

Plan Report

Patient data

Patient ID	012345678910
Patient name	Phantom Lunge
Patient gender	Other
Patient birth date	08 Dec 1987
Treatment planning system	RayStation 4.5.0.19
Structure set UID	1.2.826.0.1.3680043.8.176.201572913474814.84.7626823883
Structure set approval data	
Approved	Yes
Approved by	clang@ad.dkfz-heidelberg.de
Approval time	29 Jul 2015, 13:56:50 (hr:min:sec)

Treatment plan data

Treatment plan name	04_Plan01
Plan last save time	29 Jul 2015, 13:56:50 (hr:min:sec)
Planned by	
Number of beam sets	1
Patient treatment position	HFS : Head First Supine
Treatment plan approval data	
Approved	Yes
Approved by	clang@ad.dkfz-heidelberg.de
Approval time	29 Jul 2015, 13:56:50 (hr:min:sec)
Plan comment	
Planning image set	CT 25
CT to density table	DKFZ_HLUT 03 Apr 2012, 10:28:06 (hr:min:sec)
Patient scanning position	HFS
External ROI	External

General data

Treatment planning system	RayStation 4.5.0.19
Report creation time	29 Jul 2015, 13:58:48 (hr:min:sec)
Template name	RayStation treatment plan report
Patient coordinate system	IEC 61217

Density override

No density override

Beam Set overview

Beam Set name	04_Plan01
Treatment technique	3D-CRT
Treatment unit	ARTISTE3
Number of beams	9

Warnings [04_Plan01]

No warnings

Signatures

Signature 1 (Name/Signature/Date)

Signature 2 (Name/Signature/Date)

Beam Set Report

Beam Set data

Beam Set name	04_Plan01
Modality	Photons
Treatment technique	3D-CRT
Number of beams	9
Number of segments	9
DICOM Plan UID	1.2.826.0.1.3680043.8.176.2015729135650958.108.6321213758
Planning image set	CT 25
CT to density table	DKFZ_HLUT 03 Apr 2012, 10:28:06 (hr:min:sec)
Treatment unit	ARTISTE3
Commission time	05 Nov 2014, 10:34:16 (hr:min:sec)
Treatment machine scale	IEC 61217
Jaw labeling standard	IEC 61217
Energy [MV]	6.00
Dose calculation algorithm	Collapsed Cone, Version 3.0
Density calculation algorithm version	2.0
MU per fraction	542.47
Number of fractions	1
ROI(s) with density override	
Beam set approval data	
Approved	Yes
Approved by	clang@ad.dkfz-heidelberg.de
Approval time	29 Jul 2015, 13:56:50 (hr:min:sec)

Beam Data Overview [Right-Left: 25.34 Inf-Sup: -21.65 Post-Ant: -16.63]

#	Beam name (Description)	Number of segments	Maximum jaw aperture [cm]		Gantry angle [deg]	Coll. angle [deg]	Couch angle [deg]	MU per fraction	Bolus [Y/N]	Block [Y/N]
			Y1	Y2						
1	4-B0 (1-B0)	1	-3.00	3.00	0.0	0.0	0.0	100.18	N	N
2	4-B1 (1-B1)	1	-3.00	3.00	40.0	0.0	0.0	100.48	N	N
3	4-B2 (1-B2)	1	-3.00	3.00	80.0	0.0	0.0	76.41	N	N
4	4-B3 (1-B3)	1	-3.00	3.00	120.0	0.0	0.0	1.98	N	N
5	4-B4 (1-B4)	1	-3.00	3.00	160.0	0.0	0.0	18.92	N	N
6	4-B5 (1-B5)	1	-3.00	3.00	200.0	0.0	0.0	63.16	N	N
7	4-B6 (1-B6)	1	-3.00	3.00	240.0	0.0	0.0	1.98	N	N
8	4-B7 (1-B7)	1	-3.00	3.00	280.0	0.0	0.0	89.07	N	N
9	4-B8 (1-B8)	1	-3.00	3.00	320.0	0.0	0.0	90.28	N	N

Objectives

Dose	Function	ROI	Description	Robust	Weight	Value
	Physical Composite Objective			No		0.0035
Plan	Uniform Dose	■ PTV	Uniform Dose 4.00 Gy	No	1	0.0029
Plan	Dose Fall-Off	■ External	Dose Fall-Off [H]4.00 Gy [L]1.00 Gy, Low dose distance 1.00 cm	No	1	6.0112E-4

Constraints

No constraints defined

Prescription

Prescription	4.00 Gy to median dose (D50%) in ■PTV
Value [Gy]	4.00
Fulfilled	●Yes
Relates to beam set dose	

Patient setup

Localization point

Treatment position
POI

Position [cm]

Patient setup

Beams

Isocenter [cm]

Localization point - Isocenter [cm]

HFS : Head First Supine

● RefPunkt

X(Right-Left) = 25.24 , Y(Inf-Sup) = -25.2 , Z(Post-Ant) = -25.05

4-B0, 4-B1, 4-B2, 4-B3, 4-B4, 4-B5, 4-B6, 4-B7, 4-B8

X(R-L) = 25.34 , Y(I-S) = -21.65 , Z(P-A) = -16.63

X(R-L) = -0.09 , Y(I-S) = -3.55 , Z(P-A) = -8.42

Position patient such that lasers line up with patient marks.

Move the couch according to the PATIENT coordinate system:

RIGHT 0.09 cm (patient's right)

INFERIOR 3.55 cm

POSTERIOR 8.42 cm

Beamset dose data

Isocenter [cm]

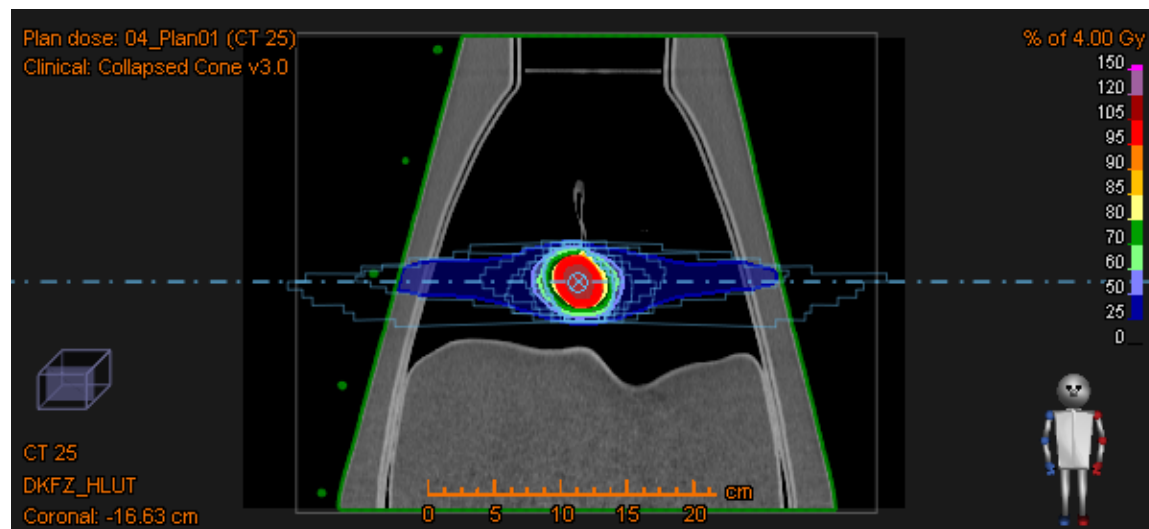
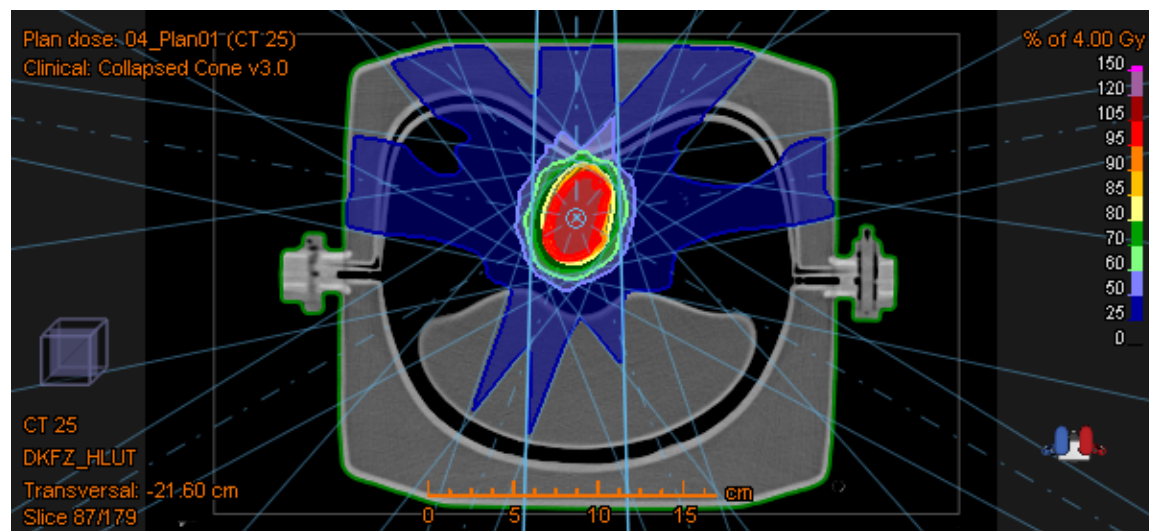
Dose grid resolution [cm]

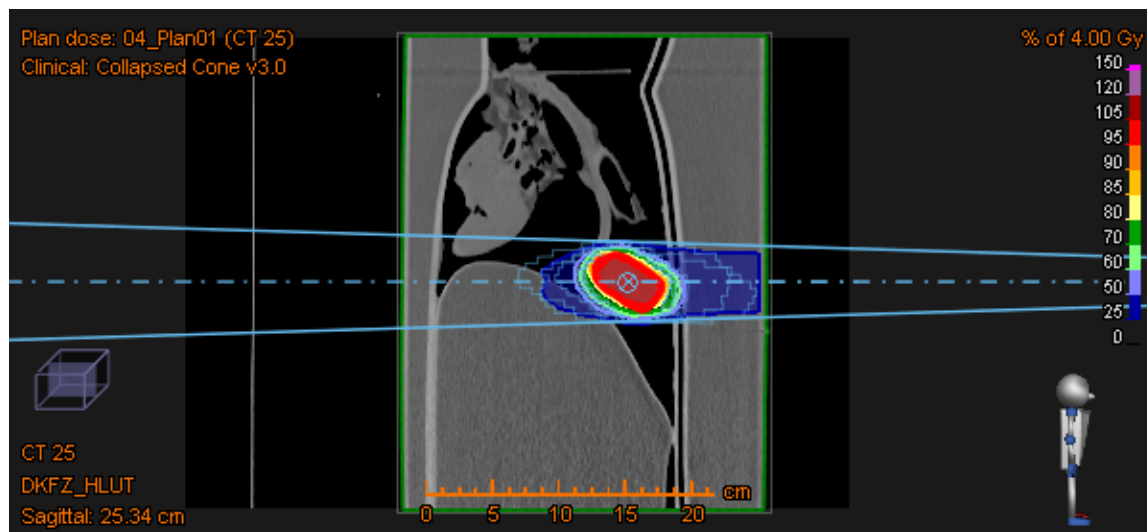
Beams

Right-Left: 25.34 Inf-Sup: -21.65 Post-Ant: -16.63

Right-Left: 0.20 Inf-Sup: 0.20 Post-Ant: 0.20

4-B0, 4-B1, 4-B2, 4-B3, 4-B4, 4-B5, 4-B6, 4-B7, 4-B8



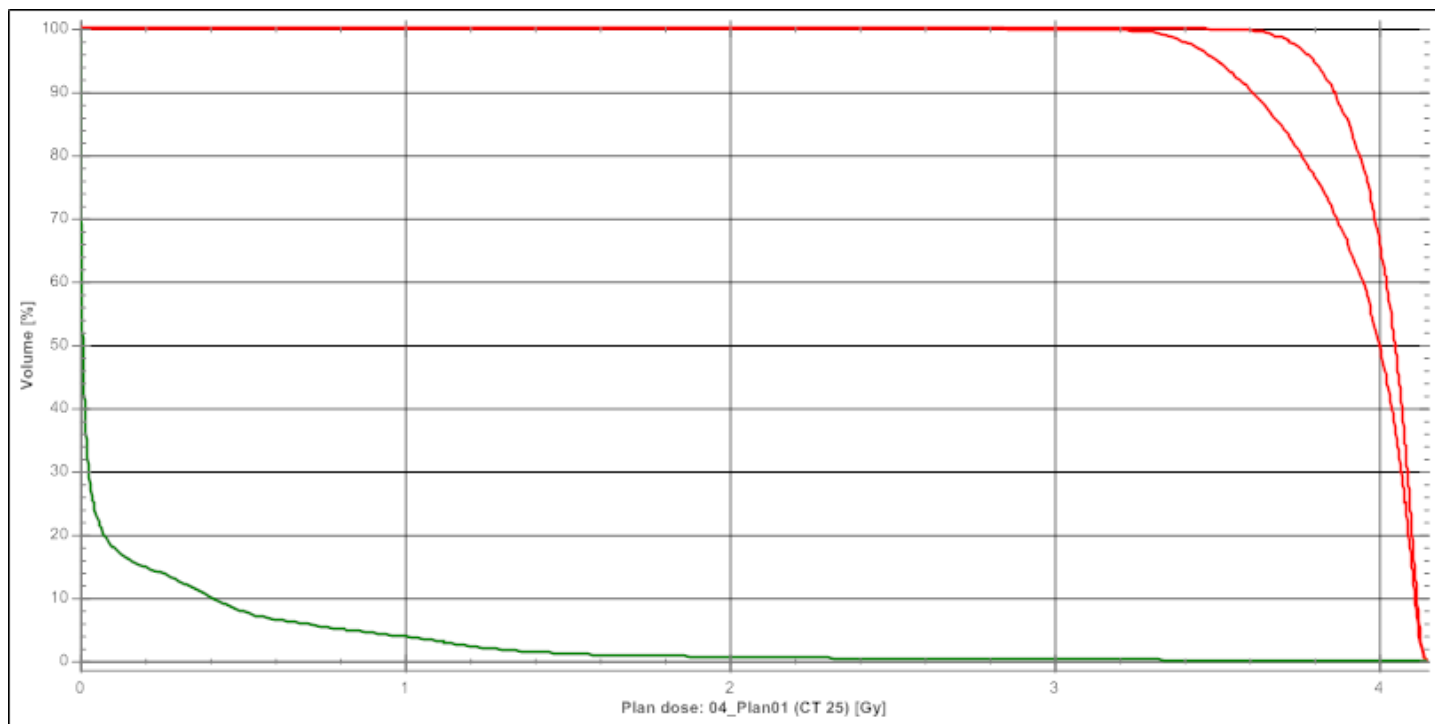


Points Of Interest

	Name	RefPunkt	Beam isocenters [cm]	Point - Isocenter [cm]
●	Type Dose [Gy] Location [cm]	Localization point 0.11 [Interpolated] Right-Left: 25.24 Inf-Sup: -25.2 Post-Ant: -25.05	Right-Left: 25.34 Inf-Sup: -21.65 Post-Ant: -16.63	Right-Left: -0.09 Inf-Sup: -3.55 Post-Ant: -8.42
●	Name Type Dose [Gy] Location [cm]	Iso Isocenter 0.00 [Interpolated] N/A		

Clinical goals

There are no clinical goals



POI Dose statistics [Beam Set dose]

Dose	POI	Dose [Gy]	Position Right-Left: [cm]	Inf-Sup: [cm]	Post-Ant: [cm]
Plan dose: 04_Plan01 (CT 25)	● RefPunkt	0.11	25.24	-25.2	-25.05
Plan dose: 04_Plan01 (CT 25)	● Iso	-	-	-	-

ROI Dose statistics [Beam Set dose]

Name	Volume [cm³]	D99 [Gy]	D98 [Gy]	D95 [Gy]	Average [Gy]	D50 [Gy]	D2 [Gy]	D1 [Gy]	% outside grid
External	28041.88	0.00	0.00	0.00	0.13	0.01	1.26	1.60	0
GTV	25.19	3.67	3.72	3.80	4.02	4.05	4.13	4.14	0
ITV									-
PTV	35.60	3.34	3.40	3.50	3.92	4.00	4.13	4.14	0
Tumor									-

External

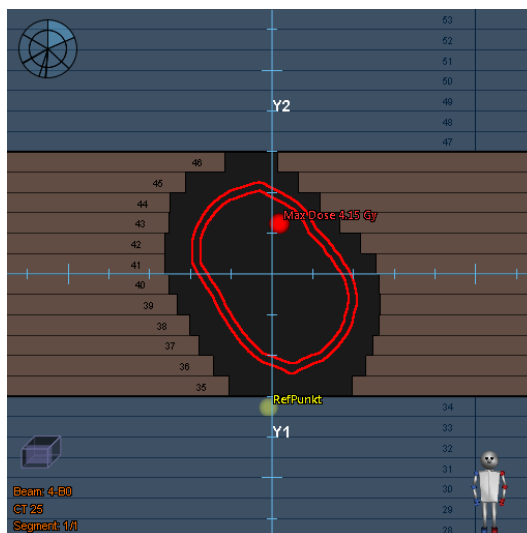
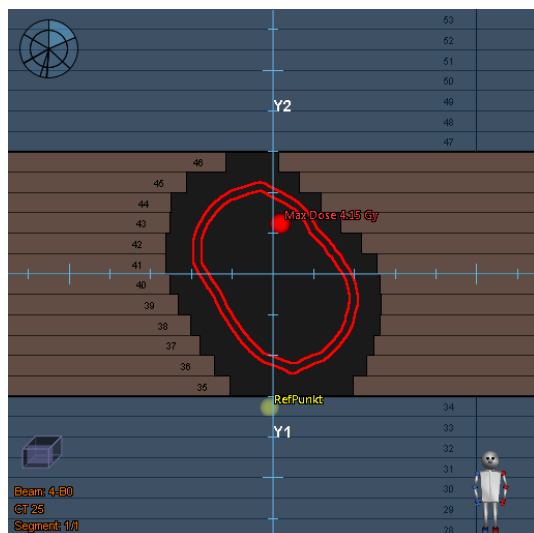
This ROI is set as the external ROI that defines the outer border of the patient

Beam data

Beam name	4-B0
Beam number	1
Beam description	1-B0
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 25.34 Inf-Sup: -21.65 Post-Ant: -16.63
Gantry angle [deg]	0.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	3D-CRT
Number of fractions	1
Beam MU/fraction	100.18
Total beam MU	100.18
Beam weight	0.18
Number of segments	1
Dose calculation algorithm	Collapsed Cone, Version 3.0
Treatment unit	ARTISTE3
Commission time	05 Nov 2014, 10:34:16 (hr:min:sec)
Energy [MV]	6.00
Jaw max aperture width [cm]	-
X1 [cm]	-
X2 [cm]	-
Jaw max aperture height [cm]	6.00
Y1 [cm]	-3.00
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	89.61
Source to surface distance (isocenter) [cm]	89.61
Bolus data	
No bolus	

Beam dose specification point

Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.760
Physical depth [cm]	10.39
Water equivalent depth [cm]	9.35
Source to skin distance [cm]	89.61
Source to surface distance [cm]	89.61



Segments

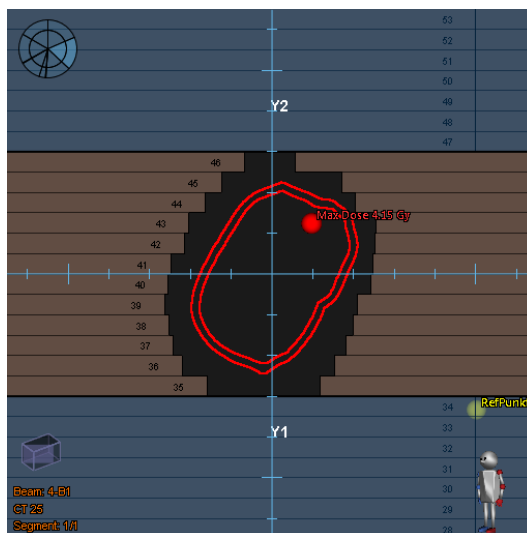
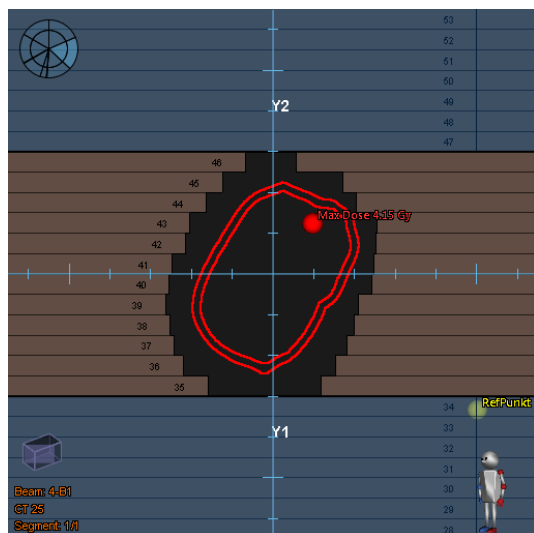
Seg. No.	MU/Fraction	Jaw positions [cm]	
		Y1	Y2
1	100.18	-3.00	3.00

Beam data

Beam name	4-B1
Beam number	2
Beam description	1-B1
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 25.34 Inf-Sup: -21.65 Post-Ant: -16.63
Gantry angle [deg]	40.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	3D-CRT
Number of fractions	1
Beam MU/fraction	100.48
Total beam MU	100.48
Beam weight	0.19
Number of segments	1
Dose calculation algorithm	Collapsed Cone, Version 3.0
Treatment unit	ARTISTE3
Commission time	05 Nov 2014, 10:34:16 (hr:min:sec)
Energy [MV]	6.00
Jaw max aperture width [cm]	-
X1 [cm]	-
X2 [cm]	-
Jaw max aperture height [cm]	6.00
Y1 [cm]	-3.00
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	86.59
Source to surface distance (isocenter) [cm]	86.59
Bolus data	
No bolus	

Beam dose specification point

Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.702
Physical depth [cm]	13.41
Water equivalent depth [cm]	11.25
Source to skin distance [cm]	86.59
Source to surface distance [cm]	86.59



Segments

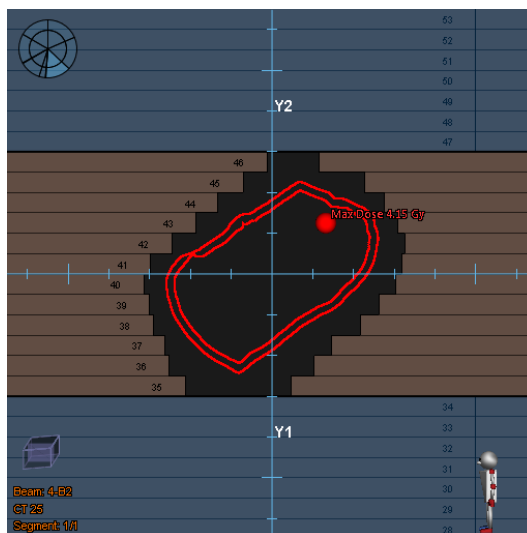
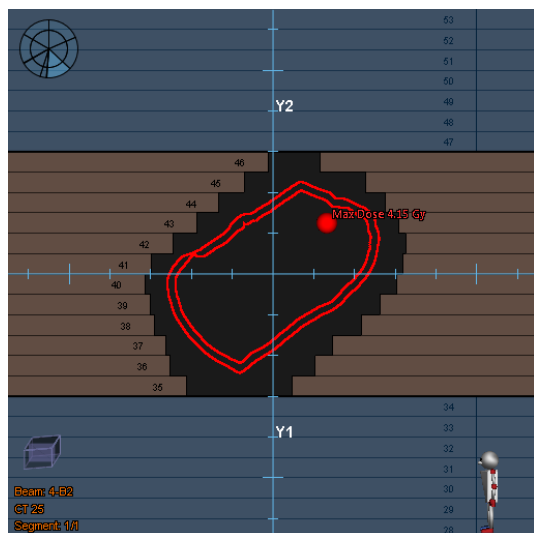
Seg. No.	MU/Fraction	Jaw positions [cm]	
		Y1	Y2
1	100.48	-3.00	3.00

Beam data

Beam name	4-B2
Beam number	3
Beam description	1-B2
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 25.34 Inf-Sup: -21.65 Post-Ant: -16.63
Gantry angle [deg]	80.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	3D-CRT
Number of fractions	1
Beam MU/fraction	76.41
Total beam MU	76.41
Beam weight	0.14
Number of segments	1
Dose calculation algorithm	Collapsed Cone, Version 3.0
Treatment unit	ARTISTE3
Commission time	05 Nov 2014, 10:34:16 (hr:min:sec)
Energy [MV]	6.00
Jaw max aperture width [cm]	-
X1 [cm]	-
X2 [cm]	-
Jaw max aperture height [cm]	6.00
Y1 [cm]	-3.00
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	84.45
Source to surface distance (isocenter) [cm]	84.45
Bolus data	No bolus

Beam dose specification point

Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.640
Physical depth [cm]	15.55
Water equivalent depth [cm]	6.28
Source to skin distance [cm]	84.45
Source to surface distance [cm]	84.45



Segments

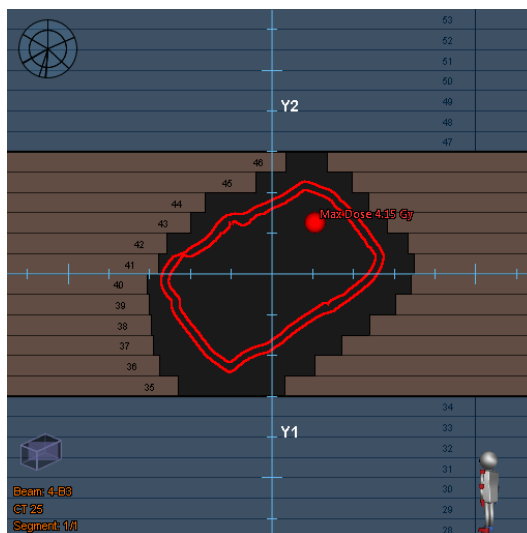
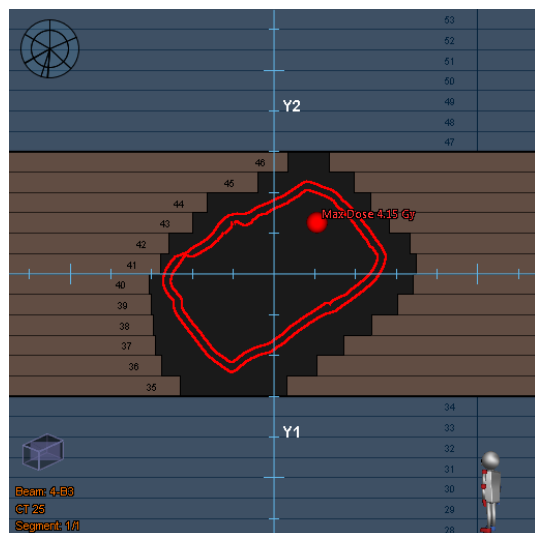
Seg. No.	MU/Fraction	Jaw positions [cm]	
		Y1	Y2
1	76.41	-3.00	3.00

Beam data

Beam name	4-B3
Beam number	4
Beam description	1-B3
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 25.34 Inf-Sup: -21.65 Post-Ant: -16.63
Gantry angle [deg]	120.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	3D-CRT
Number of fractions	1
Beam MU/fraction	1.98
Total beam MU	1.98
Beam weight	0.00
Number of segments	1
Dose calculation algorithm	Collapsed Cone, Version 3.0
Treatment unit	ARTISTE3
Commission time	05 Nov 2014, 10:34:16 (hr:min:sec)
Energy [MV]	6.00
Jaw max aperture width [cm]	-
X1 [cm]	-
X2 [cm]	-
Jaw max aperture height [cm]	6.00
Y1 [cm]	-3.00
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	82.43
Source to surface distance (isocenter) [cm]	82.43
Bolus data	
No bolus	

Beam dose specification point

Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.015
Physical depth [cm]	17.57
Water equivalent depth [cm]	7.78
Source to skin distance [cm]	82.43
Source to surface distance [cm]	82.43



Segments

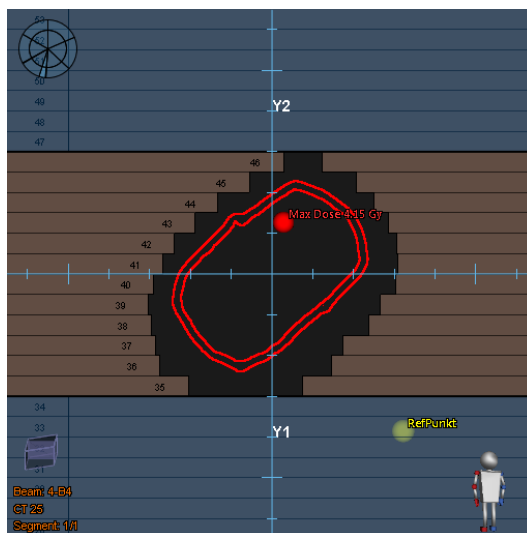
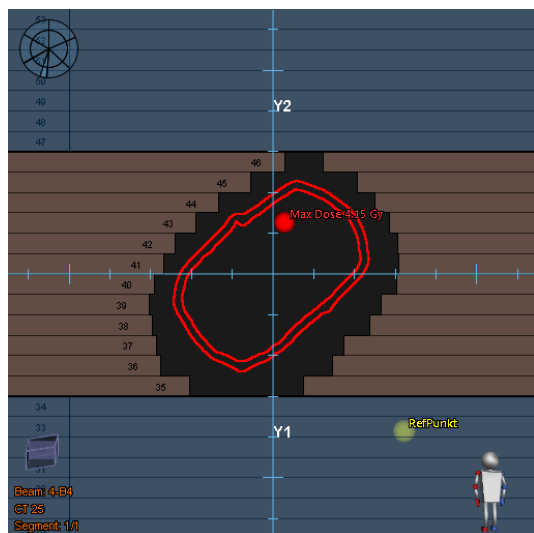
Seg. No.	MU/Fraction	Jaw positions [cm]	
		Y1	Y2
1	1.98	-3.00	3.00

Beam data

Beam name	4-B4
Beam number	5
Beam description	1-B4
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 25.34 Inf-Sup: -21.65 Post-Ant: -16.63
Gantry angle [deg]	160.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	3D-CRT
Number of fractions	1
Beam MU/fraction	18.92
Total beam MU	18.92
Beam weight	0.03
Number of segments	1
Dose calculation algorithm	Collapsed Cone, Version 3.0
Treatment unit	ARTISTE3
Commission time	05 Nov 2014, 10:34:16 (hr:min:sec)
Energy [MV]	6.00
Jaw max aperture width [cm]	-
X1 [cm]	-
X2 [cm]	-
Jaw max aperture height [cm]	6.00
Y1 [cm]	-3.00
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	81.81
Source to surface distance (isocenter) [cm]	81.81
Bolus data	
No bolus	

Beam dose specification point

Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.112
Physical depth [cm]	18.19
Water equivalent depth [cm]	14.82
Source to skin distance [cm]	81.81
Source to surface distance [cm]	81.81



Segments

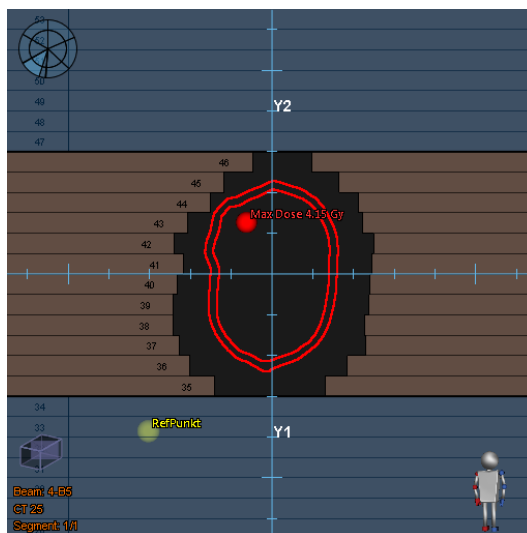
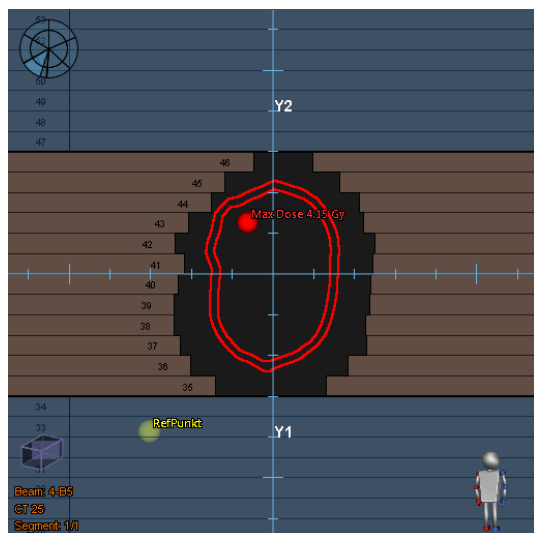
Seg. No.	MU/Fraction	Jaw positions [cm]	
		Y1	Y2
1	18.92	-3.00	3.00

Beam data

Beam name	4-B5
Beam number	6
Beam description	1-B5
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 25.34 Inf-Sup: -21.65 Post-Ant: -16.63
Gantry angle [deg]	200.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	3D-CRT
Number of fractions	1
Beam MU/fraction	63.16
Total beam MU	63.16
Beam weight	0.12
Number of segments	1
Dose calculation algorithm	Collapsed Cone, Version 3.0
Treatment unit	ARTISTE3
Commission time	05 Nov 2014, 10:34:16 (hr:min:sec)
Energy [MV]	6.00
Jaw max aperture width [cm]	-
X1 [cm]	-
X2 [cm]	-
Jaw max aperture height [cm]	6.00
Y1 [cm]	-3.00
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	81.92
Source to surface distance (isocenter) [cm]	81.92
Bolus data	
No bolus	

Beam dose specification point

Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.369
Physical depth [cm]	18.08
Water equivalent depth [cm]	15.13
Source to skin distance [cm]	81.92
Source to surface distance [cm]	81.92



Segments

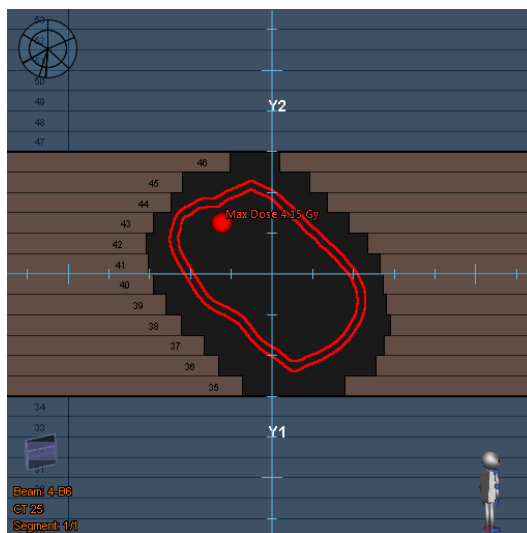
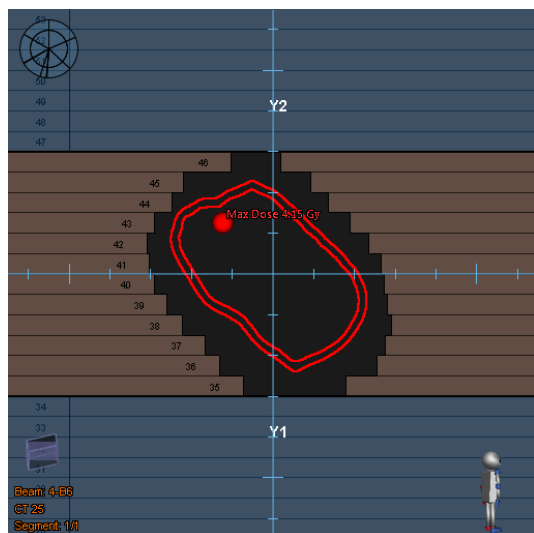
Seg. No.	MU/Fraction	Jaw positions [cm]	
		Y1	Y2
1	63.16	-3.00	3.00

Beam data

Beam name	4-B6
Beam number	7
Beam description	1-B6
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 25.34 Inf-Sup: -21.65 Post-Ant: -16.63
Gantry angle [deg]	240.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	3D-CRT
Number of fractions	1
Beam MU/fraction	1.98
Total beam MU	1.98
Beam weight	0.00
Number of segments	1
Dose calculation algorithm	Collapsed Cone, Version 3.0
Treatment unit	ARTISTE3
Commission time	05 Nov 2014, 10:34:16 (hr:min:sec)
Energy [MV]	6.00
Jaw max aperture width [cm]	-
X1 [cm]	-
X2 [cm]	-
Jaw max aperture height [cm]	6.00
Y1 [cm]	-3.00
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	83.88
Source to surface distance (isocenter) [cm]	83.88
Bolus data	
No bolus	

Beam dose specification point

Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.017
Physical depth [cm]	16.12
Water equivalent depth [cm]	6.57
Source to skin distance [cm]	83.88
Source to surface distance [cm]	83.88



Segments

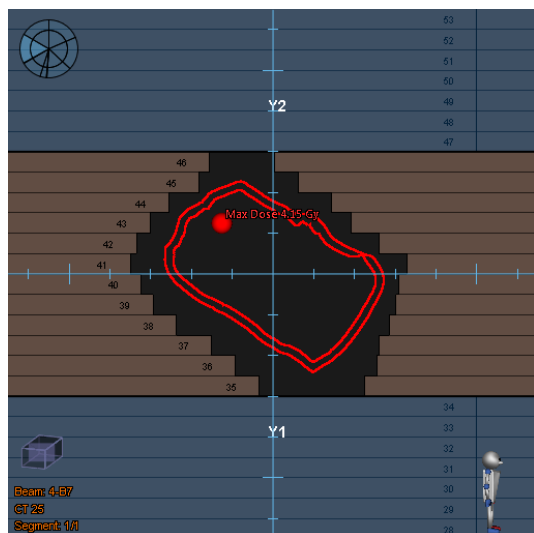
Seg. No.	MU/Fraction	Jaw positions [cm]	
		Y1	Y2
1	1.98	-3.00	3.00

Beam data

Beam name	4-B7
Beam number	8
Beam description	1-B7
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 25.34 Inf-Sup: -21.65 Post-Ant: -16.63
Gantry angle [deg]	280.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	3D-CRT
Number of fractions	1
Beam MU/fraction	89.07
Total beam MU	89.07
Beam weight	0.16
Number of segments	1
Dose calculation algorithm	Collapsed Cone, Version 3.0
Treatment unit	ARTISTE3
Commission time	05 Nov 2014, 10:34:16 (hr:min:sec)
Energy [MV]	6.00
Jaw max aperture width [cm]	-
X1 [cm]	-
X2 [cm]	-
Jaw max aperture height [cm]	6.00
Y1 [cm]	-3.00
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	86.13
Source to surface distance (isocenter) [cm]	86.13
Bolus data	
No bolus	

Beam dose specification point

Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.780
Physical depth [cm]	13.87
Water equivalent depth [cm]	5.36
Source to skin distance [cm]	86.13
Source to surface distance [cm]	86.13



Segments

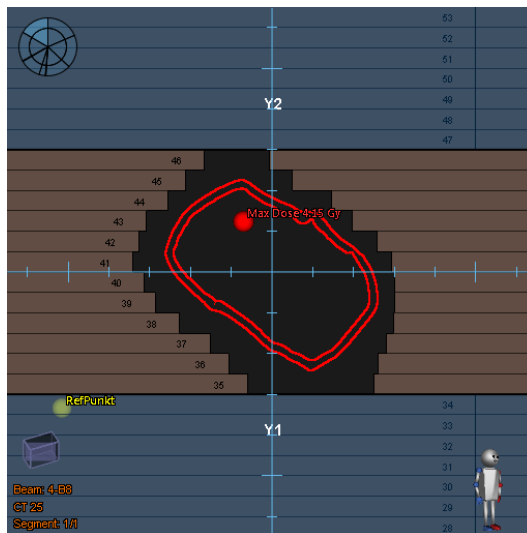
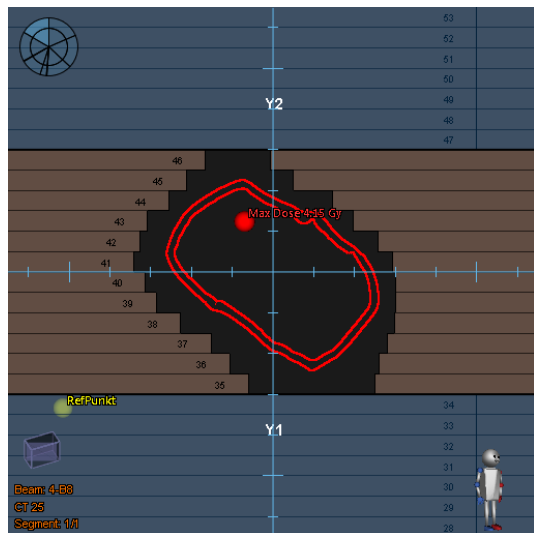
Seg. No.	MU/Fraction	Jaw positions [cm]	
		Y1	Y2
1	89.07	-3.00	3.00

Beam data

Beam name	4-B8
Beam number	9
Beam description	1-B8
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 25.34 Inf-Sup: -21.65 Post-Ant: -16.63
Gantry angle [deg]	320.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	3D-CRT
Number of fractions	1
Beam MU/fraction	90.28
Total beam MU	90.28
Beam weight	0.17
Number of segments	1
Dose calculation algorithm	Collapsed Cone, Version 3.0
Treatment unit	ARTISTE3
Commission time	05 Nov 2014, 10:34:16 (hr:min:sec)
Energy [MV]	6.00
Jaw max aperture width [cm]	-
X1 [cm]	-
X2 [cm]	-
Jaw max aperture height [cm]	6.00
Y1 [cm]	-3.00
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	86.67
Source to surface distance (isocenter) [cm]	86.67
Bolus data	
No bolus	

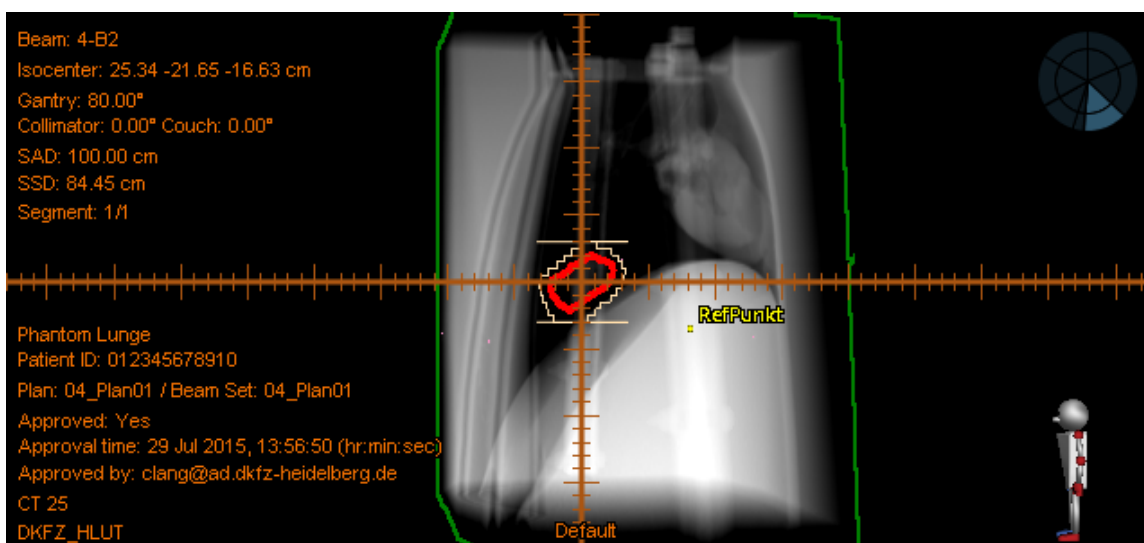
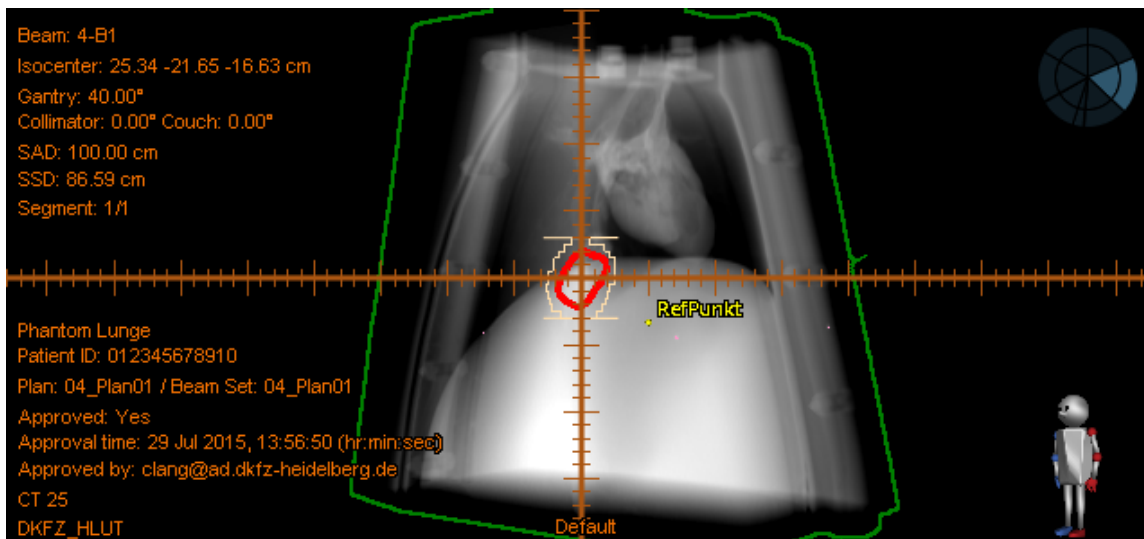
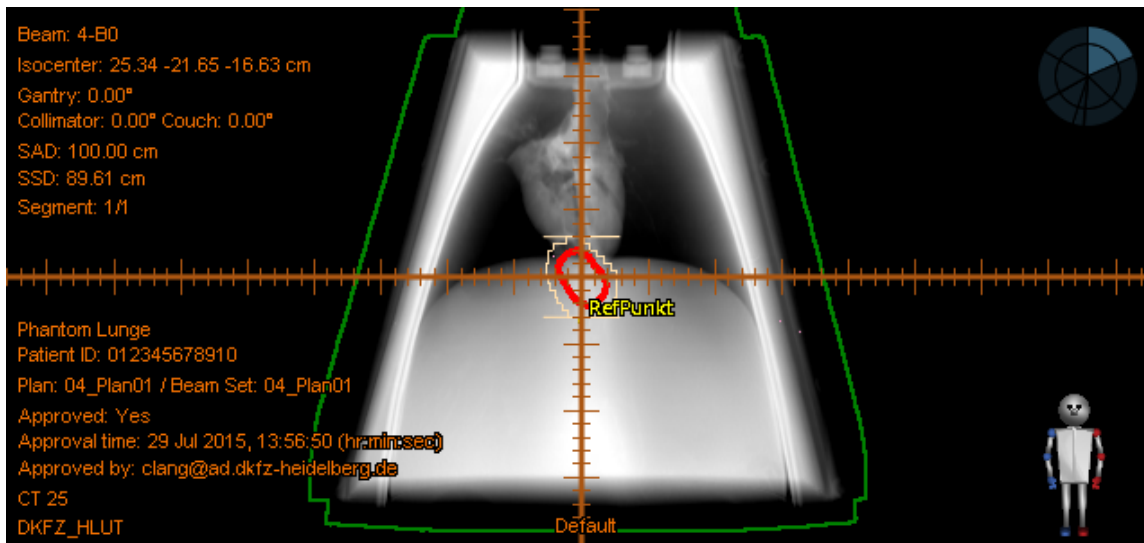
Beam dose specification point

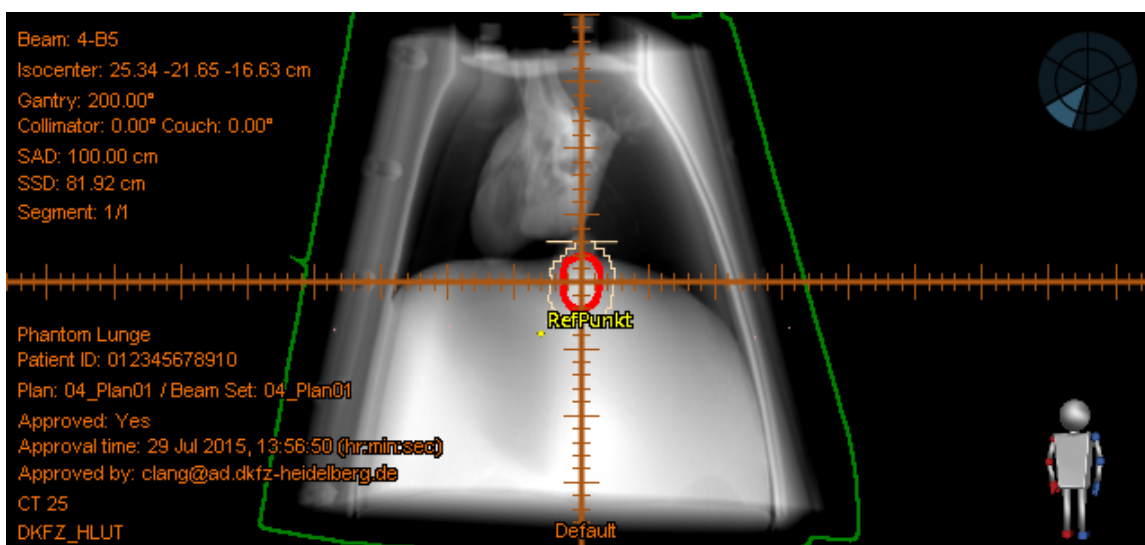
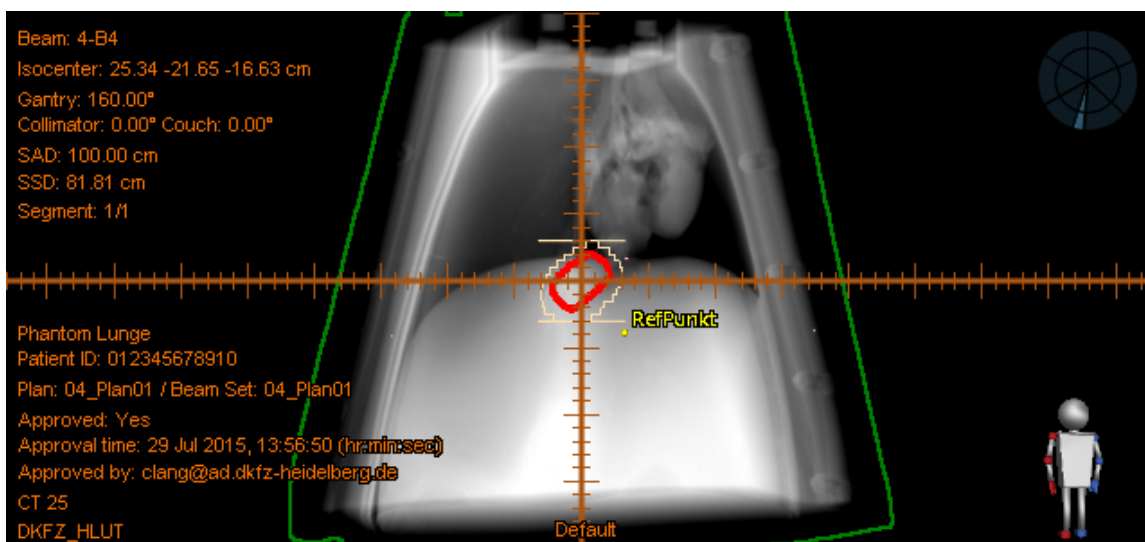
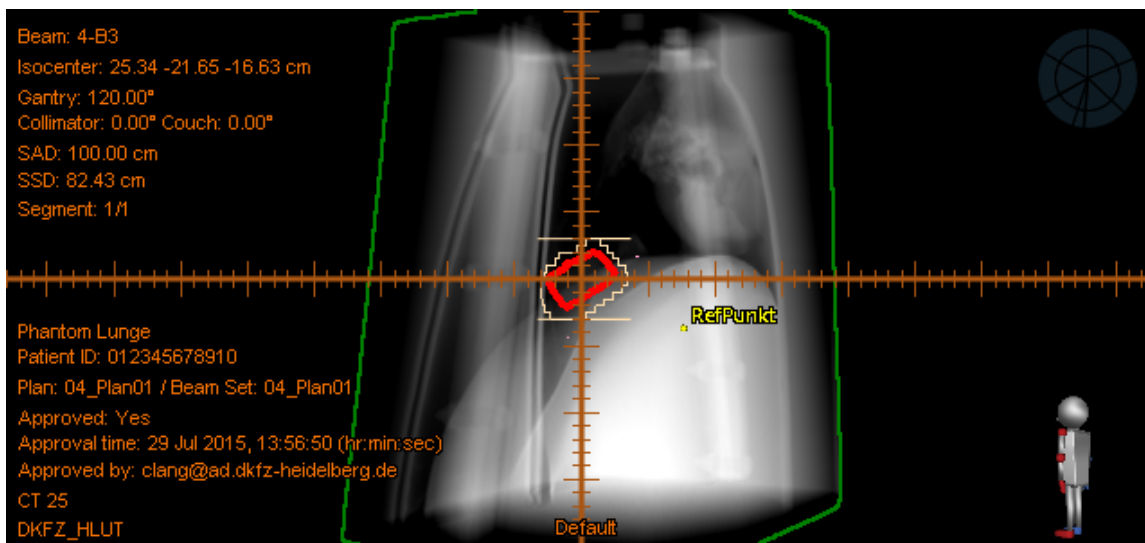
Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.728
Physical depth [cm]	13.33
Water equivalent depth [cm]	7.30
Source to skin distance [cm]	86.67
Source to surface distance [cm]	86.67

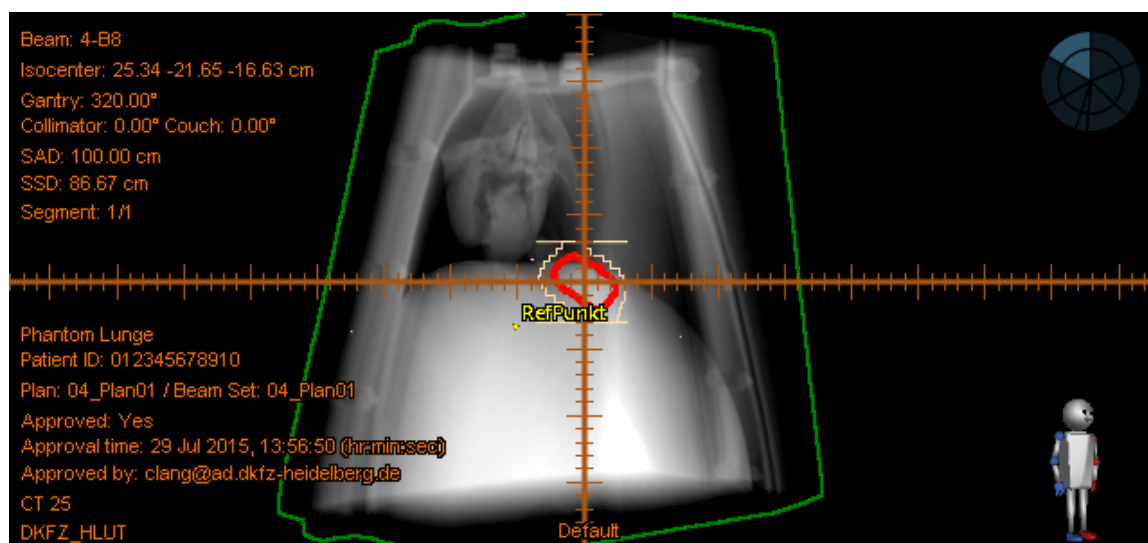
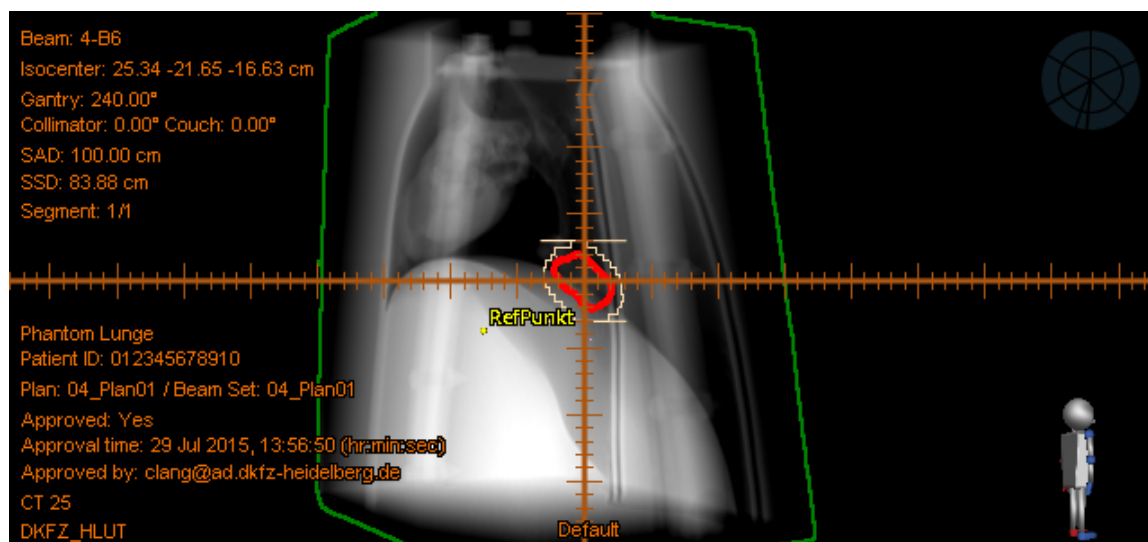


Segments

Seg. No.	MU/Fraction	Jaw positions [cm]	
		Y1	Y2
1	90.28	-3.00	3.00









Patient name Phantom Lunge
Patient ID 012345678910
Treatment plan name 04_Plan01

Plan last save time
Report creation time
Plan and structure set approved
Plan approved by
Plan approval time

29 Jul 2015, 13:56:50 (hr:min:sec)
29 Jul 2015, 13:58:48 (hr:min:sec)
Yes
clang@ad.dkfz-heidelberg.de
29 Jul 2015, 13:56:50 (hr:min:sec)

Import log

13 May 2015, 12:59:57 (hr:min:sec)	AD\meduser	Starting import. RayStation version 4.5.0.19
13 May 2015, 13:00:03 (hr:min:sec)	AD\meduser	DICOM import succeeded
13 May 2015, 13:11:13 (hr:min:sec)	AD\meduser	Starting import. RayStation version 4.5.0.19
13 May 2015, 13:12:10 (hr:min:sec)	AD\meduser	DICOM import succeeded
13 May 2015, 13:12:10 (hr:min:sec)	AD\meduser	Please note the following warnings / assumptions:
13 May 2015, 13:12:10 (hr:min:sec)	AD\meduser	#1 Patient's Name differed from the current patient.
		Name of current patient: Lunge^Phantom
		Mismatching names from imported data: LUNGE^PHANTOM
10 Jun 2015, 15:17:56 (hr:min:sec)	AD\meduser	Starting import. RayStation version 4.5.0.19
10 Jun 2015, 15:18:01 (hr:min:sec)	AD\meduser	DICOM import succeeded
10 Jun 2015, 15:18:01 (hr:min:sec)	AD\meduser	Please note the following warnings / assumptions:
10 Jun 2015, 15:18:01 (hr:min:sec)	AD\meduser	#1 Patient's Name differed from the current patient.
		Name of current patient: Lunge^Phantom
		Mismatching names from imported data: LUNGE^PHANTOM
17 Jun 2015, 14:31:35 (hr:min:sec)	AD\meduser	Starting import. RayStation version 4.5.0.19
17 Jun 2015, 14:31:38 (hr:min:sec)	AD\meduser	DICOM import succeeded
17 Jun 2015, 15:21:43 (hr:min:sec)	AD\meduser	Starting import. RayStation version 4.5.0.19
17 Jun 2015, 15:22:28 (hr:min:sec)	AD\meduser	DICOM import succeeded
17 Jun 2015, 15:22:28 (hr:min:sec)	AD\meduser	Please note the following warnings / assumptions:
17 Jun 2015, 15:22:28 (hr:min:sec)	AD\meduser	#1 Patient's Name differed from the current patient.
		Name of current patient: Lunge^Phantom
		Mismatching names from imported data: LUNGE^PHANTOM
29 Jul 2015, 13:17:38 (hr:min:sec)	AD\meduser	Starting import. RayStation version 4.5.0.19
29 Jul 2015, 13:17:44 (hr:min:sec)	AD\meduser	DICOM import succeeded