Description

10FFF SingleArc Pläne (typ. PRO-Rezidiv)

Dose prescriptions

66 Gy (11), 74 Gy (6), 70 Gy (3), 50 Gy (1), 64 Gy (1)

Model summary

Number of targets	1
Number of OARs	2
Total number of plans	22

Target structures	
PTV	22

Analyzed OAR structures	
Rectum	22
Bladder	22

PTV

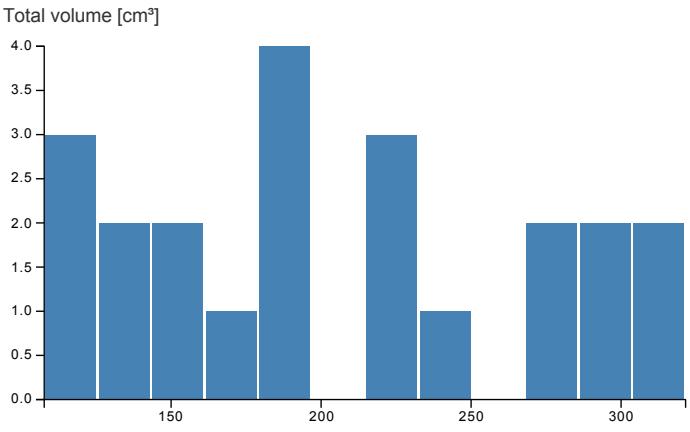
Matched ID:s

PTV(2), PTV PRO(13), PTV PRO-Rez(4), PTV PRO PSARez(1), PTV PRO R1(1), PTV PRO-PSA Rez(1)

Geometric information

Shows volume data for the structure. Reports if more data is needed for a certain volume range.

Feature	Min	Max	Mean	Std
Total volume [cm³]	107.70	321.51	206.90	67.12



Consider adding the following to the model

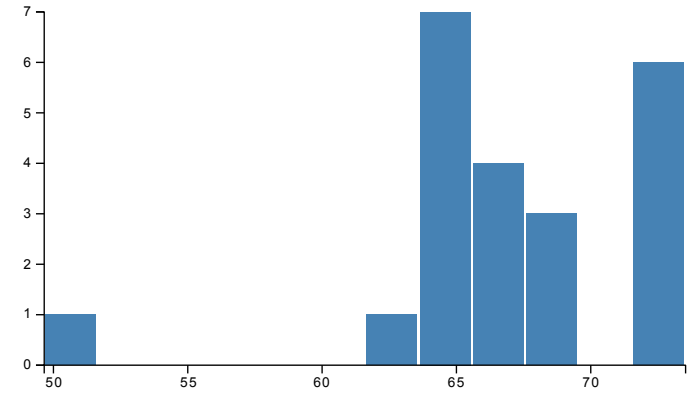
No suggestions

Dosimetric information

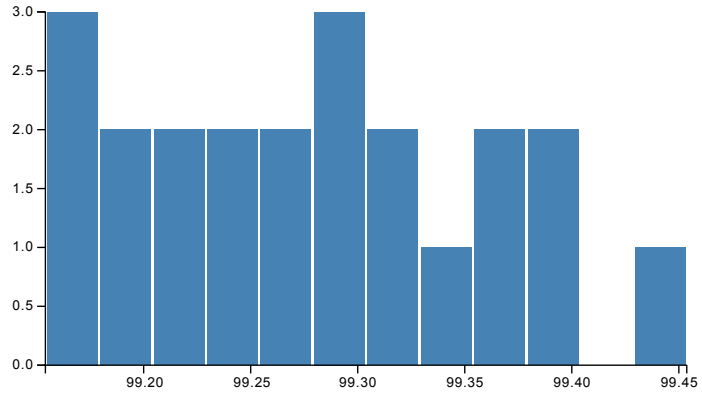
Shows the dose that the target structure receives as well as its dose homogeneity. Reports if homogeneity in this target is lower than in the majority of targets and lists potential trade-offs.

Feature	Min	Max	Mean	Std
Mean dose [Gy]	49.66	73.53	67.42	5.36
Mean dose [%]	99.15	99.45	99.28	0.08
Sigma index	0.92	1.80	1.33	0.27

Mean dose [Gy]



Mean dose [%]



No suggestions

Rectum

Matched ID:s

Rectum(22)

Model information

Reports deviant or influential plan structures. They have the greatest effect on the accuracy of DVH estimates.

Consider removing the following from the model

No suggestions

Check the following plans

Plan #	Structure	Reason
66	Rectum	The geometry of the structure seems to differ from the majority: OAR in-field volume (%) is much bigger than the average (89.19% vs. 71.97%).

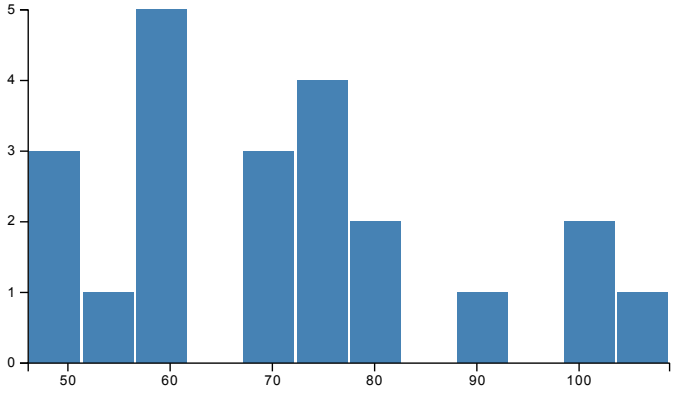
Geometric information

Shows volume data for the structure. Reports if more data is needed for a certain volume range.

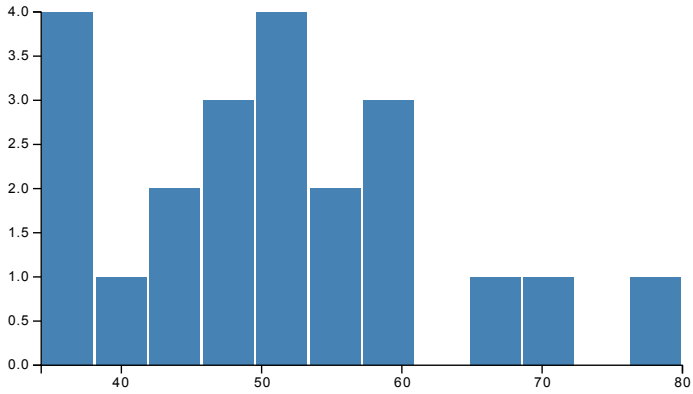
Feature	Min	Max	Mean	Std
Total volume [cm³]	46.12	108.85	71.18	17.30
In-field volume [cm³]	34.28	80.02	50.70	11.31
In-field volume [%]	57.72	89.19	71.97	7.86
Out-of-field volume [cm³]	0.00	8.04	1.20	2.27

Feature	Min	Max	Mean	Std
Out-of-field volume [%]	0.00	11.25	1.62	3.04
Overlap volume with the union of targets [cm³]	3.65	18.32	8.50	3.22
Overlap volume with the union of targets [%]	4.05	23.29	12.40	4.77

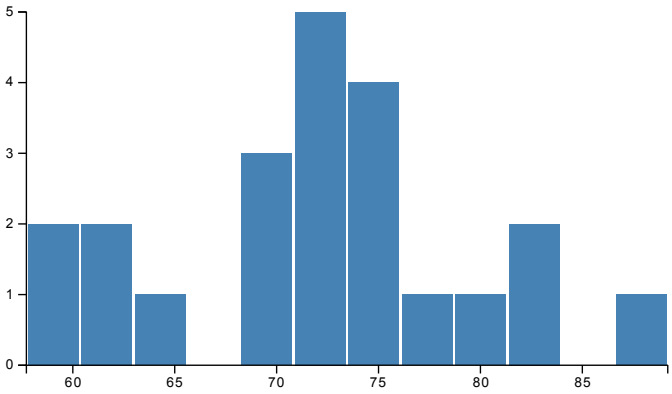
Total volume [cm³]



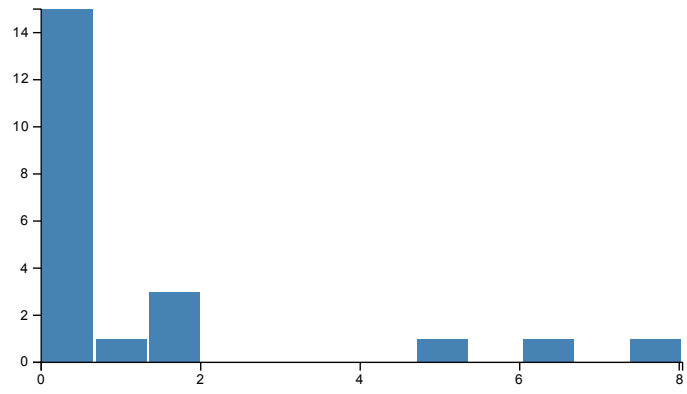
In-field volume [cm³]



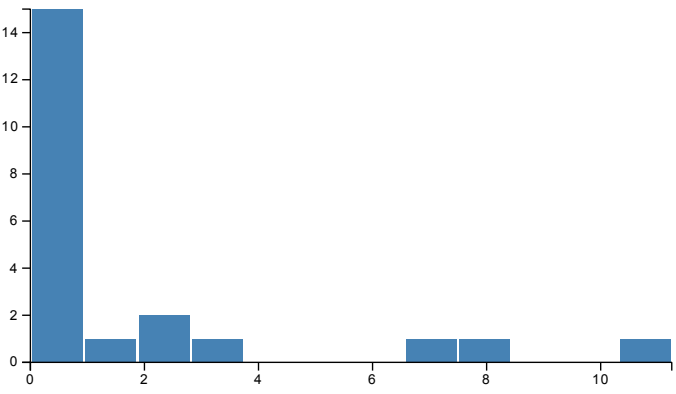
In-field volume [%]



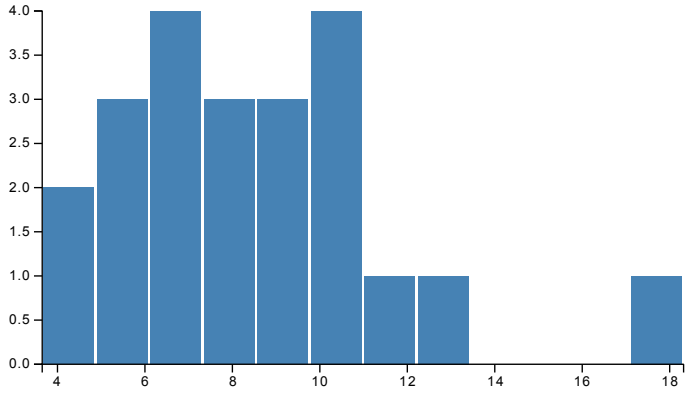
Out-of-field volume [cm³]



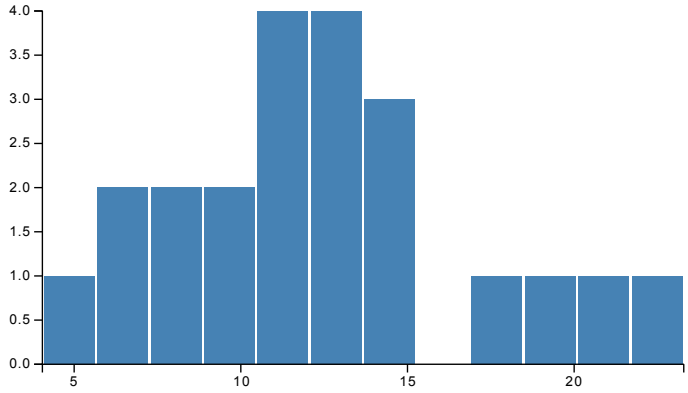
Out-of-field volume [%]



Overlap volume with the union of targets [cm³]



Overlap volume with the union of targets [%]



Consider adding the following to the model

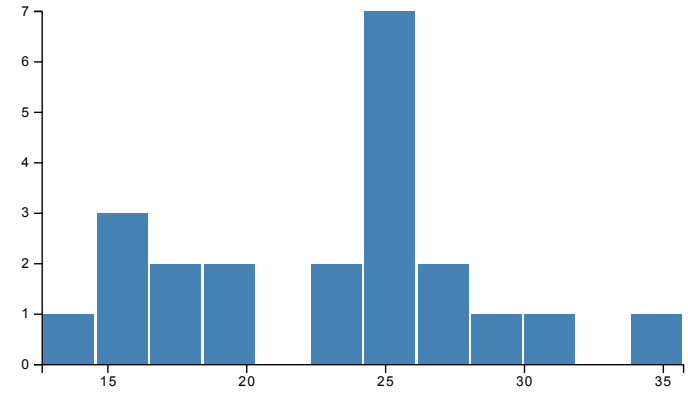
Reason
Not enough data exists for OAR volume between 79.36cm³ and 92.92cm³. To fill the data gap, consider adding more plans to the model.
Not enough data exists for OAR overlap volume with the union of targets between 12.64cm³ and 18.32cm³. To fill the data gap, consider adding more plans to the model.
Not enough data exists for OAR in-field volume (%) between 63.04% and 69.31%. Not enough data exists for OAR in-field volume between 57.78cm³ and 65.77cm³. To fill the data gap, consider adding more plans to the model.

Dosimetric information

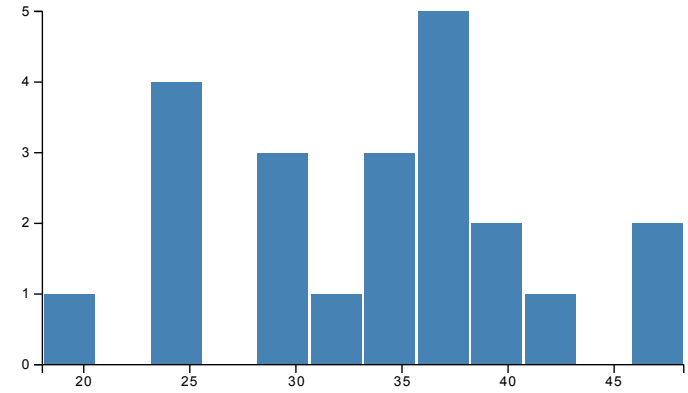
Shows dose that the structure receives. Reports if dose is higher than estimated and lists potential trade-offs.

Feature	Min	Max	Mean	Std
Mean dose [Gy]	12.64	35.73	22.96	5.76
Mean dose [%]	18.05	48.28	33.76	7.74

Mean dose [Gy]



Mean dose [%]



No suggestions

Bladder

Matched ID:s

Bladder(22)

Model information

Reports deviant or influential plan structures. They have the greatest effect on the accuracy of DVH estimates.

Consider removing the following from the model

Plan #	Structure	Reason
56	Bladder	The structure may distort the shape and position of estimated DVHs.
73	Bladder	The structure may distort the shape and position of estimated DVHs.

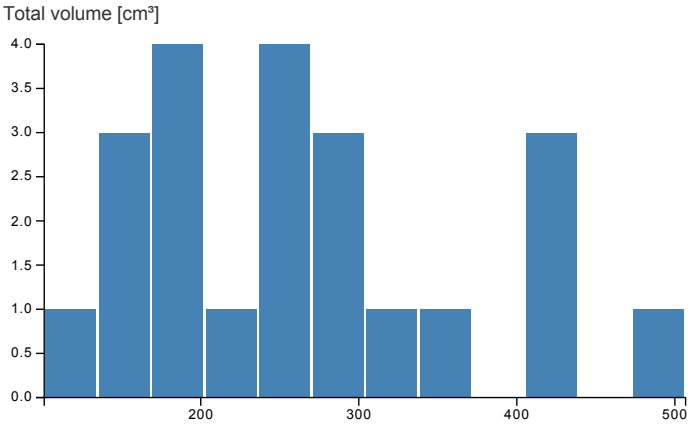
Check the following plans

Plan #	Structure	Reason
56	Bladder	The shape of the estimated DVH seems to differ from the original DVH curve, or the dose of the structure may differ considerably from the average.

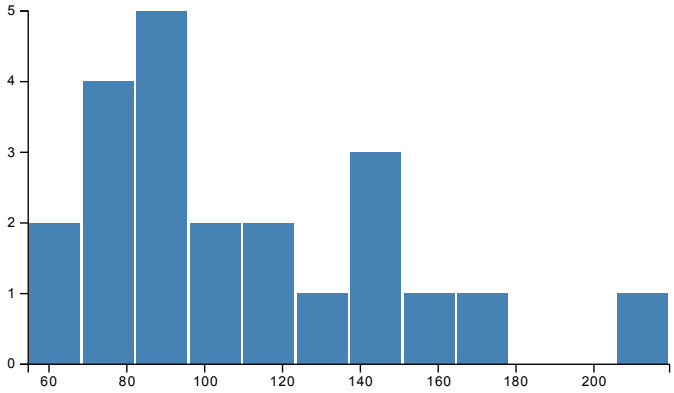
Geometric information

Shows volume data for the structure. Reports if more data is needed for a certain volume range.

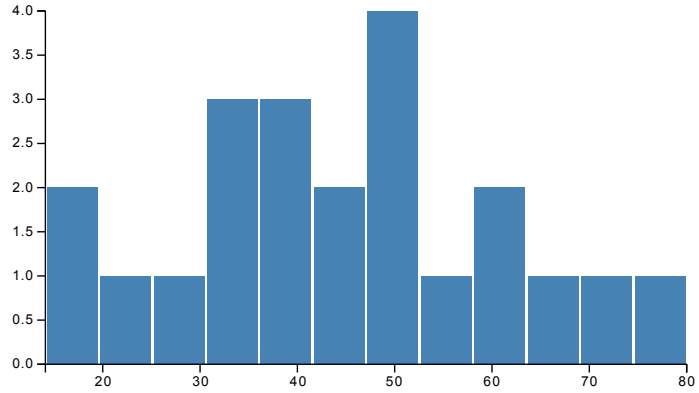
Feature	Min	Max	Mean	Std
Total volume [cm³]	100.94	506.79	267.72	106.77
In-field volume [cm³]	54.67	219.44	109.01	40.85
In-field volume [%]	14.10	80.01	44.89	17.57
Out-of-field volume [cm³]	0.00	229.41	46.07	59.57
Out-of-field volume [%]	0.00	45.27	13.49	13.63
Overlap volume with the union of targets [cm³]	8.35	57.75	25.49	14.94
Overlap volume with the union of targets [%]	2.50	22.30	10.33	5.71



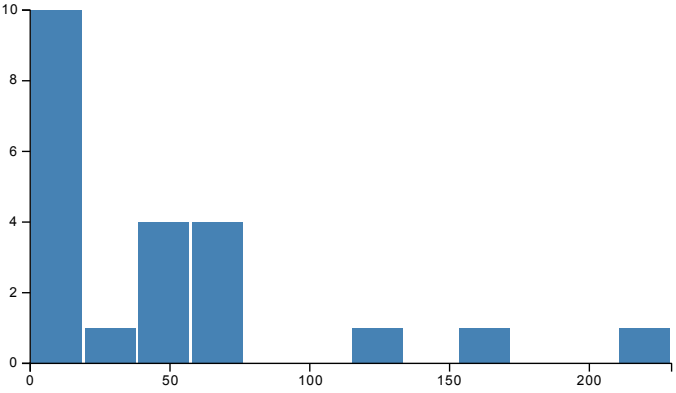
In-field volume [cm³]



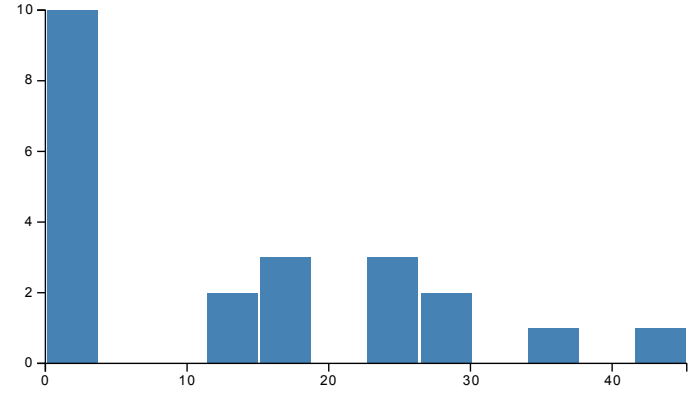
In-field volume [%]



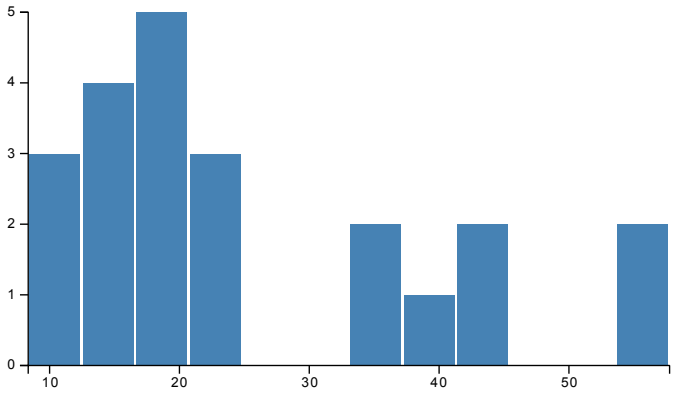
Out-of-field volume [cm³]



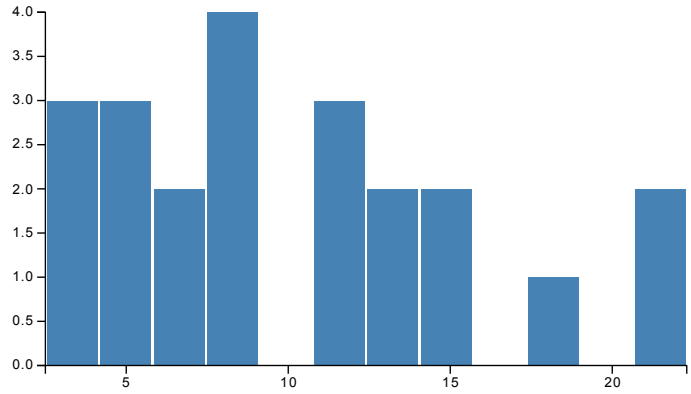
Out-of-field volume [%]



Overlap volume with the union of targets [cm³]



Overlap volume with the union of targets [%]



Consider adding the following to the model

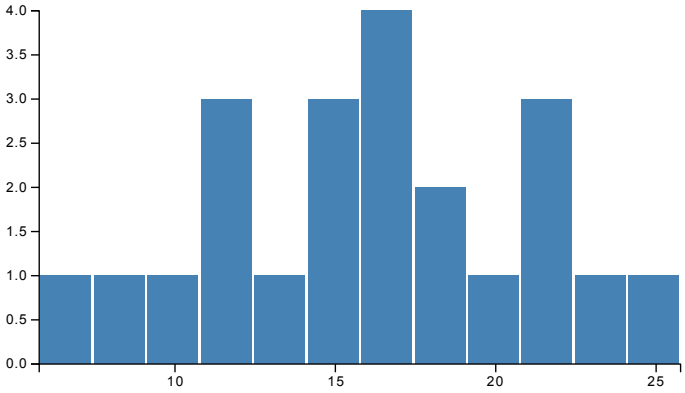
Reason
Not enough data exists for OAR volume between 354.75cm³ and 419.68cm³. To fill the data gap, consider adding more plans to the model.
Not enough data exists for OAR overlap volume with the union of targets (%) between 15.05% and 18.89%. Not enough data exists for OAR overlap volume with the union of targets between 22.93cm³ and 34.77cm³. To fill the data gap, consider adding more plans to the model.
Not enough data exists for OAR in-field volume between 167.28cm³ and 219.44cm³. To fill the data gap, consider adding more plans to the model.
Not enough in-field data exists for this structure. The generated DVH estimates may not be optimal. Consider adding 16 more plans to the model.

Dosimetric information

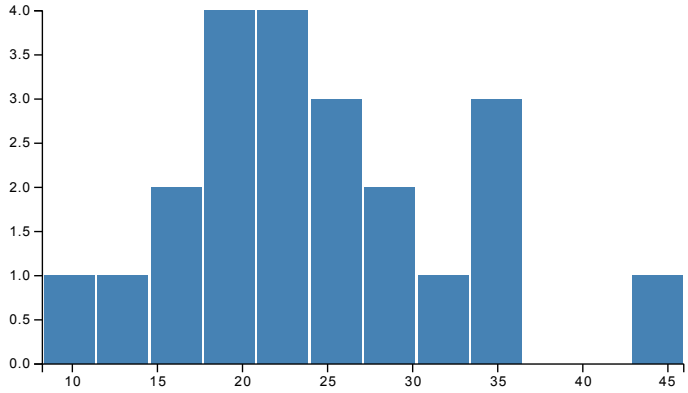
Shows dose that the structure receives. Reports if dose is higher than estimated and lists potential trade-offs.

Feature	Min	Max	Mean	Std
Mean dose [Gy]	5.77	25.76	16.14	5.10
Mean dose [%]	8.24	45.93	24.05	8.54

Mean dose [Gy]



Mean dose [%]



No suggestions