

Electron Treatment Plans

Once the patient has a course with a valid prescription, a plan can be created. When adding a new plan to a patient, the user will be prompted to add a name and an optional description for the plan.

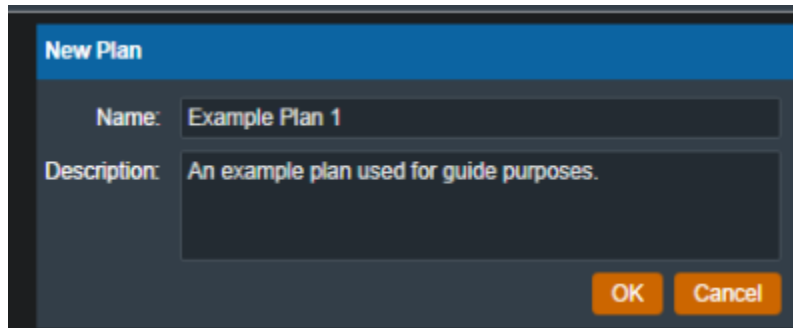
A screenshot of a 'New Plan' dialog box. It has a blue header bar with the text 'New Plan'. Below the header, there are two input fields: 'Name:' with the text 'Example Plan 1' and 'Description:' with the text 'An example plan used for guide purposes.'. At the bottom right, there are two orange buttons labeled 'OK' and 'Cancel'.

Fig. 1: Creating a Plan

From the Patient Overview, the user can choose to clone an existing plan. As the cloned plan will be a copy of the original plan (except for the plan name and if cloning an approved plan, the clone will be unapproved), the user should name the cloned plan appropriately to avoid confusion.

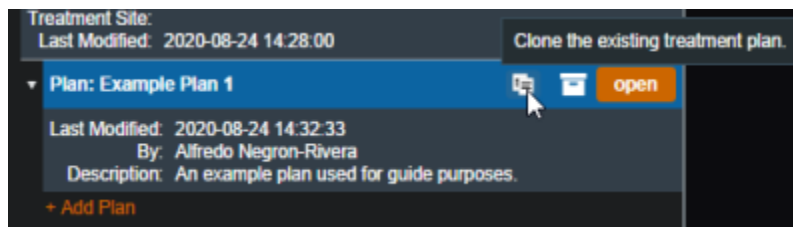
A screenshot of a 'Clone the existing treatment plan.' dialog box. It shows a list of plans. The first plan is 'Plan: Example Plan 1' with a blue background. To its right are icons for cloning and opening, and an 'open' button. Below the plan name, it shows 'Last Modified: 2020-08-24 14:32:33' and 'By: Alfredo Negron-Rivera'. Below that is the description 'Description: An example plan used for guide purposes.' and a '+ Add Plan' button.

Fig. 2: Cloning a Plan

The user may also choose to make an existing plan inactive. Doing so will remove (hide) the plan from the Patient Overview. The user can view inactive plans and have the option to make them active again if they click the "Show Inactive Plans" check box.

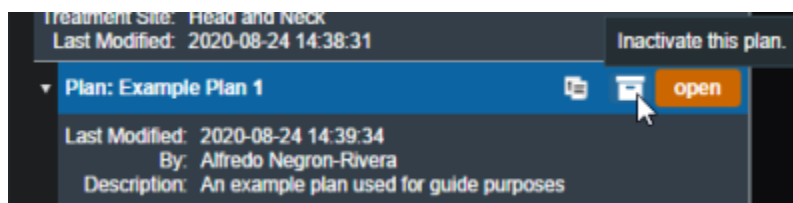
A screenshot of an 'Inactivate this plan.' dialog box. It shows a list of plans. The first plan is 'Plan: Example Plan 1' with a blue background. To its right are icons for cloning and inactivating, and an 'open' button. Below the plan name, it shows 'Last Modified: 2020-08-24 14:39:34' and 'By: Alfredo Negron-Rivera'. Below that is the description 'Description: An example plan used for guide purposes.'.

Fig. 3: Making a Plan Inactive

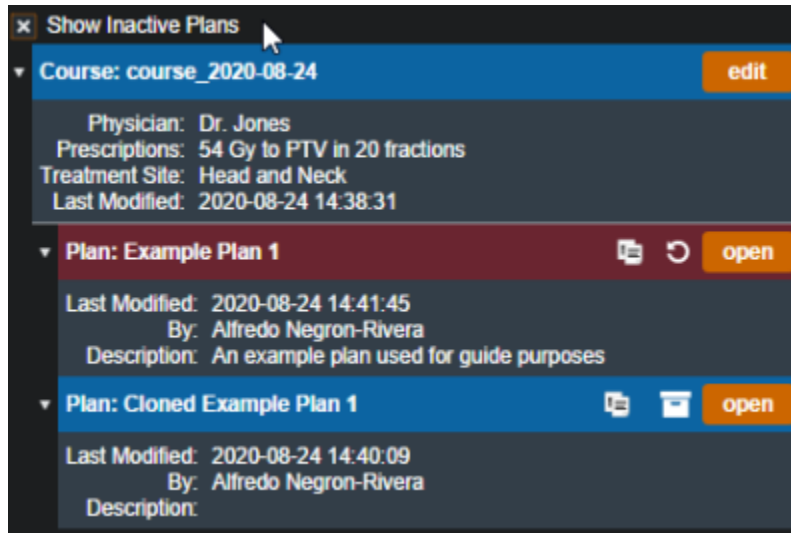


Fig. 4: Viewing Inactive Plans

Approved Plans

Refer to [Plan Approval](#) for information on approved plans.

Plan History

The plan history UI exists within the *General Info* block of the plan overview. This interface allows users to view the details of all changes to a treatment plan, view the plan as it was at the time of each revision (as read-only), and make any past revision “active” as the current revision (i.e. restore a plan to match the selected revision).

Refer to [figure 5](#) below for a detailed explanation for each of the Plan History features.

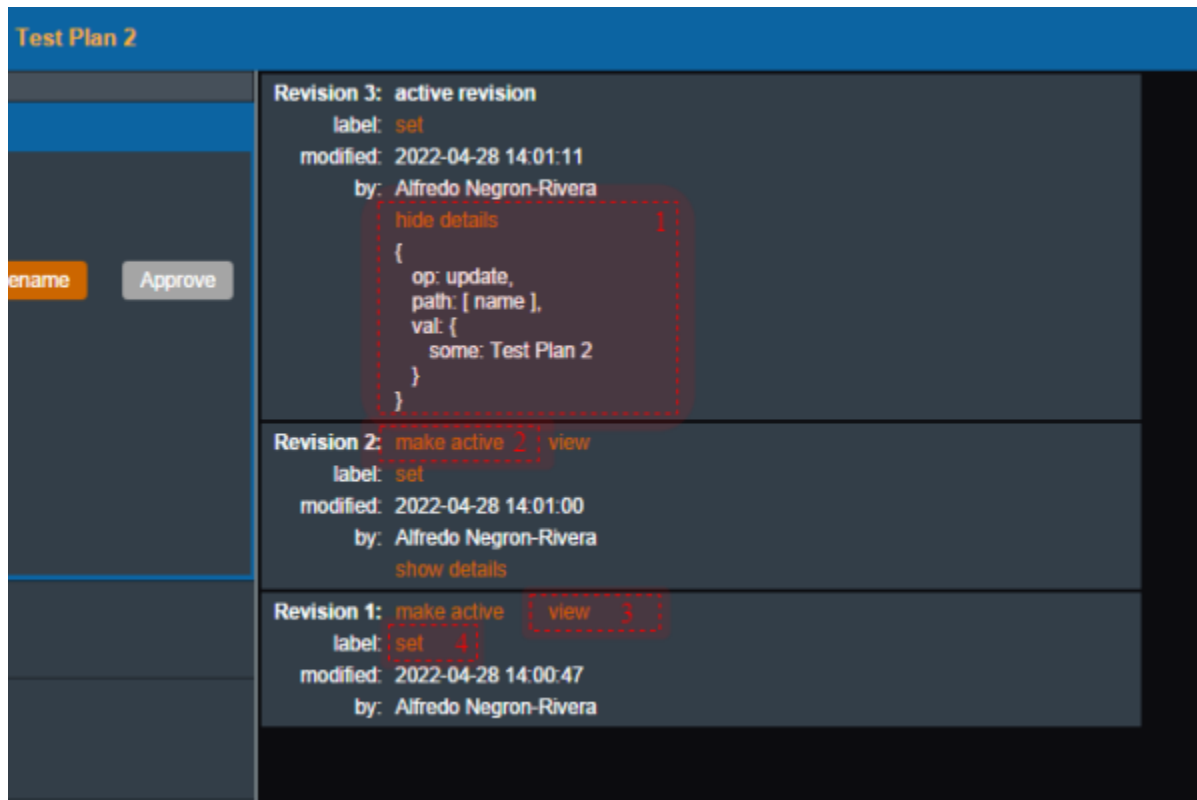


Fig. 5: Plan History

Plan History UI Explained

- [1] **Show/Hide Details:** Provides details of the changes for each revision. Currently the revision comparison shows a textual comparison between the selected revision and the immediately preceding revision.
 - For example: the details shown for Revision #3 tell us that the *Update* operation was performed on the variable *name* to the value *Test Plan2*. Or in other words, the plan's name was updated to 'Test Plan2'.
- [2] **Make Active:** Makes the desired selected revision the current active revision of this plan (i.e. reverts the plan to match this revision).
- [3] **View:** Opens the selected revision for review by the user in a read-only view mode.
- [4] **Set:** Sets the revision label to a user-provided value.

Imported Plans

After a DICOM plan is successfully imported, it will appear under the course containing the structure set that the plan is linked to it. The plan is marked as imported in the Patient Overview.

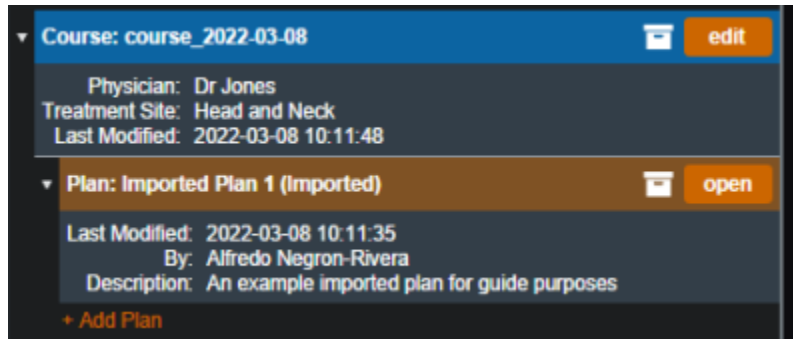


Fig. 6: Imported Plan in Patient Overview

When opening a newly imported plan, the user must first select the CT curve and treatment machine in order to view the imported plan overview.

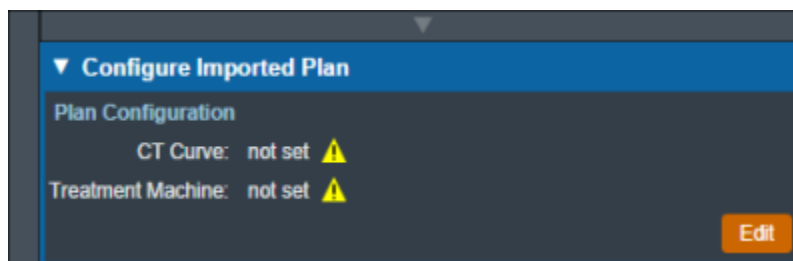


Fig. 7: Imported Plan Configuration

Unlike plans created in the decimal ElectronRT plan, users are limited in what they can do with imported plans. Users cannot add points, density overrides, or edit beams other than adding a [Structure as Bolus](#) into an imported plan. Users can [approve](#) imported plans and [order devices](#) from approved imported plans, but they cannot use QA Tools.

Packing and Exporting Plans

If a plan has to be sent to .decimal for the purpose of troubleshooting, the user is able to pack and export the plan into a zipped folder that can be imported into a different site while still using the data of the original site and machine. The Pack and Export Plan button found after expanding the Plan database info in the General Info block will generate the necessary zipped folder.

Only unapproved plans can be packed. If you require to pack and send .decimal an approved plan, please clone the plan and send the cloned unapproved plan to .decimal.

The resulting .zip file can be sent to .decimal to unpack and view your patient/plan to reproduce any application issues.

Note: The packed data does potentially contain PHI/PII so should only be sent to .decimal staff using secure file transfer services. The exported files are not encrypted (so that .decimal staff can re-import them), but are a non-human readable, proprietary compressed binary format.

▼ General Info

Plan Info

Plan name: Example Plan 1

Plan description:

Edit / Rename

Approve

History

Number of revisions: 3

Created by: Alfredo Negrón-Rivera

Creation Date: 2022-03-08 10:54:22

Last modified by: Alfredo Negrón-Rivera

Last modified date: 2022-03-08 10:55:03

▼ Plan database info

Patient ID: 1

Course ID: 3

Plan ID: 5

Pack and Export Plan

Fig. 8: Pack and Export Plan Option

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