Knowledge-based Plan Quality Feedback Report

Submitting Institution: XXXX
Patient Identifier: 0000
Report prepared on: 6/13/2016 12:00:00 AM

Dosimetric Analysis Summary:

Structure	Dose criteria	KBP feedback statement
PTV 4500	All metrics meet protocol specifications	Dose metrics are unlikely to be improved further
Bone Marrow	Some acceptable deviations	Some dose metrics could likely be improved
Bowel	All metrics meet protocol specifications	Some dose metrics could likely be improved
Rectum	Some acceptable deviations	Plan could be improved to meet protocol specifications
Bladder	Some acceptable deviations	Some dose metrics could likely be improved

Please review the subsequent pages of this report for individual structure DVH analysis and comparison to the knowledge-based planning reference for this patient.

The information contained in this report is designed to guide radiotherapy plan quality decision-making on the part of the submitting site. It is at the discretion of the submitting site whether or not to re-plan the case according to the patient-specific feedback in this report. Your site will need to review and determine if you will re-optimize the original plan using the KBP information provided or not re-optimize the original plan that was submitted and approved.

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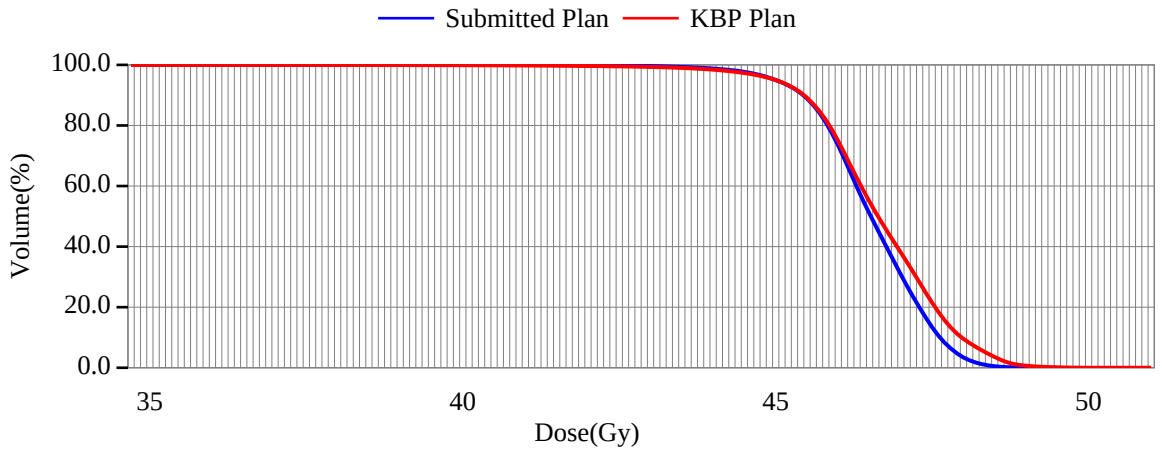
PTV 4500 Report



Submitted Plan from Institution XXXX for Patient 0000

Structure: ptv4500						
Dosimetric Parameter	Submitted Plan	protocol compliance criteria			Knowledge_based plan quality check	
		Per Protocol	Variation Acceptable	Deviation Unacceptable	KBP Plan	KBP Feedback
D95%(Gy)	45.00	>=45	>=43.65	<43.65	45.00	Plan meets per protocol specifications and is unlikely to be improved further
D97%(Gy)	44.67	>=43.65	>=40.5	<40.5	44.60	Plan meets per protocol specifications and is unlikely to be improved further
D99%(Gy)	43.84	>=40.5	>=39.6	<39.6	43.52	Plan meets per protocol specifications and is unlikely to be improved further
DMax(Gy)	49.46	<=51.75	<=54	>54	50.96	Plan meets per protocol specifications and is unlikely to be improved further

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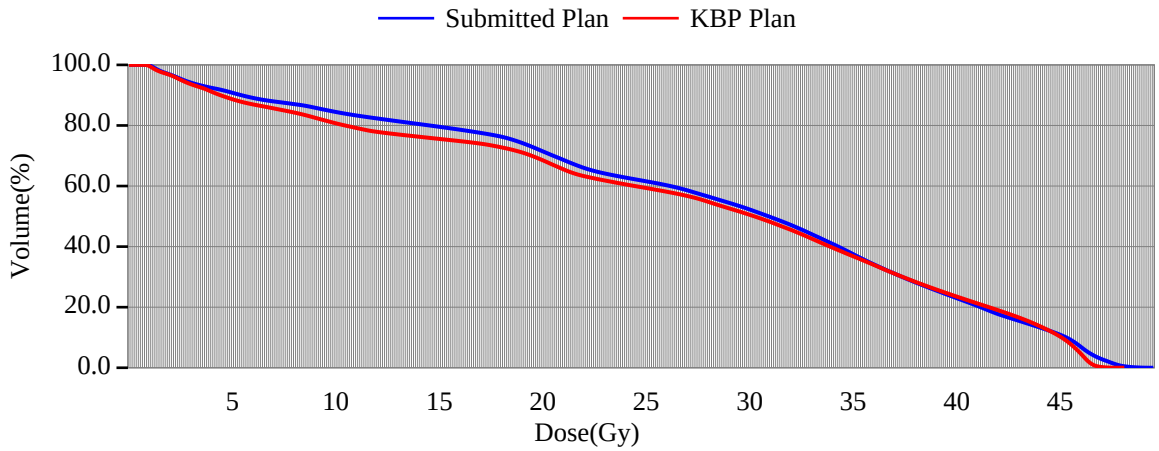
Bone Marrow Report



Submitted Plan from Institution XXXX for Patient 0000

Structure: PBM						
Dosimetric Parameter	Submitted Plan	protocol compliance criteria			Knowledge_based plan quality check	
		Per Protocol	Variation Acceptable	Deviation Unacceptable	KBP Plan	KBP Feedback
DMeanGy)	27.98	<=27	<=29	>29 (or KBP prediction)	27.11	Plan exhibits acceptable variation but this dose metric could likely be improved
V10(%)	84.45	<=85.5%	<=90%	>90% (or KBP prediction)	80.70	Plan meets per protocol specifications, but this dose metric could likely be improved further
V20(%)	71.44	<=66%	<=75%	>75% (or KBP prediction)	68.50	Plan exhibits acceptable variation but this dose metric could likely be improved

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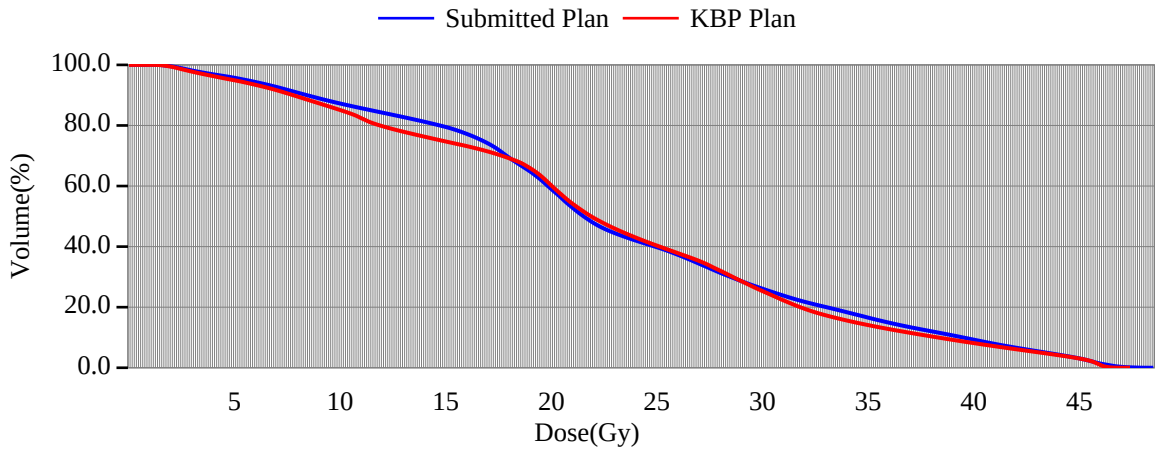
Bowel Report



Submitted Plan from Institution XXXX for Patient 0000

Structure: Bowel						
Dosimetric Parameter	Submitted Plan	protocol compliance criteria			Knowledge_based plan quality check	
		Per Protocol	Variation Acceptable	Deviation Unacceptable	KBP Plan	KBP Feedback
D30%(Gy)	28.48	<=40	<=50	>50	28.59	Plan meets per protocol specifications and is unlikely to be improved further
DMax(Gy)	48.49	<=59.4	<=62.1	>62.1	47.36	Plan meets per protocol specifications, but this dose metric could likely be improved further
V45(cc)	48.52	<=200cc	<=250cc	>250cc(or KBP prediction)	47.90	Plan meets per protocol specifications, but this dose metric could likely be improved further

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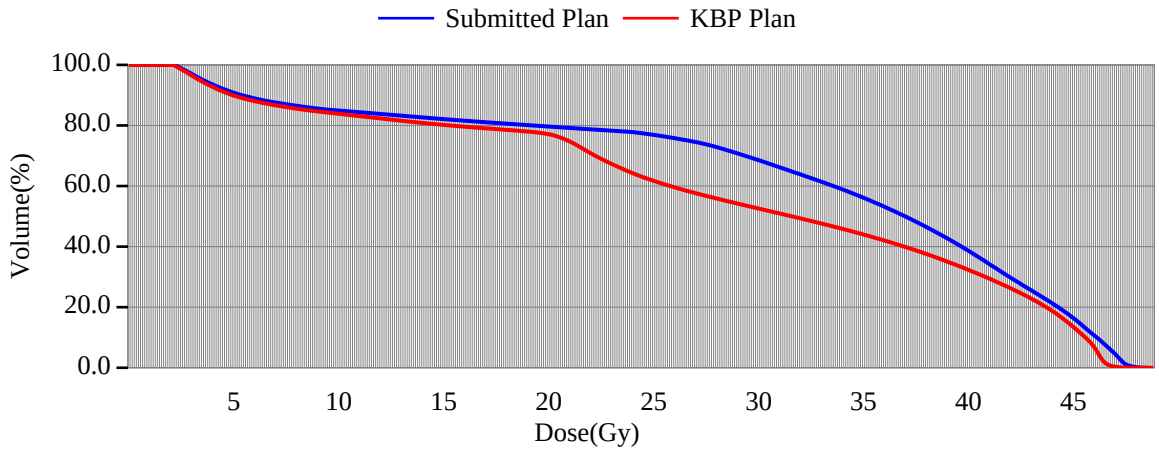
Rectum Report



Submitted Plan from Institution XXXX for Patient 0000

Structure: rectum						
Dosimetric Parameter	Submitted Plan	protocol compliance criteria			Knowledge_based plan quality check	
		Per Protocol	Variation Acceptable	Deviation Unacceptable	KBP Plan	KBP Feedback
D50%(Gy)	36.97	<=45	<=54	>54	31.57	Plan meets per protocol specifications, but this dose metric could likely be improved further
D60%(Gy)	33.56	<=30	<=47.6	>47.6	25.78	Plan exhibits acceptable variation but this dose metric could likely be improved to meet per protocol specifications
DMax(Gy)	48.43	<=50	<=55	>55	48.79	Plan meets per protocol specifications and is unlikely to be improved further

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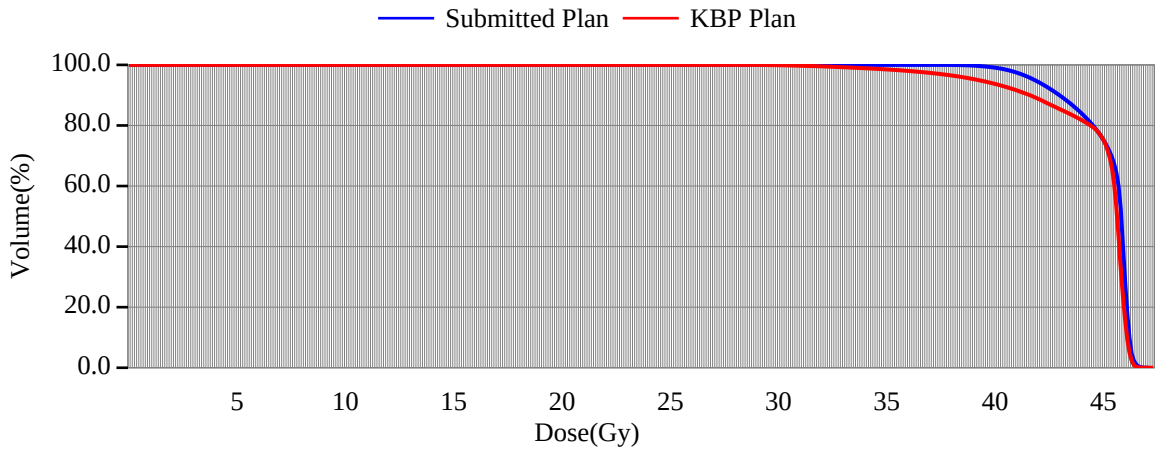
Bladder Report



Submitted Plan from Institution XXXX for Patient 0000

Structure: bladder						
Dosimetric Parameter	Submitted Plan	protocol compliance criteria			Knowledge_based plan quality check	
		Per Protocol	Variation Acceptable	Deviation Unacceptable	KBP Plan	KBP Feedback
D50%(Gy)	45.82	<=45	<=55	>55	45.63	Plan exhibits acceptable variation but this dose metric could likely be improved
DMax(Gy)	47.07	<=50	<=57.5	>57.5	47.21	Plan meets per protocol specifications and is unlikely to be improved further