Batch Creation

Batches can be defined and saved on any view port and can be saved as Presets.

NOTICE

Instructions for using the Batch functions are provided in the Batch Functions section in the CT Review Instructions for Use.

Multi-batch

The Multi-batch option allows saving a group of batches based on pre-configured batch presets.

Multiple batches can be created easily using Multi-batch creation. This feature is primarily intended for use with 3D technologies. Batches are created in parallel with the user's workflow, allowing users to continue working (or even exit without waiting for the process to end).

Configuring and Activating Multi-batch

The Multi-Batch option under AVA Preferences (Preferences > Application Preferences) must be enabled to use the multi-batch functionality.

1. Prior to batch creation, inspect the study and complete all required editing.

2. Select **Batch** to open the Batch tool.

3. Use the batch creation tools to create the required batch.

4. Select **Save preset:** (#1).

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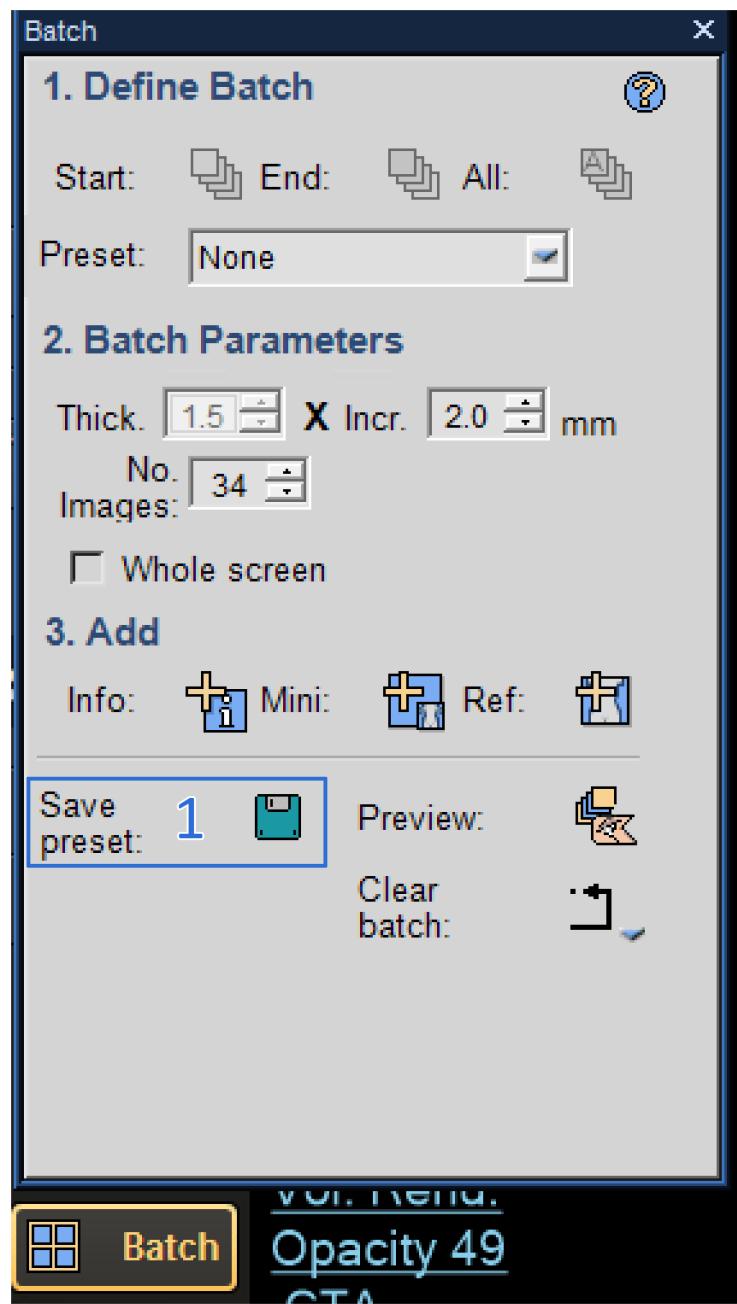
5. In the **Store as New Preset** window, enter a Preset name.
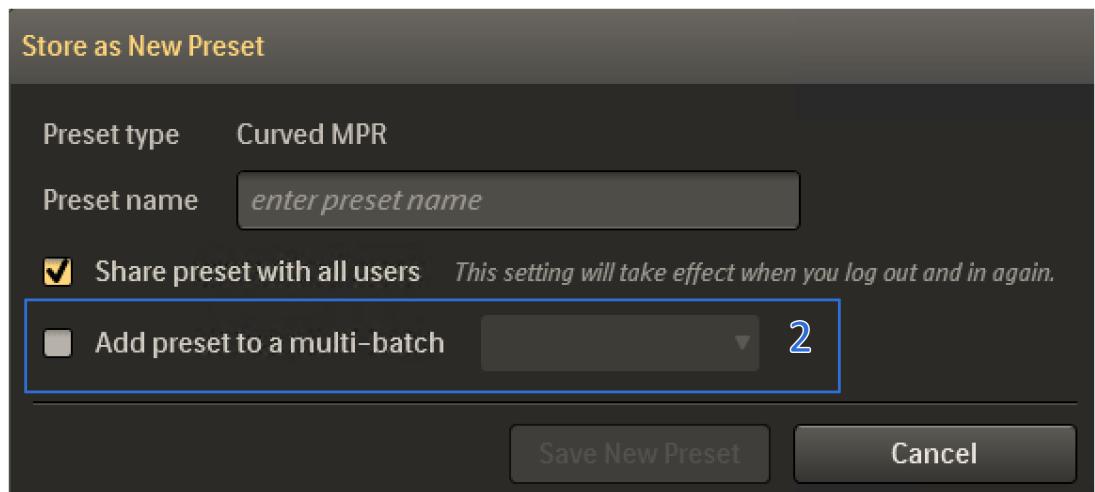
6.   Enable **Add preset to a multi-batch** (#2).

The window expands with additional parameters for batches that are derived from centerlines.
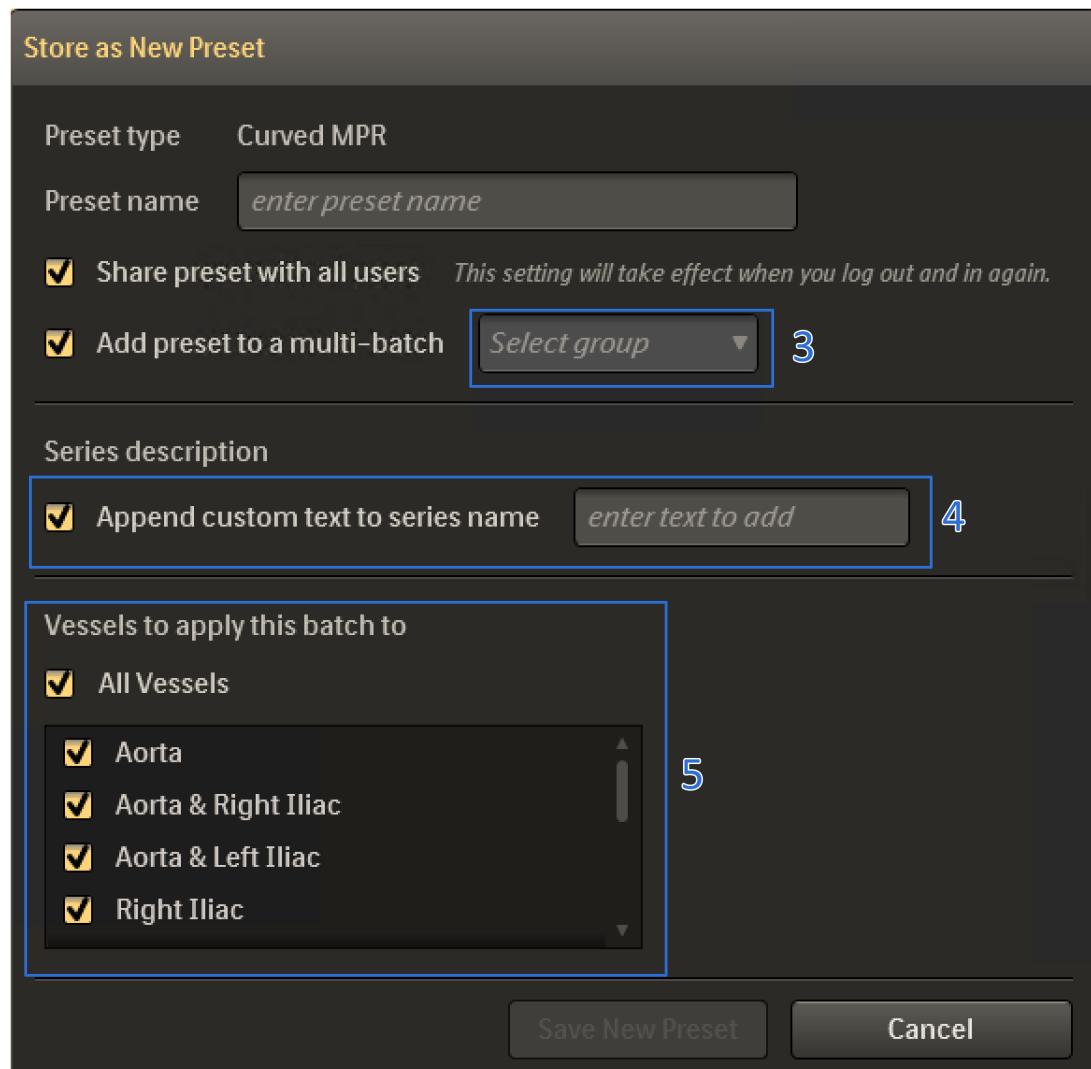
For volume or MPRs presets, the lower part of the dialog is not included.

7. Add the preset to an existing multi-batch group or create a new group (#3), Append custom text to a series name (#4) and define which vessels this preset will be applied (#5) once the multi-batch will be triggered.

8. Select **Save New Preset**.

A group is created with this preset. Repeat this process to add more batch presets to the group.

Mutli-batch Manager

The Manage Muli-batch Groups window includes three sections:

- **Groups** (#1): Displays list of groups and includes the options to create and edit groups. Right click on a group to rename, delete or duplicate.

- **Presets** (#2): Displays a list of Presets included in the selected group. To remove a preset from the selected group, right click on the preset and select **Remove from group**.

- **Preset parameters** (#3): Displays parameters and a list of vessels that will be created for the selected preset. It is possible to modify the list of centerlines generated per preset.
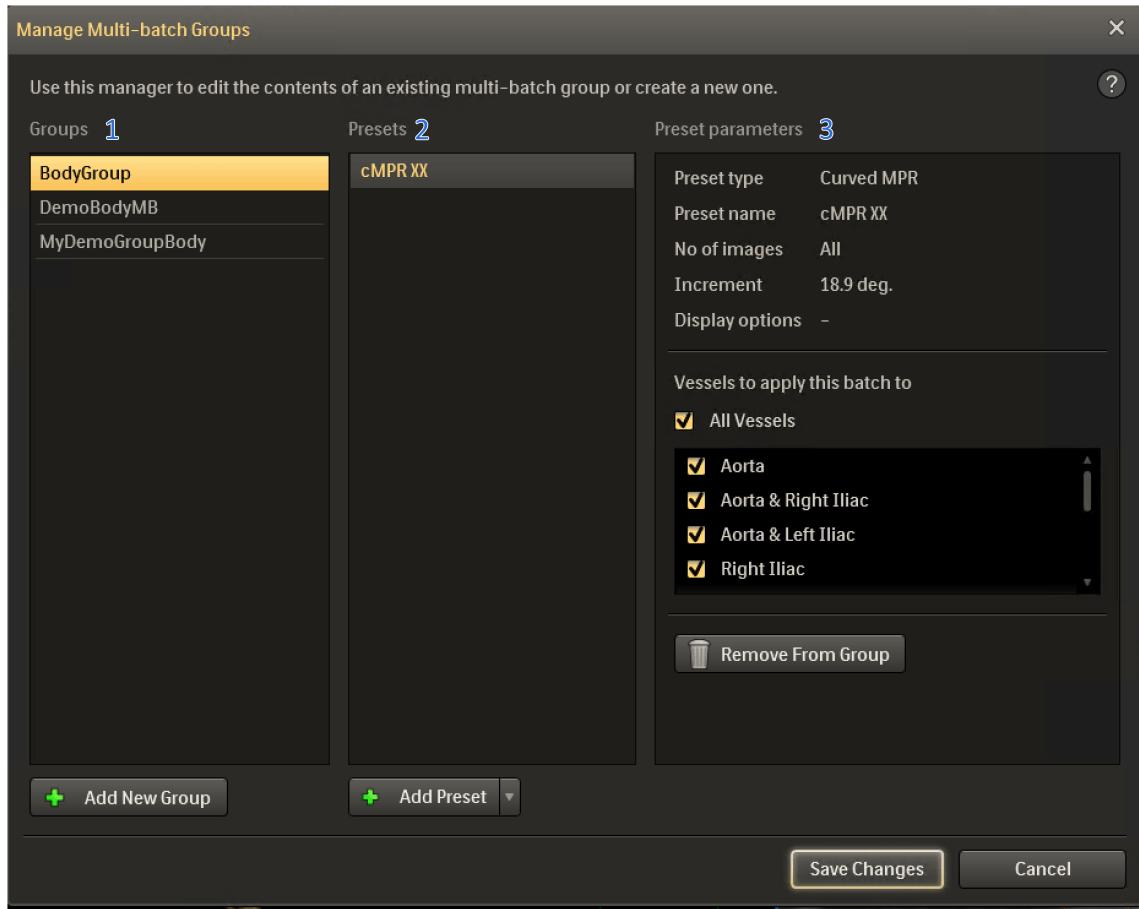
To create a multi-batch group using existing presets, use the Manage Multi-batch Groups window as follows:

1. Select **Add New Group** under **Groups** to create a new group.

2. Select **Add Preset** under **Presets** to choose one of the available presets and add to the group. Repeat for all needed presets. Edit the vessels to be included in a preset if need..

3. Select **Save Changes**.

NOTICE

When editing a curved MPR of cross section preset for one of the groups, this preset is changed within any other group that ti is part of.

Review and Approve

As part of the editing, users must **Confirm vessel for batch** for each centerline that was completed to review/edit.

Review the centerlines and perform the required editing.

Once a centerline is correct, right click on the question mark icon and **Confirm vessel for batch**. A confirmed vessel is marked with a check mark.
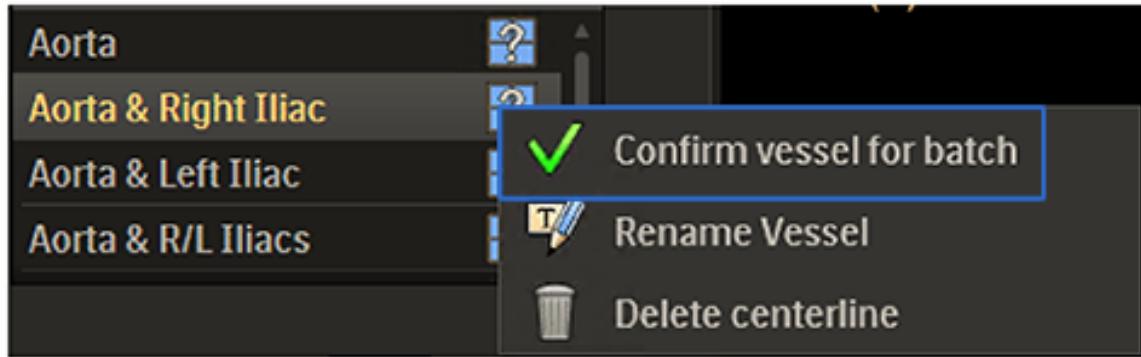
Working With Multi-batch

Select the Muli-batch icon to open the following dialog.
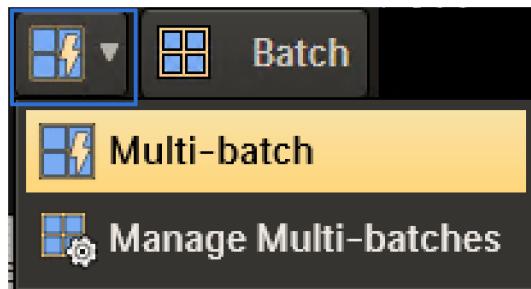
- **Multi-batch** triggers the batch generation once reviewed and approved.
- **Manage Multi batches** opens a manager dialog that allows group management (adding , deleting and editing). This dialog can also be accessed from form the creation Generate Multi Batch:

After Multi-batch is selected, the following dialog opens.

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Multi-Batch Groups

Group BodyGroup

Selected for export   1 out of 10

Pending review   9 presets

☐	cMPR XX – Aorta
☑	**cMPR XX – Aorta & Right Iliac**
☐	cMPR XX – Aorta & Left Iliac
☐	cMPR XX – Right Iliac
☐	cMPR XX – Left Iliac
☐	cMPR XX – Right Renal
☐	cMPR XX – Left Renal
☐	cMPR XX – Superior Mesenteric
☐	cMPR XX – Right Femoral
☐	cMPR XX – Left Femoral
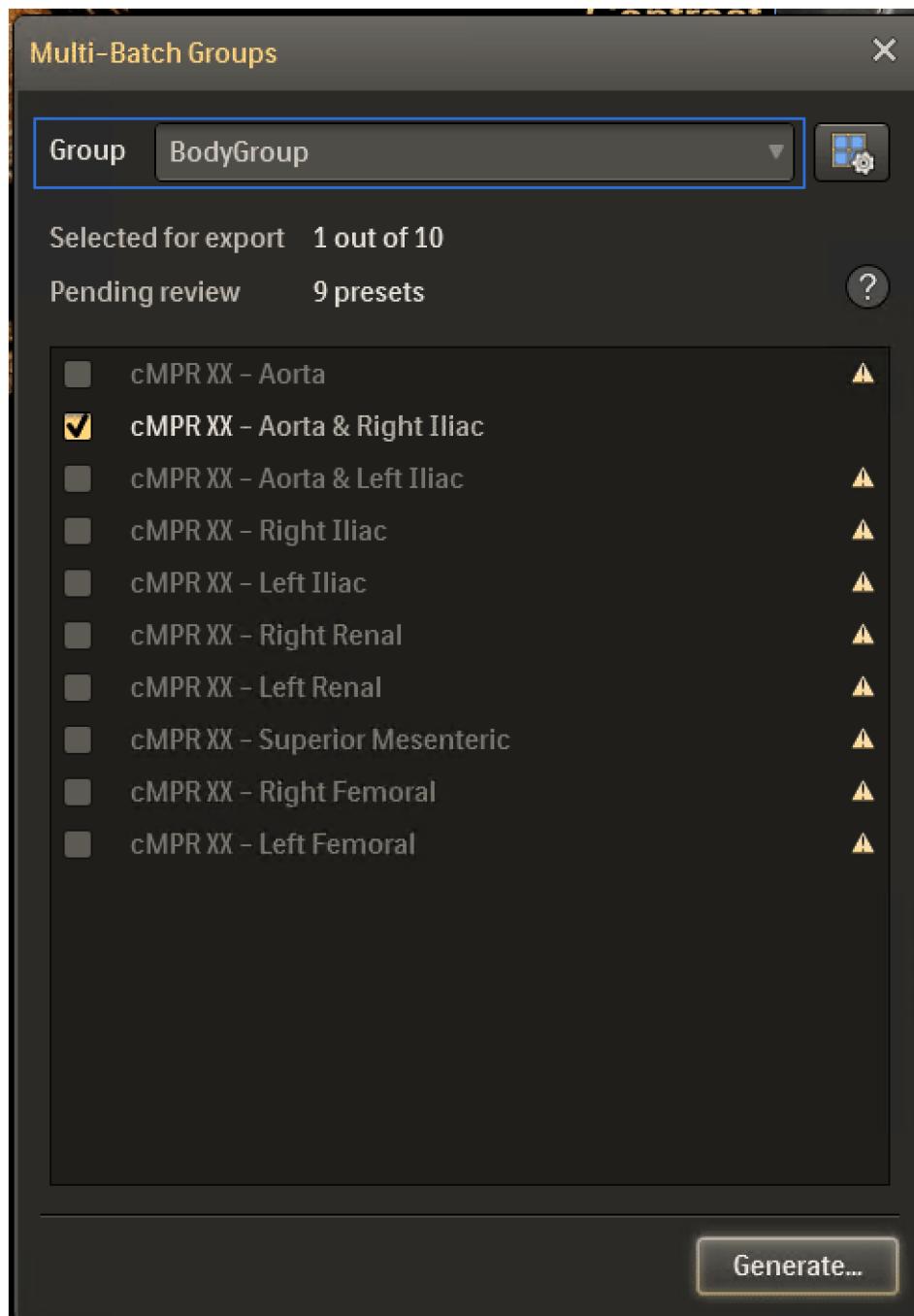
Generate...

This dialog allows group selection from the upper combo and displays the batches that will be generated by this group. Batches that are related to unapproved centerlines appear as disabled and are not included in the generated results.

1. Select one of the available batch group from the upper combo.

2. Review batches configured to be part of the export and uncheck batches that should be excluded.

   Hover over a batch to view a tooltip displaying batch parameters.

3. Click **Generate** to export.

4. Select a target location (internal or any external drive including PACs) for saving the results.

    All requested batches are activated in the background. Exiting the application and launching another study will not affect batch creation.

NOTICE

A batch of curved MPR or cross-sectional images of a specific vessel will be available for export only if the vessel was reviewed and approved for the saving. To enable a batch to be saved, select the relevant vessel in the application, review and edit if needed. Right click the vessel and select **Confirm vessel for batch**.