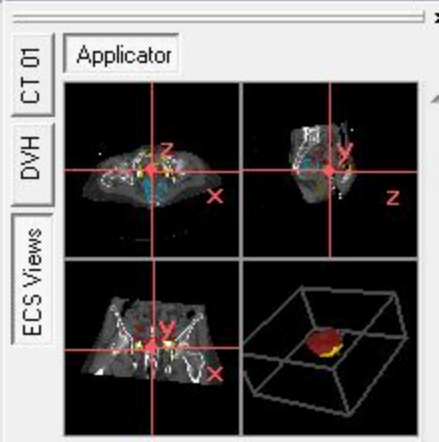
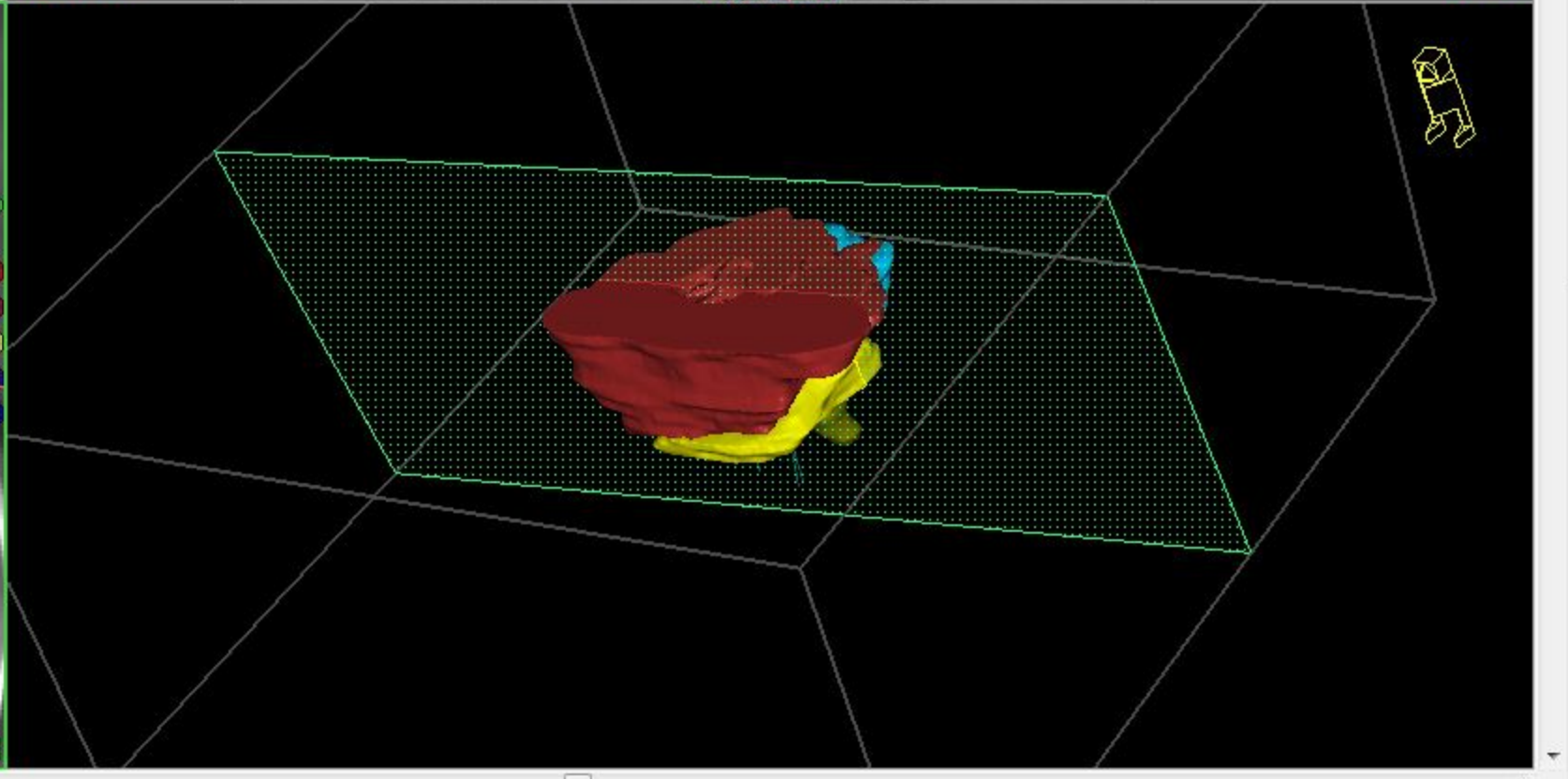
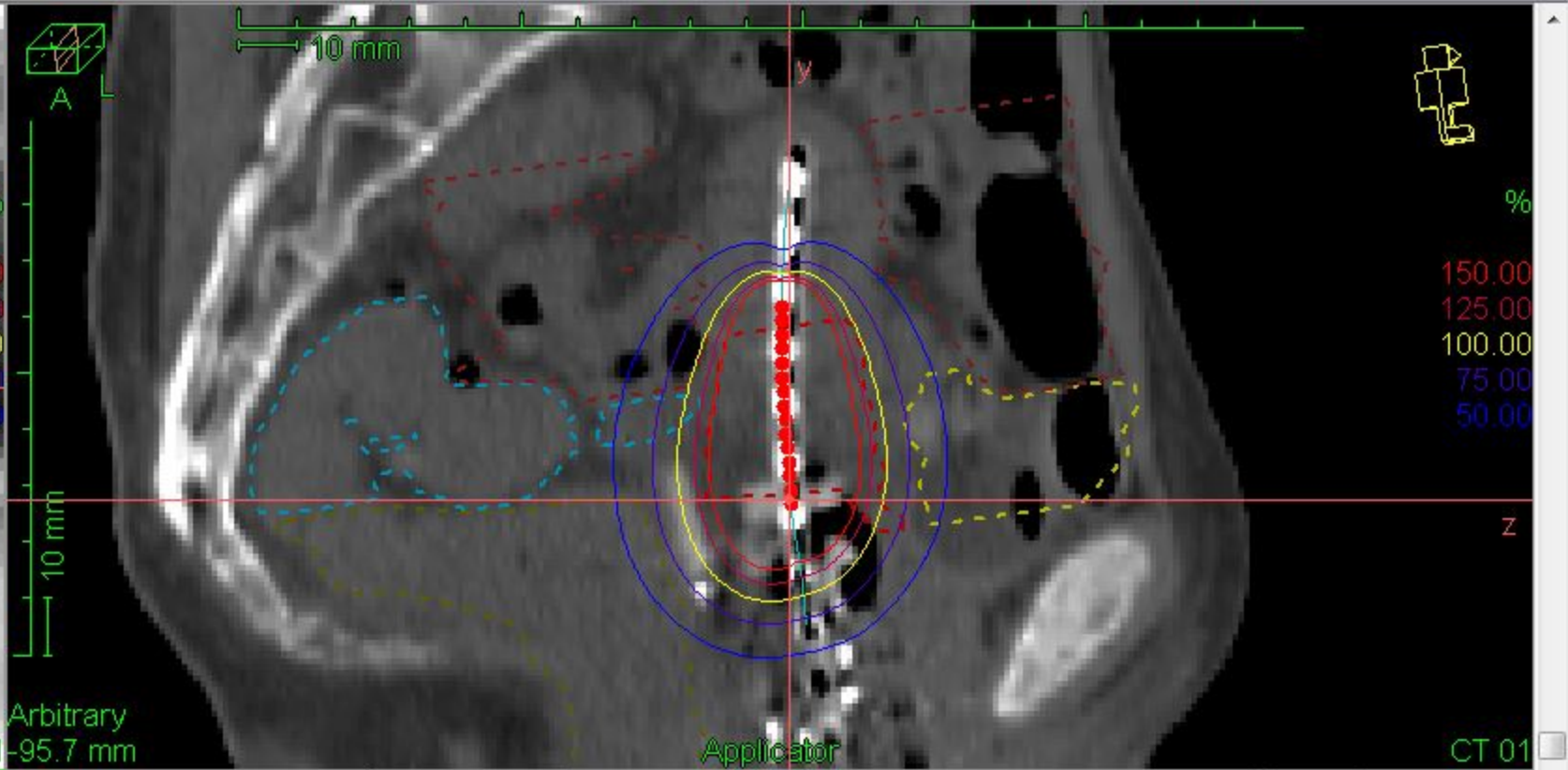
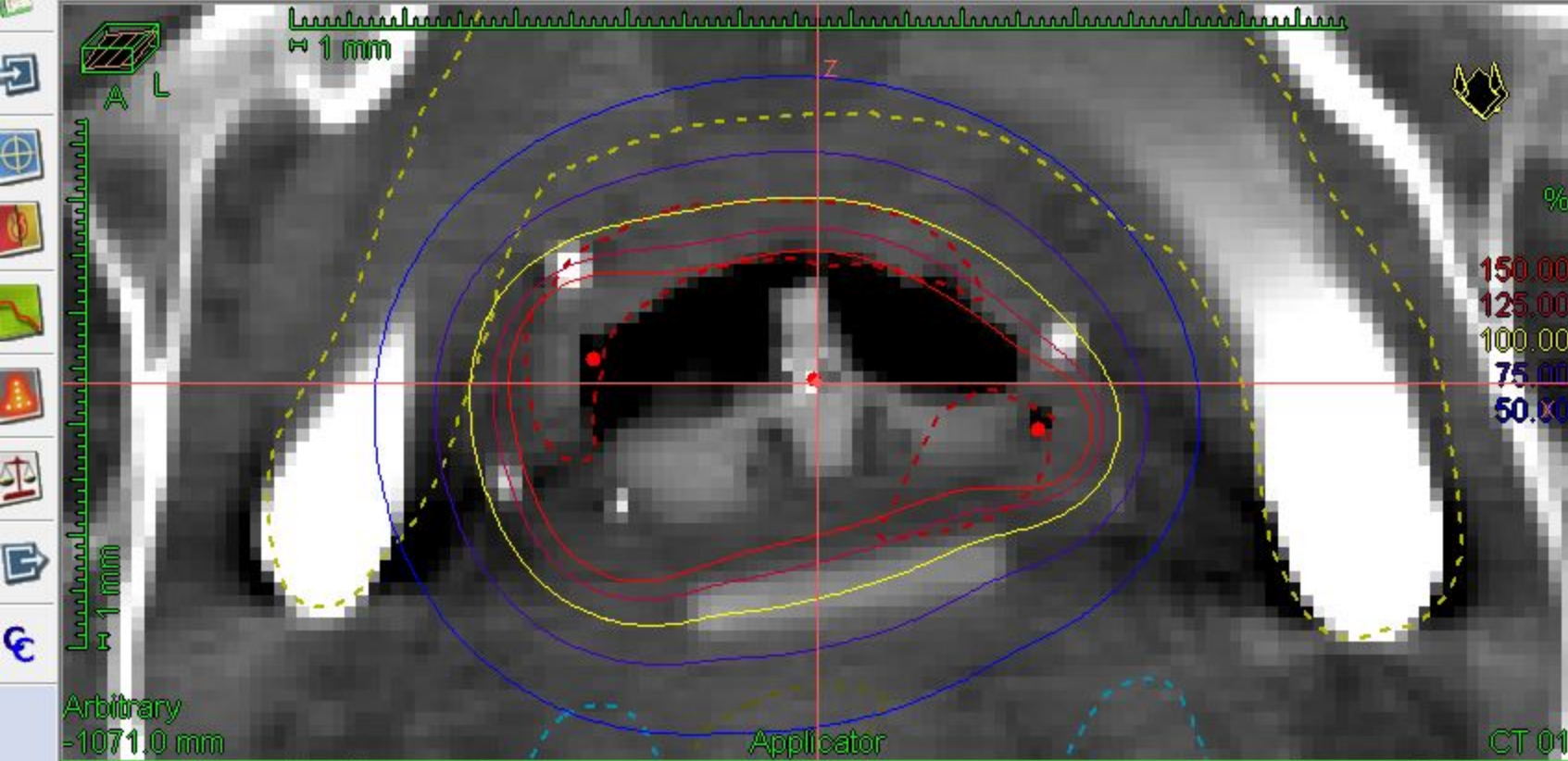


Treatment plan with embedded errors

Example of poor documentation



+ Projective setup -> Applicator Placement Catheter Reconstruction Activation Normalization Optimization Prescription Activity gadget Notification



Current point Reconstructed slice < >

Reset Apply to all

Center and width

Center 179

Width 788

Apply to all

Gray

Add to database Delete current

Patient name	AAPM, SPRING	
Patient ID	AAPM2018	
Birth date	12 Oct 1983	Sex Female
Case	RT^PELVIS (Adult)	
Plan	Brachy plan	
Saved	Printed case not saved	
Printed	02 Apr 2018 17:45:14 by physics	
Time zone	Eastern Standard Time (UTC-5:00), Eastern Daylight Time	

SCCC Radiation Oncology

Treatment Unit

Treatment unit name: sccc2011
 Treatment unit type: microSelectron v3
 Source: 192-Ir-mHDR-v2
 Isotope: Ir-192

Air kerma rate constant (cGy cm²/ h / mCi): 4.082

Calibration data

Calibration date/time: 28 Feb 2018 16:30:00
 Air kerma strength (cGy cm²/h): 45321.00
 Apparent source activity (Ci): 11.10265

Treatment data

Treatment date/time: 19 Mar 2018 11:11:46
 Air kerma strength (cGy cm²/h): 38010.27
 Apparent source activity (Ci): 9.31168
 Interval between calibration date and time,
 and treatment date and time (days): 18.74
 Decay factor: 0.8387

Dose Normalization, Optimization and Prescription

Normalization type: Normalized manual
 F Factor: 1.000
 Optimization type: Graphical
 Prescription dose per fraction/pulse (cGy): 7.00
 Total Reference Air Kerma per fraction/pulse at 1 m (cGy): 0.004
 Number of fractions: 1

Applicator Model

None

Patient name	AAPM, SPRING	
Patient ID	AAPM2018	
Birth date	12 Oct 1983	Sex Female
Case	RT^PELVIS (Adult)	
Plan	Brachy plan	
Saved	Printed case not saved	
Printed	02 Apr 2018 17:45:14 by physics	
Time zone	Eastern Standard Time (UTC-5:00), Eastern Daylight Time	

SCCC Radiation Oncology

Source Positions

Catheter (channel)	Name	Channel length (indexer length)	1	5	9	13	17	21	25	29	33 (pos)
1 (1)	Rt Ovo...	1500.0 (mm)	AAAA								
2 (2)	Lt Ovo...	1500.0 (mm)	AAAA								
3 (3)	Needle...	1240.0 (mm)	.AAA								
4 (4)	Needle...	1240.0 (mm)	. .A								
5 (5)	Needle...	1240.0 (mm)	A .AA								
6 (6)	Needle...	1240.0 (mm)	A								
7 (7)	Tandem	1500.0 (mm)	AAAAAAAAAAAAAAAA								
			0	10	20	30	40	50	60	70	80 (mm)

Source position separation (mm): 2.5

Catheter (channel) Times

Catheter (channel)	Name	# Active positions	Channel time (sec.)
1 (1)	Rt Ovoid (Manual)	4	0.4
2 (2)	Lt Ovoid (Manual)	4	0.4
3 (3)	Needle 1 (Manual)	3	0.3
4 (4)	Needle 2 (Manual)	1	0.1
5 (5)	Needle 3 (Manual)	3	0.3
6 (6)	Needle 4 (Manual)	1	0.1
7 (7)	Tandem (Manual)	15	1.7

Total Treatment Time

Total treatment time (sec.): 3.3

% of total time given extra due to rounding off (%): 0.4

Source Coordinates and Times

Catheter 1 (channel 1) - Rt Ovoid

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
1	32.8	-1118.1	194.5	1.32	0.1
2	32.6	-1119.5	196.6	1.33	0.1

Continued

Patient name	AAPM, SPRING	
Patient ID	AAPM2018	
Birth date	12 Oct 1983	Sex Female
Case	RT^PELVIS (Adult)	
Plan	Brachy plan	
Saved	Printed case not saved	
Printed	02 Apr 2018 17:45:14 by physics	
Time zone	Eastern Standard Time (UTC-5:00), Eastern Daylight Time	

SCCC Radiation Oncology

Source Coordinates and Times (continued)

Catheter 1 (channel 1) - Rt Ovoid

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
3	32.5	-1120.9	198.7	1.35	0.1
4	32.3	-1122.2	200.8	1.37	0.1

Catheter 2 (channel 2) - Lt Ovoid

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
1	7.9	-1119.4	192.2	1.33	0.1
2	7.7	-1120.8	194.2	1.33	0.1
3	7.6	-1122.1	196.3	1.33	0.1
4	7.4	-1123.5	198.4	1.34	0.1

Catheter 3 (channel 3) - Needle 1

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
2	1.2	-1103.5	191.2	1.33	0.1
3	1.4	-1106.0	191.1	1.33	0.1
4	1.5	-1108.5	190.9	1.33	0.1

Catheter 4 (channel 4) - Needle 2

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
3	0.7	-1110.2	196.9	1.33	0.1

Catheter 5 (channel 5) - Needle 3

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
1	-0.4	-1106.9	203.5	1.42	0.1
3	-0.1	-1111.9	203.6	1.34	0.1
4	0.0	-1114.4	203.6	1.34	0.1

Patient name	AAPM, SPRING		
Patient ID	AAPM2018		
Birth date	12 Oct 1983	Sex	Female
Case	RT^PELVIS (Adult)		
Plan	Brachy plan		
Saved	Printed case not saved		
Printed	02 Apr 2018 17:45:14 by physics		
Time zone	Eastern Standard Time (UTC-5:00), Eastern Daylight Time		

SCCC Radiation Oncology

Source Coordinates and Times (continued)

Catheter 6 (channel 6) - Needle 4

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
1	39.1	-1105.6	195.0	1.30	0.1

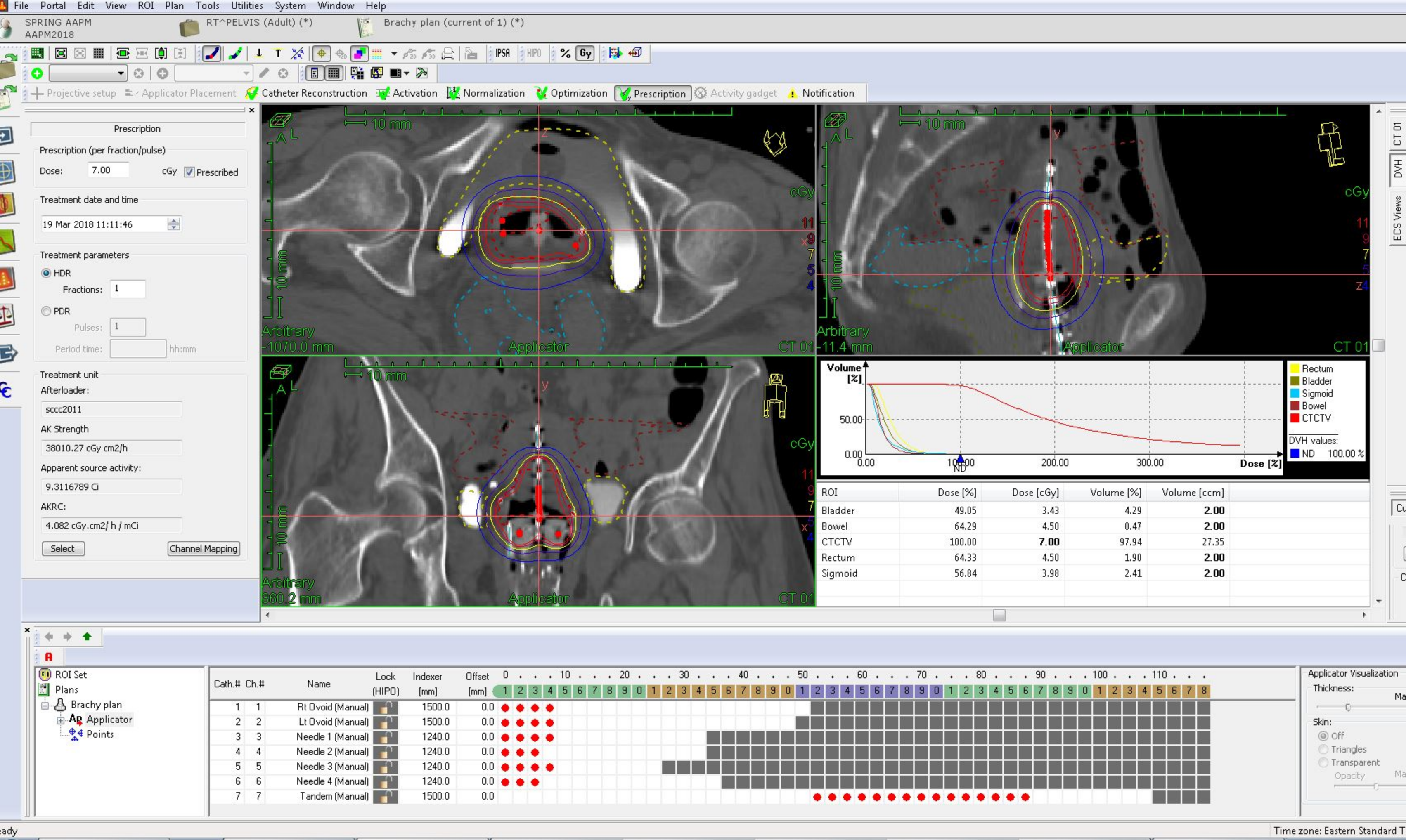
Catheter 7 (channel 7) - Tandem

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
22	19.5	-1113.0	200.4	2.04	0.2
23	19.3	-1110.5	200.6	2.00	0.2
24	19.1	-1108.0	200.8	1.82	0.1
25	19.0	-1105.5	201.0	1.62	0.1
26	18.8	-1103.1	201.1	1.45	0.1
27	18.7	-1100.6	201.2	1.35	0.1
28	18.5	-1098.1	201.3	1.31	0.1
29	18.4	-1095.6	201.5	1.30	0.1
30	18.2	-1093.1	201.7	1.31	0.1
31	18.0	-1090.6	202.0	1.31	0.1
32	17.8	-1088.1	202.3	1.32	0.1
33	17.6	-1085.7	202.5	1.32	0.1
34	17.4	-1083.2	202.9	1.32	0.1
35	17.2	-1080.7	203.3	1.32	0.1
36	16.9	-1078.3	203.7	1.32	0.1

Treatment plan with embedded errors

Example of good documentation



Directory: D:\OTP_DATA\DICOM\INCOMING

Browse...

Refresh

☐ Part10 files only☒ Use DICOMDIR☒ Recursive subdirectories

#DICOM files: 9651

#Files browsed: 9653

DICOM data

Delete

Merge series

Dump

View

Patients

- AAPM^SPRING [ID=AAPM2018]
 - Study Date:2018/01/25 StudyId:AAPM2018 Desc:RT^PELVIS (P
 - CT03: #Images: 116
 - RTDOSE01: #Objects: 1
 - RTPLAN: ANON
 - RTPLAN: ANON
 - RTSTRUCT: ANON

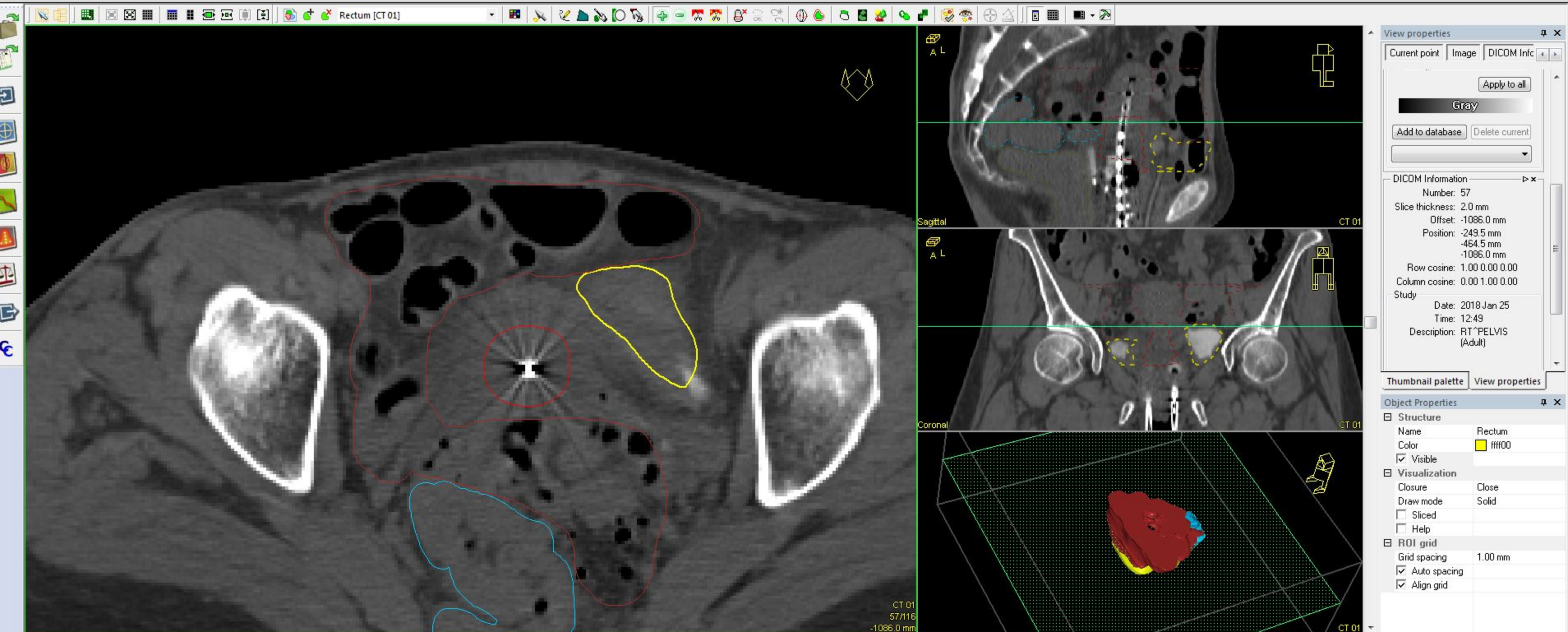
#	Offset(cm)	Image #	Modal	Type	File Name
1)			RP	RTPLAN	RP.2.16.840.1
2)			RS	RTSTRUCT	RS.2.16.840.1
3)	-97.40	1	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
4)	-97.60	2	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
5)	-97.80	3	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
6)	-98.00	4	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
7)	-98.20	5	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
8)	-98.40	6	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
9)	-98.60	7	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
10)	-98.80	8	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
11)	-99.00	9	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
12)	-99.20	10	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
13)	-99.40	11	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
14)	-99.60	12	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
15)	-99.80	13	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
16)	-100.00	14	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
17)	-100.20	15	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
18)	-100.40	16	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
19)	-100.60	17	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
20)	-100.80	18	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
21)	-101.00	19	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
22)	-101.20	20	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
23)	-101.40	21	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1
24)	-101.60	22	CT	ORIGINAL\PRIMARY\AXIAL\CT_SOM...	CT.2.16.840.1

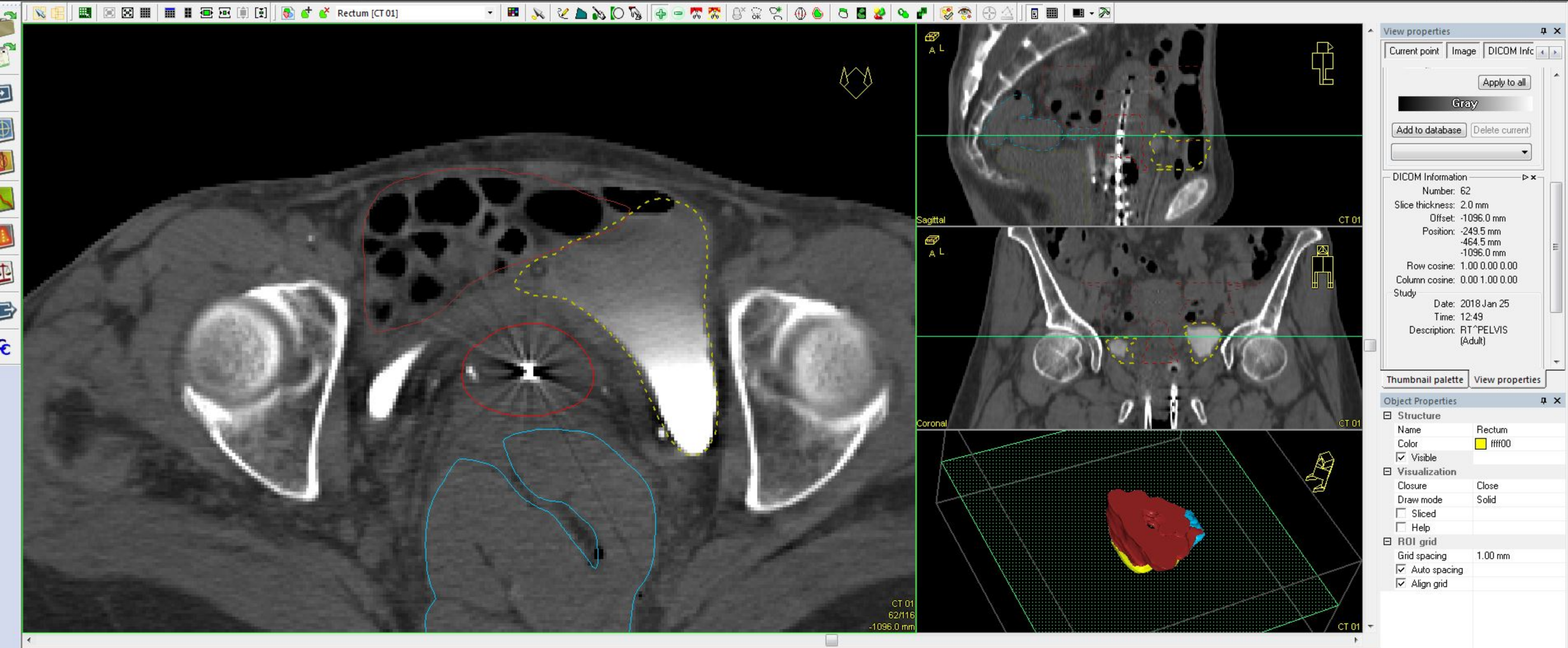
☐ Image fix enable

Import

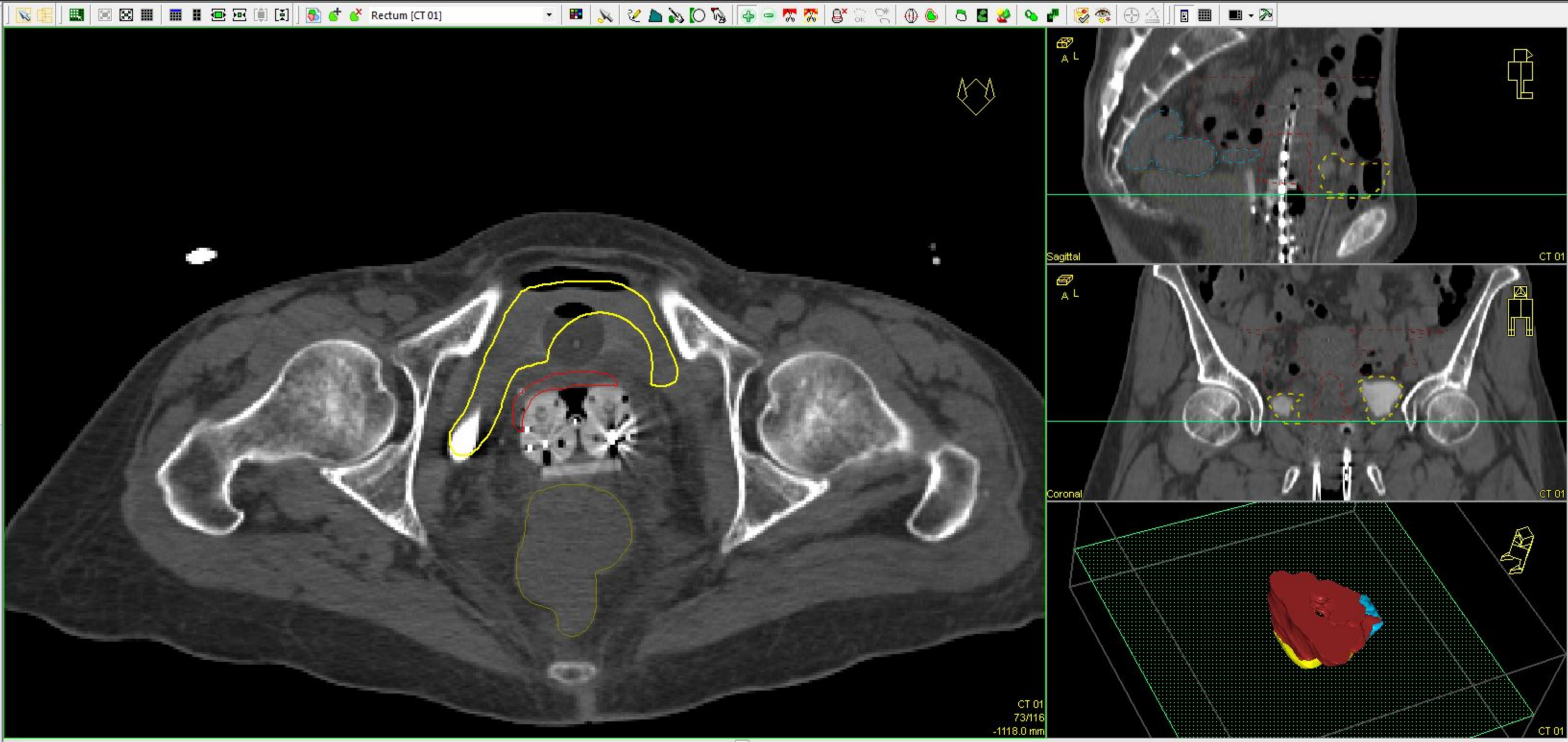
Close

Help





Case explorer - Current ROI Rectum [CT 01]									
	Name	Series	Volume [ccm]	Mass Density	DICOM Type	DICOM #	Completion	MBS	
☒ ROI Set	☒ Bladder	CT 01	46.59	-	Unknown	2	Not completed		
☒ POI	☒ Bowel	CT 01	428.35	-	Unknown	4	Not completed		
☒ Registrations	☒ CTCTV	CT 01	27.90	-	Unknown	5	Not completed		
☒ Measures	☒ Rectum	CT 01	105.31	-	Unknown	1	Not completed		
	☒ Sigmoid	CT 01	83.06	-	Unknown	3	Not completed		



View properties

Current point | Image | DICOM Info

Apply to all

Gray

Add to database | Delete current

DICOM Information

Number: 73
Slice thickness: 2.0 mm
Offset: -1118.0 mm
Position: -249.5 mm
 -464.5 mm
 -1118.0 mm
Row cosine: 1.00 0.00 0.00
Column cosine: 0.00 1.00 0.00
Study
Date: 2018 Jan 25
Time: 12:49
Description: RT^PELVIS (Adult)

Thumbnail palette | View properties

Object Properties

Structure

Name: Rectum
Color: ffff00
☒ Visible

Visualization

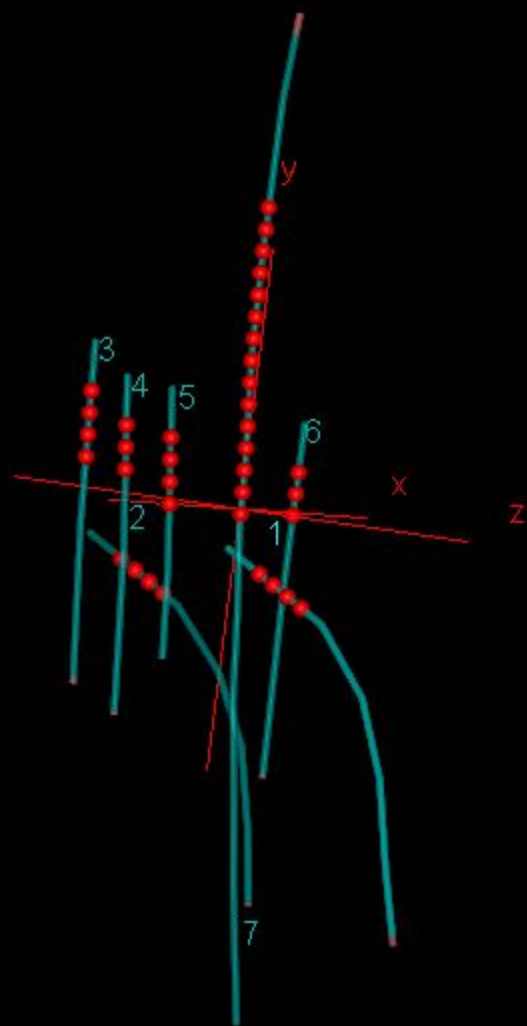
Closure: Close
Draw mode: Solid
☐ Sliced
☐ Help

ROI grid

Grid spacing: 1.00 mm
☒ Auto spacing
☒ Align grid

Case explorer - Current ROI Rectum [CT 01]

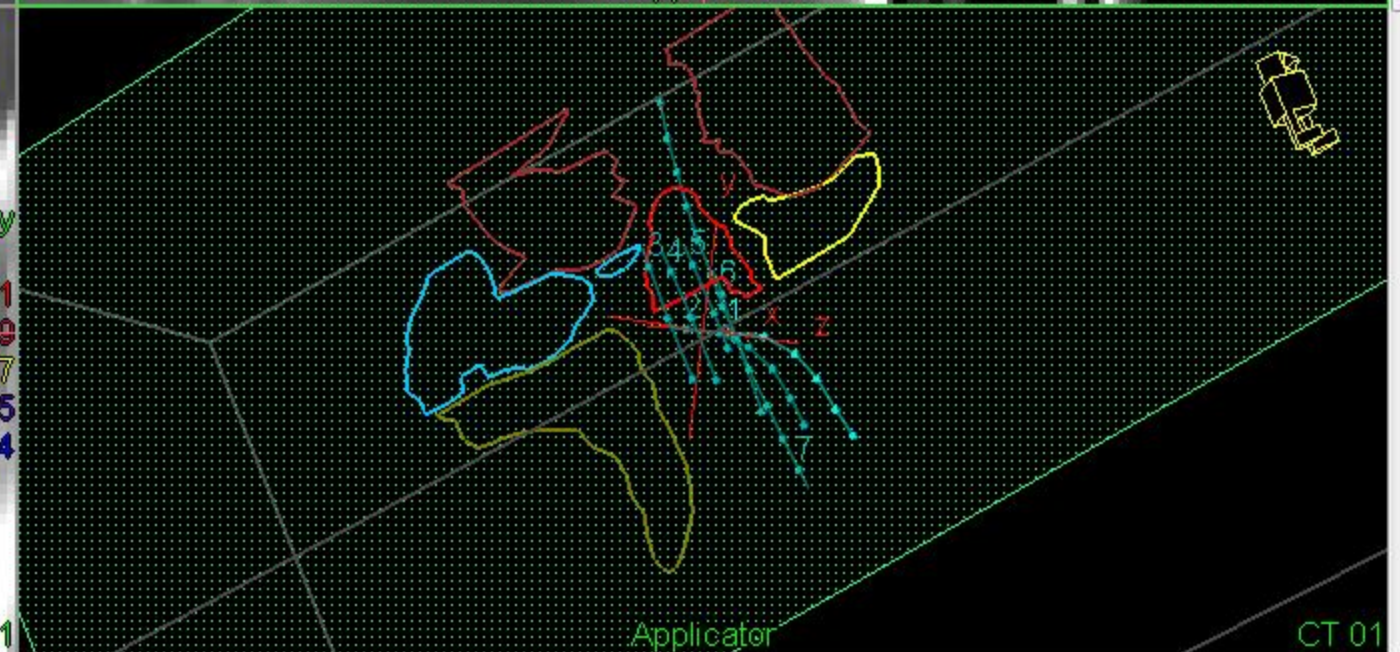
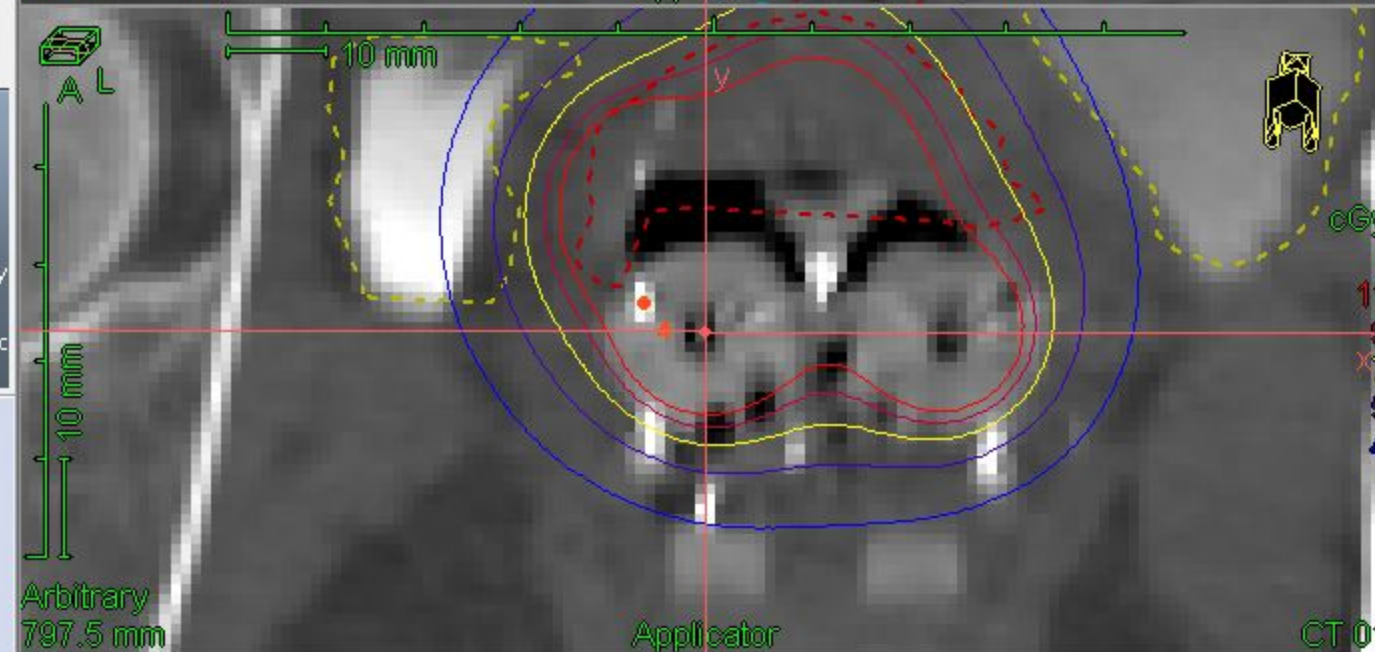
	Name	Series	Volume [ccm]	Mass Density	DICOM Type	DICOM #	Completion	MBS
☒ ROI Set								
☒ POI								
☒ Registrations								
☒ Measures								
☒ Bladder		CT 01	46.59	-	Unknown	2	Not completed	
☒ Bowel		CT 01	428.35	-	Unknown	4	Not completed	
☒ CTCTV		CT 01	27.90	-	Unknown	5	Not completed	
☒ Rectum		CT 01	105.31	-	Unknown	1	Not completed	
☒ Sigmoid		CT 01	83.06	-	Unknown	3	Not completed	



Applicator



A screenshot of the Windows Start menu search results. The search bar at the top contains the text 'Snipping Tool'. Below the search bar, a list of search results is displayed. The first result, 'Snipping Tool', is highlighted with a blue background. Other visible results include 'Oncentra', 'Oncentra Backup', and 'Notepad'.



Applicator Visualization

Thickness:  Ma

Skin:

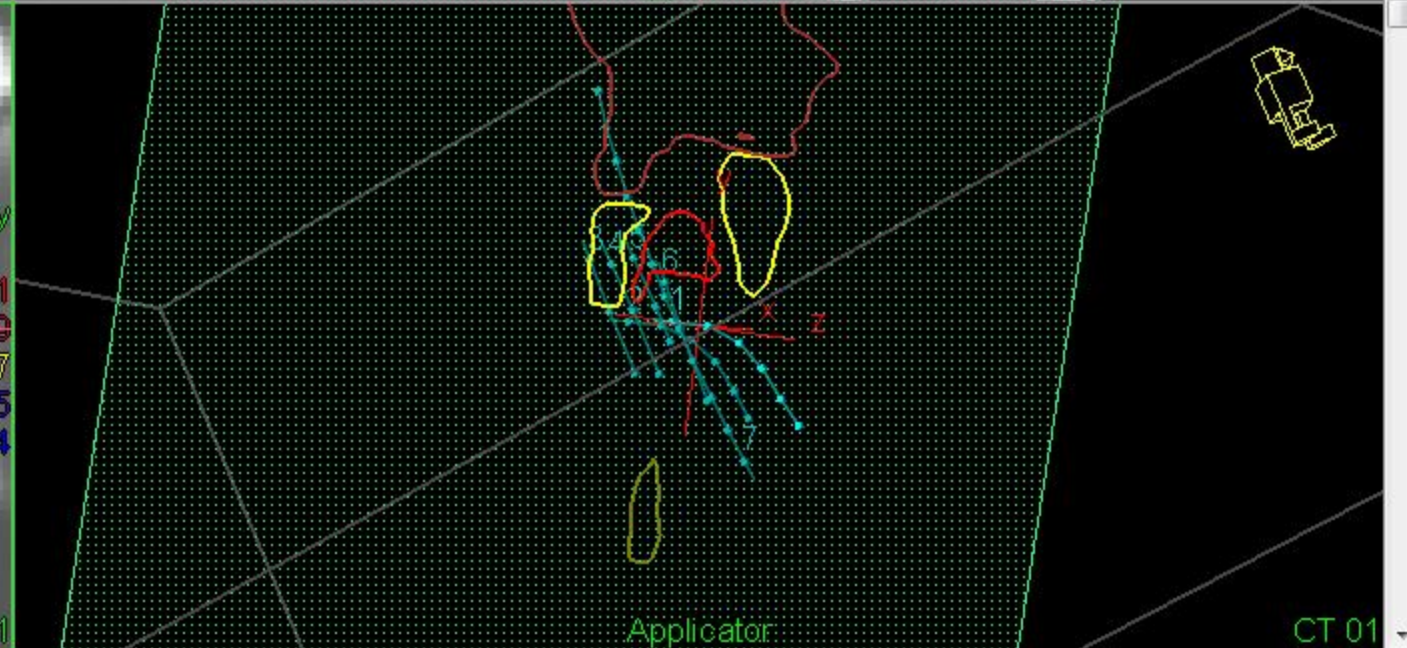
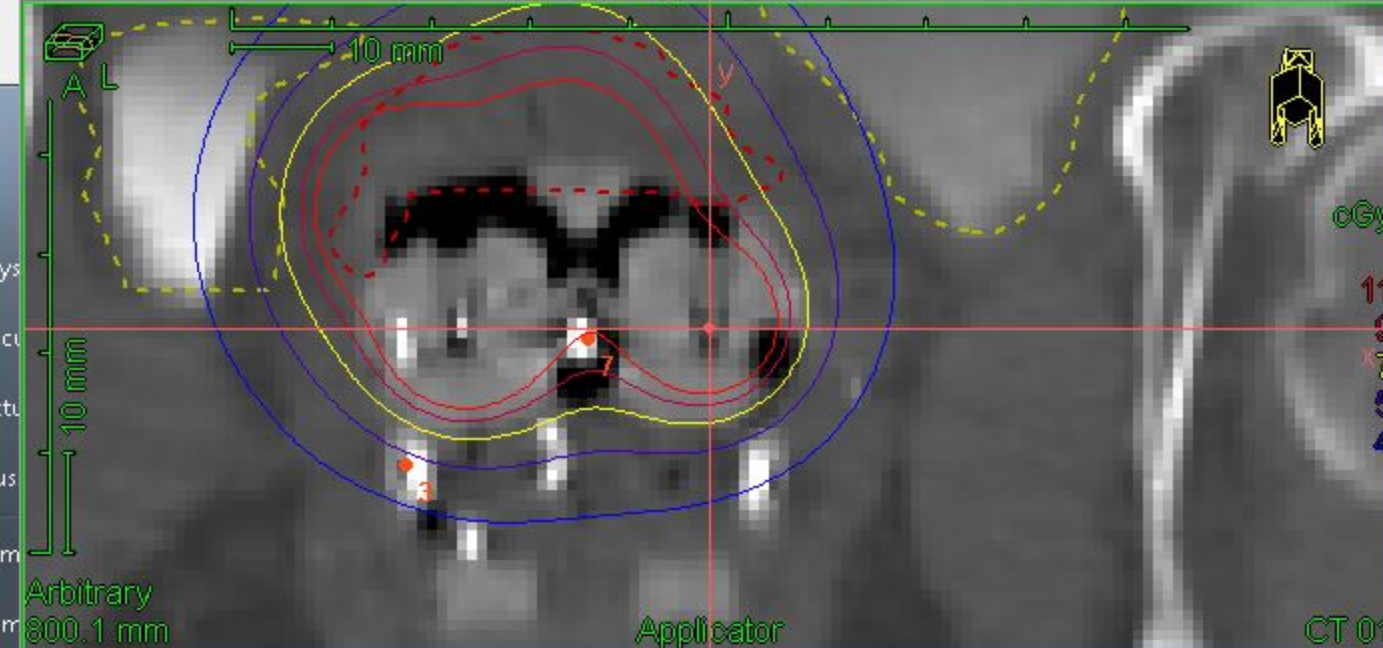
☒ Off

☐ Triangles

☐ Transparent

Opacity  Ma

- Oncentra
- Snipping Tool
- Oncentra Backup
- Notepad
- Firefox
- RDStore
- RadCalc - Shortcut
- DICOM Server Configuration



Applicator Visualizati
Thickness:
Skin:
☒ Off
☐ Triangles
☐ Transparent
Opacity



Projective setup Applicator Placement Catheter Reconstruction Activation Normalization Optimization Prescription Activity gadget Notification

Catheter reconstruction

Manual Automatic Shields

Preferences

Sequencing: No Sequencing

Catheters

Number of catheters: 7

Add (+1) Remove (-1) Remove All

Current Catheter

Index: 1

Prev Next

Offset: 0.0 mm

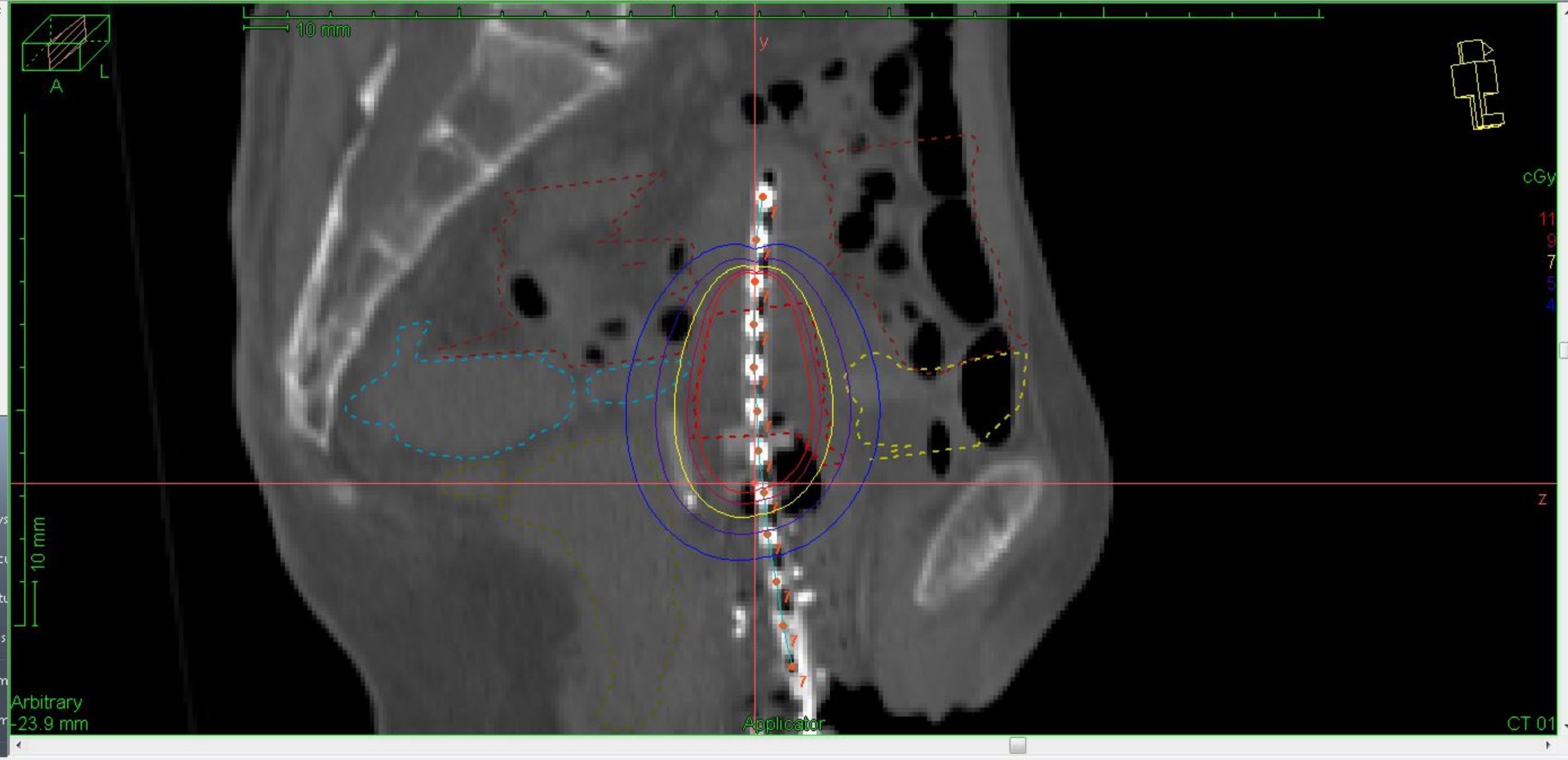
In Sequence

Flip Delete Clear

Applicator properties

Source Step: 2.5 mm

- Oncentra
- Snipping Tool
- Oncentra Backup
- Notepad
- Firefox
- RDStore
- RadCalc - Shortcut
- DICOM Server Configuration



ROI Set

Plans

Brachy plan

Ap Applicator

4 Points

Devices and Printers		Lock	Indexer	Offset	0 10 20 30 40 50 60 70 80 90 100 110	
Default Programs		(HIPO)	[mm]	[mm]	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8	
Help and Support						
Windows Security						
Log off						

Applicator Visualization

Thickness: Ma

Skin:

Off

Triangles

Transparent

Opacity: Ma

[illegible]

Applicator Visualization

Thickness:  Max

Skin:

☒ Off

☐ Triangles

☐ Transparent

Opacity  Max

Catheter reconstruction

Manual Automatic Shields

Preferences

Sequencing: No Sequencing

Catheters

Number of catheters: 7 Add (+1) Remove (-1) Remove All

Current Catheter

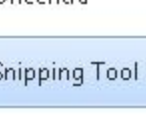
Index: 1 Prev Next

Offset: 0.0 mm ☒ In Sequence

Flip Delete Clear

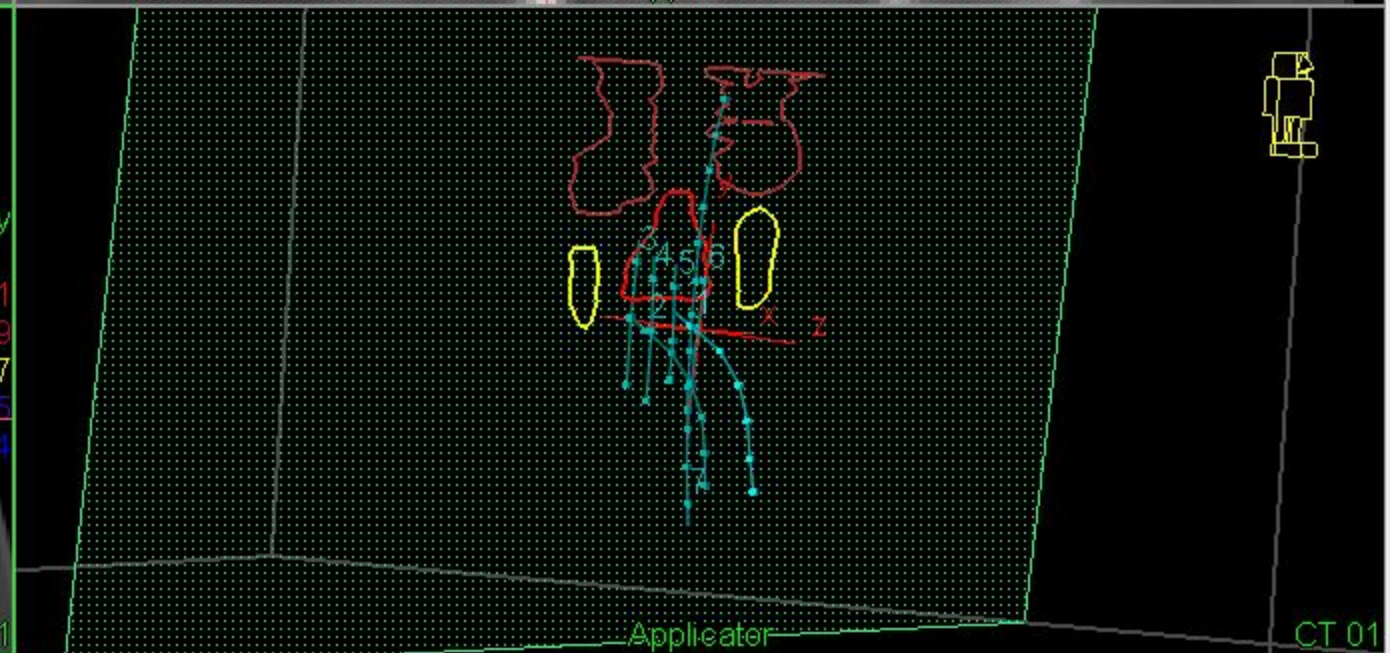
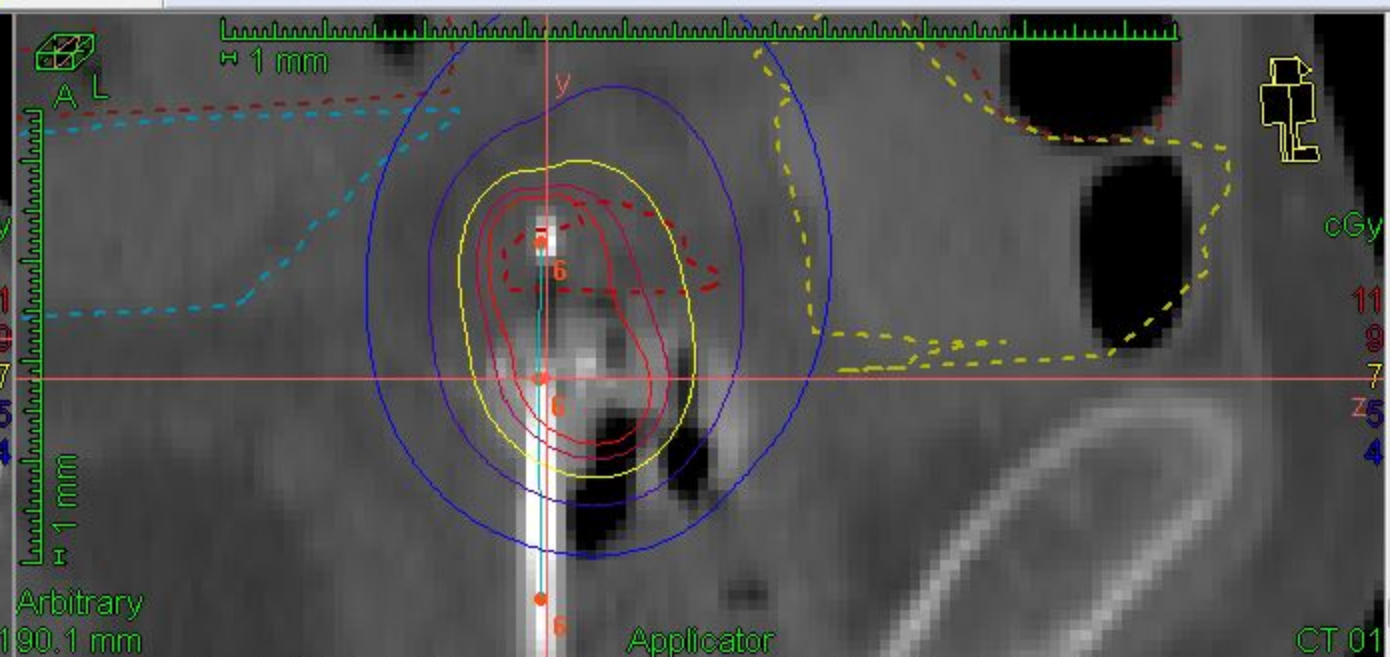
Applicator properties

Source Step: 2.5 mm



A screenshot of the Windows Start menu search results. The search bar at the top contains the text "Snipping Tool". Below the search bar, a list of applications is displayed. The application "Snipping Tool" is highlighted with a blue background. Other applications listed include "Oncentra", "Oncentra Backup", "Notepad", "Firefox", "RDStore", "RadCalc - Shortcut", and "DICOM Server Configuration".

A grayscale CT scan of a pelvic cross-section. In the center, there are several overlapping colored contours representing different dose levels or target volumes: a central red area, followed by yellow, green, and blue outer layers. A black rectangular object, labeled 'Applicator' at the bottom, is positioned within these contours. Dashed yellow lines outline the applicator's footprint. Two green scale bars are present: one at the top left indicating a horizontal distance of 10 mm, and another on the left side indicating a vertical distance of 10 mm. Various labels are visible around the image, including 'AL' at the top left, 'Arbitrary -1104.5 mm' at the bottom left, 'Applicator' at the bottom center, and 'CT 0' at the bottom right. On the far right edge, there are some partially visible labels like 'cGy' and '1'.



Name		MRN								
EBRT										
Dose/fx	1.8	Tumor α/β OAR α/β		10						
fx w/o shield	25			3						
fx w/ shield	0									
HDR		fx1	fx2	fx3	fx4	EBRT	HDR	Total	Goal	
CTCTV	RX	7.0	7.0	7.0	7.0	45.0	28.0	83.9	80 ≤ x ≤ 90	
	EQD ₂ ₁₀	9.9	9.9	9.9	9.9	44.3	39.7			
Bladder	D _{2cc}	3.4	3.4	3.4	3.4	45.0	13.7	60.8	≤ 90*	
	EQD ₂ ₃	4.4	4.4	4.4	4.4	43.2	17.6			
Rectum	D _{2cc}	4.5	4.5	4.5	4.5	45.0	18.0	70.2	≤ 75*	
	EQD ₂ ₃	6.8	6.8	6.8	6.8	43.2	27.0			
Sigmoid	D _{2cc}	4.0	4.0	4.0	4.0	45.0	16.0	65.6	≤ 75*	
	EQD ₂ ₃	5.6	5.6	5.6	5.6	43.2	22.4			
Bowel	D _{2cc}	4.5	4.5	4.5	4.5	45.0	18.0	70.2	≤ 75*	
	EQD ₂ ₃	6.8	6.8	6.8	6.8	43.2	27.0			

*From 2012 ABS Cervical HDR guidelines, note that 45 Gy in 25 fx 3D w/o shield + 6.3 Gy in 4 fx HDR > 90 EQD2₁₀

*From 2012 ABS Cervical HDR guidelines, note that 45 Gy in 25 fx 3D w/o shield + 5.0 Gy in 4 fx HDR > 75 EQD2₃

Patient name	AAPM, SPRING	
Patient ID	AAPM2018	
Birth date	12 Oct 1983	Sex Female
Case	RT^PELVIS (Adult)	
Plan	Brachy plan	
Saved	Printed case not saved	
Printed	02 Apr 2018 17:45:14 by physics	
Time zone	Eastern Standard Time (UTC-5:00), Eastern Daylight Time	

SCCC Radiation Oncology

Treatment Unit

Treatment unit name: sccc2011
 Treatment unit type: microSelectron v3
 Source: 192-Ir-mHDR-v2
 Isotope: Ir-192

Air kerma rate constant (cGy cm²/ h / mCi): 4.082

Calibration data

Calibration date/time: 28 Feb 2018 16:30:00
 Air kerma strength (cGy cm²/h): 45321.00
 Apparent source activity (Ci): 11.10265

Treatment data

Treatment date/time: 19 Mar 2018 11:11:46
 Air kerma strength (cGy cm²/h): 38010.27
 Apparent source activity (Ci): 9.31168
 Interval between calibration date and time,
 and treatment date and time (days): 18.74
 Decay factor: 0.8387

Dose Normalization, Optimization and Prescription

Normalization type: Normalized manual
 F Factor: 1.000
 Optimization type: Graphical
 Prescription dose per fraction/pulse (cGy): 7.00
 Total Reference Air Kerma per fraction/pulse at 1 m (cGy): 0.004
 Number of fractions: 1

Applicator Model

None

Patient name	AAPM, SPRING	
Patient ID	AAPM2018	
Birth date	12 Oct 1983	Sex Female
Case	RT^PELVIS (Adult)	
Plan	Brachy plan	
Saved	Printed case not saved	
Printed	02 Apr 2018 17:45:14 by physics	
Time zone	Eastern Standard Time (UTC-5:00), Eastern Daylight Time	

SCCC Radiation Oncology

Source Positions

Catheter (channel)	Name	Channel length (indexer length)	1	5	9	13	17	21	25	29	33 (pos)
1 (1)	Rt Ovo...	1500.0 (mm)	AAAA								
2 (2)	Lt Ovo...	1500.0 (mm)	AAAA								
3 (3)	Needle...	1240.0 (mm)	.AAA								
4 (4)	Needle...	1240.0 (mm)	. .A								
5 (5)	Needle...	1240.0 (mm)	A .AA								
6 (6)	Needle...	1240.0 (mm)	A								
7 (7)	Tandem	1500.0 (mm)	AAAAAAAAAAAAA								
			0	10	20	30	40	50	60	70	80 (mm)

Source position separation (mm): 2.5

Catheter (channel) Times

Catheter (channel)	Name	# Active positions	Channel time (sec.)
1 (1)	Rt Ovoid (Manual)	4	0.4
2 (2)	Lt Ovoid (Manual)	4	0.4
3 (3)	Needle 1 (Manual)	3	0.3
4 (4)	Needle 2 (Manual)	1	0.1
5 (5)	Needle 3 (Manual)	3	0.3
6 (6)	Needle 4 (Manual)	1	0.1
7 (7)	Tandem (Manual)	15	1.7

Total Treatment Time

Total treatment time (sec.): 3.3

% of total time given extra due to rounding off (%): 0.4

Source Coordinates and Times

Catheter 1 (channel 1) - Rt Ovoid

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
1	32.8	-1118.1	194.5	1.32	0.1
2	32.6	-1119.5	196.6	1.33	0.1

Continued

Patient name	AAPM, SPRING	
Patient ID	AAPM2018	
Birth date	12 Oct 1983	Sex Female
Case	RT^PELVIS (Adult)	
Plan	Brachy plan	
Saved	Printed case not saved	
Printed	02 Apr 2018 17:45:14 by physics	
Time zone	Eastern Standard Time (UTC-5:00), Eastern Daylight Time	

SCCC Radiation Oncology

Source Coordinates and Times (continued)

Catheter 1 (channel 1) - Rt Ovoid

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
3	32.5	-1120.9	198.7	1.35	0.1
4	32.3	-1122.2	200.8	1.37	0.1

Catheter 2 (channel 2) - Lt Ovoid

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
1	7.9	-1119.4	192.2	1.33	0.1
2	7.7	-1120.8	194.2	1.33	0.1
3	7.6	-1122.1	196.3	1.33	0.1
4	7.4	-1123.5	198.4	1.34	0.1

Catheter 3 (channel 3) - Needle 1

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
2	1.2	-1103.5	191.2	1.33	0.1
3	1.4	-1106.0	191.1	1.33	0.1
4	1.5	-1108.5	190.9	1.33	0.1

Catheter 4 (channel 4) - Needle 2

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
3	0.7	-1110.2	196.9	1.33	0.1

Catheter 5 (channel 5) - Needle 3

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
1	-0.4	-1106.9	203.5	1.42	0.1
3	-0.1	-1111.9	203.6	1.34	0.1
4	0.0	-1114.4	203.6	1.34	0.1

Patient name	AAPM, SPRING	
Patient ID	AAPM2018	
Birth date	12 Oct 1983	Sex Female
Case	RT^PELVIS (Adult)	
Plan	Brachy plan	
Saved	Printed case not saved	
Printed	02 Apr 2018 17:45:14 by physics	
Time zone	Eastern Standard Time (UTC-5:00), Eastern Daylight Time	

SCCC Radiation Oncology

Source Coordinates and Times (continued)

Catheter 6 (channel 6) - Needle 4

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
1	39.1	-1105.6	195.0	1.30	0.1

Catheter 7 (channel 7) - Tandem

Offset (mm): 0.0

Position	X (mm)	Y (mm)	Z (mm)	Dwell weight	Dwell time (sec.)
22	19.5	-1113.0	200.4	2.04	0.2
23	19.3	-1110.5	200.6	2.00	0.2
24	19.1	-1108.0	200.8	1.82	0.1
25	19.0	-1105.5	201.0	1.62	0.1
26	18.8	-1103.1	201.1	1.45	0.1
27	18.7	-1100.6	201.2	1.35	0.1
28	18.5	-1098.1	201.3	1.31	0.1
29	18.4	-1095.6	201.5	1.30	0.1
30	18.2	-1093.1	201.7	1.31	0.1
31	18.0	-1090.6	202.0	1.31	0.1
32	17.8	-1088.1	202.3	1.32	0.1
33	17.6	-1085.7	202.5	1.32	0.1
34	17.4	-1083.2	202.9	1.32	0.1
35	17.2	-1080.7	203.3	1.32	0.1
36	16.9	-1078.3	203.7	1.32	0.1

Rubric below

Imbedded errors within treatment plan

1. Prescription incorrect (7 cGy/fx instead of 7 Gy/fx)
2. Ovoids digitized incorrectly (left ovoid digitized as right and vice versa)
3. Tandem digitized incorrectly from the base but using tip end setting
4. Tandem indexed to wrong channel (should be channel 3 instead of 7)
5. Wrong treatment length from needles (1240 mm instead of 1294 mm)
6. Contours labeled incorrectly (Bladder and rectum reversed)
7. Bladder contour missing slices
8. BED calculation incorrect