cerebellum	93.19	0	45.0	23.2	12.8
Brainstem	22.23	0	50.0	29.2	16.8
Spinal Cord	12.96	0	47.0	12.2	1.8
Optic Chiasm	2.12	0	50.0	16.8	7.2
Unspecified Tissues	4785.3	.2	58.9	69.8	2.9

Reviewed by: Durashk 12/02 Date:

After completing this form please FAX to the ITC: (314)747-5423.

*CONFORMITY INDEX:

 $(T^{*}(\text{cover factor}) = \frac{\#\text{points} \ge \text{prescription dose in PTV}}{2}$ Total # points in PTV

points ≥ prescription dose not in PTV SF(spill factor) = 1 -Total of all points ≥ precription dose

 $(')(conformity index) = CF \times SF$ Perfect C1 = 1.000

9803DVAreview



Plan Summary

Page 1 of 1

Next Close

Page 1 of 3

Protocol: 9803 Case: 0063 Plan Description: composite plan

Image-guided Therapy Center

(Plan ID: totalhomo

) Plan Date: Mon Sep 9 14:26

Calculation Volume Size: Width(x) 16.9(cm) x Depth(y) 14.9(cm) x Height(z) 20.4(cm) [81 x 81 x 89] Center: X = 0.4, Y = -1.6, Z = 1.2 SITE: Brain - Supratentorial (Excl. Cerebrum) MD: 1dsh

Beam # (Field): Description: Machine ID: Setup Distance: Isocenter Depth: Isocenter Coord: Entry Point:	1 () PA(B1) 6MVXRAYS 100.0 cm SAD ODI() 10.6 cm 0.6, -0.0, 2.3 cm 0.6, 0.0, -8.2 cm	2 () LT LAT(B2) 6MVXRAYS 100.0 cm SAD ODI() 7.4 cm 0.6, -0.0, 2.3 cm 8.0, 0.0, 2.3 cm	3 () AP(B3) 6MVXRAYS 100.0 cm SAD ODI() 7.6 cm 0.6, -0.0, 2.3 cm 0.6, 0.0, 9.9 cm	4 (RT 100. ODI() 0.6, -0.0, -6.5, 0.0,
Coll. Width(cone):	X1: 5.3 cm	X1: 9.0 cm	X1: 5.3 cm	X1:
	X2: 6.3 cm	X2: 3.0 cm	X2: 6.3 cm	X2:
Coll. Length(cone): .	Y1: 3.0 cm	Y1: 5.3 cm	Y1: 8.5 cm	Y1:
	Y2: 8.5 cm	Y2: 6.3 cm	Y2: 3.0 cm	Y2:
Collimator Angle:	270 degrees	180 degrees	270 degrees	180
Couch Angle:	180 degrees	180 degrees	180 degrees	180
Head/Foot Orient:	Head to Gantry	Head to Gantry		Head to
Gantry Angle:	360 degrees	90 degrees		270
Rotation Arc:	x x x	ххх	x x x	
Comp Filter Used: Bolus Used:	NO COMPENSATOR NO BOLUS USED	NO BOLUS USED	NO BOLUS USED	NO BO
Wedge(Normal):	30W degree (Filt)	45W degree (Filt)	45W degree (Filt)	15W degre
Wedge Orientation: .	Heel RIGHT	Heel RIGHT	Heel RIGHT	He
ICRU Ref Pt (cGy):	448 TD	1267 TD	1267 TD	
Films Link/Aligned: .				

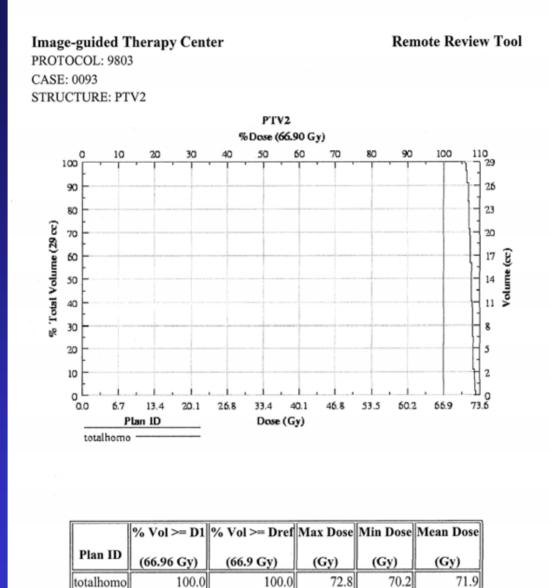
[Max Point Dose = 7503]

Page# 1 of 3

Plan Info (Total ICRU Dose: 7231 [Sampled Dose Value: 5574]) (22.9 Percent Differe







Calculated: Tue Dec 3 10:19:51 2002 (olddump.dat) Printed Mon Apr 14 14:57:14 CDT 2003

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R	
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IMAGE-GUIDED THERAPY CENTER [ITC]

Protocol RTOO	G-9803 Dos	e-Volume Ana	lysis QA R	eview for:				
Patient Initials:	R	Ē	_ Case #:	93				
Group:	1	Dose Level:	2	Rx Dose:	72	(Gy)	(See Appendix I)	_

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B DOSE HETEROGENEITY(DH) And CONFORMITY

Dose Heterogeneity Score
/

Dose Heterogeneity (Max Dose/Rx dose): $1: DH \le 1.03, 2: 1.03 \le DH \le 1.10, 3: DH \ge 1.10$

C NORMAL STRUCTURE ANALYSIS (See appendix II for standard structure names)

Normal Tissue	Volume (cc)	% Vol ≥ Ref Dose (D1)	Ref Dose (D1) (Gy)	Max Dose (Gy)	Mean Dose (Gy)
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Cerebellum	93.19	0	45.0	23.2	12.8
Brainstem	22.23	0	50.0	29.2	16.8
Spinal Cord	12.96	0	47.0	12.2	1.8
Optic Chiasm	2.12	0	50.0	16.8	7.2
Unspecified Tissues	4785.3	.2	58.9	69.8	2.9

Reviewed by: Durashk 12/02 Date:

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*CONFORMITY INDEX:

 $(T^{*}(\text{cover factor}) = \frac{\#\text{points} \ge \text{prescription dose in PTV}}{2}$ Total # points in PTV

points ≥ prescription dose not in PTV SF(spill factor) = 1 -Total of all points ≥ precription dose

 $(')(conformity index) = CF \times SF$ Perfect C1 = 1.000

9803DVAreview



IMAGE-GUIDED THERAPY CENTER [ITC]

Protocol RTOG-0319 Dose-Volume Analysis QA Review for : Univ. of Colorado Health Sciences

Pt. Initials	M. M.		_ Case #:	0014	0319c0014
Group:	_1	Dose Level:	38.5	Rx Dose:	38.5 (Gy)

A. TARGET VOLUME ANALYSIS

Target	Volume (cc)		Volume 95 Rx Dose(D1)	ICRU Ref Dose (Gy)	Max	D	Mean Dose (Gy)	Coverage
PTV_EVAL	269.31	98.6	36.5	38.53	39.5	33.5	38.2	2

Target Volume Coverage Score: $1: V_{0.95RxD} = 100\%$, $2: 95\% \le V_{0.95RxD} < 100\%$, $3: V_{0.95RxD} < 95\%$ Number of Beams

Used

8 B. DOSE HETEROGENEITY(DH) And CONFORMITY

	Conformity Index*	Dose Heterogeneity	Dose Heterogeneity Score
PTV_EVAL		1.026	1

Dose Heterogeneity (Max Dose/Rx dose): $1: DH \le 1.10$, $2: 1.10 \le DH \le 1.20$, 3: DH > 1.20C. NORMAL STRUCTURE ANALYSIS (See appendix II for standard structure names)

Normal Tissue	Volume (cc)	% Vol≥ Ref Dose (D1)	Ref Dose (D1) (Gy)	Max Dose (Gy)	Mean Dose (Gy)
Ipsilateral Lung	1314.5	10.4	11.6	36.1	6.2
Contralateral Lung	1479.1	0	1.9	.6	.1
Ipsilateral Breast	1717.4	55.0/9.4	19.25/38.5	39.5	21.3
Contralateral Breast	1779.6	0	1.2	2.2	C
Thyroid	2.50	0	1.2	.3	.2
Heart	409.76	7.2	1.9	9.6	.7
Unspecified Tissue	14053	. 		37.5	.9

Date: 3/4/04 Reviewed by: Bernadine

After completing this form please FAX to the ITC: (314)747-5423.

*CONFORMITY INDEX:

CE(cover factor) = #	points ≥ prescription dose in PTV
CP(cover (actor)) = -	Total # points in PTV
$SF(spill factor) = 1 - \frac{1}{2}$	# points \geq prescription dose not in PTV
SP (spin factor) = t = -	Total of all points \geq precription dose
CI(conformity index)	$= CF \times SF$
Perfect CI = 1.000	
0319DVAreview	v





RTOG Protocols supported by the ATC (as of March 29, 2004)

- 9 Studies (6 Active / 3 closed, data analysis continues)
 - <u>RTOG 94-06</u>: Phase I/II Dose Escalation Study Using 3D Conformal Radiation Therapy for Adenocarcinoma of the Prostate
 - 54 institutions credentialed; 1084 patients registered to study (study closed, data analysis continues)
 - <u>RTOG 93-11</u>: Phase I/II Dose Escalation Study Using 3D Conformal Radiation Therapy in Patients with Inoperable NSCLC
 - 26 institutions credentialed; 180 patients registered to study (study closed, data analysis continues)
 - <u>RTOG 98-03</u>: Phase I/II Radiation Dose Escalation Study Applying Conformal Radiation Therapy in Supratentorial Glioblastoma Multiforme
 - 46 institutions credentialed; 210 patients registered to study (study closed, data analysis continues)





RTOG Protocols supported by the ATC (as of March 29, 2004) (cont.)

- <u>RTOG H-0022</u>: Phase I/II Study of Conformal And Intensity Modulated Irradiation for Oropharyngeal Cancer
 - 17 institutions credentialed; 38 patients registered to study; Target Accrual 64
- <u>RTOG L-0117</u>: Phase I/II dose intensification study using 3DCRT and concurrent chemotherapy for patients with inoperable, non-small cell lung cancer
 - 36 institutions credentialed; 17 patients registered to study; Target Accrual 64
- <u>RTOG P-0126</u>: Phase III randomize study of high dose 3DCRT/IMRT versus standard dose 3DCRT/IMRT in patients treated for localized prostate cancer
 - 86 institutions credentialed; 234 patients registered to study; Target Accrual 1520





RTOG Protocols supported by the ATC (as of March 29, 2004) (cont.)

- <u>RTOG 0225</u>: Phase I/II Study of Conformal And Intensity Modulated Irradiation for Nasopharyngeal Cancer
 - 17 institutions credentialed; 15 patients registered to study; Target Accrual 64
- <u>RTOG 0232</u>: Phase III Comparing Combined External Beam Radiation & Transperineal Interstitial Permanent Brachytherapy with Brachytherapy alone
 - 20 institutions credentialed; 28 patients registered to study; Target Accrual 1520
- <u>RTOG 0319</u>: Phase I/II to Evaluate 3DCRT Irradiation Confined to Region of the Lumpectomy Cavity for Stage I/IIA Breast Carcinoma.
 - 24 institutions credentialed; 35 patients registered to study; Target Accrual 46





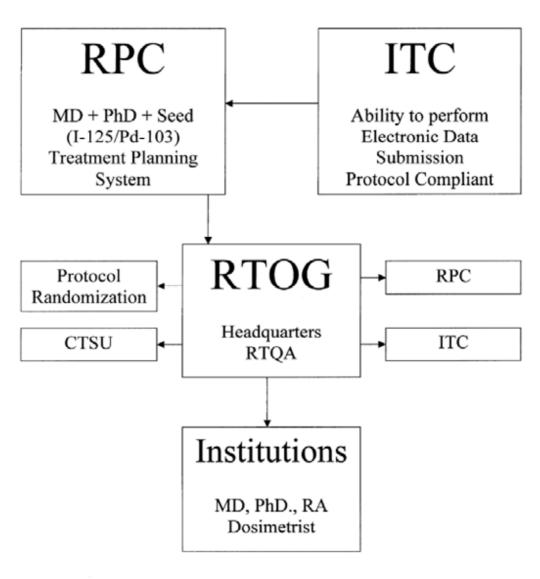
Pending RTOG Protocols (ATC Resources Requested/Committed)

- 5 Studies
 - <u>RTOG 0236</u>: Phase II Extracranial Stereotactic Radioablation in Treatment of Patients with Medically Inoperable Stage in NSCLC.
 - <u>RTOG 0238</u>: A Phase I/II Study of Gross Tumor Volume Definition with or without Pet Fusion for Patients with Non-Small Cell Lung Carcinoma.
 - <u>RTOG 0245</u>: Phase I/II Highly Conformal Radiation Therapy for Patients with Unresectable Liver Metastases.
 - <u>RTOG 0321</u>: Phase I/II Prostate: High Dose Brachytherapy and External Beam.
 - <u>RTOG 0413</u>: Phase III Study of Whole Breast RT versus Partial Breast Irradiation.





RTOG 0232 Prostate – Brachytherapy Credentialing Process Notification







Institution Approval Letter for RTOG – 0232

Oncology Group



Radiation Therapy Oncology Group

American College of Radiology 1101 Market Street, 14th Floor Philadelphia, PA 19107 (215) 574-3189 (800) 227-5463 Ext. 4189 (215) 928-0153 Fax

Date

Radiation Oncologist, M.D. Institution - CTSU Address City, State, Zip Code

Dear Dr.:

The Credentialing process by the Radiological Physics Center (RPC) for prostate brachytherapy and Electronic Data Submission to the Image-Guided Therapy Center (ITC) for RTOG-0232 - A Phase III Study Comparing Combined External Beam Radiation and Transperineal Interstitial Permanent Brachytherapy with Brachytherapy Alone for Selected Patients with Intermediate Risk Prostatic Carcinoma has been successfully met.

You are now approved to enter patients onto RTOG Prostate Implant Protocol 0232. A change in Radiation Oncologist, Physicist, treatment planning system, nuclide or seed model will require recredentialing by the RPC and/or ITC.

Sincerely,

Elizabeth A. Martin Director, R.T. Quality Assurance

cc: Physicist Research Associate Dosimetrist **RTOG Randomization** ITC RPC CTSU

Supported by the Division of Cancer Treatment and Diagnosis, National Cancer Institute



Credentialed Institutions Radiation Therapy Oncology Group RTOG – 0019 (14 Institutions Credentialed) RTOG – 0232 (20 Institutions Credentialed)

RTOG	RTF	· · · · · · · · · · · · · · · · · · ·					1	Dry Run	Dry Run
Inst. #	#	Name	Source	Approved	Physician	Physicist	TX Planning Sys	Sub. ITC	Approval
		RTOG Protocol P-0019							<u>+</u>
	2619	U of Utah	isostar	5/9/2001	Gregory Patton	Jim Rankin	MMS-Variseed		
	2215	Roswell Park	uromed	5/21/2001	Michael Kuettel	Matthew Podgorsak	Theraplan Plus		
	1675	LDS Hosp	6711	10/1/2001	R. Jeffrey Lee	David Mathes	MMS-Variseed		
		Methodist, Peoria	6711		Revathi Swaminathan	Mohamed Ali	Focus		
							RTek Piper		
	2613	Univ. of Rochester	6711	9/7/2001	Ralph Brasacchio	Yan Yu	(Home Grown)		
	2120	Queens Hosp	6711	7/16/2001	John Lederer	Ed Price	MMS-Variseed		
	1034	York Hosp (XRT done @ Apple Hill)	6711	7/16/2001	Amit Shah	Rick Raver	MMS-Variseed		
	1744	MD Anderson	6711	9/25/2001	Deborah Kuban	Ann Lawyer	MMS-Variseed		
	1714	London Regional	6711	12/20/2001	Varugar Venkatesan	Craig Lewis	Theraplan Plus		
	1788	McGuire VA	6711	3/7/2002	Michael Hagan	Nirmal Sakthi	MMS-Variseed		
	2740	Wilford Hall	6711	4/29/2002	Barry Gardner	Terrance Harms, Minghong Wang	MMS-Variseed		1
	1788	McGuire VA	Pd 200	6/12/2002	Michael Hagan	Nirmal Sakthi	MMS-Variseed		
	2182	Research Med Ctr	6711, Pd 200		John Sheldon	Charles L. Smith	MMS-Variseed		
		Mary Bird Perkins	loGold		Sheldon A. Johnson	Angela Stam	MMS-Variseed		
		ACOSOG Protocol 20070							
		St. Luke's, Chesterfield, MO	Pd200, 6711	5/31/2002	David Butler, Karen Halverson	Abel Cheng	CMS-Focus		† · · ·
		Norfolk General, Norfolk, VA	Pd200		Mark Shaves	Alex Gray	MMS-Variseed		
		U-Wash, Seattle	6711		Ken Russell	Mark Phillips	Prowess		1
		Cleveland Clinic	6711		Jay Ciezki	Allan Wilkinson	MMS-Variseed		
		Princess Margaret Hospital	6711, loGold		Michael McLean	Ivan Yeung	MMS-Variseed		
		Central Arkansas Radiation Therapy Institute	6711		Xiang Gao, Ann W. Maners	Dale Campbell	MMS-Variseed		
		Hotel-Dieu de Quebec, Quebec	6711		Eric Vigneault	Luc Beaulieu	Theraplan Plus		i
	2110	Providence Hospital, Southfield, MI	6711		Patrick McLaughlin	Vrinda Narayana	UM Plan		
	2100	Princess Margaret Hospital	Draximage LS-1		Michael McLean	Ivan Yeung	MMS-Variseed		
		Fletcher Allen (U-Vermont)	6711		Peter Swift	Marleen Moore, David Desantis	MMS-Variseed		
		Memorial-Sloan Kettering	6711		Michael Zelefsky	Gil Cohen	Interplant iPAS		
		RTOG Protocol P-0232					intorplant in the		
1+		Vanderbilt	I-plant	5/5/2003	Ming Teng	Charles Coffey, Bob Aus	Rosses		-
	2000	Tendorone .	iogold,prostaseed,	0/0/2000	ining tong	onance concy, cop rac	1.00000		
1		Univ. of TX, San Antonio	pd200,pdgold,				Home Grown and		
7718		(Can. Ther. Res. Ctr)	best pd	5/16/2003	Bradley Prestidge	William Bice	Variseed		
		Mary Bird Perkins			Sheldon A. Johnson	Angela Stam	Varian Variseed		
		Roswell Park Cancer Institute			Michael Kuettel	Matthew Podgorsak	Varian Variseed		
2102		Washington University Medical Center			Jeff Michalski		Varian Variseed		
		Wake Forest University Baptist Med. Ctr.			W. Robert Lee	Allan deGuzman	Varian Variseed		
		Akron City Hospital			Michael Seider	Stanley Phillips	Varian Variseed		
2501	1675	LDS Hospital	1. Calif. 1. Calif		R. J. Lee, M.D.	David Matthes			1
0137	2700	Washoe Medical Center		11/4/2003	Lawrence Dardick, M.D.	Richard Erickson, M.S.	Varian Variseed		+
		South Suburban Oncology Center			H. Joseph Barthold, M.D.	Sheri Weintraub, M.S.	Varian Variseed		+
7501		Cross Cancer Institute			John Pedersen, M.D	Ron Sloboda, Ph.D.	Varian Variseed		<u> </u>
					Joseph Cardinale, M.D.				1
0152	i	Hospital of St. Raphael		11/18/2003	Francis Cardinale, M.D.	Per Halvorsen, M.S.	Varian Variseed		
CTSU	-	Memorial Medical Center			Thomas Shanahan, M.D.	Randy Maxey, M.S.	Varian Variseed		
10100	-			12,5,2005	Juanita Crook, M.D.	inditoy maxey, m.o.	Contain Vanisood		1
2215		Princess Margaret Hospital		12/31/2003	Michael McLean, M.D.	Ivan Yeung	Varian Variseed		
2213		T Inocos margarer nospitat		12/3/12/03	Seth Rosenthal, MD	iven roang	variari variseed		+
					David linstadt, MD				
6201		Radiological Associates of Sacramento			Mark Leibenhaut, MD	Miriam Lambert, Ph.D.	Varian Variseed		
0201		radiological Associates of Cacialiento		1		million camberr, 1 n.o.	Amersham		+
5301	2420	Queen's Medical Center in Honolulu		2/2/2004	John L. Lederer, M.D.	Edwin Price, Ph.D.	model 6711		1
5301	2120	Queens medical Center in nonoidiu		2/2/2004	Sourie Legeler, M.D.	Jadwiga B. Wojicicka, Ph.D.	modero/11		
0629		York Cancer Center, Wellspan		2/11/2004	Amit Shah, M.D.	Stephan Both, M.S.	Varian Variseed		1
9610		McKay Dee Hospital Center			Gary Whipple, M.D.	Mark Amfield, Ph.D.	Varian Variseed		
9010		Murray Dee Hospital Center		2/12/2004	Pradip Amin, M.D.	Mark Annielu, Fil.D.	vanan vanseed		
5702		University of Maryland Medical Systems		2/16/2004	William Regine, M.D.	Mehrdad Sarfaraz, Ph.D.	Variseed		
	1021	Allegheny General Hospital	1		Russell Fuhrer, M.D.	Mark Johnson, M.S.	Varian Variseed		\vdash \sim
	1021	Allegheny General Rospital	1	j 3/15/2004	russen runter, M.D.	Inan Johnson, W.S.	vanan vanseed		

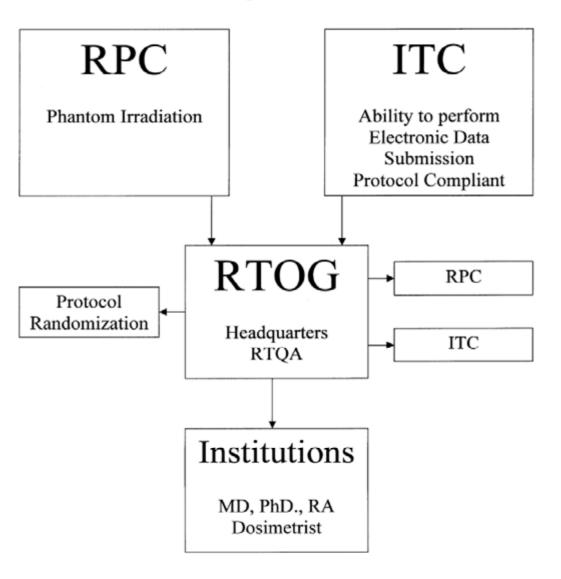


F # Name	Source	Approved	Physician	Physicist	TX Planning Sys.	Dry Run Sub. ITC	Dry Run Approva
RTOG Protocol 98-05			<u>.</u>				+
2588 Univ of Chicago	67	11 6/11/1999	Jaishanker Nautiyal	Franca Kuchnir	Silicon Graphics (Horr	e Grown)	
2687 Wake Forest Univ (Bowman Gray)	67		W. Robert Lee	Allen deGuzman	MMS-Variseed		+
131 Bridgeport Hosp	67		Paul Berger	David Wishko	MMS-Variseed		
1786 Mayo/Jacksonville	67	11 9/30/1998	Steven Buskirk	Christopher Serago	Pinnacle	1	
2536 Toronto Sunnybrook	67		Gerard Morton	William Que	MMS-Variseed		
2388 St. John, Detroit	67	11 12/3/1998	Jwong Ling/Kenny Rhee	Walter Nikesch	Focus		
1076 Washington Univ	67	11 12/3/1998	Jeff Michalski	Sasa Mutic	MMS-Variseed	3/14/2003	-
463 Geisinger	67	11 1/15/1999	Omar Yumen	Rafael Yankelevich	MMS-Variseed		
2719 West Michigan	67	11 12/3/1998	James Wheeler	Richard Mueller	MMS-Variseed		
1527 Wayne State	67	11 1/15/1999	Paul Chuba/Jeffrey Forman	Mark Yudelev	Nucletron		
1276 St. Mary, Milwaukee	67	11 2/12/1999	Carl Olson	John Whitton	MMS-Variseed		
1449 Fox Chase	67	11 12/3/1998	Eric Horwitz	Tim Schultheiss/Raj Mitra	Plato	,	
2340 Spartanburg	67	11 6/14/1999	Patricia Griffin	David Vassy	MMS-Variseed		
2015 Northwestern, Chicago	67	11 4/20/1999	John Kalapurakai	V. Sathiaseelan/Cynthia Thomason	Prowess		- - · · · ·
1834 Mercy Hosp, Pittsburgh	67		Michael Dougherty	Dan Pavord	Multidata DSS		2
2582 Univ of Alabama	67		Robert Kim/John Fiveash	Prem Pareek	Prowess		
313 Cross Cancer Inst. (U-Alberta)			John Pedersen	Ron Sloboda	Home Grown		•
704 Waukesha Memorial			Wingate Clapper	Katherine Albano	Prowess	i	
557 Holmes Regional			David Grisell	Mary Ellen Masterson-McGary	Prowess	• • • • • •	
		0.21000	Khurshid Ahmad/Young Kim/	mary Eller macterios moodry		· · · · · · · · · · · · · · · · · · ·	÷ · · ·
2448 St. Mary's, Saginaw	67	11: 4/29/1999	Michael Cappelli	Jacek Wierzbicki	Prowess/Pinnacle		
853 Roger Maris (Fargo)			Robert Arusell	John Pfund	MMS-Variseed	· · · · · ·	<u>.</u>
274 Kaweah Delta		11 11/30/1999		Don Hess	MMS-Variseed		
323 Southeastern Wisc			James Taylor	Armin Langenegger	MMS-Variseed		7
423 Firelands Community			G. Phillip Engeler	Michael Ohm/Andrew Schneider	Prowess		<u> </u>
254 Christ Hosp, Cinci		11 6/23/1999	William Barrett	Steven Lukes	Theraplan Plus		+
900 Montefiore, New York			Chandon Guha	Doracy Fontenla	Prowess	4	
396 Ellis Fischel			Steve Westgate	William Kennedy	Pinnacle		+
894 Mobile Infirmary			John Russell	Michael Williams/Kim Flurry	Theraplan Plus		
100 Princess Margaret			Juanita Crook	Phil Leung	MMS-Variseed		L .
			Tomas Pisansky	Robert Kline			
785 Mayo Clinic					Theraplan Plus		
597 Univ of Kentucky			Mohammed Mohiuddin David Linstadt	Ali Melgooni	Prowess		
214 Rad. Assoc. of Sacramento-Roseville				Ram Virudachalam	MMS-Variseed		÷
863 Methodist, Indianapolis			Thomas Dugan	John Kent/Ron Berg/Doug Frye	MMS-Variseed		_
570 Univ of Wisc, Wausau			Darryl Barton	Jeff Limmer	Prowess/ProSim		
640 Jefferson Univ.			Adam Dicker	Frank Waterman	MMS-Variseed	· · · · · -	
104 Beth Israel, NY			Daniel Shasha	Lin Wang	MMS-Variseed		
730 Loyola/Hines			Najeeb Mohideen	Nesrin Dogan	Prowess/Focus		
2406 St. Joseph's, Albuquerque			Paul Anthony	David Lake	Pinnacle		,
599 Univ of Maryland			Pradip Amin	Allen Li	Strata		
783 Mass Gen			Anthony Zietman	Thomas Mauceri	MMS-Variseed		L
520 Hamilton Regional			J. Sathya	Orest Ostapiak	Pinnacle		
2214 Rad. Assoc. of Sacramento-Roseville			Seth Rosenthal	Ram Virudachalam	MMS-Variseed		
1011 Akron City	01	11 12/12/2000	Michael Seider	Ashoka Bhargava	MMS-Variseed		





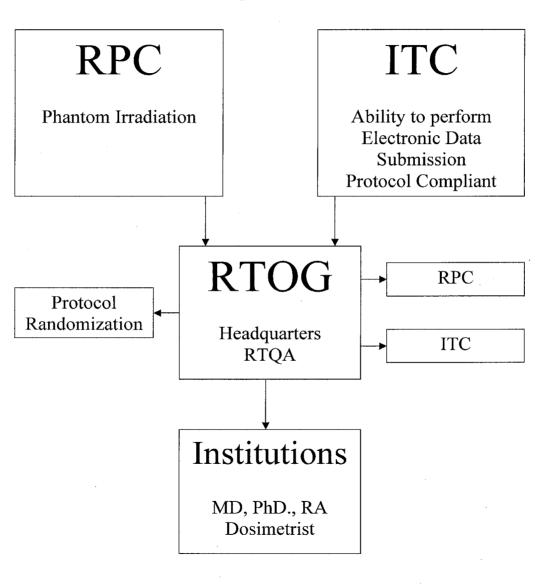
RTOG 0022 IMRT H&N – Oropharyngeal Credentialing Process Notification







RTOG 0225 IMRT H&N – Nasopharyngeal Credentialing Process Notification

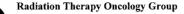






Institution Approval Letter for RTOG – 0022 & 0225

Radiation Therapy Oncology Group



American College of Radiology 1101 Market Street, 14th Floor Philadelphia, PA 19107 (215) 574-3189 (800) 227-5463 Ext. 4189 (215) 928-0153 Fax

Date

Institution

Dear Dr.:

The IMRT Head and Neck Phantom irradiation component of the credentialing process reviewed by the Radiological Physics Center (RPC) and the testing for the dry run case through the Image-Guided Therapy Center (ITC) for RTOG 0022 - Phase I/II Study of Conformal and Intensity Modulated Irradiation for Oropharyngeal Cancer and RTOG 0225 - Phase II Study of Intensity Modulated Radiation Therapy (IMRT) +/-Chemotherapy for Nasopharyngeal Cancer has been successfully met.

You are now approved to enter patients onto RTOG Protocol 0022 and RTOG 0225.

Sincerely,

Elizabeth A. Martin Director, R.T. Quality Assurance





Approved Institutions RTOG – 0022 & 0225 17 Institutions Credentialed 36 Institutions in process

Institution	NCI #	RTOG Inst.#	ITC Dry Run Approval	Digital Phantom Data Submission to ITC	ITC Acceptable	RTF #	Phantom Irradiation	RPC Phantom Approval	RPC Acceptable	Status	Repeats	RPC Acceptable	Overal Approv
RTOG 0022 & 0225	-												
Akron City Hospital	OH055	1518				1011			No	Active			1
Albuquerque Regional Medical Center		1				2406	02/19/2003		No	/ touro			-
California Cancer Center	-	İ					05/15/2002		No				
Central Wisconsin Cancer Program (St. Agnes Wisconsin)	WI060	7013			·	1231			No	Resign-12/31/96			
Community Medical Center	NJ070	2211				1293			Yes	Active			- 1.1
Cross Cancer Institute	11104	7501	12/21/2001	12/21/2001	Yes		07/29/2001	1st 10	Yes	Active			Yes
Emory Clinic	GA005		122112001	1252 112001	163	1401	0112312001	02/12/2004	No	Active			res
arview University Medical Center	MN022					2603	02/19/2004		No	Active			
Flower Memorial Hospital	WIN022	1312				1440		03/17/2004		Active			
Fox Chase Cancer Center	PA086	2212	· · · · ·			1440			No	0	Deneral Oldon		
Beorgetown University Medical Center	DC005					1449			No	Active	Repeat - 9/4/03	Yes	
Sood Samaritan, Portland OR	0005	2133	02/20/2003	05/07/2003	Yes	1471	03/28/2003	001000000	No	Resign-2/21/00	Desert 7/05/00	N	- ·
Lee Moffitt Cancer Center	FL079	0488	0212012003	05/07/2003	res	1483			Yes		Repeat - 7/25/03	Yes	Yes
										Active	i		
Iolmes Regional Medical Center	FL021	2236				1557			No Report		Repeat - 7/7/03	Yes	
ntercommunity Cancer Center, Cincinnati. OH	14004						Currently hav			Not a Member			-
owa Methodist Medical Center	IA004	0200				1626			No	Resign-4/15/97	(. <u> </u>		_
John's Hopkins	MD017		04/03/2003	03/31/2003	Yes	1652				Active			Yes
Kansas City Cancer Centers-Southwest (CCOP)		0161				1654				Resign-2/1/98			_
DS Hospital	UT004				L	1675			Yes	Active			
M.D. Anderson Cancer Center	TX035		11/14/2001	11/14/2001	Yes	1744			Yes	Active	1		Yes
Massachusetts General Hospital	MA034					1783	05/08/2003	1st 10	Yes	Active			
Mayo Clinic, Rochester. MN	MN026	0184			[1785	05/20/2003	06/23/2003	Yes	Active			-
v/cGill	11152	1201	03/25/2004	03/25/2004	Yes	1903	12/08/2003	02/04/2004	Yes	Active			Yes
Medical College of Wisconsin	WI013	7001	02/20/2002	02/20/2002	Yes	1460	03/09/2001	1st 10	Yes	Active	1		Yes
Memorial Health University Medical Center						1810			No		1		
Memorial Sloan-Kettering Cancer Center	NY016	2301					10/31/2003	12/04/2003	Yes	Active			
vaval Medical Center Portsmouth						1941	06/16/2003		Yes				
Vorthwest Community Hospital	IL001	7705					08/20/2003			Active	i		·
Queen's Medical Center, Honolulu, Hawali	HI004	5301				2120	02/25/2003	06/23/2003	Yes	Active			_
Radiation Oncology Centers of Las Vegas	1					2138			Yes	, iouvo	-		- 1.
Radiological Associates Sacramento (Sutter)	CA269	6201	05/22/2003	01/10/2003	Yes	2503				Active			Yes
Regional Radiology Oncology Center, Rome. GA	GA059					1621		12100/2000	No	Active			
Baskatoon Cancer Center	11120		12/10/2001	12/10/2001	Yes	2260		1st 10	Yes	Active			Yes
Sentara Norfolk General Hospital			1210/2001	1201002001	100	2271			Yes	Active			163
St Luke's Bethlehem, PA	PA054	1324				2433			Yes	Active			
Swedish Cancer Institute	1 1004	1024				2400	00/2003	5//10/2003	165	ALOVE			
Thomas Jefferson University	PA121	0604	11/14/2001	11/14/2001	Yes	1640	09/28/2000	1st 10	Yes	Active			Yes
fom Baker Cancer Centre	11134		06/23/2003	06/23/2003	Yes	2535			Yes	Active			
Jniversity Hospital of Cincinnati	OH070		00/23/2003	00/23/2003	res	2589							Yes
Jniversity of Alabama at Birmingham	AL002		06/30/2003	06/30/2003			01/22/2004		Yes	Active			
	CA189		06/30/2003	06/30/2003	Yes	2582			Yes	Active			Yes
Iniversity of California, Davis; Sacramento, CA 95817 Iniversity of California San Francisco				0.4/4.0/00000		2584			Yes	Active			
	CA136		04/10/2002	04/10/2002	Yes	2564			Yes	Active			Yes
Iniversity of Florida, Gainesville	FL015			0.011.0.07	<u> </u>	2592			Yes	Active	<u></u>		
Iniversity of Michigan Medical Center	MI014		06/16/2003	06/16/2003	Yes		01/28/2003		Yes	Active			Yes
Iniversity of Pennsylvania	PA075				L	2610			Yes	Resign-12/2/03			
Iniversity of Texas Medical Branch, Galveston	TX045		04/10/2002	04/10/2002	Yes	2618			Yes	Active			Yes
Iniversity of Wisconsin	WI020		06/23/2003	06/23/2003	Yes	2622			Yes	Active			Yes
firginia Mason Medical Center	WA054						Currently have		No	Active	Repeat - 7/24/03	No	_
Vake Forest University School of Medicine	NC002					2687	11/14/2003		Yes	Active			
Vashington University			03/02/2004		Yes	1075		1st 10	Yes				Yes
Vaukesha Memorial Hospital	WI051	7015				2704	06/24/2002		Yes	Active			-
Vilkes-Barre General Hospital	PA060	1323				2741	10/22/2002	02/06/2004	Yes	Active	Repeat - 7/13/03	Yes	-
Villiam Beaumont Hospital, Royal Oak. MI	MI005	7720	02/27/2003	05/12/2003	Yes	2744	05/07/2003	01/13/2004	Yes	Active	i	Yes	- Yes





Institution Approval Letter for RTOG – 0126

Radiation Therapy Oncology Group

Radiation Therapy Oncology Group

American College of Radiology 1101 Market Street, 14th Floor Philadelphia, PA 19107 (215) 574-3189 (800) 227-5463 Ext. 4189 (215) 928-0153 Fax

Date

Institution

Dear Dr.:

Since your institution has been credentialed for the IMRT Head and Neck protocols (RTOG 0022 & RTOG 0225) you will be automatically credentialed to participate in the Prostate protocol using IMRT (RTOG 0126 - Phase III Randomized Study of High Dose 3D-CRT/IMRT Versus Standard Dose 3D-CRT/IMRT in Patients Treated for Localized Prostate Cancer). You will not be required to do additional credentialing for the use of IMRT on RTOG 0126.

You are now approved to enter patients onto RTOG Protocol 0126.

Sincerely,

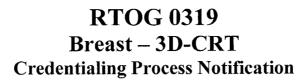
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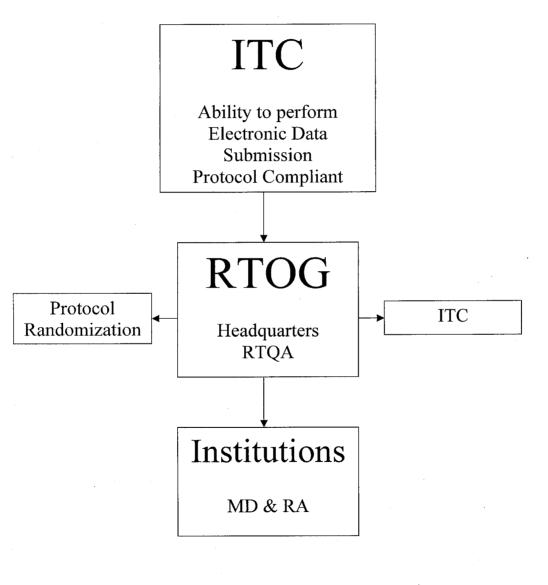
Elizabeth Martin Director, R.T. Quality Assurance

> Physicist Research Associate **RTOG Randomization** ITC RPC



Radiation Therapy Oncology Group



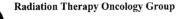






Institution Approval Letter for RTOG – 0319

Oncology Group



American College of Radiology 1101 Market Street, 14th Floor Philadelphia, PA 19107 (215) 574-3189 (800) 227-5463 Ext. 4189 (215) 928-0153 Fax

Date

Institution

Dear Dr.:

The Credentialing process and Electronic Data Submission to the Image-Guided Therapy Center (ITC) for RTOG 0319 - Phase I/II Trial to Evaluate Three Dimensional Conformal Radiation Therapy (3D-CRT) Confined to the Region of the Lumpectomy Cavity for Stage I and II Breast Carcinoma has been successfully met.

You are now approved to enter patients onto RTOG Protocol 0319.

Sincerely,

Elizabeth A. Martin Director, R.T. Quality Assurance

Research Associate cc: **RTOG Randomization** ITC





Institution Approval Letter for RTOG – 0319

Oncology Group

Radiation Therapy Oncology Group

American College of Radiology 1101 Market Street, 14th Floor Philadelphia, PA 19107 (215) 574-3189 (800) 227-5463 Ext. 4189 (215) 928-0153 Fax

Date

Institution

Dear Dr.:

Since your institution has been approved in the past for credentialing on other Advanced Technology 3D CRT Protocols, you will be automatically credentialed into RTOG 0319 - Phase I/II Trial to Evaluate Three Dimensional Conformal Radiation Therapy (3D-CRT) Confined to the Region of the Lumpectomy Cavity for Stage I and II Breast Carcinoma, therefore, you will not be required to do additional credentialing for RTOG 0319.

You are approved to enter patients onto RTOG Protocol 0319.

Sincerely,

Elizabeth Martin Director, R.T. Quality Assurance

Research Associate cc: **RTOG Randomization** ITC



Supported by the Division of Cancer Treatment and Diagnosis, National Cancer Institute



ATC Meeting Schedule

- Monthly teleconferences are held on the first Wednesday of each month to keep all ATC participants up to date on ongoing effects. Next call on April 7, 2004 at 2:00 CST.
- ATC meeting at the RTOG Semi-Annual Meeting in Washington, D.C., Capital Hilton, Thursday, June 24, 2004 at 8:00am – 5:00pm.





R. T. Quality Assurance Staff



Back Row L/R: Betty Martin, Bernadine Dunning, Tammy Rogers, Denise Manfredi Front Row L/R: Julie McIlvaine, Joanne Hunter, Lorraine Quarles

