DVH to **EXCEL** script

PURPOSE:

To create an EXCEL workbook that contains the DVH graph and Clinical Goals table for either Plan dose or a Composite dose.

SETUP INSTRUCTIONS:

- The script is validated for RS-6. Some minor changes are needed to run on RS-5.
- Place the "RS_DVH" folder and its contents in a drive location accessible to RayStation.
- Edit the file "RS_DVH_START.py" to change the line that defines the "SCRIPT_DIRECTORY", to point to the full path to "RS_DVH" on your system.
- Load the RS_DVH_START.py script in RayStation.

BRIEF USE INSTRUCTIONS:

- Open a plan (a plan must be loaded).
- 2. Click the "RS_DVH_START" script button.
- 3. Select what you want to print: the Plan or Composite Dose are most typical. The "Beam Set" is for special cases.
- 4. Select if you want to apply a different Clinical Goals Template. If you do, those goals are added to whatever is already in your goal sheet, so delete anything you don't want first.
- 5. Click OK.
- 6. Review the results.
- 7. Select the Chart and "Save as" PDF or Print as PDF.
- 8. Select the Clinical Goals and do the same.

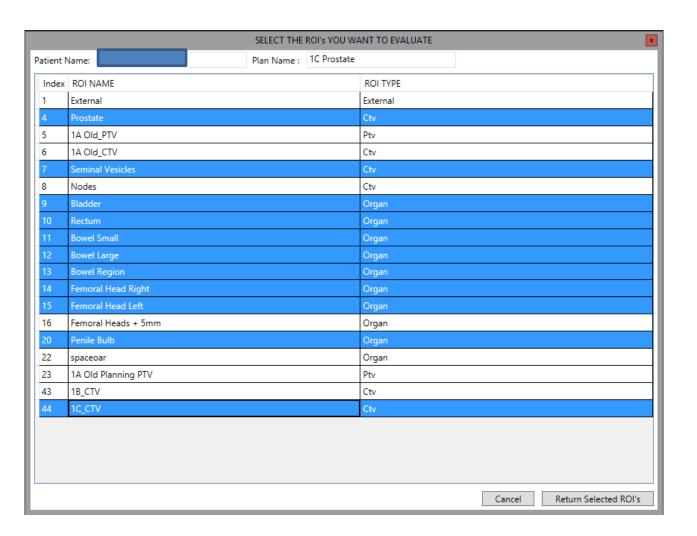
If you want a composite dose, select the "Radio Button", and then Select type of select the name of the dose. printout that you want x Export DVH data to MS Exp Select dose source: Plan dose ○ Beam set dose: 1A C Evaluation Sum Dose: Composite None Select clinical goals template: Plan OK Cancel **Optionally** select a different template to ADD to what

you already

have.

Select the ROI's for the DVH chart.

The ROI's you select for the DVH chart do not have to be the same as the clinical goals. The Clinical Goals spreadsheet will use what is in your RayStation plan.



The "Chart" and the "Dose Objectives Worksheet" use only the ROI's you select here.

GOALs sheet

The clinical goals results are loaded automatically, along with patient and plan information. You can "save as" or "print to" PDF.

		Clin	ical Goa	ale '	Workshee	t					
Protocol:					Attending:						
		PL	AN IDEI	VTI	FICATION						
Patient Name:				Plan Name:			1C Prostate				
	MRN:			Plan Label:			1C1				
Date of Birth: 3/9/1947				Plan Date/Time:							
Plan Site:				Plan Rx (cGy):							
TPS Name: RayStation				TPS Version:							
CLINICAL GOALS											
PLAN STRUCTURE	TYPE	CRITERIA	LEVE	-	UNIT 1	VAL	UE	UNIT 2	ACTUAL	RESULT	
External	D@%V	At Most	8910		cGy at	0.0%		%V	1890.0	PASS	
Rectum	D@%V	At Most	8100		cGy at	5.0%		%V	1470.1	PASS	
Rectum	D@%V	At Most	7500		cGy at	15.0%		%V	770.5	PASS	
Rectum	D@%V	At Most	7000		cGy at	25.0%		%V	279.9	PASS	
Rectum	D@%V	At Most	6750		cGy at	30.0%		%V	166.3	PASS	
Rectum	D@%V	At Most	6500		cGy at	35.0%		%V	104.5	PASS	
Rectum	D@%V	At Most	6000		cGy at	50.0%		%V	35.1	PASS	
Bladder	D@%V	At Most	8000		cGy at	15.0%		%V	162.9	PASS	
Bladder	D@%V	At Most	7500		cGy at	25.0%		%V	33.7	PASS	
Bladder	D@%V	At Most	7000		cGy at	35.0%		%V	13.2	PASS	
Bladder	D@%V	At Most	6500		cGy at	50.0)%	%V	2.9	PASS	
Femoral Head Left	D@%V	At Most	5000		cGy at	5.0%		%V	750.0	PASS	
Femoral Head Right	D@%V	At Most	5000		cGy at	5.0%		%V	747.3	PASS	
Bowel Small	D@V	At Most	4500		cGy at	195	5.0	СС	0.0	PASS	

CHART sheet

Click on the Chart to select it, and then you can "save as" or "print to" PDF, your choice.

