

# Patient Models

Once the Course has been completed the next block will be the Patient Model. The Patient Model contains a single CT image set and all contour variants (targets and organs at risk) associated with these images.

## About Patient Models

- **Patient Model:** captures the state (anatomy) of a patient at a certain point in time. Each Patient Models contains a single Image Set (typically CT) and all contour (structure) variants associated with these images. Each unique Image Set imported into the patient should produce a new Patient Model. Each unique structure set imported into the Patient Models should produce new contour variants for each unique contour. Each contour may have only a single “active” variant and the plan will automatically update based on the selection of the active variant.
- **Variant:** A specific model of a target, OAR, or other structure. A physician may provide an initial target contour and a treatment plan might be generated using this information. The physician may later (using the same CT image set) provide a revised target contour. Rather than import this revision as a new structure or override the original, you may specify this new contour as a variant of the original and the plan will automatically update based on the selection of this new active variant (note each contour/structure may have one or many variants, but only a single variant can be designated as “active”).

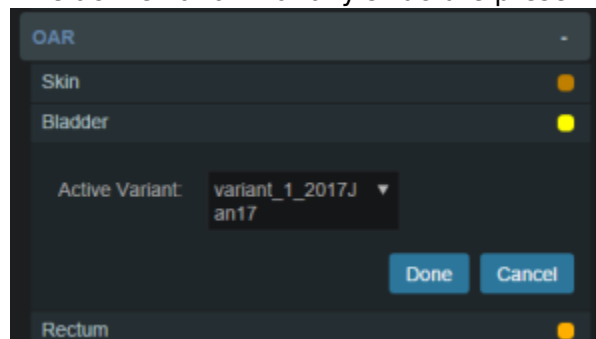
## Working with Patient Models

Within Astroid the planner has the ability to view the Patient Model details and edit certain structures in a limited capacity.

1. A Patient Model contains data relating to the image set such as the number of slices, who imported the image set, the import date and the UID.
2. A Patient Model also contains a list of the structures that were imported.



3. The user may choose to set the active variant for any structure present in the snapshot.



4. Structures not defined in the site config (i.e. custom structures) are denoted with a “c” beside it. These structures have the ability to be edited in a limited capacity. The planner may choose to change the structure variant, color, and structure type. The planner may also choose to enter any notes that may be helpful at this point.

other

BODYC

Active Variant:

variant\_1\_2017J  
an17

Type:

Other

Color:

Notes:

Done

Cancel

Lt femoral head

C

Lymph Nodes

C

POST\_RECTUM

C

Penile\_bulb

C

Rt femoral head

C

prostate\_bed

C

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Last update: **2021/07/29 18:25**

