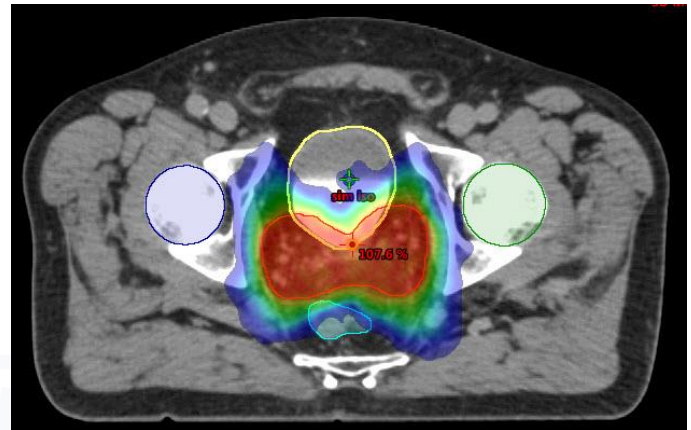


# Prostatic Fossa – UC San Diego

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Training Set Description		
Number of training plans		50
Number of VMAT arcs		2
CTV – PTV margin		5mm post, 7mm else
Number of cases in OAR DVH model	Bladder	48
	Femur_L	50
	Femur_R	50
	PenileBulb	45
	Rectum	49

Model Structure	Code	Objective	Volume (%)	Dose (% or Gy)	Priority
PTV	PTV_High	Upper	10%	102%	100
		Upper	0%	103%	150
		Lower	100%	97%	150
		Lower	98%	100%	150
Bladder	15900	Upper	Generated	45%	85
		Upper	Generated	55%	85
		Upper	Generated	75%	85
		Line	Generated	95%	85
		Line	Generated	Generated	Generated
Femur_L	24475	Line	Generated	Generated	Generated
Femur_R	24474	Line	Generated	Generated	Generated
PenileBulb	19614	Line	Generated	Generated	Generated
Rectum	14544	Upper	0%	100%	125
		Upper	Generated	95%	100
		Upper	Generated	75%	100
		Upper	Generated	50%	100
		Upper	Generated	25%	100
		Upper	Generated	10%	100
		Line	Generated	Generated	Generated

## Notes:

- Most training plans were 180 cGy x 39 = 7020 cGy, but some were boosts on top of pelvis plans
- Can handle SIB as follows: (i) Subtract sub-volume high dose PTV from lower dose prostatic fossa PTV, (ii) when executing RapidPlan identify both PTVs as “PTV” *with Rx dose set to the lower dose*, (iii) after RapidPlan has generated objectives, scale up the four dose values of high dose PTV objectives to appropriate values (102%, 103%, 97%, & 100% of higher Rx).

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