



## Workflow

# syngo Congenital Heart Disease Guidance

### Using pre-procedure CTA or MRI data for planning

- ◆ Load the CTA or MRI data.

### Using DynaCT data for planning

- ◆ Start 3D Wizard and select the right program (alternatively use a 5s DR Card Care program).



- ◆ Start syngo Congenital Heart Disease Guidance.

### Planning



- ◆ Perform windowing and punching operations on the volume to display the anatomy of interest.



- ◆ Measurements are possible.



- ◆ You can mark anatomical landmarks in the volume.



- ◆ Dual volume functionality for 2 different anatomical structures (e.g. air path plus vessels) from the same volume. Activate the parallel range, change if you want the slice thickness.



- ◆ Save the volume; now 2 volumes are available.



- ◆ Open Browser again, mark both volumes and open them in the 4D Tab card using drag-and-drop (it is now a Dual volume visualization). Optimize the different volumes (VOI punching, coloring, etc.).

### Display and Guidance

- ◆ Perform 2D/3D or 3D/3D registration.



- ◆ Align the VRT segment to an optimal working projection

- ◆ Move C-arm to match 3D image angulation.



- ◆ Select syngo 3D Roadmap (overlay live image to 3D image) to overlay 3D volume on fluoroscopy for guidance.

- ◆ This can be used to navigate with fluoroscopy, enabling you to position therapeutic devices to the desired locations.



- ◆ During the procedure: Mark anatomical landmarks or perform measurements, if necessary.