

Defining Constraints



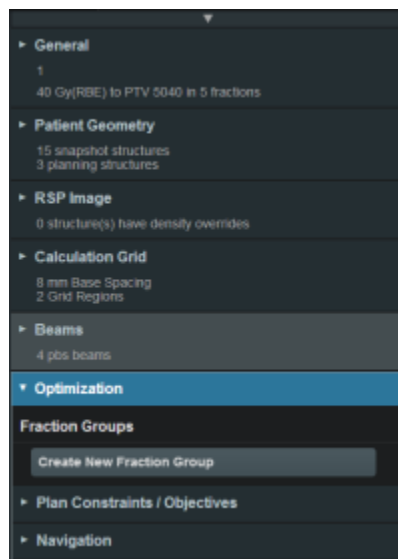
Once the beams have been created the next block is **Optimization**. The first block in Optimization is **Fraction Group**

About Fraction Groups

In the Fraction Group the user will put in the total target(s) dose, i.e. simultaneous integrated boost (SIB), as well as the total number of fractions. The user will then further break the into Beam Set groups where beams are assigned to a group and a specific number of fractions.

Working with Fraction Groups

1. Select the Create New Fraction Group button



2. In the newly opened block the planner will:
 - choose the color the fraction will be denoted in
 - type in any descriptor that may be needed
 - enter the total number of fractions to be treated
 - enter the group constraints
 - group constraints encompass the whole fraction group

- there can be more than one target entered at this stage

3. Select New Beam Set Group

- select the target and create a beam set that will be associated to that target
- there may be multiple beam sets associated to a target
- the constraints chosen at this point will just be associated to the particular beam set

- the user may also have multiple beam set groups associated with multiple targets within a plan



- the user needs to set the constraints for each beam set group. These constraints only apply to the associated beam set group

From:
<https://apps.dotdecimal.com/> - **decimal App Documentation**

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