

G.V. (Sonny) Montgomery VA Medical Center, Jackson, Mississippi
Prostate Seed Implant Program, Dose Summary

1	2	From JVAMC Written Directive			From DRO-Coordinated External Review								From JVAMC Written Directive			From DRO-Coordinated External Review				21	22
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
JVAMC Patient Reference Number	DRO Patient Reference Number	Implant Date	Prescribing Physician	Prescribed Dose, PD (Gy)	Edema-corrected D90 (Gy)	Edema-corrected D90 (as % PD)	Rectum D1cc (less ETV) (Gy)	Rectum D1cc (as % PD)	Bladder D1cc (less ETV) (Gy)	Bladder D1cc (as % PD)	NonSpec D2cc (less ETV+10 mm) (Gy)	NonSpec D2cc (as % PD)	No. of Seeds Implanted	mCi/seed	Activity Implanted (mCi)	No. of Seeds Identified	No. of Seeds Identified Outside ETV	% Seeds Identified Outside ETV	% Activity in ETV	Date Medical Event Discovered (mm/dd/yy)	Basis for Medical Event Report to NRC
1	55	02/16/05	WC	145	106	73%	136.1	93.9%	44.7	30.8%	66.9	46.1%	70	0.341	23.9	70	6	8.6%	91.4%	09/08/10	D90 (DRO) < 80%
2	21	02/02/05	JJ	145	189	130%	123.4	85.1%	78.6	54.2%	34	23.4%	75	0.341	25.6	68	2	2.9%	97.1%	not event	
3	65	02/23/05	WC	145	125	86%	124.8	86.1%	83	57.2%	55.5	38.3%	106	0.341	36.1	106	5	4.7%	95.3%	not event	
4	13	02/23/05	WC	145	132	91%	74.5	51.4%	59.3	40.9%	25.1	17.3%	60	0.341	20.5	60	0	0.0%	100.0%	not event	
5	77	04/06/05	WC	145	109	75%	95.9	66.1%	71.8	49.5%	43.6	30.1%	96	0.341	32.7	96	14	14.6%	85.4%	10/07/08	D90 (Jackson & DRO) < 80%
6	17	05/18/05	JJ	145	122	84%	92.4	63.7%	30.4	21.0%	32.4	22.3%	65	0.341	22.2	65	2	3.1%	96.9%	not event	
7	62	05/18/05	WC	145	144	99%	90.5	62.4%	61.6	42.5%	36.8	25.4%	77	0.313	24.1	77	4	5.2%	94.8%	not event	
8	44	06/01/05	JJ	145	129	89%	122.6	84.6%	69.8	48.1%	62.8	43.3%	69	0.341	23.5	69	17	24.6%	75.4%	not event	
9	38	06/22/05	WC	145	129	89%	55.9	38.6%	72.9	50.3%	38	26.2%	71	0.341	24.2	71	5	7.0%	93.0%	not event	
10A	83	06/22/05	JJ	145	ND	ND	ND	ND	ND	ND	ND	ND	75	0.341	25.6	ND	ND	ND	ND	not event	
10B	83	06/30/05	JJ	145	ND	ND	ND	ND	ND	ND	ND	ND	12	0.311	3.7	ND	ND	ND	ND	not event	
10A+B	83	as above	JJ	145	197	136%	138.1	95.2%	127	87.6%	113.8	78.5%	87	as above	29.3	86	0	0.0%	100.0%	not event	
11	30	08/03/05	JJ	145	123	85%	81.5	56.2%	49.8	34.3%	52.6	36.3%	69	0.341	23.5	69	7	10.1%	89.9%	not event	
12	36	07/20/05	JJ	145	133	92%	52	35.9%	78.2	53.9%	52.3	36.1%	79	0.341	26.9	79	9	11.4%	88.6%	not event	
13	54	07/20/05	WC	145	136	94%	177.8	122.6%	42.1	29.0%	44.1	30.4%	65	0.341	22.2	62	2	3.2%	96.8%	not event	
14	15	08/03/05	JJ	145	117	81%	110.8	76.4%	36.1	24.9%	70.3	48.5%	72	0.341	24.6	72	14	19.4%	80.6%	not event	
15	42	08/17/05	JJ	145	123	85%	156.5	107.9%	60.1	41.4%	43.5	30.0%	70	0.341	23.9	70	10	14.3%	85.7%	not event	
16	29	09/21/05	JJ	145	120	83%	43.4	29.9%	54.3	37.4%	40.7	28.1%	68	0.341	23.2	68	10	14.7%	85.3%	not event	
17	59	09/21/05	JJ	145	122	84%	102.5	70.7%	37.5	25.9%	42.8	29.5%	86	0.341	29.3	86	5	5.8%	94.2%	not event	
18	70	10/26/05	WC	145	155	107%	66.7	46.0%	51.1	35.2%	37.3	25.7%	76	0.289	22.0	76	4	5.3%	94.7%	not event	
19	40	10/26/05	WC	145	144	99%	55.3	38.1%	91.9	63.4%	32.5	22.4%	98	0.289	28.3	98	3	3.1%	96.9%	not event	
20	23	11/21/05	JJ	145	117	81%	136.5	94.1%	53.7	37.0%	38	26.2%	70	0.295	20.7	66	2	3.0%	97.0%	not event	
21	3	11/21/05	JJ	145	100	69%	175.9	121.3%	43.2	29.8%	60.9	42.0%	84	0.295	24.8	84	13	15.5%	84.5%	09/08/10	D90 (DRO) < 80%
22	75	12/14/05	WC	145	170	117%	92.6	63.9%	55.2	38.1%	44.3	30.6%	78	0.313	24.4	78	5	6.4%	93.6%	not event	
23	31	12/14/05	WC	145	168	116%	69.6	48.0%	83.6	57.7%	43.6	30.1%	91	0.313	28.5	91	8	8.8%	91.2%	not event	

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		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
JVAMC Patient Reference Number	DRO Patient Reference Number	Implant Date	Prescribing Physician	Prescribed Dose, PD (Gy)	Edema-corrected D90 (Gy)	Edema-corrected D90 (as % PD)	Rectum D1cc (less ETV) (Gy)	Rectum D1cc (as % PD)	Bladder D1cc (less ETV) (Gy)	Bladder D1cc (as % PD)	NonSpec D2cc (less ETV+10 mm) (Gy)	NonSpec D2cc (as % PD)	No. of Seeds Implanted	mCi/seed	Activity Implanted (mCi)	No. of Seeds Identified	No. of Seeds Identified Outside ETV	% Seeds Identified Outside ETV	% Activity in ETV	Date Medical Event Discovered (mm/dd/yy)	Basis for Medical Event Report to NRC
24	39	01/18/06	JJ	145	145	100%	118.6	81.8%	69.6	48.0%	32.9	22.7%	70	0.400	28.0	70	0	0.0%	100.0%	not event	
25	61	02/01/06	JJ	145	120	83%	132.7	91.5%	35.9	24.8%	40.7	28.1%	80	0.341	27.3	79	2	2.5%	97.5%	not event	
26	64	04/12/06	WC	108	117	108%	79.6	73.7%	54.5	50.5%	39.6	36.7%	71	0.245	17.4	71	5	7.0%	93.0%	not event	
27	24	05/03/06	JJ	150	128	85%	46.2	30.8%	54.6	36.4%	71.2	47.5%	74	0.341	25.2	74	14	18.9%	81.1%	not event	
28	50	05/03/06	JJ	150	140	93%	90.1	60.1%	69	46.0%	71.1	47.4%	89	0.341	30.3	89	5	5.6%	94.4%	not event	
29	74	07/26/06	JJ	145	138	95%	170.2	117.4%	91.9	63.4%	61	42.1%	90	0.266	23.9	90	6	6.7%	93.3%	not event	
30	52	08/02/06	JJ	145	160	110%	122.2	84.3%	72.3	49.9%	38.3	26.4%	89	0.341	30.3	89	0	0.0%	100.0%	not event	
31	28	11/08/06	JJ	145	125	86%	128.7	88.8%	68.8	47.4%	41.7	28.8%	55	0.317	17.4	55	2	3.6%	96.4%	not event	
32	69	12/05/06	JJ	145	96	66%	124.2	85.7%	43.6	30.1%	80	55.2%	96	0.317	30.4	96	19	19.8%	80.2%	09/08/10	D90 (DRO) < 80%
33	79	01/10/07	WC	145	125	86%	100.7	69.4%	107.9	74.4%	43.8	30.2%	73	0.341	24.9	73	8	11.0%	89.0%	not event	
34	9	01/10/07	JJ	145	131	90%	107.6	74.2%	43	29.7%	33.5	23.1%	68	0.341	23.2	68	2	2.9%	97.1%	not event	
35	18	01/31/07	JJ	145	141	97%	131.6	90.8%	53.9	37.2%	65.1	44.9%	75	0.341	25.6	69	11	15.9%	84.1%	not event	
36	43	04/30/07	JJ	145	90	62%	135.8	93.7%	29.4	20.3%	43.2	29.8%	66	0.321	21.2	66	5	7.6%	92.4%	09/08/10	D90 (DRO) < 80%
37	81	05/07/07	JJ	145	128	88%	93	64.1%	75.5	52.1%	202.5	139.7%	77	0.378	29.1	75	6	8.0%	92.0%	not event	
38	11	05/09/07	WC	145	123	85%	102.3	70.6%	86.9	59.9%	41.3	28.5%	94	0.369	34.7	94	3	3.2%	96.8%	not event	
39	4	05/09/07	WC	145	177	122%	115	79.3%	73.5	50.7%	36.2	25.0%	76	0.341	25.9	76	1	1.3%	98.7%	not event	
40	33	05/14/07	WC	145	125	86%	126.6	87.3%	44.2	30.5%	40.2	27.7%	72	0.349	25.1	72	1	1.4%	98.6%	not event	
41	58	05/23/07	WC	145	112	77%	157.9	108.9%	71.1	49.0%	65	44.8%	91	0.369	33.6	91	12	13.2%	86.8%	09/08/10	D90 (DRO) < 80%
42	12	05/31/07	WC	145	136	94%	177.5	122.4%	56.4	38.9%	48.8	33.7%	92	0.337	31.0	92	10	10.9%	89.1%	not event	
43	68	05/31/07	JJ	145	91	63%	108.4	74.8%	50	34.5%	73.5	50.7%	70	0.337	23.6	70	12	17.1%	82.9%	09/08/10	D90 (DRO) < 80%
44	8	06/04/07	WC	145	120	83%	189.4	130.6%	36.3	25.0%	64.3	44.3%	78	0.349	27.2	78	14	17.9%	82.1%	not event	
45	34	06/07/07	WC	145	122	84%	117	80.7%	33.7	23.2%	114.8	79.2%	88	0.365	32.1	88	19	21.6%	78.4%	not event	
46	6	06/11/07	WC	145	65	45%	81.7	56.3%	30.4	21.0%	138.2	95.3%	68	0.349	23.7	68	20	29.4%	70.6%	09/08/10	D90 (DRO) < 80%
47	16	06/25/07	WC	145	138	95%	100.5	69.3%	44.4	30.6%	47.8	33.0%	80	0.409	32.7	80	5	6.3%	93.8%	not event	
48	56	07/20/07	JJ	145	135	93%	162.3	111.9%	99	68.3%	69.1	47.7%	96	0.424	40.7	96	7	7.3%	92.7%	not event	

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JVAMC Patient Reference Number	DRO Patient Reference Number	Implant Date	Prescribing Physician	Prescribed Dose, PD (Gy)	Edema-corrected D90 (Gy)	Edema-corrected D90 (as % PD)	Rectum D1cc (less ETV) (Gy)	Rectum D1cc (as % PD)	Bladder D1cc (less ETV) (Gy)	Bladder D1cc (as % PD)	NonSpec D2cc (less ETV+10 mm) (Gy)	NonSpec D2cc (as % PD)	No. of Seeds Implanted	mCi/seed	Activity Implanted (mCi)	No. of Seeds Identified	No. of Seeds Identified Outside ETV	% Seeds Identified Outside ETV	% Activity in ETV	Date Medical Event Discovered (mm/dd/yy)	Basis for Medical Event Report to NRC
49	57	07/20/07	JJ	145	132	91%	129.4	89.2%	50.1	34.6%	62.3	43.0%	72	0.424	30.5	72	12	16.7%	83.3%	not event	
50	19	08/06/07	JJ	145	120	83%	148.6	102.5%	54.3	37.4%	50.9	35.1%	83	0.349	29.0	83	10	12.0%	88.0%	not event	
51	32	08/20/07	JJ	145	177	122%	110.5	76.2%	52	35.9%	54.2	37.4%	82	0.341	28.0	82	6	7.3%	92.7%	not event	
52	67	10/15/07	JJ	145	142	98%	101.6	70.1%	71.4	49.2%	41.8	28.8%	61	0.377	23.0	61	6	9.8%	90.2%	not event	
53	80	10/29/07	WC	145	116	80%	137.4	94.8%	48.1	33.2%	55.7	38.4%	77	0.377	29.0	77	4	5.2%	94.8%	not event	
54	63	10/31/07	WC	145	129	89%	117.2	80.8%	98.8	68.1%	56.8	39.2%	84	0.369	31.0	84	11	13.1%	86.9%	not event	
55	53	10/31/07	JJ	145	144	99%	124.8	86.1%	57.1	39.4%	47.4	32.7%	83	0.341	28.3	83	6	7.2%	92.8%	not event	
56	22	10/31/07	JJ	145	88	61%	164.5	113.4%	43	29.7%	63.8	44.0%	82	0.369	30.3	82	7	8.5%	91.5%	12/16/08	D90 (Jackson & DRO) < 80%
57	51	11/05/07	JJ	145	126	87%	178.8	123.3%	106.6	73.5%	63.3	43.7%	89	0.377	33.6	89	10	11.2%	88.8%	not event	
58	47	11/05/07	JJ	145	126	87%	125.8	86.8%	45.8	31.6%	44.5	30.7%	73	0.378	27.6	73	3	4.1%	95.9%	not event	
59	60	11/19/07	JJ	145	144	99%	125.2	86.3%	60.7	41.9%	70.3	48.5%	86	0.378	32.5	84	11	13.1%	86.9%	not event	
60	72	11/19/07	JJ	145	139	96%	133.5	92.1%	78.9	54.4%	46.4	32.0%	74	0.378	28.0	74	3	4.1%	95.9%	not event	
61	10	12/03/07	JJ	145	129	89%	118.6	81.8%	36.6	25.2%	46.3	31.9%	77	0.378	29.1	77	4	5.2%	94.8%	not event	
62	66	12/03/07	WC	145	154	106%	173.7	119.8%	69	47.6%	62.2	42.9%	90	0.378	34.0	90	3	3.3%	96.7%	not event	
63	45	12/10/07	JJ	145	138	95%	120.5	83.1%	39.6	27.3%	43.7	30.1%	65	0.378	24.6	63	3	4.8%	95.2%	not event	
64	73	12/17/07	WC	145	160	110%	176.3	121.6%	113.4	78.2%	43.7	30.1%	107	0.378	40.4	107	4	3.7%	96.3%	not event	
65	48	12/17/07	WC	145	160	110%	183.3	126.4%	44.7	30.8%	77.8	53.7%	83	0.378	31.4	83	12	14.5%	85.5%	not event	
66	14	01/07/08	WC	145	170	117%	146.5	101.0%	43.6	30.1%	46.9	32.3%	79	0.378	29.9	79	4	5.1%	94.9%	not event	
67	46	01/07/08	JJ	145	122	84%	144.5	99.7%	61.2	42.2%	79.3	54.7%	92	0.378	34.8	92	15	16.3%	83.7%	not event	
68	7	01/14/08	JJ	145	132	91%	214.8	148.1%	41.3	28.5%	66.8	46.1%	89	0.378	33.6	89	4	4.5%	95.5%	not event	
69	49	01/14/08	JJ	145	167	115%	127.5	87.9%	50.5	34.8%	33.8	23.3%	76	0.378	28.7	76	0	0.0%	100.0%	not event	
70	5	01/28/08	JJ	145	152	105%	135.3	93.3%	57.9	39.9%	38.7	26.7%	74	0.378	28.0	74	0	0.0%	100.0%	not event	
71	26	01/28/08	WC	145	96	66%	131.6	90.8%	35.2	24.3%	58.3	40.2%	73	0.378	27.6	73	8	11.0%	89.0%	09/08/10	D90 (DRO) < 80%

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		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
JVAMC Patient Reference Number	DRO Patient Reference Number	Implant Date	Prescribing Physician	Prescribed Dose, PD (Gy)	Edema-corrected D90 (Gy)	Edema-corrected D90 (as % PD)	Rectum D1cc (less ETV) (Gy)	Rectum D1cc (as % PD)	Bladder D1cc (less ETV) (Gy)	Bladder D1cc (as % PD)	NonSpec D2cc (less ETV+10 mm) (Gy)	NonSpec D2cc (as % PD)	No. of Seeds Implanted	mCi/seed	Activity Implanted (mCi)	No. of Seeds Identified	No. of Seeds Identified Outside ETV	% Seeds Identified Outside ETV	% Activity in ETV	Date Medical Event Discovered (mm/dd/yy)	Basis for Medical Event Report to NRC
72	88	02/05/08	WC	145	120	83%	64.6	44.6%	51.4	35.4%	95.1	65.6%	78	0.373	29.1	73	9	12.3%	87.7%	09/25/08	D90 (Seattle) \leq 80%; Final DRO results do not indicate a medical event.
73	86	02/25/08	JJ	145	110	76%	167	115.2%	51.7	35.7%	102	70.3%	79	0.378	29.9	79	10	12.7%	87.3%	09/25/08	D90 (Seattle & DRO) \leq 80%
74	89	02/25/08	WC	145	126	87%	104	71.7%	53.5	36.9%	129	89.0%	80	0.378	30.2	80	1	1.3%	98.8%	09/25/08	D90 (Seattle) \leq 80%; Final DRO results do not indicate a medical event.
75	82	03/10/08	WC	145	142	98%	122.3	84.3%	130	89.7%	55.2	38.1%	100	0.378	37.8	100	7	7.0%	93.0%	not event	
76	92	03/24/08	JJ	145	135	93%	116.8	80.6%	176.7	121.9%	145	100.0%	87	0.378	32.9	87	9	10.3%	89.7%	not event	
77	90	03/24/08	JJ	145	81	56%	108.9	75.1%	33.2	22.9%	130.9	90.3%	94	0.378	35.5	94	12	12.8%	87.2%	09/25/08	D90 (Seattle & DRO) \leq 80%
78	87	04/07/08	JJ	145	145	100%	116.8	80.6%	46.1	31.8%	128.4	88.6%	79	0.378	29.9	79	13	16.5%	83.5%	09/25/08	D90 (Seattle) \leq 80%; Final DRO results do not indicate a medical event.
79	85	04/07/08	WC	145	103	71%	106.2	73.2%	34.6	23.9%	161.8	111.6%	57	0.378	21.5	57	1	1.8%	98.2%	09/25/08	D90 (Seattle & DRO) \leq 80%
80	91	04/14/08	WC	145	186	128%	66.2	45.7%	91.3	63.0%	121.7	83.9%	81	0.378	30.6	81	4	4.9%	95.1%	not event	
81	84	04/14/08	WC	145	139	96%	103.6	71.4%	52.12	35.9%	187	129.0%	84	0.378	31.8	84	14	16.7%	83.3%	09/25/08	D90 (Seattle) \leq 80%; Final DRO results do not indicate a medical event.
82	20	06/02/08	WC	145	161	111%	82.8	57.1%	67.9	46.8%	79.3	54.7%	70	0.378	26.5	69	5	7.2%	92.8%	not event	
83	27	06/23/08	JJ	145	93	64%	119.4	82.3%	49.1	33.9%	114	78.6%	85	0.378	32.1	85	20	23.5%	76.5%	09/08/10	D90 (DRO) \leq 80%
84	76	06/25/08	WC	145	200	138%	150.3	103.7%	83.9	57.9%	38.9	26.8%	86	0.369	31.7	86	2	2.3%	97.7%	not event	
85	71	07/08/08	WC	145	171	118%	110.4	76.1%	100.7	69.4%	35.6	24.6%	82	0.373	30.6	82	1	1.2%	98.8%	not event	
86	25	07/07/08	JJ	145	90	62%	192.8	133.0%	33.8	23.3%	103.3	71.2%	96	0.378	36.3	96	17	17.7%	82.3%	09/08/10	D90 (DRO) \leq 80%
87	2	08/04/08	WC	145	149	103%	120.5	83.1%	75.8	52.3%	45.1	31.1%	94	0.378	35.5	94	1	1.1%	98.9%	not event	

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1	2	From JVAMC Written Directive			From DRO-Coordinated External Review								From JVAMC Written Directive			From DRO-Coordinated External Review				21	22
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
JVAMC Patient Reference Number	DRO Patient Reference Number	Implant Date	Prescribing Physician	Prescribed Dose, PD (Gy)	Edema-corrected D90 (Gy)	Edema-corrected D90 (as % PD)	Rectum D1cc (less ETV) (Gy)	Rectum D1cc (as % PD)	Bladder D1cc (less ETV) (Gy)	Bladder D1cc (as % PD)	NonSpec D2cc (less ETV+10 mm) (Gy)	NonSpec D2cc (as % PD)	No. of Seeds Implanted	mCi/seed	Activity Implanted (mCi)	No. of Seeds Identified	No. of Seeds Identified Outside ETV	% Seeds Identified Outside ETV	% Activity in ETV	Date Medical Event Discovered (mm/dd/yy)	Basis for Medical Event Report to NRC
88	1	08/04/08	JJ	145	151	104%	233.2	160.8%	57	39.3%	69.5	47.9%	104	0.378	39.3	104	16	15.4%	84.6%	09/08/10	D1cc rectum (DRO) >150%
89	35	08/11/08	WC	145	126	87%	126.4	87.2%	51.6	35.6%	84.1	58.0%	79	0.378	29.9	79	14	17.7%	82.3%	not event	
90	37	08/11/08	WC	145	158	109%	208.9	144.1%	47.2	32.6%	68.9	47.5%	87	0.378	32.9	86	13	15.1%	84.9%	not event	
91	41	08/25/08	WC	145	165	114%	138.2	95.3%	73.5	50.7%	39.5	27.2%	82	0.378	31.0	82	1	1.2%	98.8%	not event	
92	78	08/25/08	JJ	145	88	61%	145.2	100.1%	42.3	29.2%	70.2	48.4%	77	0.378	29.1	77	9	11.7%	88.3%	10/30/08	D90 (Jackson & DRO) < 80%

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Notes

DRO	Director, VHA National Radiation Oncology Program
ETV	Estimated Treatment Volume (tissue volume intended to be treated per the pre-plan and associated notes.
JVAMC	G.V. (Sonny) Montgomery VA Medical Center, Jackson, Mississippi
ND	Not Determined (JVAMC Patient Ref. No.10 had two implants, denoted as A and B. DRO review of dose and seed information was limited to the combined implant, denoted as A+B. For the first implant, denoted as 10A, JVAMC estimated a D90 of 77.1% of prescribed dose on 6/22/05; Seattle estimated a D90 of 80.04% on 2/19/09.
PD	Prescribed Dose (per written directive)
Seattle	VA Puget Sound Health Care System, Seattle, Washington: As historical information, staff at Seattle assessed post-implant D90s for JVAMC patient reference numbers 10A, 10A+B, and 72-81 (this assessment preceded the DRO-coordinated review). Based on the Seattle D90s, seven of the treatments were identified by NHPP to NRC on 9/25/2008 as possible medical events. In an e-mail dated 6/28/2010, NHPP (T. Huston) provided NRC (D. Wiedeman, C. Frazier) the Seattle D90s for these seven cases with the caveat that "Additional assessments of the treatments at Jackson are ongoing, and the possibility for revised D90 values exists." The DRO-coordinated review provided revised D90 values which supercede the Seattle D90s. The Seattle D90 values for these seven cases were again provided in Enclosure 2 (column labeled "Uncorrected D90") of NHPP letter dated September 22, 2010, to NRC (15-day written report for medical events reported 9/9/2010). The edema-corrected DRO D90 values were also provided in Enclosure 2 of that letter (column labeled "Edema-Corrected D90"). A noteworthy finding is that 4 of the 7 earlier cases reported as medical events on basis of Seattle D90s are no longer medical events based on the edema-corrected DRO D90s.
red	highlight represents an implant reported as a medical event on 9/8/2010 based on DRO-coordinated review.
orange	highlight represents an implant reported as medical event at an earlier date based on low D90 from either Jackson or Seattle reviews but also confirmed as a low D90 medical event by DRO-coordinated review.
green	highlight represents an implant reported as a medical event at an earlier date based on low D90 from Seattle review but not confirmed as a low D90 by DRO-coordinated review. Seattle reviewed 10 cases. DRO-review corrected for edema effects; and D90 is concluded to be decisive. Event might be considered for retraction at future date.

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Column	Description
1	JVAMC Patient Reference Number: reference number assigned by JVAMC based on treatment date.
2	DRO Patient Reference Number: reference number assigned by DRO for dose reviews.
3	Implant Date: date seeds were implanted in patient
4	Prescribing Physicians: WC = Dr. Wayne Chan; JJ = Dr. Jaisiri Jaiwatana
5	Prescribed Dose, PD (Gy): 145 Gy for most cases; 108 Gy for JVAMC ref no. 26; 150 for ref nos. 27 and 28.
6	Edema-corrected D90 (Gy): Absorbed dose received by 90% of estimated treatment volume from DRO-coordinated external review. Includes patient-specific corrections for post-implant volume as referenced to preplan volume.
7	Edema-corrected D90 (as % PD): $[D90 \text{ (Gy) in Column 6} / \text{Prescribed Dose}] \times 100\%$
8	Rectum D1cc (less ETV) (Gy): Absorbed dose to highest 1 cc in the rectum but not including any parts of the rectum included in the estimated treatment volume. The 1 cc volume is a combination of those volume elements (voxels) in the post-plan receiving the highest doses and is not necessarily contiguous.
9	Rectum D1cc (as % PD): $[D1cc \text{ (Gy) in Column 8} / \text{Prescribed Dose}] \times 100\%$
10	Bladder D1cc (less ETV) (Gy): Absorbed dose to highest 1 cc of the uninvolved bladder wall (i.e., does not include any parts of bladder included in the estimated treatment volume). The 1 cc volume is the combination of volume elements (voxels) in the post-plan receiving the highest doses and is not necessarily contiguous.
11	Bladder D1cc (as % PD): $[D1cc \text{ (Gy) in Column 10} / \text{Prescribed Dose}] \times 100\%$
12	NonSpec D2cc (less ETV+10 mm) (Gy): Absorbed dose to highest 2 cc in other non-specified peri-prostatic tissues excluding the rectum, bladder wall, ETV, and a 10 mm margin around the ETV. The 2 cc volume is the combination of volume elements (voxels) in the post-plan receiving the highest doses and is not necessarily contiguous.
13	NonSpec D2cc (as % PD): $[D2cc \text{ (Gy) in Column 12} / \text{Prescribed Dose}] \times 100\%$
14	No. of Seeds Implanted: Number of seeds implanted based on part 2 of JVAMC written directive.
15	mCi/seed: Activity per seed in mCi based on JVAMC written directive.
16	Activity Implanted (mCi): Column 14 x Column 15
17	No. of Seeds Identified: Total number of seeds identified in patient from DRO-coordinated review of post-implant images.
18	No. of Seeds Identified Outside ETV: Number of seeds identified as outside ETV in DRO-coordinated review.
19	% Seeds Identified Outside ETV: $[\text{Column 18} / \text{Column 17}] \times 100\%$
20	% Activity in ETV: $100\% - \text{Column 19}$
21	Date Medical Event Discovered by JVAMC (mm/dd/yy)
22	Basis for Medical Event Report to NRC

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Additional Information Related to Enclosure 2 to NHPP Letter dated September 22, 2010:

For Section II of the summary table in Enclosure 2, the previous D90 (Gy) values are as follows:

Patient Reference (NRC Notification Date)	JVAMC Patient Reference # (DRO Ref #)	Previous D90*, in Gy	% of Prescribed Dose**
11 (9/9/2010)	1 (55)	122.5	84.5%
12 (9/9/2010)	21 (3)	118.2	81.5%
13 (9/9/2010)	32 (69)	120.6	83.2%
14 (9/9/2010)	36 (43)	138.6	95.6%
15 (9/9/2010)	41 (58)	143.6	99.0%
16 (9/9/2010)	43 (68)	120.8	83.3%
17 (9/9/2010)	46 (6)	118.5	81.7%
18 (9/9/2010)	71 (26)	128.0	88.3%
19 (9/9/2010)	83 (27)	130.5	90.0%
20 (9/9/2010)	86 (25)	143.3	98.8%
21 (9/9/2010)	88 (1)	162.4	112.0%

* Previous D90s were the best-available values prior to the DRO-coordinated assessment. These previous values were determined by JVAMC. They have been superceded by the DRO-coordinated assessment.

**Prescribed Dose = 145 Gy for all cases.