



Patient name	ARABALES, VERONICA	
Patient ID	31249812	
Birth date	07 Sep 1984	Sex Female
Case	FX3	
Case saved	23 Dec 2019 12:15:02 by aalvarez	
Plan	FX3	
Printed	23 Dec 2019 12:15:51 by sbianchini	
Approved	23 Dec 2019 12:15:00 by aalvarez	
Time zone	Argentina Standard Time (UTC-3:00)	
Plan code	F1B5	

Treatment Printout

Treatment Unit

Treatment unit name: Flexiton Co60

Treatment unit type: Flexitron HDR 60-Co

Source: Flexisource 60-Co

Isotope: Co-60

Air kerma rate constant (cGy cm²/ h / mCi): 11.318

Calibration data

Calibration date/time: 07 Dec 2018 12:00:00

Reference air kerma rate (mGy m²/h): 21.53000

Apparent source activity (Ci): 1.90223

Treatment data

Treatment date/time: 23 Dec 2019 11:45:23

Reference air kerma rate (mGy m²/h): 18.76986

Apparent source activity (Ci): 1.65836

Interval between calibration date and time,
and treatment date and time (days): 380.99

Decay factor: 0.8718



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Dose Normalization, Optimization and Prescription

Normalization type: Applicator points

F Factor: 1.000

Optimization type: Manual dwell weights / times

Optimization notification: Manually adjusted dwell weights / times.

Prescription dose per fraction/pulse (Gy): 6.0000

Total Reference Air Kerma per fraction/pulse at 1 m (Gy): 0.00404

Number of fractions: 1

All dose values are calculated according to the
AAPM TG-43 formalism: D (TG43)

Source Positions

Catheter (channel)	Name	Channel length (indexer length)	300	295	290	285	280	275	270	265	260	255 (pos)
1 (1)		130.00 (cm)	A.....	A.....	A.....	A.....					
2 (3)		130.00 (cm)	A.....	A.....	A.....	A.....					
3 (5)		130.00 (cm)	A.....	A.....	A.....	A.....	A.....	A.....	A.....	A.....	A.....	A.....
			30.0	29.5	29.0	28.5	28.0	27.5	27.0	26.5	26.0	25.5 (cm)

Source position separation (cm): 0.10

Catheter (channel) Times

Catheter (channel)	Name	# Active positions	Channel time (sec.)
1 (1)	(Manual)	4	153.1
2 (3)	(Manual)	4	150.3
3 (5)	(Manual)	10	471.6



Oncentra Brachy
4.5.3
[4.5.3.30]

Signed for approval

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Total Treatment Time

Total treatment time (sec.): 775.0

% of total time given extra due to rounding off (%): 0.0



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Source Coordinates and Times

Catheter 1 (channel 1) -

Offset (cm): 0.00

Position	X (cm)	Y (cm)	Z (cm)	Dwell weight	Dwell time (sec.)
295	-1.72	1.22	2.82	0.22	16.4
290	-1.69	0.83	3.13	0.40	29.7
285	-1.65	0.37	3.31	0.72	53.5
280	-1.61	-0.10	3.49	0.72	53.5

Catheter 2 (channel 3) -

Offset (cm): 0.00

Position	X (cm)	Y (cm)	Z (cm)	Dwell weight	Dwell time (sec.)
295	0.75	1.08	2.41	0.22	16.4
290	0.75	0.70	2.73	0.40	29.7
285	0.75	0.25	2.94	0.70	52.1
280	0.74	-0.20	3.15	0.70	52.1

Catheter 3 (channel 5) -

Offset (cm): 0.00

Position	X (cm)	Y (cm)	Z (cm)	Dwell weight	Dwell time (sec.)
300	0.09	4.80	5.79	1.00	74.4
295	0.03	4.41	5.48	0.92	68.4
290	-0.03	4.02	5.18	0.84	62.5
285	-0.10	3.62	4.87	0.76	56.5
280	-0.16	3.23	4.57	0.68	50.6
275	-0.22	2.84	4.26	0.61	45.4
270	-0.29	2.45	3.96	0.54	40.2
265	-0.35	2.06	3.65	0.48	35.7
260	-0.41	1.67	3.35	0.39	29.0
255	-0.47	1.27	3.05	0.12	8.9



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Patient Points

Set Name: Patient

Coordinate System: Patient

Name	X (cm)	Y (cm)	Z (cm)	Abs. Dose (Gy)	Rel. Dose (%)	Reconst. Shift (cm)
Vejiga	-0.89	-1.56	5.05	3.0533	50.89	0.01
Recto	-0.50	2.02	1.14	4.2588	70.98	0.01

Applicator Points

Set Name: Applicator

Coordinate System: Applicator

Name	X (cm)	Y (cm)	Z (cm)	Norm. Dose (%)	Abs. Dose (Gy)	Rel. Dose (%)
A1	2.00	2.00	0.00	100.00	6.0202	100.34
A2	-2.00	2.00	0.00	100.00	5.9798	99.66

Projective Image-based Catheters Reconstruction

Reconstruction method: Tracking from tip end

Maximum segment error allowed (cm): 0.25

Catheter 1 -

Point	X (cm)	Y (cm)	Z (cm)	Catheter shift (cm)
1	-1.75	1.60	2.50	0.03
2	-1.70	0.87	3.11	
3	-1.61	-0.06	3.48	
4	-1.66	-0.99	3.59	
5	-1.78	-2.96	3.36	



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Projective Image-based Catheters Reconstruction (continued)

Catheter 2 -

Point	X (cm)	Y (cm)	Z (cm)	Catheter shift (cm)
1	0.75	1.46	2.08	0.04
2	0.75	0.69	2.75	
3	0.74	-0.20	3.15	
4	0.66	-1.16	3.26	
5	0.55	-3.14	3.08	

Catheter 3 -

Point	X (cm)	Y (cm)	Z (cm)	Catheter shift (cm)
1	0.09	4.80	5.79	0.07
2	-0.42	1.64	3.32	
3	-0.64	0.06	2.17	
4	-0.74	-0.78	1.69	
5	-0.85	-1.68	1.30	
6	-0.89	-2.65	1.03	
7	-0.93	-3.61	0.90	