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	1.2.826.0.1.3680043.8.176.201561716313960.411.3010057354
Structure set approval data	
Approved	No
Approved by	-
Approval time	-

Treatment plan data

Treatment plan name	IMRT
Plan last save time	10 Jun 2015, 15:46:30 (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	10 Jun 2015, 15:46:30 (hr:min:sec)
Plan comment	
Planning image set	CT 13
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	30 Jun 2015, 10:17:41 (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	IMRT
Treatment technique	SMLC
Treatment unit	ARTISTE3
Number of beams	5

Warnings [IMRT]

- Prescription is not fulfilled.
  Prescribed: 4.00 Gy as average dose in Tumor
  Value: 3.99 Gy
  Relates to beam set dose

Signatures

Signature 1 (Name/Signature/Date)

Signature 2 (Name/Signature/Date)

Beam Set Report

Beam Set data

Beam Set name	IMRT
Modality	Photons
Treatment technique	SMLC
Number of beams	5
Number of segments	21
DICOM Plan UID	1.2.826.0.1.3680043.8.176.2015610154630739.865.2735753486
Planning image set	CT 13
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	585.81
Number of fractions	1
ROI(s) with density override	
Beam set approval data	
Approved	Yes
Approved by	clang@ad.dkfz-heidelberg.de
Approval time	10 Jun 2015, 15:46:30 (hr:min:sec)

Beam Data Overview [Right-Left: 24.26 Inf-Sup: -23.99 Post-Ant: -19.90]

#	Beam name	Number of segments	Maximum jaw aperture [cm] Y1	Y2	Gantry angle [deg]	Coll. angle [deg]	Couch angle [deg]	MU per fraction	Bolus [Y/N]	Block [Y/N]
1	B1	4	-3.50	3.00	0.0	0.0	0.0	114.99	N	N
2	B2	5	-3.50	3.00	120.0	0.0	0.0	118.91	N	N
3	B3	4	-3.00	3.00	240.0	0.0	0.0	116.81	N	N
4	B4	4	-3.50	3.00	60.0	0.0	0.0	109.03	N	N
5	B5	4	-3.50	3.00	300.0	0.0	0.0	126.07	N	N

Objectives

Dose	Function	ROI	Description	Robust	Weight	Value
Plan	Uniform Dose	Tumor	Uniform Dose 4.00 Gy	No	1	5.5044E-4

Constraints

No constraints defined

Prescription

Prescription	4.00 Gy as average dose in Tumor
Value [Gy]	3.99
Fulfilled	No
Relates to beam set dose	

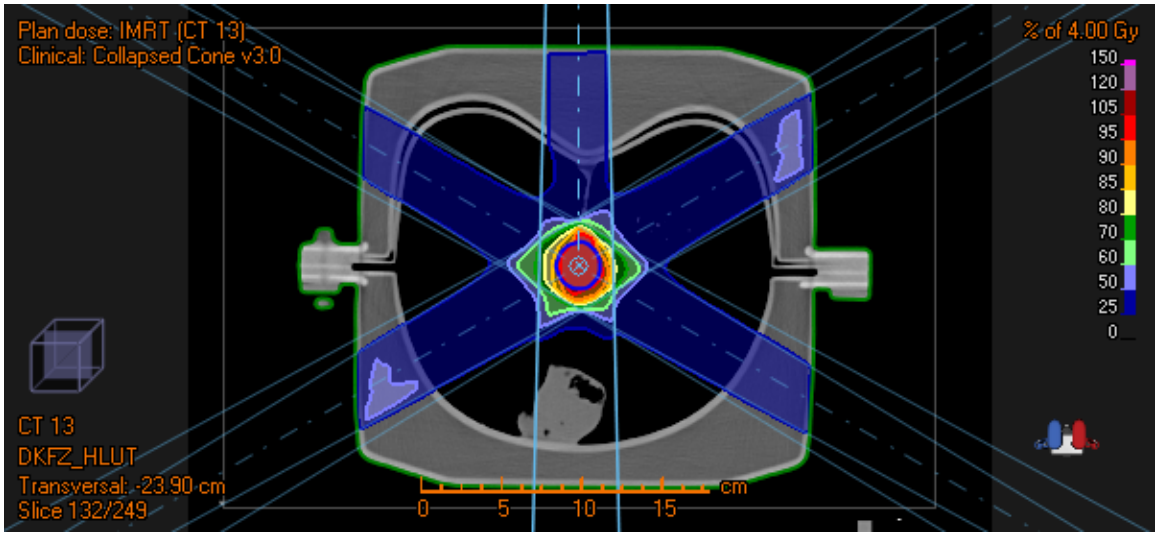
Patient setup

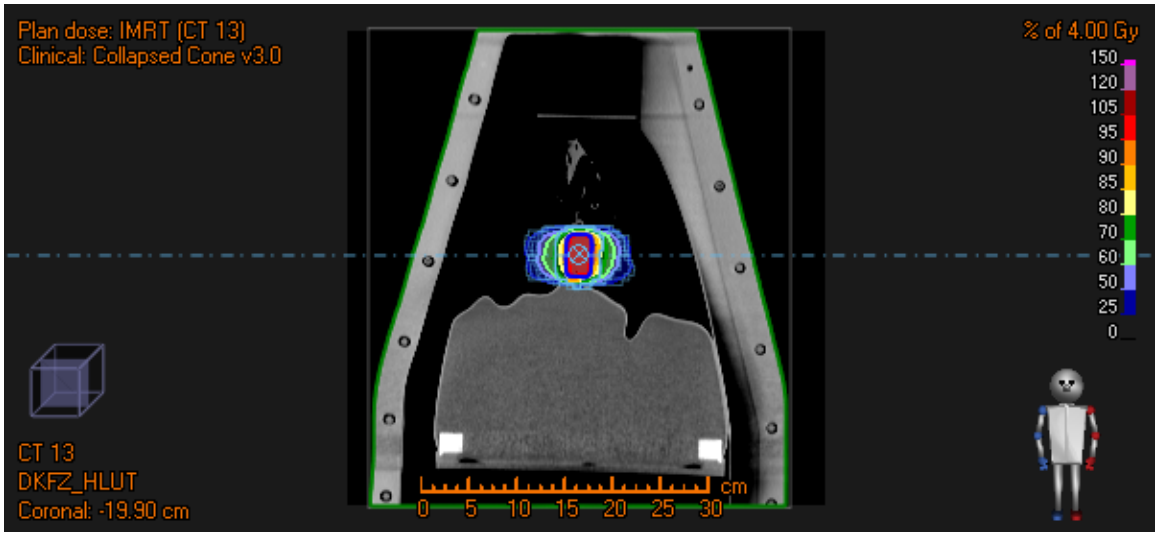
Localization point	
Treatment position	HFS : Head First Supine
POI	RefPunkt
Position [cm]	X(Right-Left) = 25.15 , Y(Inf-Sup) = -29.1 , Z(Post-Ant) = -8.06
Patient setup	
Beams	B1, B2, B3, B4, B5
Isocenter [cm]	X(R-L) = 24.26 , Y(I-S) = -23.99 , Z(P-A) = -19.9
Localization point - Isocenter [cm]	X(R-L) = 0.89 , Y(I-S) = -5.11 , Z(P-A) = 11.84

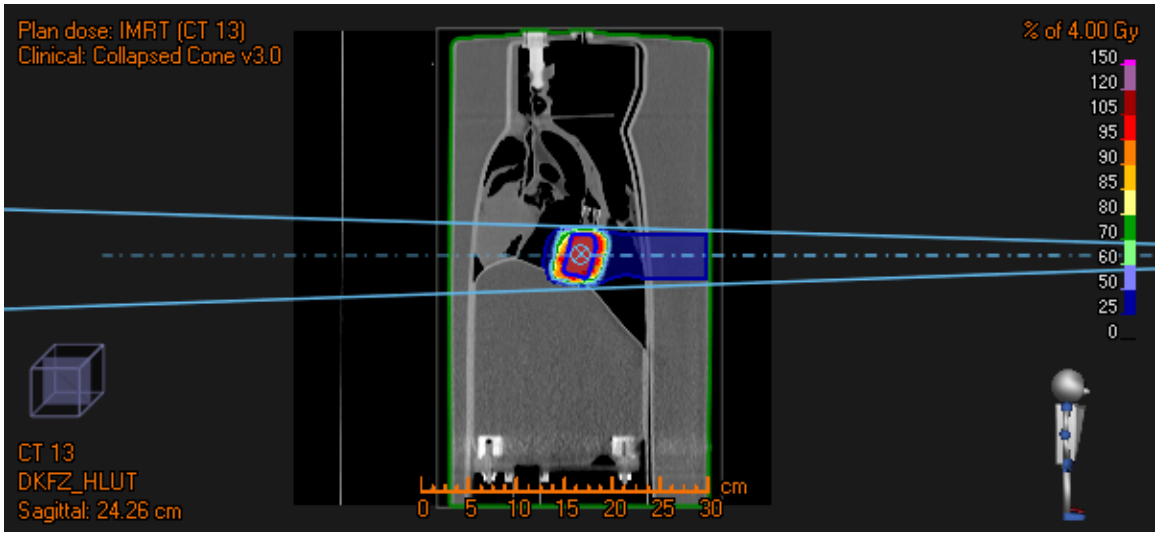
Position patient such that lasers line up with patient marks.
Move the couch according to the PATIENT coordinate system:
LEFT 0.89 cm (patient's left)
INFERIOR 5.11 cm
ANTERIOR 11.84 cm

Beamset dose data

Isocenter [cm]	Right-Left: 24.26 Inf-Sup: -23.99 Post-Ant: -19.90
Dose grid resolution [cm]	Right-Left: 0.20 Inf-Sup: 0.20 Post-Ant: 0.20
Beams	B1, B2, B3, B4, B5





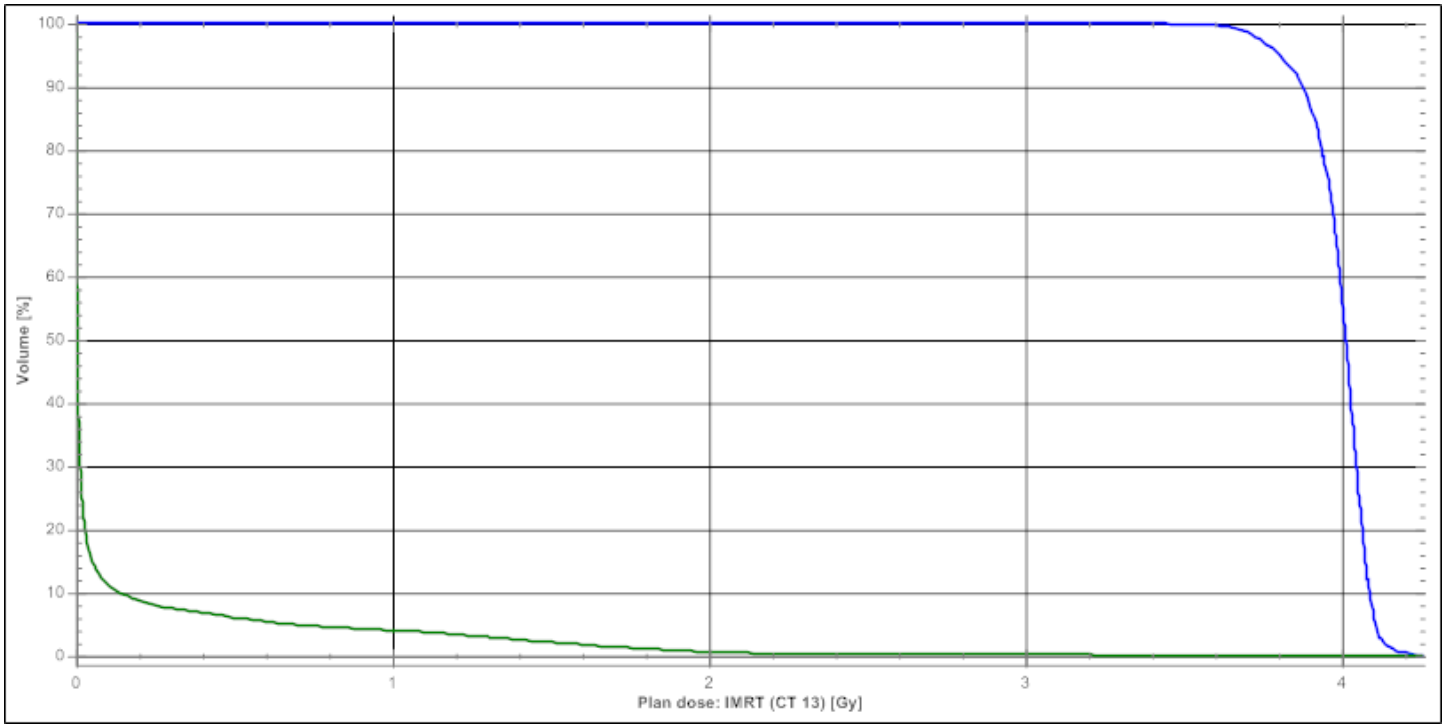


Points Of Interest

			Beam isocenters [cm]	Point - Isocenter [cm]
●	Name	**RefPunkt**	**Right-Left: 24.26**	**Right-Left: 0.89**
	Type	**Localization point**	**Inf-Sup: -23.99**	**Inf-Sup: -5.11**
	Dose [Gy]	**0.01 [Interpolated]**	**Post-Ant: -19.90**	**Post-Ant: 11.84**
	Location [cm]	**Right-Left: 25.15** **Inf-Sup: -29.1** **Post-Ant: -8.06**		
●	Name	**Iso**		
	Type	**Isocenter**		
	Dose [Gy]	**0.00 [Interpolated]**		
	Location [cm]	**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: IMRT (CT 13)	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	38495.56	0.00	0.00	0.00	0.10	0.00	1.55	1.86	0
GTV									-
ITV									-
PTV									-
Tumor	24.34	3.68	3.73	3.80	3.99	4.01	4.13	4.17	0

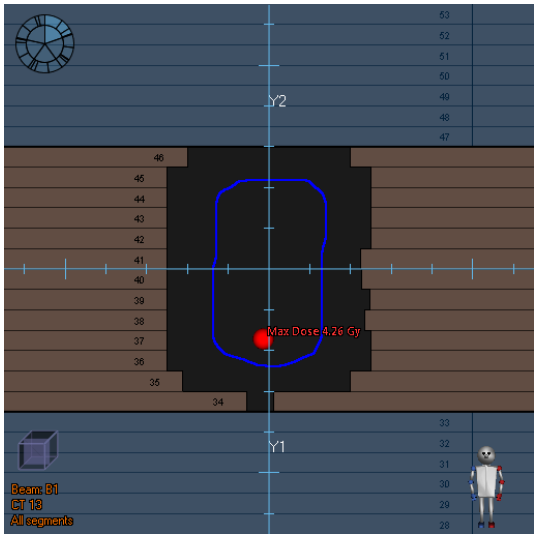
External — This ROI is set as the external ROI that defines the outer border of the patient

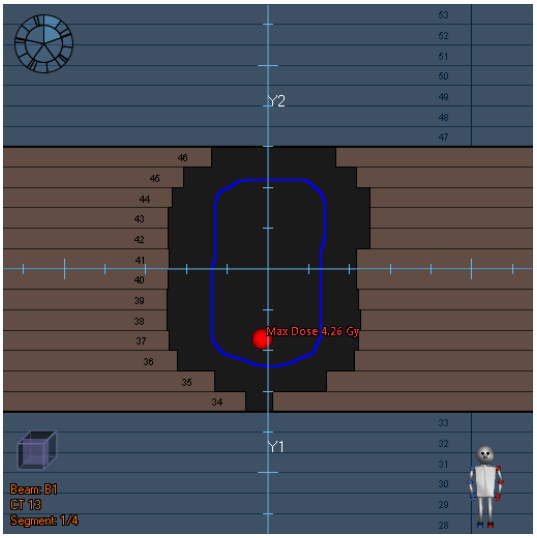
Beam data

Beam name	B1
Beam number	1
Beam description	
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 24.26 Inf-Sup: -23.99 Post-Ant: -19.90
Gantry angle [deg]	0.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	SMLC
Number of fractions	1
Beam MU/fraction	114.99
Total beam MU	114.99
Beam weight	0.20
Number of segments	4
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]	6.50
Y1 [cm]	-3.50
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	86.38
Source to surface distance (isocenter) [cm]	86.38
Bolus data	
No bolus	

Beam dose specification point

Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.701
Physical depth [cm]	13.62
Water equivalent depth [cm]	11.29
Source to skin distance [cm]	86.38
Source to surface distance [cm]	86.38





Segments

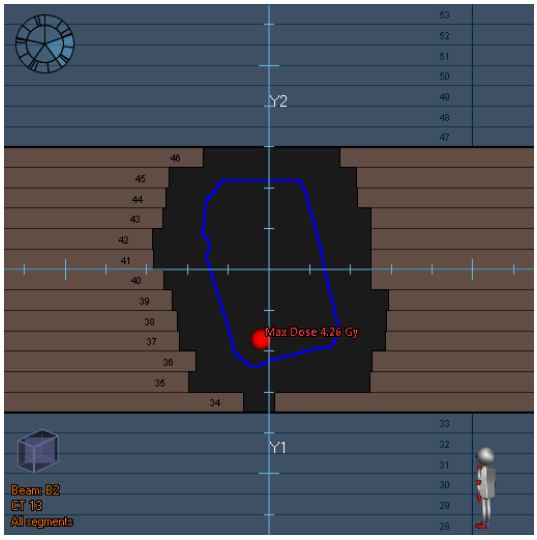
Seg. No.	MU/Fraction	Jaw positions [cm] Y1	Y2
1	59.35	-3.50	3.00
2	34.44	-3.50	3.00
3	18.12	-3.50	3.00
4	3.09	-3.50	3.00

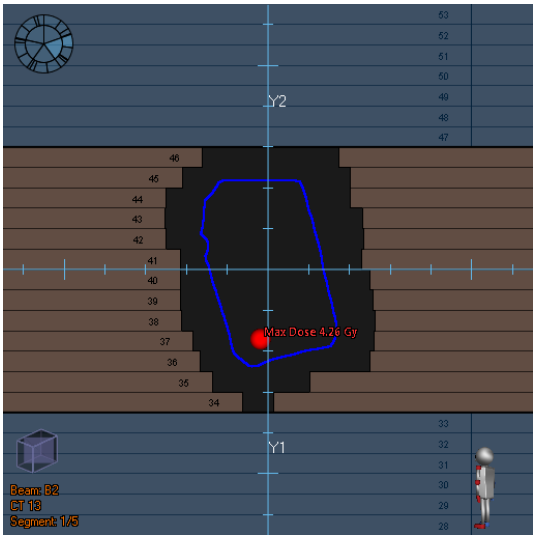
Beam data

Beam name	B2
Beam number	2
Beam description	
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 24.26 Inf-Sup: -23.99 Post-Ant: -19.90
Gantry angle [deg]	120.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	SMLC
Number of fractions	1
Beam MU/fraction	118.91
Total beam MU	118.91
Beam weight	0.20
Number of segments	5
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]	6.50
Y1 [cm]	-3.50
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	83.26
Source to surface distance (isocenter) [cm]	83.26
Bolus data	
No bolus	

Beam dose specification point

Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.757
Physical depth [cm]	16.74
Water equivalent depth [cm]	7.96
Source to skin distance [cm]	83.26
Source to surface distance [cm]	83.26





Segments

Seg. No.	MU/Fraction	Jaw positions [cm] Y1	Y2
1	43.88	-3.50	3.00
2	41.98	-3.50	3.00
3	2.38	-3.50	3.00
4	8.81	-3.50	3.00
5	21.85	-3.50	3.00

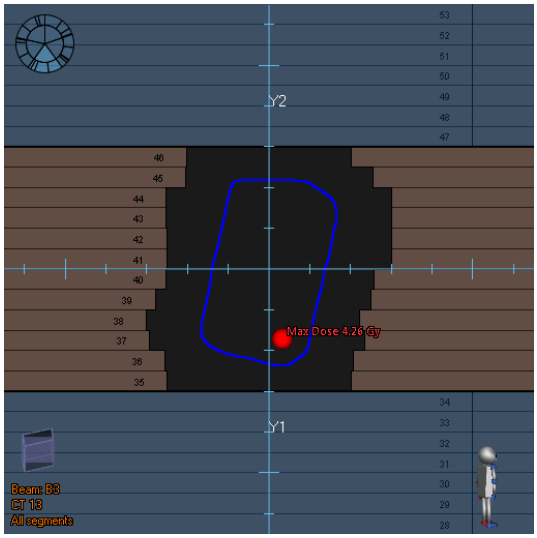
Beam data

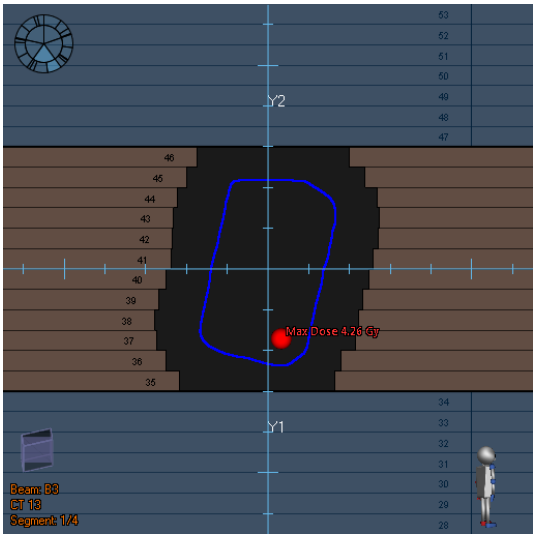
Beam name	B3
Beam number	3
Beam description	
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 24.26 Inf-Sup: -23.99 Post-Ant: -19.90
Gantry angle [deg]	240.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	SMLC
Number of fractions	1
Beam MU/fraction	116.81
Total beam MU	116.81
Beam weight	0.20
Number of segments	4
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]	83.95
Source to surface distance (isocenter) [cm]	83.95
Bolus data	
No bolus	

Beam dose specification point

Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.868
Physical depth [cm]	16.05

Water equivalent depth [cm]	7.14
Source to skin distance [cm]	83.95
Source to surface distance [cm]	83.95





Segments

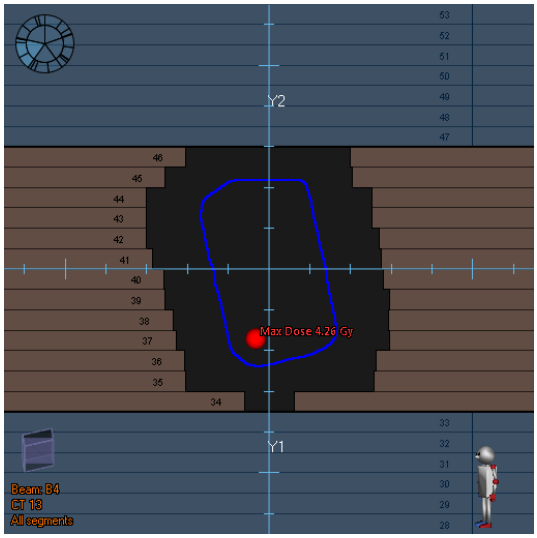
Seg. No.	MU/Fraction	Jaw positions [cm] Y1	Y2
1	46.54	-3.00	3.00
2	46.79	-3.00	3.00
3	14.10	-3.00	3.00
4	9.38	-3.00	3.00

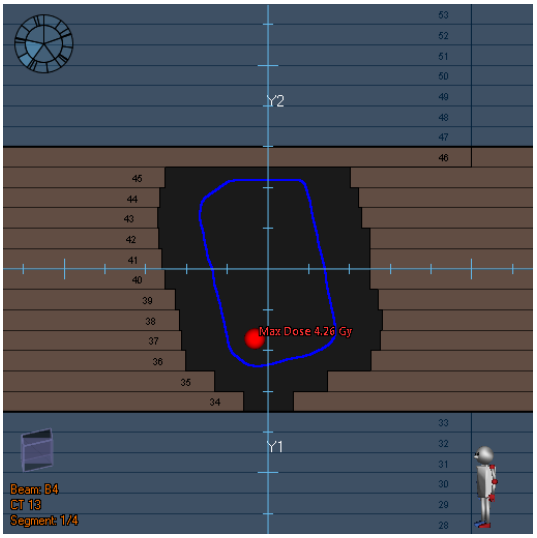
Beam data

Beam name	B4
Beam number	4
Beam description	
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 24.26 Inf-Sup: -23.99 Post-Ant: -19.90
Gantry angle [deg]	60.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	SMLC
Number of fractions	1
Beam MU/fraction	109.03
Total beam MU	109.03
Beam weight	0.19
Number of segments	4
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]	6.50
Y1 [cm]	-3.50
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	83.01
Source to surface distance (isocenter) [cm]	83.01
Bolus data	
No bolus	

Beam dose specification point

Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.850
Physical depth [cm]	16.99
Water equivalent depth [cm]	7.25
Source to skin distance [cm]	83.01
Source to surface distance [cm]	83.01





Segments

Seg. No.	MU/Fraction	Jaw positions [cm] Y1	Y2
1	42.67	-3.50	3.00
2	51.17	-3.50	3.00
3	12.11	-3.50	3.00
4	3.07	-3.50	3.00

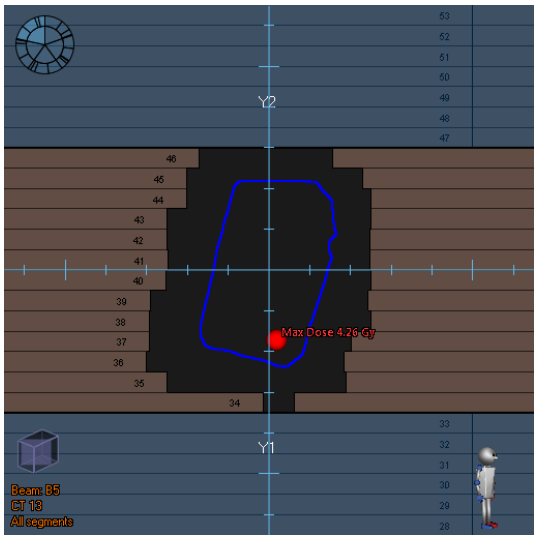
Beam data

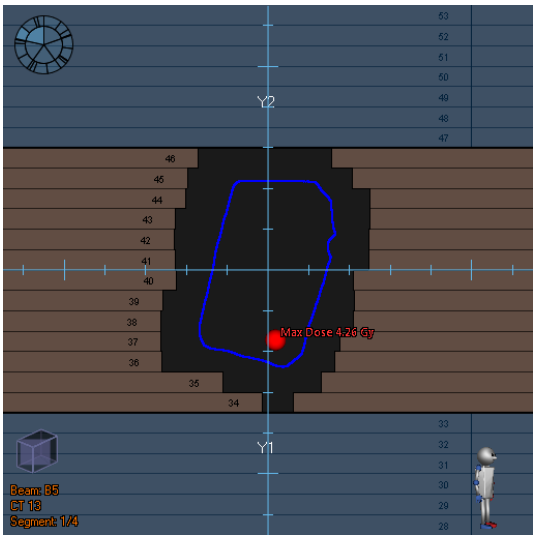
Beam name	B5
Beam number	5
Beam description	
Patient coordinate system	IEC 61217
Isocenter [cm]	Right-Left: 24.26 Inf-Sup: -23.99 Post-Ant: -19.90
Gantry angle [deg]	300.0
Collimator angle [deg]	0.0
Couch angle [deg]	0.0
Treatment technique	SMLC
Number of fractions	1
Beam MU/fraction	126.07
Total beam MU	126.07
Beam weight	0.22
Number of segments	4
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]	6.50
Y1 [cm]	-3.50
Y2 [cm]	3.00
Source to skin distance (isocenter) [cm]	84.34
Source to surface distance (isocenter) [cm]	84.34
Bolus data	

No bolus

Beam dose specification point

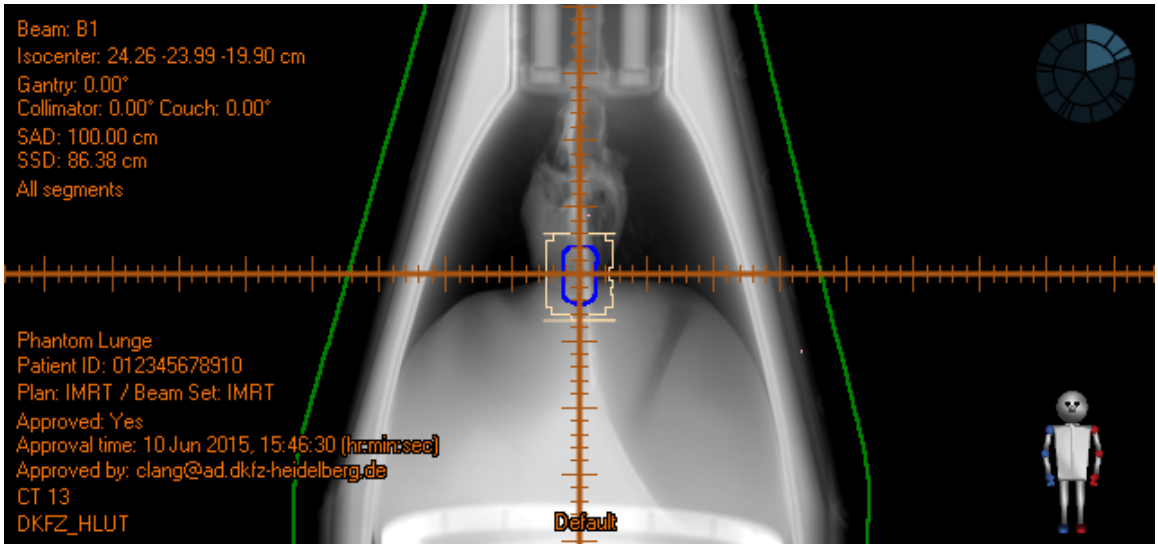
Coordinates [cm]	Isocenter
Dose per fraction [Gy]	0.880
Physical depth [cm]	15.66
Water equivalent depth [cm]	5.99
Source to skin distance [cm]	84.34
Source to surface distance [cm]	84.34

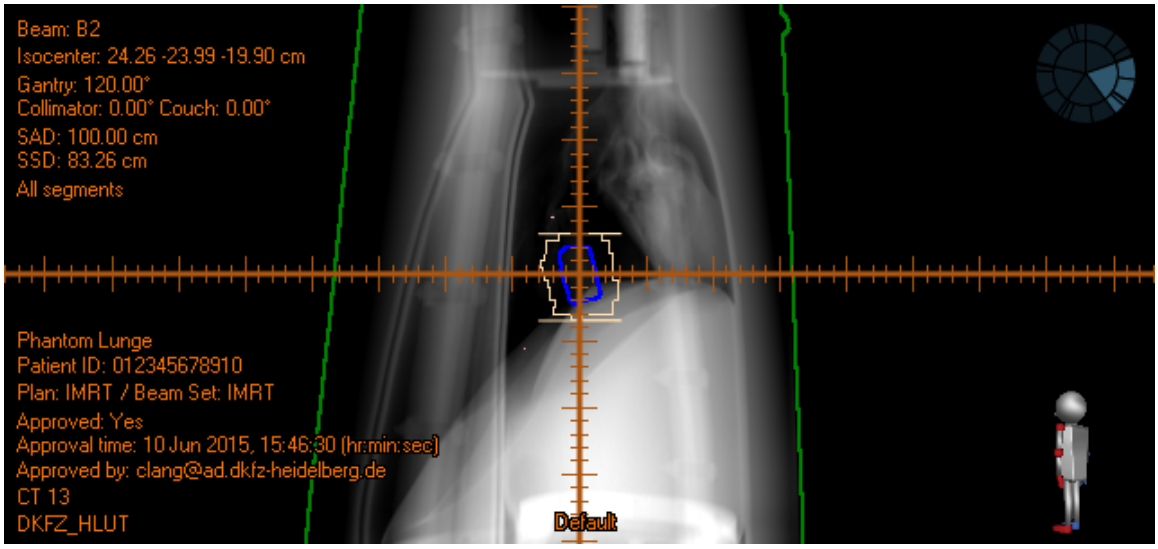


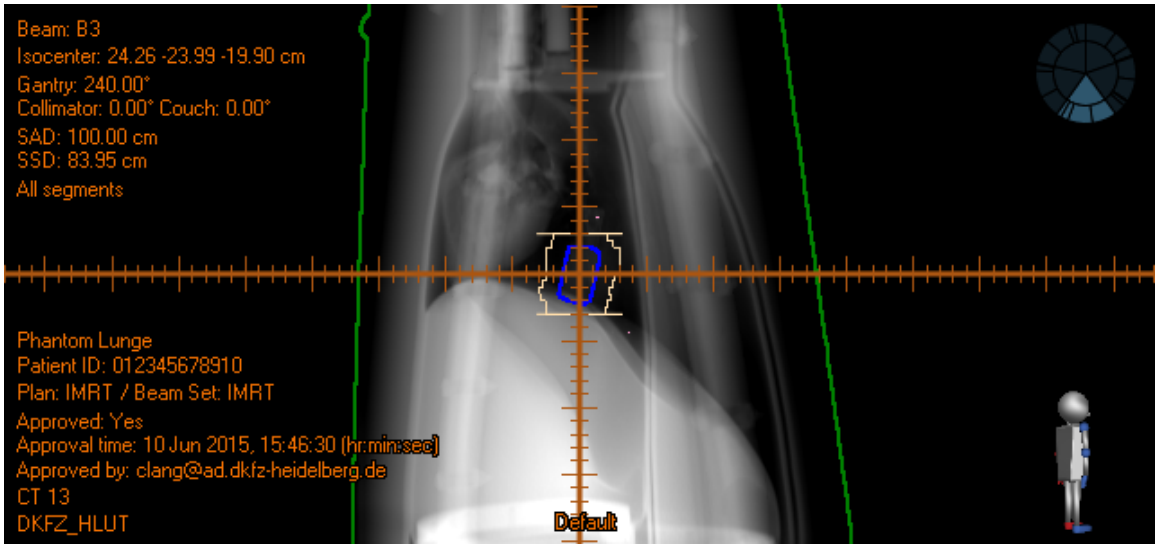


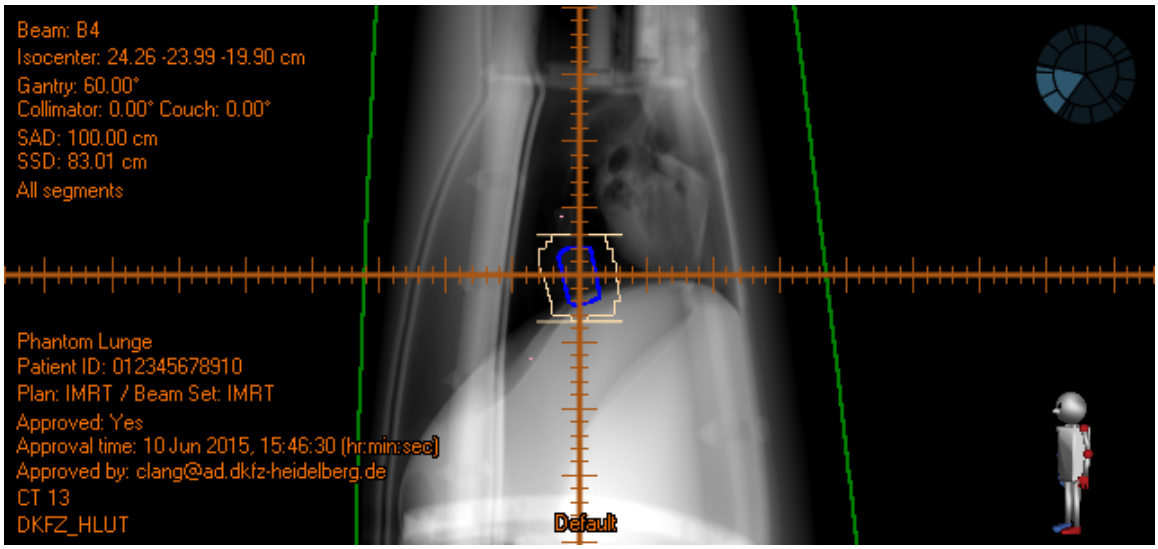
Segments

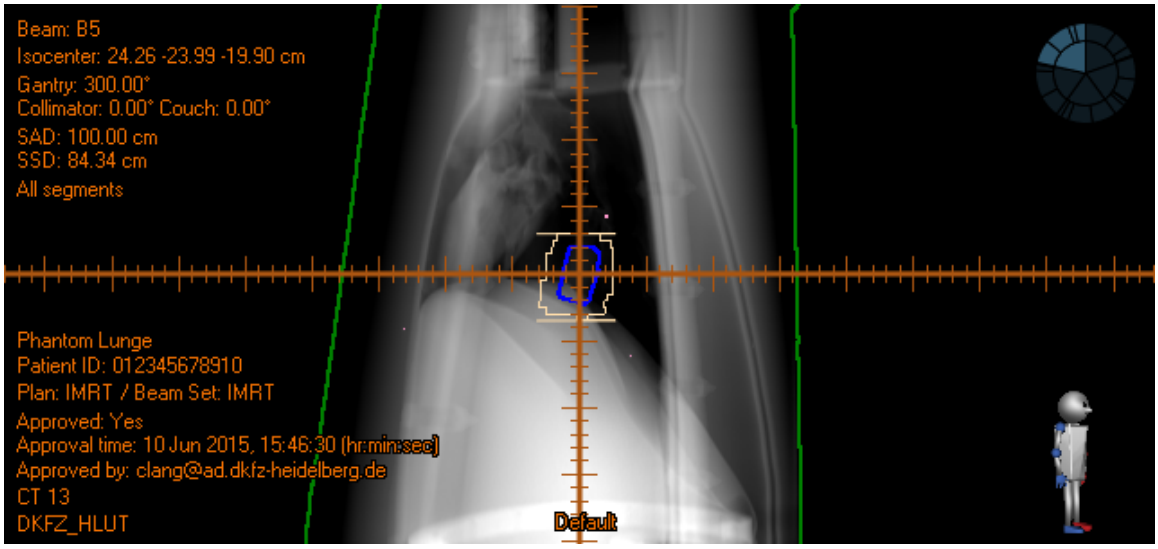
Seg. No.	MU/Fraction	Jaw positions [cm] Y1	Y2
1	44.67	-3.50	3.00
2	47.85	-3.50	3.00
3	11.60	-3.50	3.00
4	21.95	-3.50	3.00




Beam: B2
Isocenter: 24.26 -23.99 -19.90 cm
Gantry: 120.00°
Collimator: 0.00° Couch: 0.00°
SAD: 100.00 cm
SSD: 83.26 cm
All segments
Phantom Lunge
Patient ID: 012345678910
Plan: IMRT / Beam Set: IMRT
Approved: Yes
Approval time: 10 Jun 2015, 15:46:30 (hr:min:sec)
Approved by: clang@ad.dkfz-heidelberg.de
CT 13
DKFZ_HLUT
Default


Beam: B3
Isocenter: 24.26 -23.99 -19.90 cm
Gantry: 240.00°
Collimator: 0.00° Couch: 0.00°
SAD: 100.00 cm
SSD: 83.95 cm
All segments
Phantom Lunge
Patient ID: 012345678910
Plan: IMRT / Beam Set: IMRT
Approved: Yes
Approval time: 10 Jun 2015, 15:46:30 (hr:min:sec)
Approved by: clang@ad.dkfz-heidelberg.de
CT 13
DKFZ_HLUT
Default


Beam: B4
Isocenter: 24.26 -23.99 -19.90 cm
Gantry: 60.00°
Collimator: 0.00° Couch: 0.00°
SAD: 100.00 cm
SSD: 83.01 cm
All segments
Phantom Lunge
Patient ID: 012345678910
Plan: IMRT / Beam Set: IMRT
Approved: Yes
Approval time: 10 Jun 2015, 15:46:30 (hr:min:sec)
Approved by: clang@ad.dkfz-heidelberg.de
CT 13
DKFZ_HLUT
Default


Beam: B5
Isocenter: 24.26 -23.99 -19.90 cm
Gantry: 300.00°
Collimator: 0.00° Couch: 0.00°
SAD: 100.00 cm
SSD: 84.34 cm
All segments
Phantom Lunge
Patient ID: 012345678910
Plan: IMRT / Beam Set: IMRT
Approved: Yes
Approval time: 10 Jun 2015, 15:46:30 (hr:min:sec)
Approved by: clang@ad.dkfz-heidelberg.de
CT 13
DKFZ_HLUT
Default

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