

Creating a Plan

Once a Planning patient has been added, a new request and plan can be created.

1. From the *Patient list*, select the patient to open.
2. Open the patient by clicking the patient row. The patient will open to the *patient overview* task.

The screenshot shows the 'astroid' planning interface. At the top, it says 'planning • SBRT PROSTATE'. Below this, patient information is displayed: Name: SBRT PROSTATE, MRN: 111111k5, Sex: Other, Date of Birth: 1946-01-01. There is a checkbox for 'Show Deleted Entries'. Below this, a 'Course' section is expanded, showing 'course_2017-May-08' with an 'edit' button. The course details include Description: none, Physician: (empty), Treatment Site: Prostate_Protocol, and prescriptions: 0. Below the course, a 'Patient Model' section is expanded, showing 'patient_model_2017-05-08' with an 'open' button. The patient model details include Created: 2016-06-09 06:34:25 and Position: ffs. At the bottom, there is a red warning box that says 'Prescriptions must be added to the directive in order to add a plan.' and a '+ Add Course' button.

3. The user may choose (not mandatory) to change the name of a course or enter course info such as the doctor's name (chosen from the dropdown) or a description of the course. This can be done by clicking on the blue *Edit* button under *Course*

The screenshot shows the 'astroid' planning interface in the 'Edit' mode for a course. At the top, patient information is displayed: Name: Prostate_Bed TG244, MRN: 002442, Sex: Male, Date of Birth: 1955-09-11, and Archived: No Archive. Below this, the 'course_2017Jan17' section is expanded, showing a 'Show Info' button. The course details include Name: course_2017Jan17, Description: (empty), and Physician: (dropdown menu) with a 'New Physician' button. There are 'OK' and 'Cancel' buttons. Below the course, there is an 'Add Intent' section with 'intent_curative_2017Jan17' and a 'Show Info' button, and an 'Add Directive' section with 'directive_2017Jan17' and a 'Show Info' button. At the bottom, there is a 'snapshot_2017Jan17' section with a 'Show Info' button. A red warning box at the bottom says 'Phases must be added to the directive in order to add a request.'

4. The *Intent* information is retrieved from the information the user filled in while importing the

patient; so nothing is needed done.

5. Open the *Directive* by clicking on the blue *Open* button
6. The *Directive* information is **mandatory** to fill out in order to proceed with planning.
7. The *Goals* is where the user will fill out what “goals” they would like to see achieved by the plan. The choices in the drop down will be set by the treatment site template that is chosen during the import process. The user can select doses for tumor volumes as well as Organs at Risk (OAR)
 1. These doses will be used for reporting what is the physicians intent with this plan. They doses do not effect the calculation.

The screenshot shows a software interface for creating a plan. The 'General' tab is active. It contains a 'Description' field, a 'Goals' section with a sub-section for 'PTV_5040' (containing min, max, min mean, max mean, min DVH, and max DVH), and a 'Rectum' section (containing max, max mean, and max DVH). Each of these fields has an 'Add' button. At the bottom, there are 'Add Structure' and 'Add Point' dropdowns, and 'OK' and 'Cancel' buttons.

8. The next part of the *Directive* to be filled out is the *Phases*
9. Choose *New Phase* under *Phases*
10. The *Phase* label is free text that the user will fill in.
11. This is where the user will fill in the number of fractions and the prescription that is desired.

Name: SBRT PROSTATE
MRN: 11111115
Sex: Other
Date of Birth: 1946-01-01

☐ Show Deleted Entries

Course: course_2017-May-08 edit

Name: course_2017-May-08
Description:
Physician: New Physician
Treatment Site: Prostate_Protocol

Clinical Goals

PTV_7920 ×

min: 79.2 Gy(RBE) ×
max: 83.2 Gy(RBE) ×
min mean: Add Statement
max mean: Add Statement
min DVH: Add Statement
max DVH: Add Statement

Rectum ×

max: Add Statement
max mean: 33 Gy(RBE) ×
max DVH: Add Statement
Add Structure ▼

Prescriptions

New Prescription

Label: Original
Description:
Color: ● ● ● ● ● ● ● ● ● ●
Fractions: 28
Prescription: 79.2 Gy(RBE) to PTV_7920 ×
Add ▼

Add Cancel
Done Cancel

+ Add Course

12. Multiple phases may be created at this point. An example would be a base plan and a boost.
13. The user should click the orange *Done* button when finished
14. At this point the user will need to click on the patient's name in the top row. This will bring the user back to the *patient overview*.
15. The user can then go to the *Snapshot* (see [Snapshots](#)) or add a *request*
16. To add a *Request* click on the blue *Add Request* underneath *Snapshot*. Then click on the blue *edit* button.

Name: Prostate_Bed TG244
 MRN: 002442
 Sex: Male
 Date of Birth: 1955-09-11
 Archived: No Archive

- ▼ course_2017Jan17 Show Info edit
 - Add Intent
 - ▼ intent_curative_2017Jan17 Show Info open
 - Add Directive
 - ▼ directive_2017Jan17 Show Info open
 - ▼ snapshot_2017Jan17 Show Info open
 - Add Request
 - ▼ request 1 Show Info open
 - Add Plan

1. A phase *must* be chosen at this point. To do so click on the blue *Edit*

There are no phases for this request

Edit

2. Choose the phase from the drop down.

There are no phases for this request

Add Phase ▼

3. The next step is to choose whether all fractions (All) are going to be implemented in this phase or if just a certain number (Count).

50.4 Gy(RBE) to PTV_5040 in 28 fractions

Fractions: ☒ All
Implement all fractions in this phase.

☐ Count
Implement the following number of fractions.

Add Phase ▼

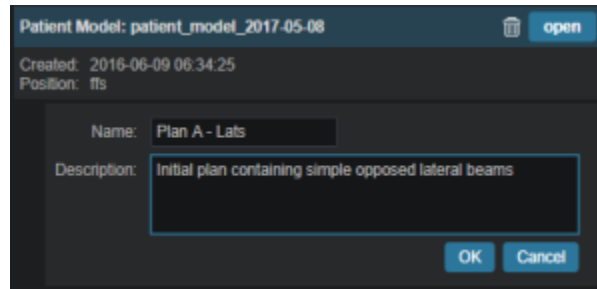
4. Click the orange *Done* button in the bottom right of the column. Then click on the patient name to go back to the *patient overview*
17. At this point the user should click on the blue *Add Plan* under the *Request*.

▼ Patient Model: patient_model_2017-05-08 open

Created: 2016-06-09 06:34:25
Position: fls

+ Add Plan

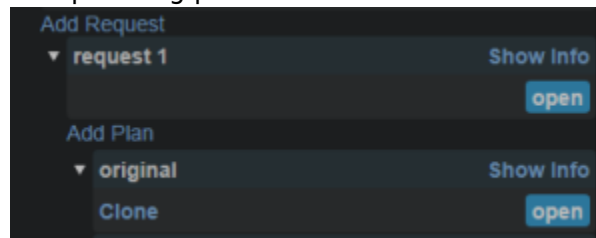
1. In the box that opens the user should name the plan and add any description they may want.



2. Click on the orange OK button when finished.

18. This will take the user back to the *patient overview*.

19. To open the plan and begin the planning process the user should click on the blue *Open* button.



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